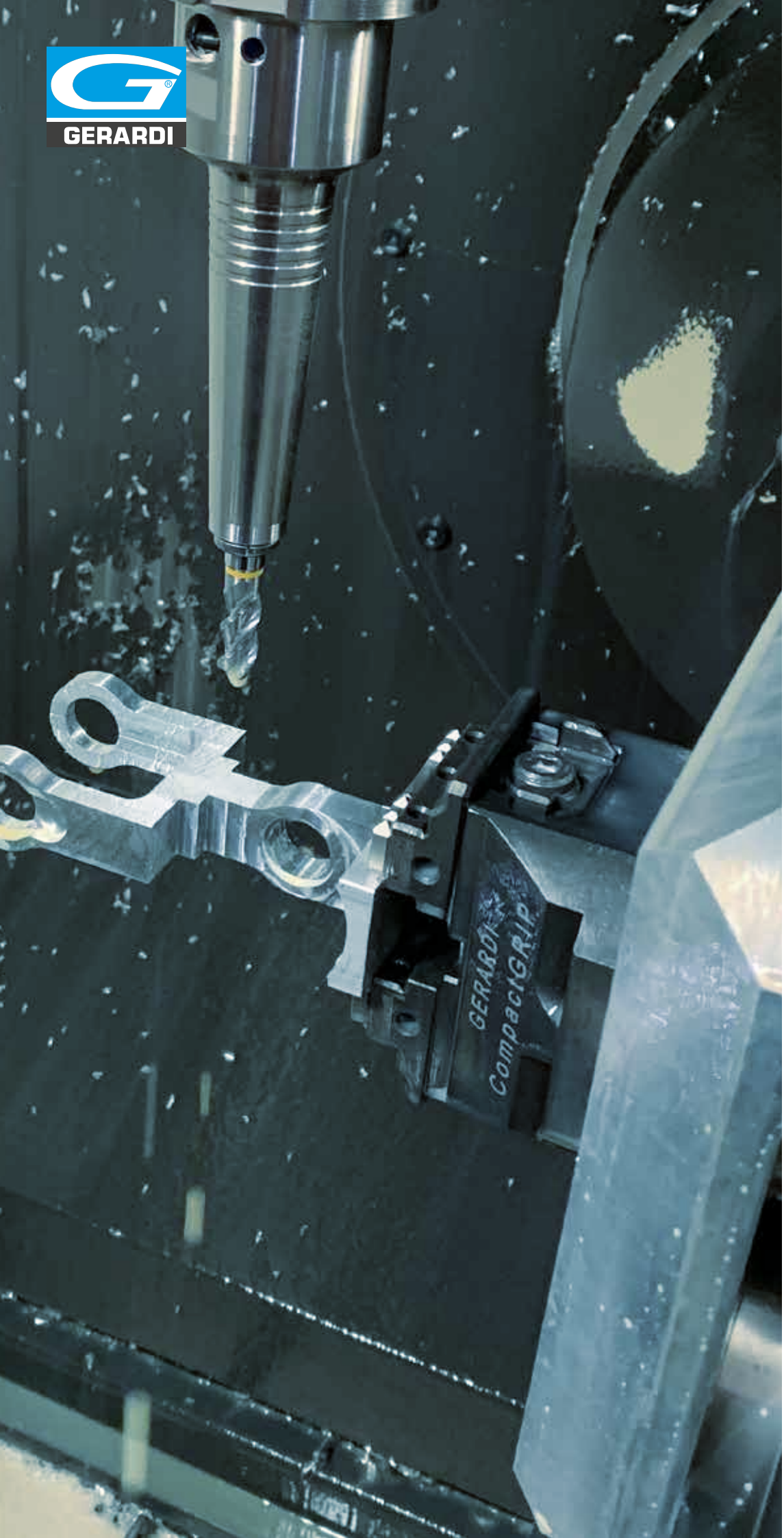


Morse ***CompactGrip*** *Vises*

Questa gamma di morse permette di intervenire su 5 facce del particolare in lavorazione con riferimenti precisi in spazi contenuti

This series of vises allow machining operations on the 5 workpieces sides with perfect alignement in a space saving design

STD / Standard FLEX

XL / XL FLEX

MODULAR ELEMENTS

ACCESSORIES & SPARE PARTS

FMS

MULTIFLEX

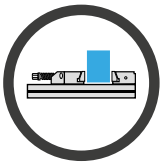
MULTITASKING

TOMBSTONES

ZERO POINT

MAGNETIC PLATES

MODULAR CLAMPING TOOLS

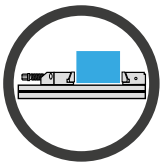


STANDARD* & *STANDARD FLEX

Morse modulari e cubi-morsa - Modular vises and vise-towers series

OK Morse ad altissima precisione - Highest precision vise series

1

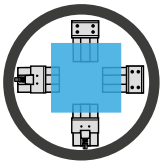


XL* & *XL FLEX

Morse modulari con basi extra lunghe

Modular vises with extra-long bases

2



ELEMENTI MODULARI - *MODULAR ELEMENTS*

Elementi Modulari serie Standard & Standardflex per una versatilità estrema!

Standard & StandardFLEX modular elements series for an extreme versatility!

3

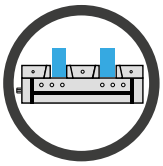


RICAMBI e ACCESSORI - *SPARE PARTS & ACCESSORIES*

Ricambi e accessori per morse Standard, StandardFLEX e XL

Spare parts and accessories for Standard, StandardFLEX and XL

4

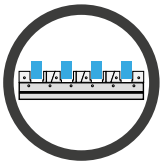


FMS

Un sistema modulare versatile per serraggi singoli, doppi ed autocentranti

A versatile modular system for single, double and self-centering clamping

5

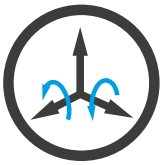


MULTIFLEX

Per serraggi multipli fino a 19 particolari di varie dimesioni

For flexible clamping of multiple workpieces of various sizes

6

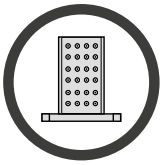


MULTITASKING / COMPACT GRIP / GRIP MATIC / DOVE TAIL

Morse autocentranti per applicazioni avanzate su centri a 5 assi

Vises for advanced applications on 5 axis machining centres

7



PORTAPEZZI MODULARI - *MODULAR TOMBSTONES*

Cubi, spalle, squadre, piastre, pallets, per centri di lavoro orizzontali

4 sides and 2 sides cubes, angles, plates, machine pallets, for horizontal machining centres

8



ZERO POINT

Il nuovo sistema di posizionamento e ancoraggio istantaneo

The new immediate positioning and clamping system

9

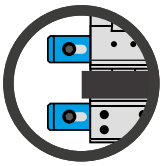


PIANI MAGNETICI - *MAGNETIC PLATES*

Un sistema elettropermanente ideale per per operazioni di fresatura

An electro-permanent system ideal for milling operations

10



ELEMENTI MODULARI DI STAFFAGGIO

MODULAR CLAMPING TOOLS

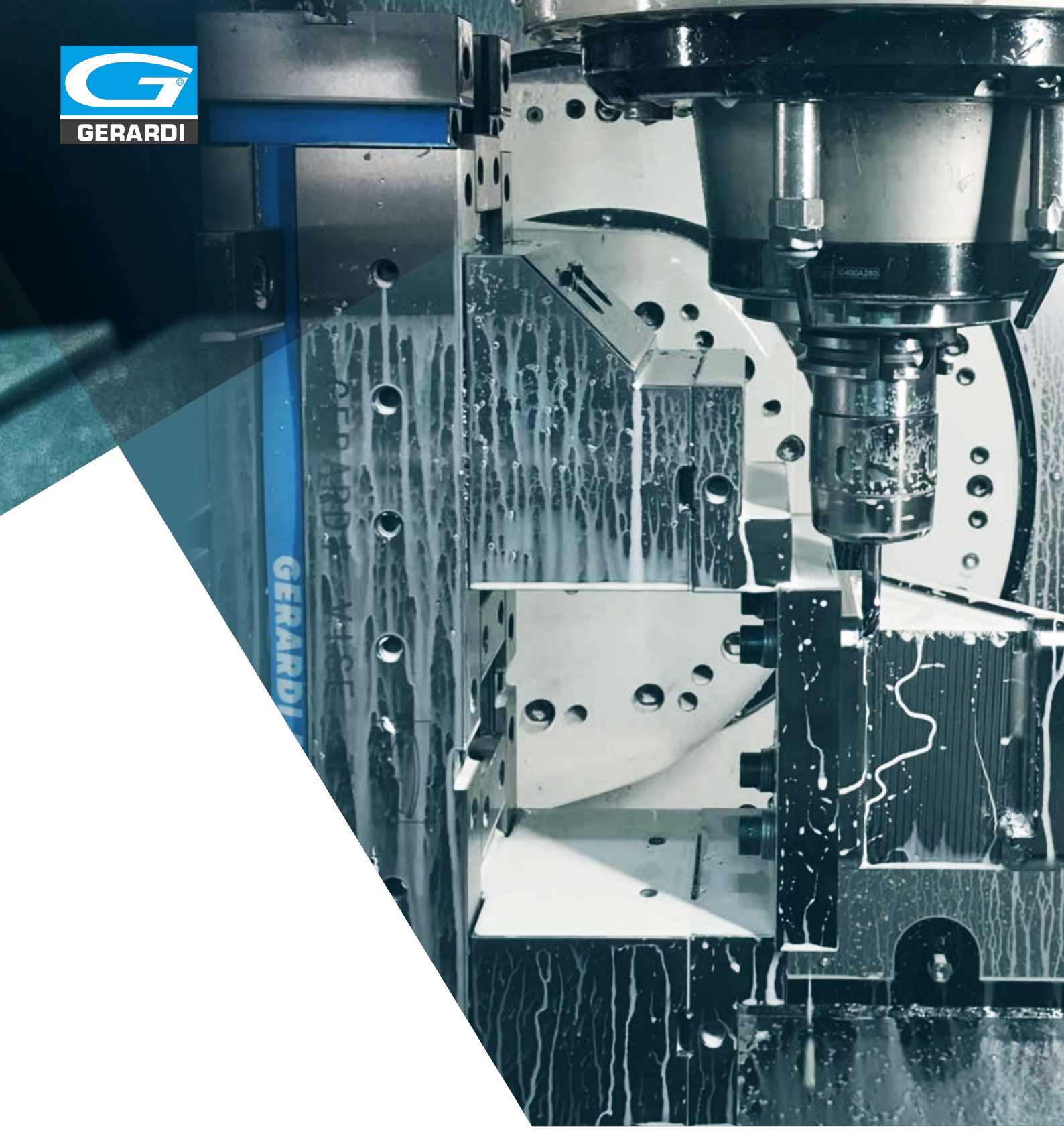
11



Morse ed attrezzature per il serraggio ed il posizionamento di particolari da lavorare

Vises and fixtures for workpieces positioning and clamping

What does workholding mean?

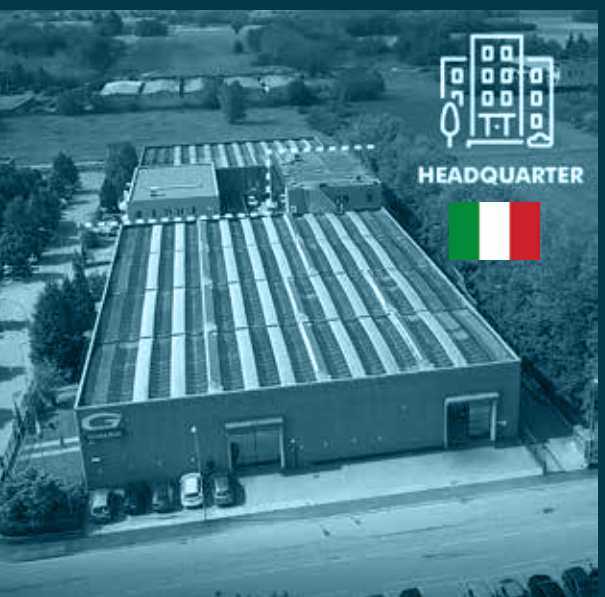


La vasta gamma di morse modulari e portapezzi che consente di rispondere ad ogni esigenza senza ricorrere allo speciale ed il rapporto qualità-prezzo dei prodotti unitamente ai 5 anni di garanzia, sono il vero punto di forza dell'azienda.
Gerardi è uno dei pochissimi costruttori in grado di realizzare qualsiasi tipo di attrezzature per presa pezzo e posizionamento chiavi in mano. I prodotti Gerardi sono sempre realizzati con i materiali più idonei e pregiati, le nostre morse sono in acciaio temprato e rettificato con durezze fino a 60Hrc e tutti i portapezzi per centri di lavoro orizzontali sono sempre in fusione monoblocco di ghisa stabilizzata a garanzia di maggior stabilità in fresatura e durata del prodotto.

Gerardi offers a widest range of precision modular vises, tombstones, zero point and magnetic plates suitable for any metalworking need unbeatable price-quality ratio of our range of products together with a 5-years warranty are our points of strenght.
Gerardi is one of the very few manufacturers able to design and manufacure any equipment for workholding and turnkey positioning and clamping. Gerardi's products are always made of the most suitable and valuable materials. Our vises are made of hardened ground steel with hardness up to 60Hrc and the range of tombstones for horizontal machining centres are always built in a one-solid cast iron block, which is a further guarantee of stability during milling operation and of unlimited lifetime.

GOLDEN
1971
50
YEARS
2021

WE DESIGN MANUFACTURE & DISTRIBUTE WORLDWIDE











DESIGNING

Progettiamo e sviluppiamo soluzioni innovative per il serraggio e la lavorazione di particolari in acciaio, ghisa ed alluminio come ad esempio morse di precisione, teste angolari e portautensili motorizzati.

We design and develop innovative solutions for clamping, workholding and machining of workpieces in steel, cast iron and aluminum such asprecision vises, angle heads and driven tools.

MANUFACTURING

I nostri macchinari, gli utensili, i sistemi CAD/CAM e un Team altamente qualificato contribuiscono alla realizzazione di componenti anche molto complessi e assicurano risultati di lavorazione eccellenti.

Machines, tools, CAD/CAM and a great Team contribute to the realization of even very complex components and ensure excellent machining results.

WORLDWIDE DISTRIBUTION

La distribuzione dei nostri prodotti è supportata da una rete di vendita molto estesa che comprende distributori e agenti provenienti da tutte le parti del mondo.

The distribution of our products are supported by an extensive network of wholesalers and agents that promote and are committed to sell all over the world.

CUSTOMER CARE

I nostri punti di forza sono la vasta disponibilità di ricambi pronti a magazzino, il nostro servizio di manutenzione e riparazione e l'assistenza tecnica telefonica gratuita pre- e post-vendita.

An extraordinary point of our strength is our huge spare parts stock, maintenance and repair service with free phone assistance of our technical Team before & after sales.

1971

1971

La Gerardi S.p.A. è stata fondata da Ivano Gerardi Sr. nel 1971 come terzista per la rettifica ed è situata vicino a Milano. Nel 1972, in seguito alla crisi petrolifera, è stata concepita e sviluppata la prima morsa modulare di precisione.

Gerardi S.p.A. Co. was established by Ivano Gerardi Sr. in 1971 as grinding subcontractor. The company is located near Milan, Italy. In 1972 due to the oil crises the first precision modular vise has been conceived and designed.



80

1980

Negli anni '80 l'azienda è cresciuta diventando la maggior produttrice di morse modulari di precisione della nazione e una delle aziende leader del mercato della Comunità Europea e la qualità dei suoi prodotti è stata riconosciuta in tutto il mondo.
Nel frattempo l'azienda ha continuato a sviluppare la sua tecnologia di rettifica con un concetto totalmente nuovo alla base del progetto. Gerardi S.p.A. ha inoltre lanciato una vasta gamma di Teste Angolari per centri di lavoro e utensili tradizionali e Portautensili Motorizzati per torni CNC. Attraverso una campagna di marketing globale, l'azienda ha portato il volume della produzione da pochi pezzi a migliaia di prodotti venduti e la sua tecnologia è conosciuta e venduta in tutto il mondo.



In the Eighties the company grew to become the largest Italian vise manufacturer and one of the leaders in the European Common Market and the quality of its products got worldwide renown. Meanwhile the company developed its own Grinding machines technology with a totally new concept at the base of the project. Moreover Gerardi S.p.A. launched a wide range of Angle Heads for traditional machine tools and machining centers and Driven Tools for C.N.C. lathes. With worldwide marketing efforts, the company has brought the production from few pieces to thousands with products and technologies known and sold all over the world.



90

1990

Nello stesso periodo l'azienda ha fondato una joint-venture in Cina per la produzione di particolari e di alcuni tipi di morse in collaborazione con l'industria aerospaziale cinese AVIC. Grazie ai consistenti investimenti la nuova azienda è oggi controllata da Gerardi e sta raggiungendo la stessa posizione di eccellenza ottenuta nel mercato europeo, sia nel mercato asiatico che in Nord e Sud America.



In the same period the company established a joint-venture in China for the manufacturing of parts and types of vises together with the Chinese aerospace industry AVIC. Thanks to major investments the new company is today controlled by Gerardi and is achieving the same excellent leadership results in Asia and North & South America as those accomplished in Europe.

00

2000

Con importanti investimenti e un impegno finanziario consistente, è stata costituita una filiale negli Stati Uniti, vicino a Chicago, e nel 2007 è stata aperta una nuova succursale a Stoccarda, in Germania, con lo scopo di servire al meglio i mercati locali.

After the set up of a US subsidiary Co. near Chicago, a new German branch has been estabilished in Stuttgard / Germany in 2007 in order to better penetrate and service the local markets. Of course this meant a huge financial effort and investments.

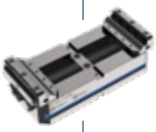


12

2012

Gerardi S.p.A. ha aperto un nuovo stabilimento produttivo per implementare la produzione di Teste angolari, Portautensili motorizzati e Portapezzi e piastre personalizzati. E' stata inoltre aperta una nuova succursale in India per la produzione di attrezzature per il mercato indiano.

Gerardi set up a new manufacturing plant to increase the Angle Heads, Driven Tools, tailor made Tombstones and plates production and a new company in INDIA for the manufacturing of fixtures for the Indian market.

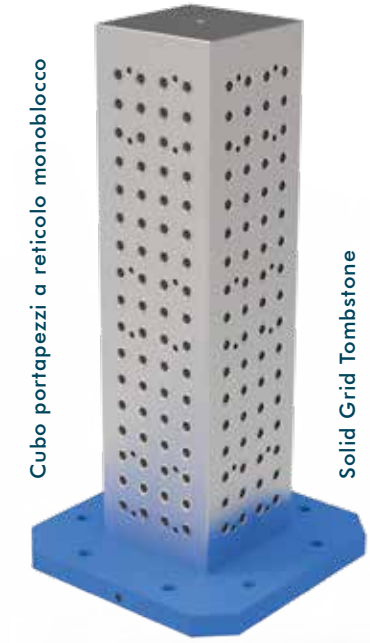


20

2020

Installazione di un nuovo impianto logisitico per incrementare l'efficienza della distribuzione e delle spedizioni.

Set Up of a new logistic plant to improve efficency in shipments and distribution.



21

2021

Lo staff della Gerardi conta oggi oltre 200 persone con un'età media inferiore ai 40 anni. Le posizioni manageriali e di rilievo sono occupate da personale che è maturato all'interno dell'azienda grazie a formazione interna ed esperienza. La percentuale di esportazioni è oggi più del 70% della nostra produzione totale ed interessa più di 60 paesi in tutto il mondo. Investiamo inoltre il 10% del fatturato in ricerca tecnologica per la progettazione e realizzazione di nuovi prodotti. Gli investimenti complessivi dell'azienda superano i 20 milioni di Euro.

The Gerardi S.p.A. Co. staff now numbers over 200 employees with an averageage of under 40. In the company all the top roles and manager positions were acquired through internal training and experience. Our total export is today more 70% of our total production in more than 60 countries around the world and we invest about 10% of our total turnover in advanced technological research for designing & manufacturing new products. The overall investments of the company exceed € 20 Million.

WHAT'S NEXT

Il mercato è oggigiorno molto esigente: la competitività è data dalla continua capacità di offrire velocemente nuovi prodotti che richiedono costantemente nuovi aggiornamenti e miglioramenti. La produzione è impegnata a seguire questa continua evoluzione offrendo prodotti di alta qualità in breve tempo e ad un prezzo competitivo.

The market is nowadays highly demanding: competitiveness is played on the continuous ability to offer new products that quickly and constantly require new updated and upgraded versions. Production is forced to follow these continuous developments by supplying high quality products in a short time and with competitive prices.

OUR GOAL

Il nostro obiettivo è di fornire soluzioni che permettano di aumentare la produttività e l'efficienza garantendo un rapporto qualità prezzo imbattibile.

Our Goal is to supply solutions able to increase workshops productivity and efficency with an unbeatable price / quality ratio



GERARDI

Main Clients

ROLLS ROYCE

LEONARDO

Ferrari

brembo

RIELLO

CERN

DANIELI

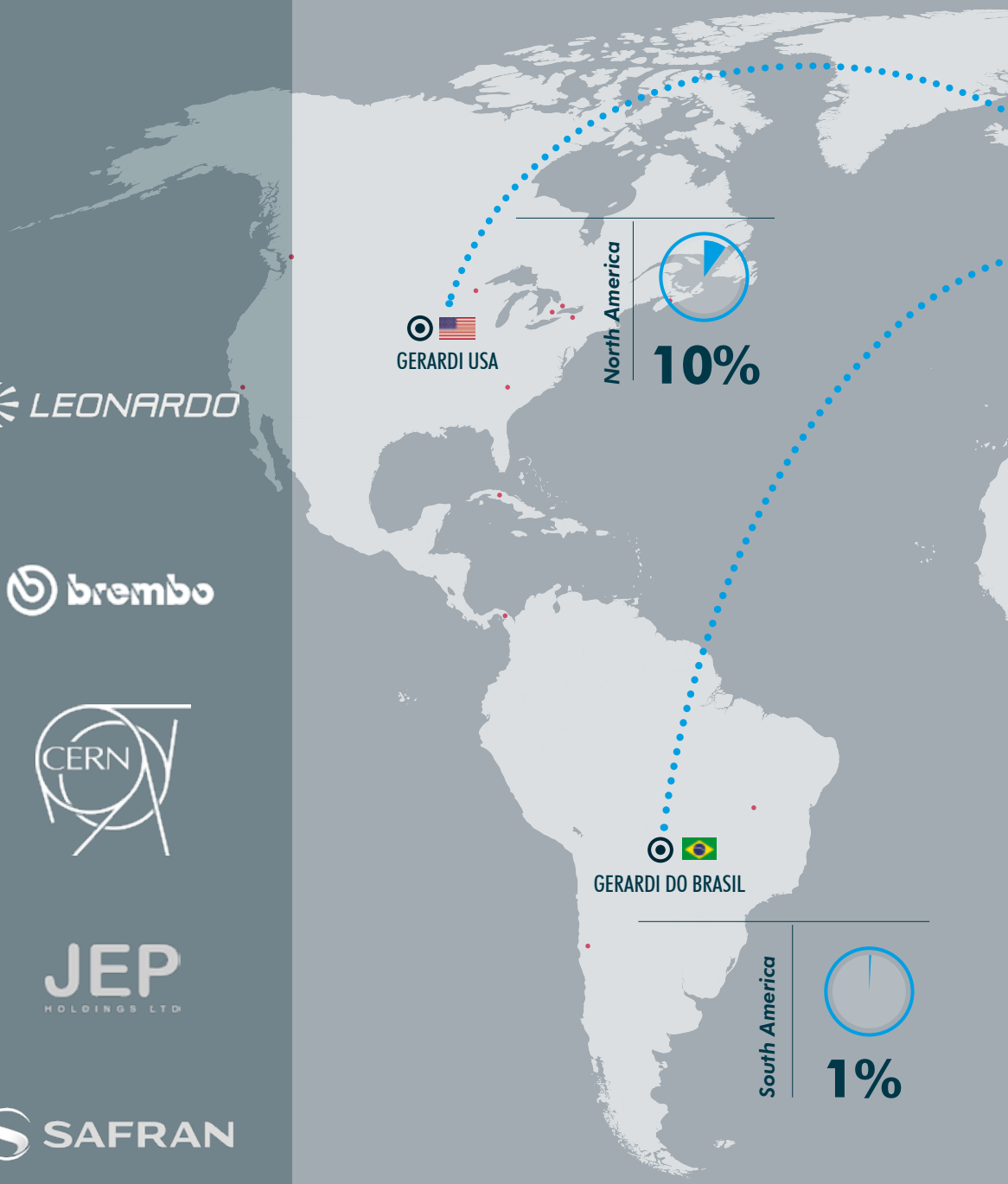
JEP HOLDINGS LTD

JABIL DEFENSE & AEROSPACE

SAFRAN

Gardner AEROSPACE

WORLD CONSTRUCTORS CHAMPIONS MERCEDES AMG HIGH PERFORMANCE POWERTRAINS



WHERE WE ARE

Headquarter

Branches

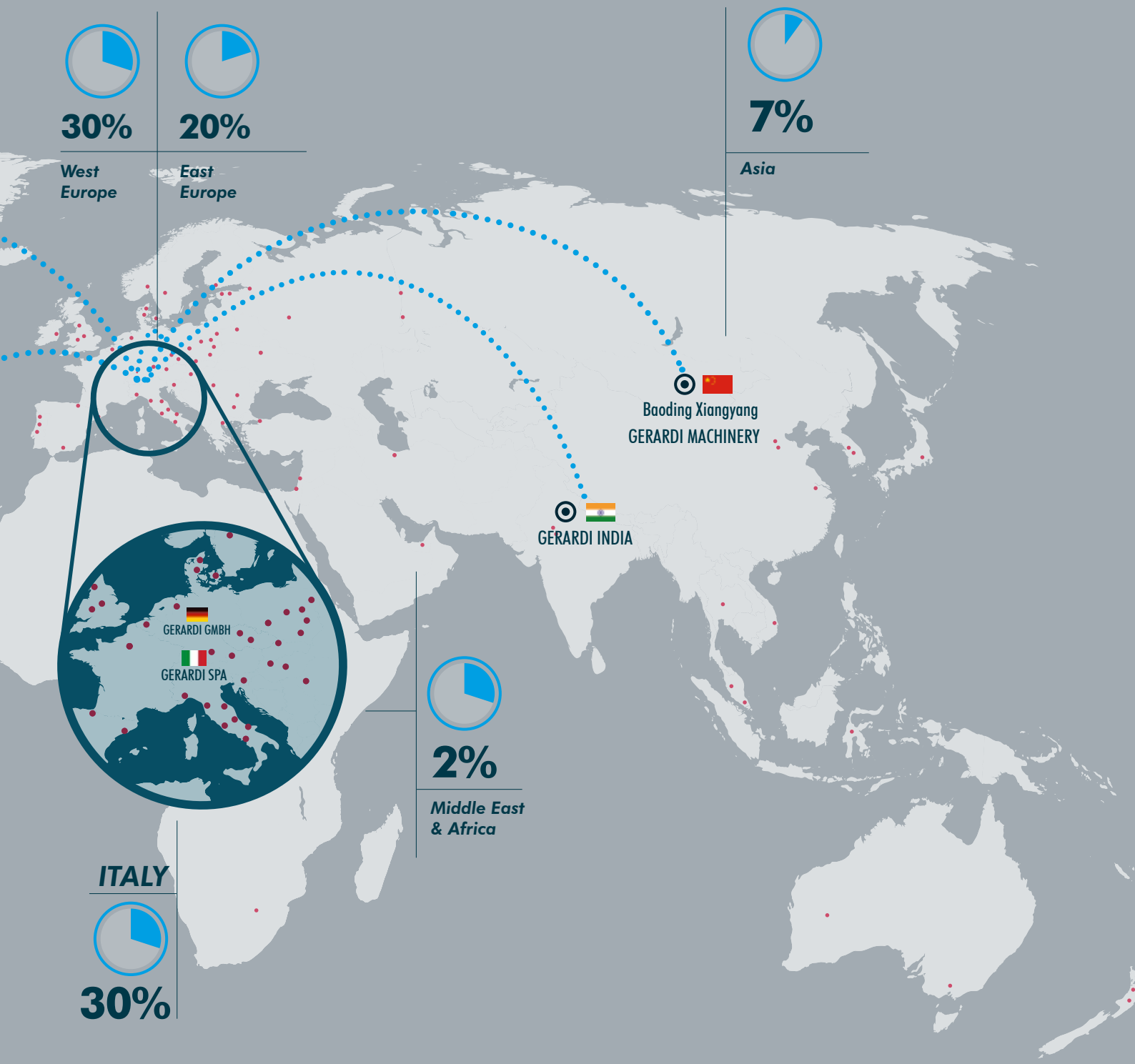
Distributors

More than 200

200 worldwide

Headquarter & 3 plants in Italy

80 employees



Designing, manufacturing and worldwide distribution of workholding & tooling equipment fixtures for machine tools.

Support and protection of our agents, reps and distributors are our value & pride!

Since the very beginning we've been developing our products distribution by building up a strong partnership with our worldwide distributors network, which is the base for continuous work and a deep market penetration.

1 plant in China
120 employees

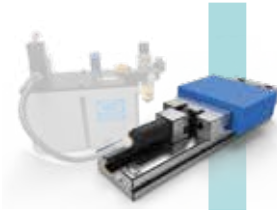
1 Commercial branch
Chicago, U.S.A

1 Commercial branch
near Stuttgart, Germany

What's next ?

1 Manufacturing plant in India

1 Commercial Branch in Brazil



Art.1E
Art.1ZE
Art.12E
Art.14E
Art.15E
Art.1AE
Art.1AZE

Morse Standard Matic
Standard Matic Vises

Pag - *Page from 1.8 to 1.23*
Pag - *Page from 2.8 to 1.30*



Art.62
Art.82

Piastre d'interfaccia
per sistema Zero Point
Zero Point interfaced plate

Pag - *Page 1.24*

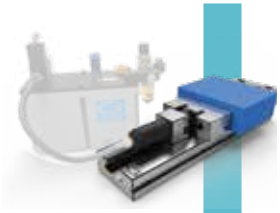
04

Accessories & Spare Parts

01-02

XL & XL FLEX vises

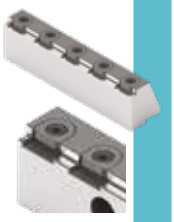
Std & StandardFLEX Vises



Art.1E
Art.1F

Morse StandardMatic
StandardMatic Vises

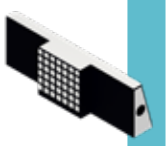
Pag - *Page from 4.40 to 4.43*



Art.242K
Art.243K
Art.248K
Art.249K
Art.246K
Art.247K

Piastre ganasce con gradino
integrale e inserti grip
Integral step jaw plates with grip inserts

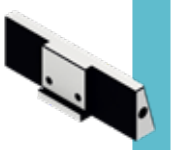
Pag - *Page 4.16 - 4.17*



Art.230SLD

Piastre ganasce a pettine
quadrettate scaricate
Discharged serrated comb jaw plates

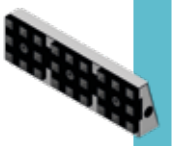
Pag - *Page 4.21*



Art.230SLE

Piastre ganasce a pettine
con gradino scaricate
Discharged step comb jaw plates

Pag - *Page 4.21*



Art.230K

Piastre ganasce a pettine
con inserti grip
Comb jaw plates with grip inserts

Pag - *Page 4.21*

Main *inside news*

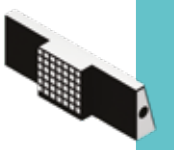
NEW 2021



Art.547K

Piastre piane con gradino integrale e inserti grip
Straight integral step jaw plates with grip inserts

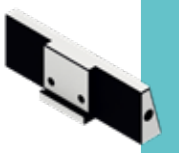
Pag - *Page 5.58*



Art.806SLD

Piastre ganasce a pettine quadrettate scaricate
Discharged serrated comb jaw plates

Pag - *Page 5.23*



Art.806SLE

Piastre ganasce a pettine con gradino scaricate
Discharged step comb jaw plates

Pag - *Page 5.23*



Art.806K

Piastre ganasce a pettine con gradino integrale e inserti grip
Integral step comb jaw plates with grip inserts

Pag - *Page 5.23*



Art.62
Art.82

Piastre d'interfaccia per sistema Zero Point
Zero Point interfaced plates

Pag - *Page 5.50*

06

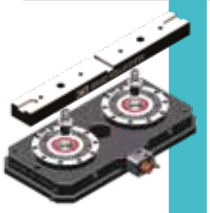
Multiflex vises



Art.723A
Art.723B
Art.723C

Ganasce per serraggio a cuneo discendente
Jaws wedge clamp

Pag - *Page 6.40*



Art.62
Art.82

Piastre d'interfaccia Zero Point
Zero Point interfaced plates

Pag - *Page 6.30*

Devi staffare la tua morsa?

Do you need to fix your vise?

OGNI CAPITOLO È PROVVISTO DI UNA PAGINA DEDICATA ALLO STAFFAGGIO IN MACCHINA DELLA MORSA

EACH CHAPTER HAS A SPECIFIC PAGE TO SHOW THE BEST WAY TO FIX YOUR VISE ON THE MACHINE TABLE

05

FMS Vises

NEW 2021



Art.650X

Ganascia intermedia
Intermediated jaw

Pag - *Page 7.21 - 7.27*



Art.650V
Art.650Y

Art.650U
- G01
- G02
- G11

Inserti per ganascia intermedia
Intermediated jaw inserts

Pag - *Page 7.27*



Art.DTF

Utensile fresa per inserti Coda di Rondine
Milling tool for Dove Tail inserts

Pag - *Page 7.29 - 7.51*



Art.297X

Tassello a gioco Zero
Zero plug play

Pag - *Page 7.29*



Art.651H

Rialzi in alluminio per morse Art.650
Aluminum risers for Art.650 vises

Pag - *Page 7.30 - 7.31*



Art.62G

Piastre d'interfaccia
Interface plates

Pag - *Page 7.31*



Art.643H

Supporti piramidali
Pyramidal supports

Pag - *Page 7.37*



Art.670CP
Art.670AP

Piastre d'interfaccia per GripMatic
Interface plates for GripMatic vises

Pag - *Page 7.46*

07 Multitasking Vises

08 Tombstones & Pallets



Pallet Kiwa
Kiwa pallet

Pag - *Page 8.41*



Art.62K

Kit Piastre d'interfaccia
tonde per tavole rotanti
Round Interfaced plates
kit for rotary table

Pag - *Page 8.27*



Art.53A1
Art.53B1
Art.53C1
Art.55A1
Art.53B1
Art.53C1

Cubi e spalle leggeri
Light cubes & two
sides tombstones

Pag - *Page 8.10 - 8.11*

NEW 2021



Art.665T

Zero Point Doppio
Double Zero Point

Pag - *Page 9.34 - 9.36*



Art.63
Art.64
Type 3

Rialzi per Zero Point
Zero Point Risers

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Art.64
Type 3

Rialzi per Zero Point
Zero Point Risers

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Art.297X

Tassello a gioco Zero per Zero Point
Zero play nut for Zero Point

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Art.ESTR01

Estrattore per spina di riferimento Zero Point
Dowel extractor for Zero Point reference pin

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09 Zero Point System

10 Magnetic Plates





Art.88ZP
Art.88ZPN

MillTecZero
Il pallet magntico modulare con Zero Point integrato
The modular magnetic pallet with Zero Point system integrated

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Devi staffare la tua morsa?

Do you need to fix your vise?

OGNI CAPITOLO È PROVVISTO DI UNA PAGINA DEDICATA ALLO STAFFAGGIO IN MACCHINA DELLA MORSA

EACH CHAPTER HAS A SPECIFIC PAGE TO SHOW THE BEST WAY TO FIX YOUR VISE ON THE MACHINE TABLE

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805V	5.35
805VA	5.35
806	5.22
806A	5.22
806B	5.23
806C	5.23
806D	5.23
806E	5.23
806F	5.23
806G	5.23
806H	5.23
806M	5.23
806K	5.23
806SLD	5.23
806SLE	5.23
807	5.22
807A	5.22
808	5.22
808A	5.22
808B	5.22
810	5.56
810A	5.56
810B	5.56
810D	5.56
810DT	5.57
810E	5.57
810J	5.57
810K	5.57
810L	5.57
810M	5.57
810O	5.57
810P	5.57
810Q	5.31
810QA	5.31
810R	5.57
810T	5.57
810U	5.31
810UA	5.31
810UZ	5.31
810V	5.57
810W	5.27
810WA	5.27
810X	5.27
810XA	5.27
810Y	5.27
810YA	5.27
810Z	5.27
812	5.31
812A	5.31
812B	5.31
812C	5.31
813	5.31
813A	5.31
813C	5.31

Art.	Page
813A	5.31
813C	5.31
814	5.56
815	5.31
815A	5.31
815C	5.31
818	5.52
821	5.53
822	5.53
823	5.59
823B	5.59
825	5.59
825A	5.61
825B	5.59
825C	5.59
827A	5.60
828A	1.30 - 5.60
829A	5.52
830	5.52
831	5.59
832	5.59
833	5.59
834	5.59
835	5.60
836	5.60
837	5.60
838	5.60
840	8.20 - 8.22
841	8.20 - 8.22
842	8.20 - 8.23
842A	8.23
843	8.20 - 8.21 - 8.23
844	8.24
844A	8.24
845	8.24
846	8.24
850B	5.61
850C	5.61
850E	5.61
850H	5.61
850P	5.72
850T	5.61
852	5.60
853	5.60
855	5.12
855C	5.44 - 5.45 - 5.48
855D	5.12
855E	5.12
860	5.14
860C	5.44 - 5.45
860D	5.14
860E	5.14
860F	5.14
863	5.16
863C	5.46
863D	5.16
863E	5.16
863F	5.16
864	5.18
865	5.20

Art.	Page
865D	5.20
865E	5.20
865F	5.20
866	5.24
866D	5.24
866E	5.24
866F	5.24
867	5.28
867D	5.28
867E	5.28
867F	5.28
868	5.32 - 7.40 - 7.41
868D	5.32 - 7.40 - 7.41
868E	5.32 - 7.40 - 7.41
868F	5.32 - 7.40 - 7.41
870	5.36
870A	5.54
870C	5.46
870D	5.36
870E	5.36
870F	5.36
882A	5.38
890	5.62-5.65
890K/1	5.62
890K/2	5.63
890K/3	5.63
890K/4	5.64
891	5.62
892	5.62
900	5.40
900Y	5.40
950	7.22 - 7.23
950B	7.22 - 7.23 - 7.28
950C	7.22 - 7.23 - 7.28
950D	7.22 - 7.23 - 7.28
950X	7.28
981	1.3 - 4.3
982	9.3
983	5.3
984	6.3
985	1.3 - 4.3
986	7.3
DIVIGER	1.36
DPG250	1.40
ESTR01	9.45
G410	11.15
G411	11.16
ID03	4.53
ID04	4.53
ID05	4.53
ML10	11.9
S110	11.4
S115	11.12
S120	11.4
S121	11.4
S122	11.4
S125	11.5
S130	11.5
S131	11.5
S151	11.9

Art.	Page
S152	11.9
S210	11.6
S211	11.6
S215	11.12
S220	11.6
S225	11.12
S230	11.6
S231	11.6
S240	11.7
S250	11.7
S260	11.7
S270	11.8
S280	11.8
S281	11.8
S310	11.13
S320	11.13
S321	11.13
S325	11.12
S340	11.14
S350	11.14
S370	11.14
S380	11.14
S410	11.10 - 11
S440	11.10 - 11
PN01	9.44
PN02	9.44
PN03	9.44
PN04	9.44
PN05	9.44
PN06	9.44
PN07	9.44
PN08	9.44
PN09	9.44
PN10	9.44
PN11	9.44
PN13	9.44
PN14	9.44
PN15	9.44
PN16	7.48
PN18	9.45
PN20	9.45
PN21	9.45
PRF 70/45	10.19
PRF 70/75	10.19
RPM 70/45	10.19
XT 200F	10.18

VALIGETTE DI CAMPIONATURA - SAMPLE KIT CASE

STANDARD

NEW!

Art.1 T.1
(1 pezzo - 1 piece)



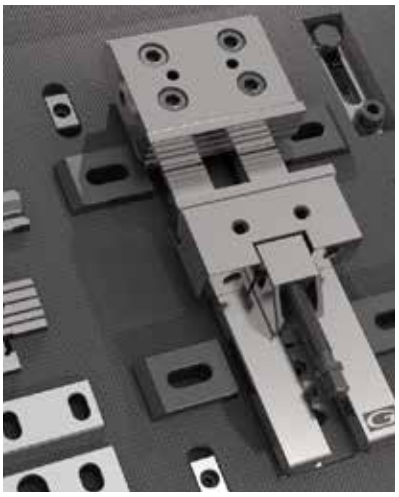
Art. 981

Valigetta di campionatura morsa Art.1 T.1
Sample kit case Art.1 T.1 vise

Cod.	0.98.10000
PRICE LIST €	
SPECIAL PRICE €	

All'Interno - Inside:

Art.132	Art.313	Art.298
Art.133	Art.314	Art.370
Art.138	Art.271	Art.375
Art.147	Art.283	Art.376
Art.212	Art.285	- -
Art.217	Art.297	- -



STANDARDFLEX

NEW!

Art.1A T.1
(1 pezzo - 1 piece)



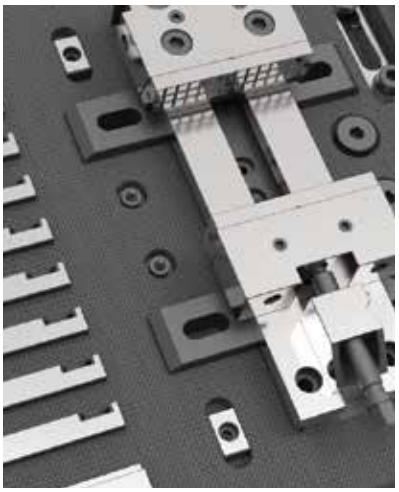
Art. 985

Valigetta di campionatura morsa Art.1A T.1
Sample kit case Art.1A T.1 vise

Cod.	0.98.5000
PRICE LIST €	
SPECIAL PRICE €	

All'Interno - Inside:

Art.138	Art.230F	Art.271
Art.212	Art.230G	Art.297
Art.230B	Art.230H	Art.298
Art.230C	Art.230M	Art.370
Art.230D	Art.313	Art.375
Art.230E	Art.314	Art.376



FMS

NEW!

Art.860 T.1x300
(1 pezzo - 1 piece)



Art. 983

Valigetta di campionatura morsa Art.860 T.1x300
Sample kit case Art.860 T.1x300 vise

Cod.	0.98.30000
PRICE LIST €	
SPECIAL PRICE €	

All'Interno - Inside:

Art.810L	Art. 806B	Art.297 16/18
Art. 807	Art. 806C	Art.850H
Art. 810X	Art.806D	Art.370 T1 Std
Art. 814	Art.806E	Art.375 CH12
Art. 810J	Art.806F	- -
Art. 814	Art.298	- -



VALIGETTE DI CAMPIONATURA - SAMPLE KIT CASE

MULTIFLEX

NEW!



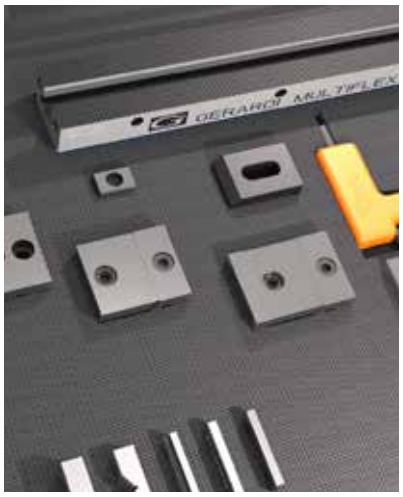
Art. 984

Valigetta di campionatura morsa Art.600 T.1x400
Sample kit case Art.600 T.1x400 vise

Cod.	0.98.40000
PRICE LIST €	
SPECIAL PRICE €	

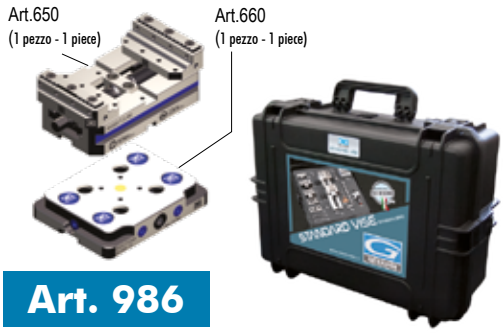
All'Interno - Inside:

Art.604	Art.610B	Art.297
Art.605	Art.610C	Art.298
Art.609	Art.610D	Art.370
Art.613	Art.610E	Art.375
Art.615	Art.610F	Art.376
Art.605L	Art.610T	-



COMPACT GRIP

NEW!



Art. 986

Valigetta di campionatura morsa Art.650 - Art.660 T.2x160
Sample kit case Art.650 - Art.660 T.2x160 vise

Cod.	0.98.60000
PRICE LIST €	
SPECIAL PRICE €	

All'Interno - Inside:

Art.11A	Art. 650G G11	Art.297
Art.650X	Art. 650G G02	Art. 370/EM
Art.950D	Art. 650G G01	Art.375
Art.950B	Art. 650R	Art.376 CH3/CH6
Art.660B	Art. 650S	Art.650G
Art.79	Art. 298/CGR	Art.650GZ



ZERO POINT & MULTITASKING

NEW!



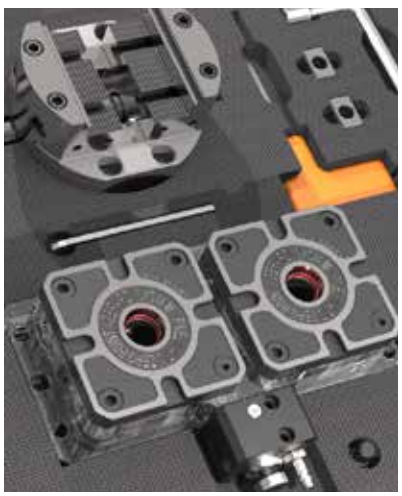
Art. 982

Valigetta di campionatura morsa Art.640 - Art.665 - Art.81P
Sample kit case Art.640- Art.665 - Art.81P

Cod.	0.98.20000
PRICE LIST €	
SPECIAL PRICE €	

All'Interno - Inside:

Art.10A Art.11A	Art.645T	Art.655J
Art.645B	Art.640P	Art.370
Art.645C	Art.655B	Art.375
Art.645D	Art.655C	Art.376
Art.645E	Art.655D	Art.377
Art.645F	Art.655F	Art.297 Art.298



GERARDI DISPLAYS

NEW!

SCEGLI E CONFIGURA IL TUO DISPLAY GERARDI
CHOOSE AND SET YOUR GERARDI DISPLAY

METALEX DISPLAY

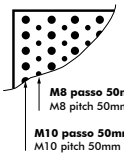
Art. 75M

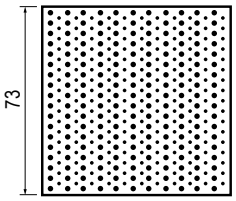
Espositore in metallo
Metal made display

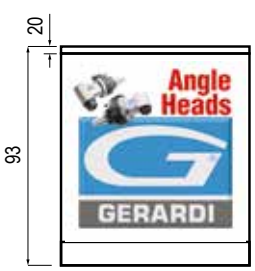
Cod. 0.ESP.75M0

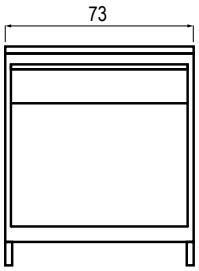
€

Piastra di Alluminio
Alluminum Plate









IDEALE PER PER FIERE
IDEAL FOR EXHIBITIONS

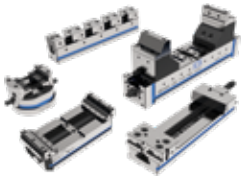


- **Piastra a reticolo in alluminio**
- **3/4 cassetti su richiesta**
- **Adesivi personalizzabili su richiesta**

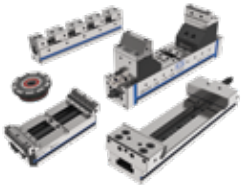
- Grid aluminum plate
- 3/4 drawers on request
- Customizable stickers on request

Cyano
Cyan

CONFIGURAZIONI DISPONIBILI - AVAILABLE SETTINGS
Configurazioni variabili - Changeable settings



1 Stdflex
1 Fms
1 Multiflex
1 Compact
1 Multitasking



1 Std
1 Fms
1 Multiflex
1 CompactGrip
1 Zero Point



1 Std / StandardFLEX
1 CompactGrip
2 Angle Heads
2 Driven tools

WOODEN STD DISPLAY

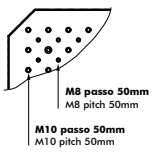
Art. 75W

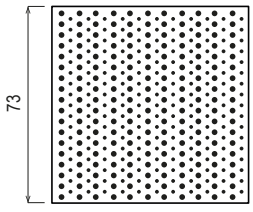
Espositore in melaminico 73x73
Melaminic display 73x73

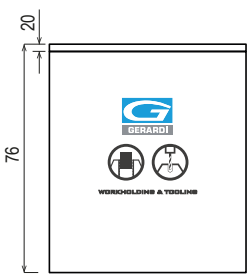
Cod. 0.ESP.75W0

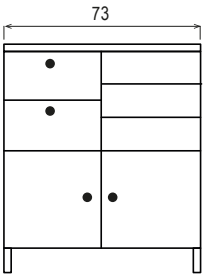
€

Piastra di Alluminio
Alluminum Plate









IDEALE PER SHOWROOM
IDEAL FOR SHOWROOM

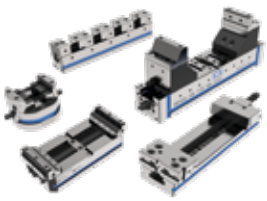


- **Piastra a reticolo in alluminio**
- **2 cassetti + 2 vani + 3 ripiani**
- **Adesivi personalizzabili su richiesta**
- Luce LED personalizzabile

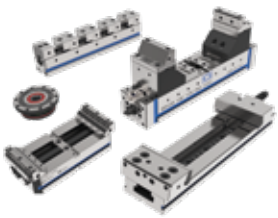
- Grid aluminum plate
- 2 drawers + 2 compartments + 3 shelves
- Customizable stickers on request
- Customizable LED light

Grigio Chiaro
Light Grey

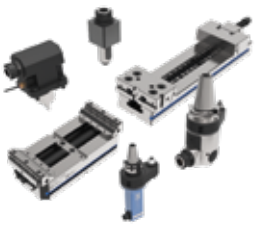
CONFIGURAZIONI DISPONIBILI - AVAILABLE SETTINGS
Configurazioni variabili - Changeable settings



1 Stdflex
1 Fms
1 Multiflex
1 CompactGrip
1 Multitasking



1 Std
1 Fms
1 Multiflex
1 CompactGrip
1 Zero Point



1 Std / StandardFLEX
1 CompactGrip
1 Angle Head
2 Driven tools

GERARDI DISPLAYS

NEW!

SCEGLI E CONFIGURA IL TUO DISPLAY GERARDI
CHOOSE AND SET YOUR GERARDI DISPLAY

WOODEN PLUS DISPLAY

Art. 90W

Espositore in melaminico 90x90
Melaminic display 90x90

Cod. 0.ESP.90W0

€

IDEALE PER GRANDI SHOWROOM
IDEAL FOR BIG SHOWROOM

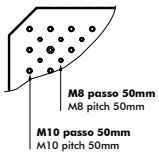


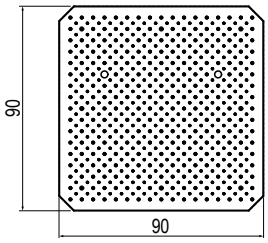
- **Piastra a reticolo in alluminio**
- **3/4 cassetti su richiesta**
- **Adesivi personalizzabili su richiesta**
- Luce LED personalizzabile

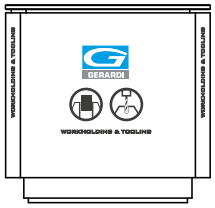
- Grid aluminum plate
- 3/4 drawers
- Customizable stickers on request
- Customizable LED light

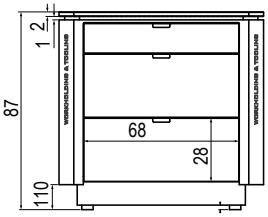
Grigio Chiaro
Light Grey

Piastra di Alluminio
Alluminum Plate







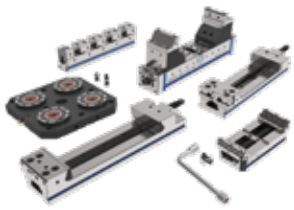


CONFIGURAZIONI DISPONIBILI - AVAILABLE SETTINGS

Configurazioni variabili - Changeable settings



1 Stdflex
1 Fms
1 Multiflex
1 Compact
1 Multitasking



1 Std
1 Fms
1 Multiflex
1 CompactGrip
1 Zero Point



1 Std / StandardFLEX
1 CompactGrip
2 Angle Heads
2 Driven tools

WOODEN STEP DISPLAY

Art. 90WT

Espositore 4 livelli in melaminico 90x90
Melaminic display 90x90 with 4 steps

Cod. 0.ESP.90WT0

€

IDEALE PER GRANDI SHOWROOM
IDEAL FOR BIG SHOWROOM

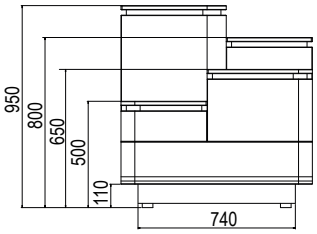
NEW 2021

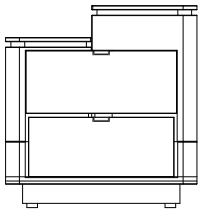


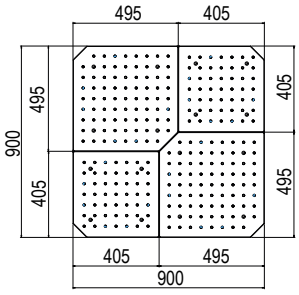
- **Struttura rinforzata**
- **Piastre a reticolo in alluminio**
- **3 cassetti**
- **Adesivi personalizzabili su richiesta**
- Luce LED personalizzabile

- Reinforced display
- Grid aluminum plates
- 3 drawers
- Customizable stickers on request
- Customizable LED light

Grigio Chiaro
Light grey

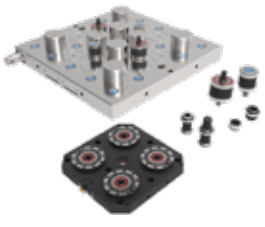






CONFIGURAZIONI DISPONIBILI - AVAILABLE SETTINGS

Configurazioni variabili - Changeable settings



1 MillTecZero
1 Zero Point plate
1 CompactGrip vise



1 Std
1 Fms
1 Multiflex
1 CompactGrip
1 Zero Point



1 Grid Cube
2 Angle Head
2 Driven tools
4 Vises

CERTIFICATO

DI GARANZIA

GERARDI

CERTIFICATO DI GARANZIA GERARDI GARANTISCE I MATERIALI DELLA MIGLIOR QUALITà

La **GERARDI SPA** garantisce, per un periodo di **5 ANNI**, la buona qualità dei materiali impiegati e la perfetta costruzione su tutta la gamma di morse modulari e cubi portapezzi ad azionamento manuale.
Per quanto riguarda i sistemi pneumatici, idraulici e magnetici e teste angolari la garanzia si estende per **12 MESI** mentre per portautensili motorizzati a rotazione meccanica la garanzia si estende per **24 MESI**.
Per effetto di questa garanzia, la **GERARDI SPA** si impegna a provvedere alla riparazione o sostituzione di quelle parti che risultassero difettose per impiego di cattivo materiale o per vizio di costruzione, purchè dette parti vengano consegnate in ogni caso in porto franco al suo stabilimento. La garanzia non si estende a guasti o rotture derivati da imperizia, trascuratezza o cattivo uso del prodotto da parte dell'acquirente e cessa qualora i pagamenti non vengano effettuati dal compratore alle scadenze convenute o quando il prodotto venga modificato o riparato dall'utilizzatore. Tutti i prodotti Gerardi sono marchiati e riconoscibili a vista.
Su prodotti di dubbia provenienza e non marchiati non sarà riconosciuta nessuna garanzia.

The PREMIUM CHOICE

5 YEARS GUARANTEED

FIRMA

FIRMA

CERTIFICATE

OF GUARANTEE

GERARDI

GERARDI GUARANTEE CERTIFICATE OF THE BEST QUALITY OF MATERIAL EMPLOYED

GERARDI SPA guarantees for a period of **5 YEARS** the good quality of materials employed and the perfect construction of the complete range of modular vises and tombstones with manual control.
As far as pneumatic, hydraulic and magnetic items and angular heads the warranty extends for **12 MONTHS** while for driven tools with mechanical running the warranty extends for **24 MONTHS**.
For this warranty **GERARDI SPA** commits herself to repair or substitute any part which shall result defected by workmanship or for the use of bad quality material only on condition that such parts shall be delivered free port to our factory. This warranty does not extend to breakages arising from unskilfulness or carelessness and negligent use of the items from the buyer side and terminate in case the payments are not made as agreed and when the item shall be modified or repaired by the user. Each Gerardi item has been branded and it is easy recognizable at first sight.
On items of uncertain origin and not marked no warranty will be allowed.

The PREMIUM CHOICE

5 YEARS GUARANTEED

SIGNATURE

SIGNATURE

ATTENZIONE - ATTENTION

Le caratteristiche tecniche indicate in questo catalogo non sono impegnative e possono essere modificate senza preavviso

The technical data contained herein are given for information only and are subject to change without notice

CONDIZIONI GENERALI DI VENDITA

1- ORDINAZIONI:
L'importo minimo delle ordinazioni è fissato in Euro 150,00 netto (IVA esclusa). Solo su specifica richiesta del cliente importi inferiori saranno evasi con un addebito fisso di 10,00 euro per spese di gestione.

2- PREZZI:
I prezzi indicati nel seguente listino sono espressi in Euro (IVA esclusa) e sono suscettibili di modifiche senza preavviso.Consigliamo pertanto di indicare sempre nei Vostri ordini il riferimento del listino in Vostre mani (N° / Anno). I listini aggiornati in tempo reale sono disponibili on line www.gerardi.it come anche eventuali Errata Corrige.
Il Costruttore declina inoltre ogni responsabilità per eventuali errori di stampa contenuti in questa pubblicazione

3- PAGAMENTO:
I pagamenti devono essere effettuati nei termini e alle condizioni concordate. In caso di ritardato pagamento, verranno addebitate le spese e gli interessi di mora al tasso bancario corrente maggiorato di due punti.

4- MODIFICHE:
Modifiche di ogni tipo o errori di stampa dei nostri cataloghi o listini non danno diritto a reclami.Le rappresentazioni grafiche non sono impegnative.

5- RESA:
I prezzi si intendono per merce resa franco ns. magazzino in Lonate Pozzolo (VA).

6- IMBALLO:
L'imballo verrà addebitato al costo in caso fosse necessario.

7- TRASPORTO:
La merce viaggia sempre a rischio e pericolo del committente.

8- TERMINI DI CONSEGNA:
La maggior parte degli ordini viene evaso entro le 48 ore successive al ricevimento degli stessi (Il nostro personale addetto avviserà per la conferma del ritiro).I termini di consegna per gli articoli non disponibili in stock sono puramente indicativi e pertanto non vincolanti. Non assumiamo responsabilità alcuna per eventuali ritardi di consegna causati da motivi di forza maggiore.

9- VALIDITA' OFFERTE:
Le offerte sono valide trenta giorni dalla data della loro emissione.

10- RECLAMI:
Ogni particolare ed ogni spedizione è accuratamente controllata, eventuali reclami dovranno pervenire in forma scritta, entro otto giorni dal ricevimento del materiale.

11- GARANZIE:
La precisione, la qualità e le caratteristiche tecniche dei nostri prodotti sono garantite e gli articoli che saranno riconosciuti difettosi, verranno sostituiti gratuitamente, senza che ciò possa
dar luogo ad alcun addebito a nostro carico per spese o danni in genere.
Sono esclusi dalla nostra garanzia i pezzi manomessi, modificati, danneggiati per normale logorio, o per uso scorretto.

12- RESI:
Al fine di regolamentare le richieste di RESO PER ERRATA ORDINAZIONE da parte della Clientela, siamo costretti a precisare alcune regole, alle quali preghiamo scrupolosamente di volerVi attenere:
A) Le richieste di reso dovranno pervenire entro 8 giorni dalla data di ricezione della merce.

B) Le richieste, necessariamente scritte, devono attendere la risposta della Gerardi S.p.A. che si riserva la facoltà di accettarle.
C) Nella bolla di reso devono essere riportati gli estremi della fattura o bolla di consegna.
D) Il materiale viaggerà a spese del cliente.
E) Le confezioni dovranno essere integre ed originali.
F) nell'eseguire la nota di accredito verranno trattenuti 15,00 Euro ogni 150,00 Euro del valore del reso stesso per spese di
ricollaudo e nuovo stoccaggio.

13-GIURISDIZIONE:
Il foro competente in via esclusiva per la risoluzione di qualsivoglia controversia in relazione alla interpretazione e/o esecuzione delle presenti condizioni di vendita sarà quello di Busto Arsizio (VA).

12-PENALI
In caso di recesso da parte del cliente, l'acconto versato per l'ordine o per la fornitura di merce verrà trattenuto come penale.

GENERAL SALES CONDITIONS

1- PURCHASE ORDERS:
The minimum order value is Euro 150,00 net. Customers may request a lower minimum order amount on specific items that will be delivered with a fixed charge of 20,00 euro
to cover administration expenses.

2- PRICES:
Prices shown on Gerardi Price lists are in Euro and are subject to change without prior notice. When submitting Purchase Orders, please show the Price List reference (Number and Year). Up-dated Price lists are available on-line at **www.gerardispa.com** The Manufacturer declines all responsibility for any pricing errors contained in these publications.

3- PAYMENT and TERMS:
Standard Payment Terms are strictly Net 30 Days. Should alternative Payment Terms be agreed outside of our Standard Payment Terms, must be agreed in advance of order placement. In case of payment delays, expenses and interest will be charged.

4- CHANGES:
Gerardi S.p.A should be notified immediately if any changes or mistakes are identified within our catalogues or our Price Lists. These changes or mistakes should be notified immediately, but will not entitle a customer to the right to submit claims or complaints. Graphic representations in our catalogues and any marketing materials provide
an indicative representation of the products and are not contractually binding. Should a customer require additional information, this should be requested from Gerardi S.p.A

5- FREIGHT AND DUTY:
The Prices quoted in our catalogues and Price lists are Ex-Works, Lonate, Pozzolo, Italy. Freight and Duty will be charged at the applicable rates valid at the time of delivery.

6- PACKING:
Were necessary, any special packaging will be charged at cost

7- LIABILITY:
Goods supplied will be the responsibility of the buyer during transportation

8- DELIVERY:
A) Standard Products:
All incoming Purchase Orders will be acknowledged within 24 hours of receipt. Delivery dates will be confirmed and wherever possible, goods will be shipped within the following working day.
For goods not available from stock, our employees will provide delivery information based on that available from within the Gerardi system. We do not accept any responsibility for delays in delivery due to circumstances that are beyond our control. Partial shipments for Purchase Orders with multiple units can be made. Cancellation of Purchase Orders cannot be made without agreement with Gerardi Spa, requests to cancel a Purchase Order must be made in writing and agreed and approved by Gerardi Spa.

B) Non-Standard or Special Products:
All incoming Purchase Orders for Non-Standard or Special Products will be acknowledged within 48 hours of receipt and delivery dates will be confirmed as soon as practically possible.
Cancellation of Purchase Orders cannot be made without agreement with Gerardi Spa, requests to cancel a Purchase Order for Non-Standard Products must be made in writing and agreed and approved by Gerardi Spa. Any costs incurred at the time of cancellation will be to the customers account.

9- OFFER VALIDITY:
Any complaint regarding shipment of goods from Gerardi S.p.A, must be made in writing within 8 days of receipt of the said goods.

10- COMPLAINT:
Any item and component and each shipment is checked carefully and any possibile
complaints must be written, within 8 days from goods receiving.

11- GUARANTEES:
All Gerardi spa products carry a 1 Year guarantee. This guarantee covers the performance, accuracy, quality and technical features stated in our catalog. Non-conforming products will be exchanged without charge or expense for any failure caused by defective work or components, supplied or carried out by Gerardi Spa. Any items or components that have been modified, damaged or suffered fair wear and tear, are excluded from this guarantee.

12- RETURNS POLICY:
The following procedure must be followed when returning goods, regardless of the reason for the return.
A). gerardi spa must receive written notification regarding any goods that are being returned, this notification must be received within 8 days of receipt of the goods. this notification must be sent in writing to gerardi spa.
B). goods should not be returned until gerardi spa has authorized the return and provided a delivery address to which the goods should be sent.
C). when returning goods, details of the invoice and any other relevant information must accompany the goods.
D). goods being returned must be returned free of charge.
E). goods should be returned in the original packaging and be without damage or wear.
F). a total of 10% of the invoiced value of the goods will be deducted from any credit note which gerardi issues, this charge is to cover administration and re-stocking charges only.

13-JURISDICTION:
Purchasers agree to submit any claim or discussion related to these Standard Conditions of Sale to the relevant and competent Law Courts that will be in Busto Arsizio (VA) Italy whose decision will be final.

12-PENALTIES
In the event of customer's withdrawal, the down payment for the order or supply of goods will be held as penalty.

www.estore.gerardispa.com

PIÙ SEMPLICE / PIÙ INFO / PIÙ PRODOTTI - EASIER / MORE INFO / MORE PRODUCTS

TROVA IL TUO PRODOTTO IN POCHI CLICK - FIND YOUR PRODUCT IN FEW CLICKS

by category | by code | by description | by configurator

Un nuovo modo facile e veloce per ordinare la tua attrezzatura Gerardi

Il nuovo Gerardi estore offre la possibilità di visualizzare e ordinare qualsiasi articolo Gerardi appartenente alle categorie Workholding o Tooling presente sui nostri listini in modo semplice, veloce e completo. Da ora puoi ordinare la morsa, la testa angolare o il motorizzato che ti interessa direttamente on-line dal nostro estore senza costi aggiuntivi.

A new quick and easy way to order your equipment branded Gerardi.

The new Gerardi estore offers the ability to view and order any item available on our Workholding and Tooling catalogues with the easyest, fastest and comprehensive way.
You can now order the vise, angle head or driven tool of your interest directly online from our store without any additional cost.



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ANDROID / IPHONE

www.virtualtour.gerardispa.com

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virtual reality

many contents

24h accessible

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Immergiti completamente nel mondo Gerardi e scopri tutti i prodotti Workholding e Tooling presenti nel nostro showroom attraverso il nuovo tour virtuale 360°. Visualizza i molteplici contenuti multimediali e resta sempre aggiornato!

Visit our showroom anytime you want !

Immerse yourself in the Gerardi world and discover all the Workholding and Tooling products displayed in our showroom through our 360° virtual tour. Find out all the multimedia contents and stay up to date!



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Scan the QR Code to watch the Gerardi corporate video!

Gerardi corporate video

Your updates start now!

Scansiona il QR code ed iscriviti alla nostra newsletter per restare sempre aggiornato!

Scan the QR code and subscribe to our newsletter and stay updated!

ISCRIVITI ORA

Inserisci la tua e-mail!

INVIA

La selezione delle attrezzature più particolari realizzate dal nostro ufficio tecnico raccolta e spedita con una serie di newsletter periodiche.

A selection of the best fixtures designed by our technical department and shown on a proper newsletter series titled "Fixture of the Week"





Una presentazione delle novità tecniche piu recenti realizzate da Gerardi e moltissimi contenuti all'interno da scoprire.

An introduction to the latest technical developements of our technical department with many contents to discover

Scopri l'offerta speciale Gerardi rinnovata ogni 6 mesi e contenente molteplici promozioni su una selezione di nostri prodotti.

Find out the Gerardi Special Offers and the many great new products with an unbeatable price / quality ratio!





Aggiorniamo spesso i nostri principali cataloghi e listini Workholding & Tooling, iscriviti per restare sempre informato!

We constantly update our main Workholding and Tooling catalogues and price lists, subscribe to be always up-to-date!

GERARDI



1

The perfect mix!
Price, Quality, Versatility

STD - StandardFLEX - OK

Morse e Cubi / *Vises & Vise Towers*

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VALIGETTA DI CAMPIONATURA STD / StdFLEX
SAMPLE KIT CASE STD / StdFLEX

NEW 2021

Art. 981

Valigetta di campionatura morsa Art.1
Sample kit case Art.1 vise

Art.1 T.1



Morsa / Vise Art. 1

Cod. 0.98.10000

PRICE LIST €

SPECIAL PRICE €

Art. 985

Valigetta di campionatura morsa Art.1A
Sample kit case Art.1A vise

Art.1A T.1



Morsa / Vise Art. 1A

Cod. 0.98.50000

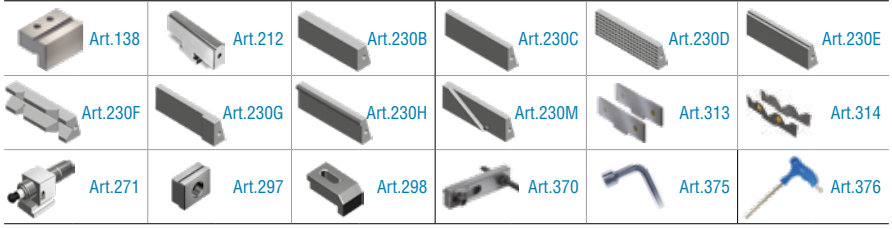
PRICE LIST €

SPECIAL PRICE €

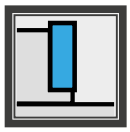
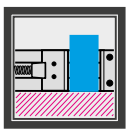
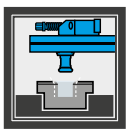
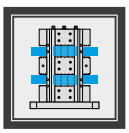
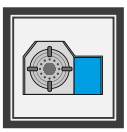
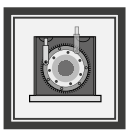
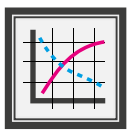
Art. 1 - All'Interno - Inside:



Art. 1A - All'Interno - Inside:



SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

GANASCE JAWS		 Fissa Fixed	 Mobile Movable	 Intermedia Intermediate	 Fissa con piastra singola Fixed with single plate	 Fissa con piastra doppia Fixed with double plate	 Ganasce sovrapponibili Stack Type Jaws
PIASTRE GANASCE JAW PLATES			 Discendente Pull down	 Piana Straight	 Cambio rapido manuale Quick manual change **StandardFLEX**	 GRIP integrale integral GRIP	 Inserti GRIP GRIP Inserts
POSSIBILITÀ POSSIBILITY			 Montaggio sul fianco o in serie Side mounting or gang operation	 Predisposizione Zero Point Zero Point ready	 Cubi-morsa Vise tower	 Divisore Automatico Automatic dividing head	 Divisore Meccanico Mechanical dividing head
PAGINE PAGES				 Accessori & Ricambi Accessories & Spare Parts	 Istruzioni corretto utilizzo Instruction for a proper use	 Diagrammi forze di serraggio Clamping force diagrams	 Sistema Idraulico Hydraulic System

Morse e Cubi / *Vises & Vise Towers*

STANDARD

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

La morsa più diffusa al mondo!

The most popular and copied vise in the world!

USURA INESISTENTE / *NO WEAR*

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. Costruzione completamente in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 58±2 HRC. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo 5 ANNI DI GARANZIA su tutto il programma morse e organi meccanici in genere.

Thanks to the manufacturing with only the most suitable materials and to the structure of the vise components (developed using computer customised softwares and the experience gained during many years spent working on the specific field). High alloyed quality resistance steel, case hardened HRC 58±2, is used in manufacturing all the Gerardi vises and accessories in order to give maximum rigidity, high performances and no wear. As evidence we give 5 YEARS WARRANTY on all the vises and mechanical components.

MODULARITÀ / *MODULARITY*

Tutte le morse ed accessori sono elementi componibili, intercambiabili e perfettamente allineabili fra loro e con i quali è possibile ottenere differenti soluzioni di bloccaggio. Secondo tale principio l'unico elemento che differenzia le attrezzature con identica larghezza di presa è la base (la cui lunghezza determina la massima apertura della morsa), mentre gli altri componenti sono identici. Mediante l'aggiunta o semplice sostituzione di alcuni particolari si può variare la tipologia di bloccaggio secondo le proprie esigenze utilizzando la stessa attrezzatura acquistata in un primo momento (bloccaggi singoli, con base girevole, doppi, verticali, di pezzi piani, tondi, piatti e grezzi, manuali, idraulici o pneumatici).

All vises and accessories are modular and components of all our vises will interchange with perfect alignment to provide different workholding solutions. With this basic principle the only difference between fixtures with the same width of clamping is the base (whose length determines the maximum opening of the vise), while the rest of components have same dimensions. Through the simple addition or substitution of some particulares You can change the type of clamping as Your needs require using the same fixture purchased before (single clamping, swivel base, double, vertical, smooth or round or flat or rough workpieces, manual, hydraulic or pneumatic).

DESIGN COMPATTO / *SPACE SAVING DESIGN*

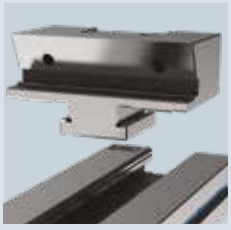
La semplicità nonché la compattezza costruttiva consentono un'apertura notevole rispetto all'ingombro totale dell'attrezzatura. Inoltre lo stesso peso (solo 25 kg per una morsa da 150 mm di larghezza ganascia) è tale da consentire un facile trasferimento da una macchina all'altra.

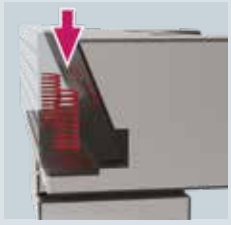
The space saving design and solid construction allow a maximum blocking ratio to total overall dimension of the vise. Furthermore the weight (only 25 kg for a 150 mm jaw width vise) allows a simple moving from one machine to another.

SERRAGGI RAPIDI / *QUICK CLAMPING*

Grazie allo scorrimento del gruppo di serraggio nella guida della base (a cremagliera) fino in prossimità del pezzo da lavorare dove si adatterà automaticamente alla nicchia più vicina. L'operazione di serraggio si conclude agendo sulla vite di bloccaggio. Oltre a quello manuale meccanico, sono disponibili 4 ulteriori sistemi di serraggio intecambiabili e indipendenti: 1 - Idraulici / 2 - Pneumatici / 3 - Idraulici manuali / 4 - Idraulici elettrici. L'operazione è in termini di secondi.

Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1- Hydraulic / 2- Pneumatic / 3- Manual hydraulic / 4- Electrical hydraulic. The change needs only few seconds.



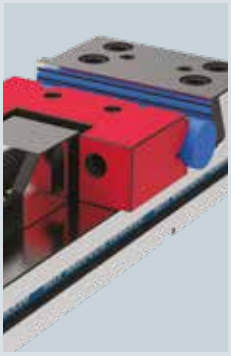


Ganascia monoblocco

Solid guided jaw

Entrambe le ganasce sono costruite in corpo unico (non esistono slitte o tasselli di fissaggio) per garantire una maggiore rigidità e nessuna flessione. Entrambe le piastre ganasce sono costruite con un angolo di spinta verso il basso. Ciò assicura, nel momento della chiusura, una trazione del pezzo contro la base della morsa (per trascinamento) e di conseguenza un bloccaggio sicuro e preciso.

Both jaws bodies are built in one solid piece (no slides or key-nuts): in order to guarantee higher rigidity & no bendings. Both jaw plates are manufactured with a pull down angle. This ensures, during the clamping operation, a downward run of the workpiece against the vise base (by dragging) and thus a precise and safety clamping.



Ganascia prismatica

Prismatic jaw

La ganascia prismatica Art.217 consente il serraggio e la lavorazione di particolari tondi in orizzontale e in verticale oppure il serraggio rialzato di particolari tramite il gradino.

The prismatic jaw Art.217 allows the clamping and machining of vertical and horizontal round workpieces or to clamp rised workpieces for drilled through on the step





Fori filettati per sovraganascia

Threated holes for stack type jaw

Quattro fori filettati supplementari sopra le ganasce danno la possibilità di installare ganasce sovrapponibili per applicazioni speciali.

4 extra tapped holes over the jaws for special Gerardi stack type jaw application

La morsa componibile GERARDI è costruita con il concetto di intercambiabilità di tutti gli elementi componenti l'attrezzatura e con la certezza di poter usare più morse sulla stessa macchina con posizionamento ed allineamento perfetto in pochi secondi. Tutto ciò è possibile per l'elevato grado di precisione della morsa stessa ed in particolare per quanto riguarda: l'altezza della base, l'allineamento con tasselli di cava longitudinale rispetto alla ganascia fissa, la perpendicolarità della ganascia fissa rispetto alla base ed il parallelismo dei piani della base. Tali caratteristiche consentono di risolverei più svariati e complicati problemi di fissaggio in pochi istanti con l'uso di più morse.

SCAN IT TO WATCH THE VIDEO PRESENTATION

5 YEARS WARRANTY

All GERARDI vises and accessories are modular and components of all our vises will interchange with perfect alignment. The vises can be matched side to side with the highest precision and minimum of set up times thanks to many fixed reference points. All this is possible thanks to the high precision of the vise particularly as regards: the base high, the alignment with longitudinal key-nuts with respect to the fixed jaw, the perpendicularity of the fixed jaw with respect to the vise base and the parallelism of the base top and bottom surfaces. Those features allows us to solve the most varied and complicated problems of clamping in a few seconds with the use of more vises.

Il trinomio perfetto!
Convenienza, Qualità, Versatilità

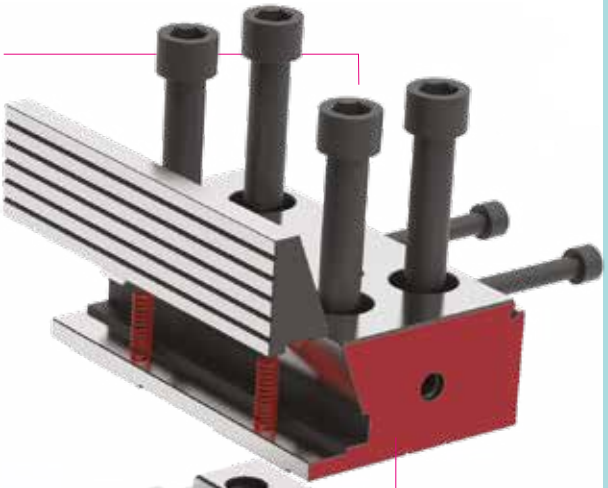
The perfect mix!
Price, Quality, Versatility



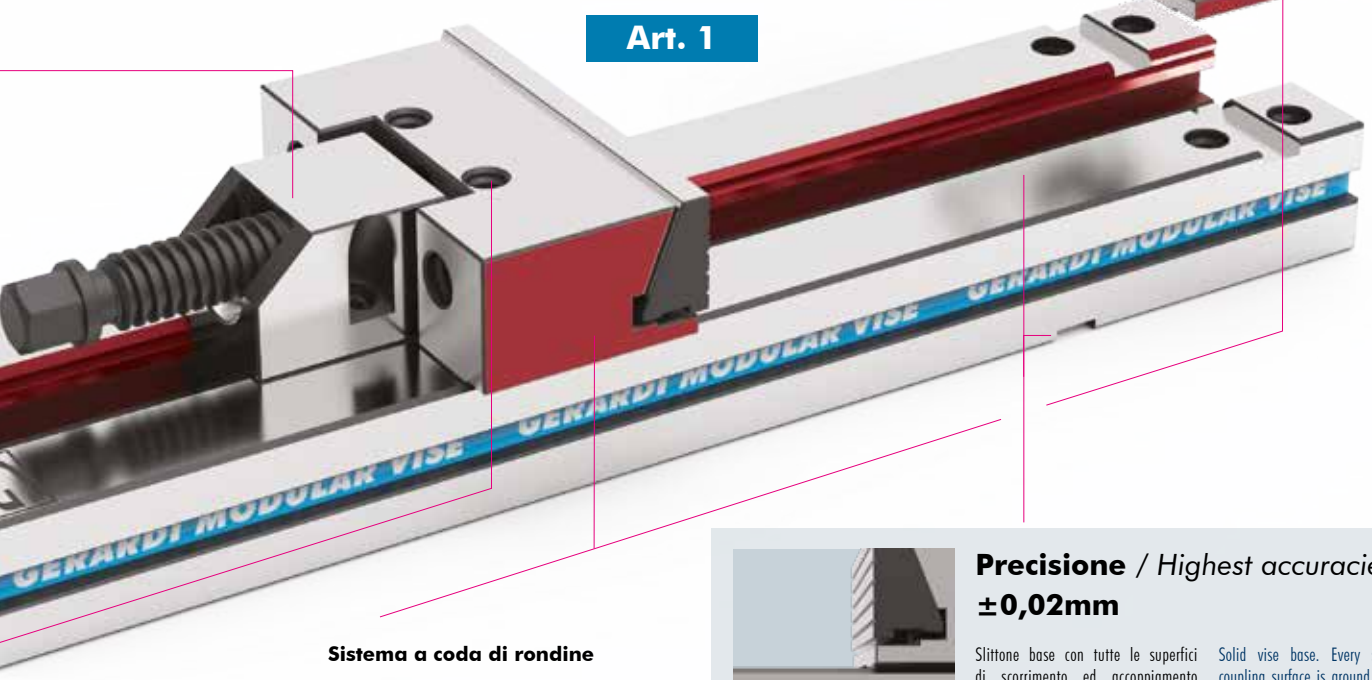
Versatility / *Versatility*

La ganascia fissa con gradino posteriore di 5x5 mm consente, una volta ruotata di 180°, il perfetto accoppiamento al gradino della ganascia prismatica mobile (Art.217) ordinabile separatamente: è così possibile il serraggio di pezzi piatti senza parallele e di tondi sia in orizzontale che in verticale. Inoltre è disponibile una vastissima gamma di ganasce nonché un sistema di parallele piane e angolari per le più svariate applicazioni e la lavorazione di pezzi di qualsiasi forma e dimensione. Illimitata gamma di aperture possibili.

Fixed jaw with 5x5mm step matchable to the prismatic movable jaw (Art.217 to be ordered separately) which allows to clamp plates without parallels and round workpieces vertical & horizontal way. Vertical, sideway and gang operation are possible with the appropriate components (column, narrow width jaws, etc.) Unlimited calmping range.



Art. 1

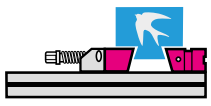


Sistema a coda di rondine

Dove tail system

Rimuovendo le piastre ganasce è possibile sfruttare l'inclinazione a 15° del corpo per serrare il particolare, prelavorando la faccia inferiore del particolare ottenendo così un sistema ad incastro irreversibile.

By taking off the jaw plates, it is possible to exploit the body inclination of 15° to clamp the workpiece and premachine the lower surface thus obtaining an irreversible dovetail system.





Precisione / *Highest accuracies* **±0,02mm**

Slittone base con tutte le superfici di scorrimento ed accoppiamento rettificate.L'allineamento agli assi della macchina avviene grazie alle chiavette longitudinali e trasversali (16H7) o fori di posizionamento (Ø16mm F7), a richiesta, previsti sulla base di ciascuna morsa. Naturalmente tutto ciò consente oltre alle precisioni dichiarate tempi di installazione irrisori.

Solid vise base. Every sliding and coupling surface is ground. Centesimal tollerances are guaranteed by checking cycles with CNC measuring machine. The perfect alignment with the machine axis is given by longitudinal and cross keyways (16H7) or positioning holes (Ø16 mm F7), upon specific request, on the vise base. Of course this allows minimum of set up times and gang operations.

Staffe d'ancoraggio / *Vise holding clamps*

NEW 2021

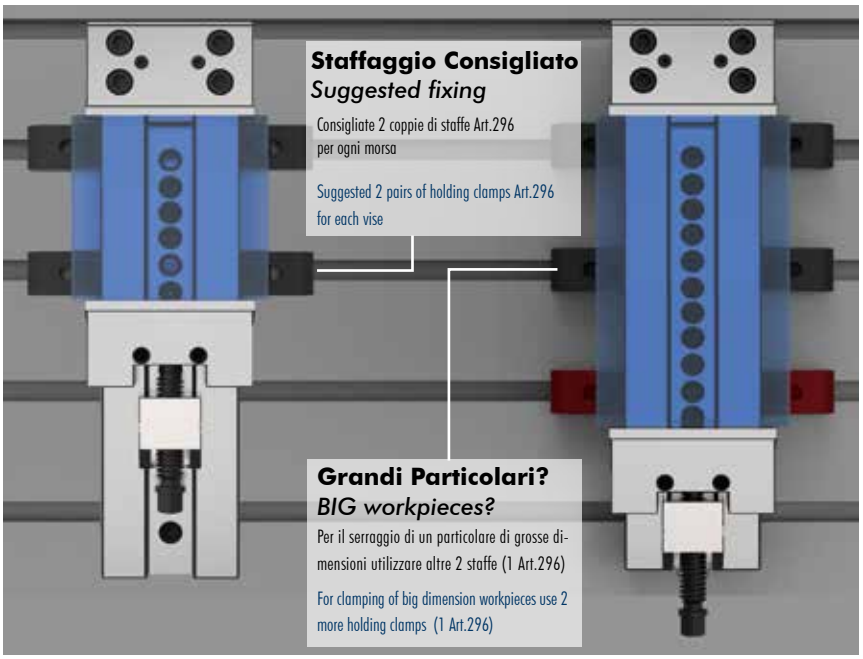
Standard / StandardFLEX

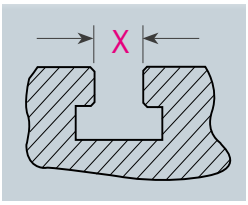
Coppia staffe di fissaggio Art.296, complete di vite e dado a "T"

Pair of vise holding clamps Art.296 complete of screw and "T" nuts

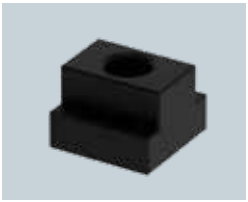
Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: *Art.296 T.3 X=18mm*
Oppure con codice: *2.29.6300 X=18mm*

Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm
Also with code: 2.29.6300 X=18mm

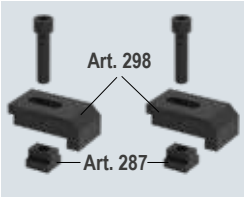




Cava a T
T Slot
Specificare sempre la cava della vostra macchina
Always specify the machine T-slot dimension

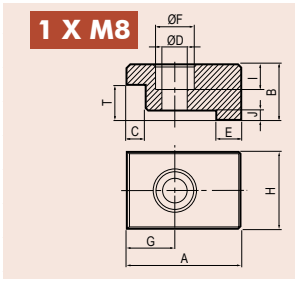


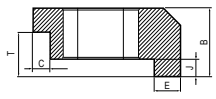
Art.287 (Pag.4.34)
Dadi a T - *T Nuts*
Per fissaggio morse alle cave a T della macchina
For vise clamping on the machine T-slots

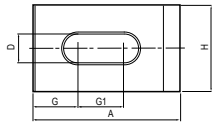


Art.296
(Art.298 + Art.287)
Consigliate 2 coppie di staffe Art.296 per ogni morsa
Suggested 2 pairs of holding clamps Art.296 for each vise

Tipo (grandezza) morsa / Vise type (size)		1	1 - 2			3 - 4		5 - 6	
Art. 296 Coppia di staffe / Holding clamps pair	Cava a T slot X	12 14 16 18	12* 14 16	16 18 20	18* 20 22	16 18 20 22	18* 20 22	16 18 20 22	18* 20 22
	T-nuts Ref. N°	8 9 10 11	12 13 14	20 21 22	32 33 34	20 21 22 23	32 33 34	20 21 22 23	32 33 34
	Filetto vite / Screw thread	M8	M10	M12 *	M16	M12 *	M16	M12	M16 *
1 X M8	A	50	50	50	50	76	76	86	86
	B	24	24	24	24	30	30	40	40
	C	6	6	6	6	6	6	10	10
	Ø D	8,5	11	13	17	13	17	13	17
	E	10	10	10	10	13	13	15	15
	Ø F	14	-	-	-	-	-	-	-
	G	14	16	17,5	19	17	16	26	26
	G1	17	15	13	9	22	15	27	27
	H	34	34	34	34	42	42	50	50
	I	8	10	10	10	-	-	-	-
	J	4	4	4	4	10	10	10	10
	T ± 0,1	15	15	15	15	20	20	26	26
	Cod.	2.29.61000 / M8	2.29.61000 / M10	2.29.61000 / M12	2.29.61000 / M16	2.29.63000 / M12	2.29.63000 / M12	2.29.65000 / M12	2.29.65000 / M16







* *Scelta consigliata - Suggested choice*

* *Scelta NON consigliata - NO Suggested choice*

Soluzioni personalizzate / *Customized solutions*

Standard / StandardFLEX

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

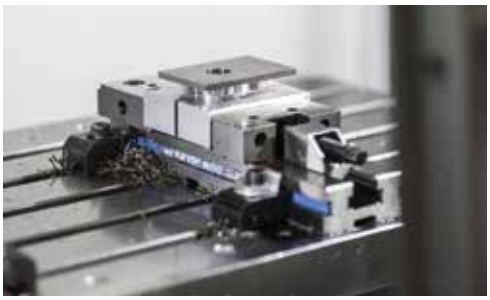


Morse StandardMatic

StandardMatic vises

Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli Pneumoidraulici (Serie StandardMatic)

Precision Modular vises matchable for gang operations and Pneumohydraulic clamping (StandardMatic series)



Modularità & versatilità

Modularity & versatility

Morsa STD con ganasce lavorabili montata in orizzontale su un centro di lavoro verticale.

Std vise with machineable jaws horizontally mounted on vertical machining centres.



Morse modulari di precisione

Precision modular vises

Morse modulari di precisione allineate per il serraggio di un particolare di grandi dimensioni.

Precision modular vises aligned for rather big workpiece clamping



Ganasce monoblocco guidate

Solid Guided jaws

Ganasce guidate monoblocco costruite con un angolo di spinta verso il basso

Guided movable jaws built in one solid body with a pull down angle



Usura inesistente

No wear

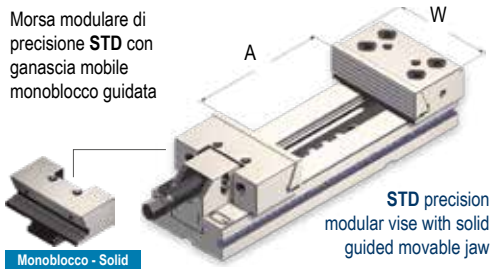
Costruzione in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 60 ±2 HRC

High alloyed quality resistance steel, case hardened HRC 60±2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	3.01.00000	3.02.10000	3.03.20000	3.03.30000	3.04.20000	3.04.30000	3.04.40000	3.04.50000

Art. 1

Morsa modulare di precisione **STD** con ganascia mobile monoblocco guidata

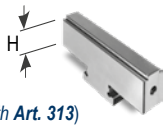


STD precision modular vise with solid guided movable jaw

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313 Parallele magnetiche / Magnetic parallel plates *Vedi pagina 4.27 per altezze disponibili / See page 4.27 for available height*	Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
	H	23	33	43	53
Art. 212 Ganascia mobile intermedia (*da usare con **Art. 313***) / Intermediate movable jaw (*to be used with **Art. 313***)	Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
Art. 217 Ganascia mobile prismatica / Prismatic movable jaw	Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000
Art. 242G Piastra ganascia con inserti GRIP completa di parallela magnetica / Jaw plate with GRIP inserts with magnetic parallel	Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400





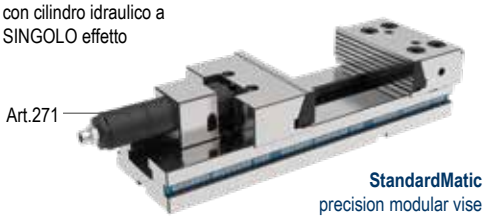




Art. 1E

NEW 2021

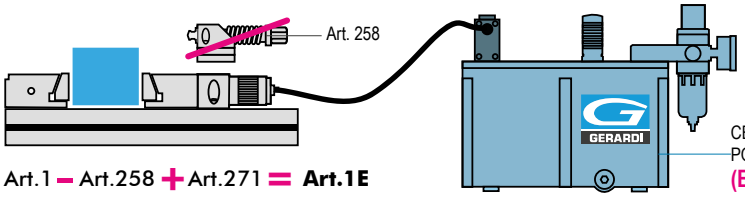
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Art. 1E	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

MORSE StandardMatic



Art.1 − Art.258 + Art.271 = **Art.1E**

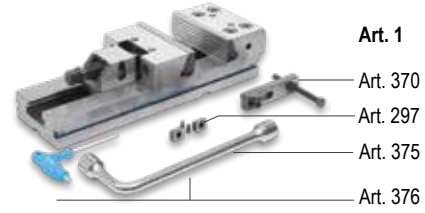
CENTRALINA POWER UNIT **(EXTRA)**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7)

Extra per ogni chiavetta (tolleranza H7)

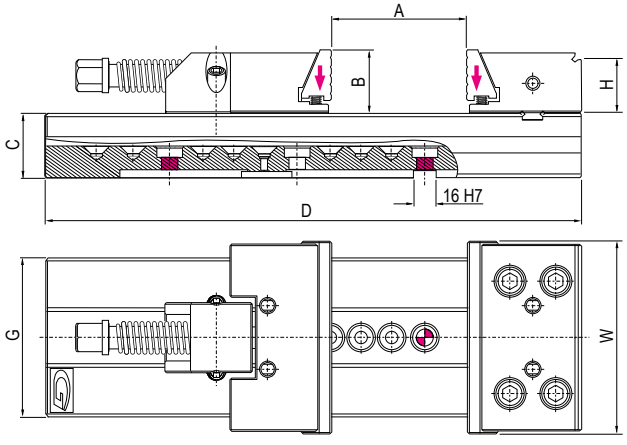


Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)

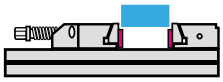
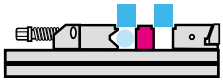
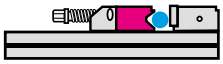
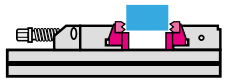
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	3.05.20000	3.05.30000	3.05.40000	3.05.50000	3.05.60000	3.06.20000	3.06.30000	3.06.40000	3.06.50000	3.06.60000	3.06.70000	3.06.80000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3500C	4.31.3600C
Art. 313		
	53	68
	1.21.25000	1.21.26000
Art. 212		
	2.21.75000	2.21.76000
Art. 217		
	1.24.2G500	1.24.2G600
Art. 242G		

Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

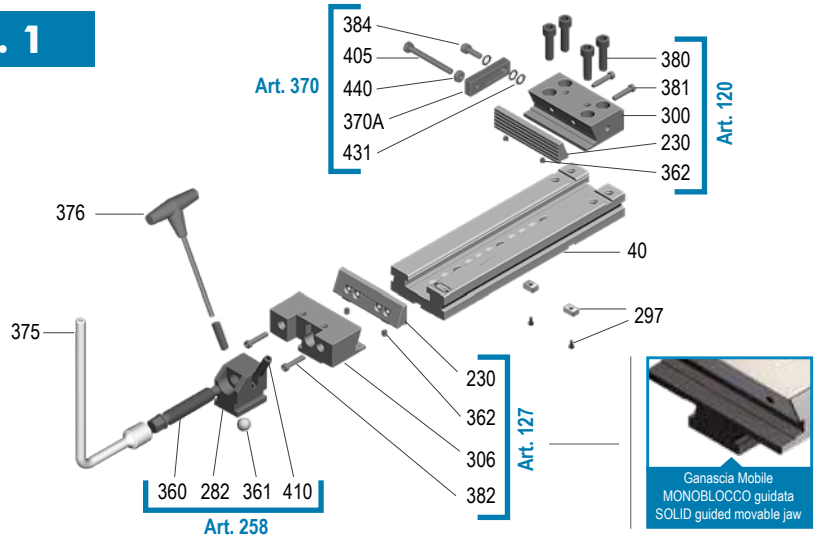
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 1



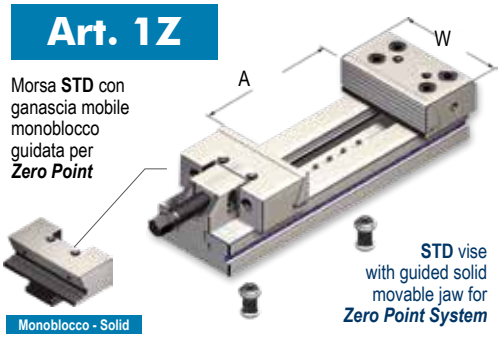
Art.	Pag.
40	1.24
230	4.9
282	4.36
297	4.34
300	4.29
306	4.29
360	4.36
361	4.36
362	4.28
370A	4.35
375	4.35

Art.	Pag.
376	4.35
380	4.28
381	4.28
382	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2
	Cod.	1.1Z.10000	1.1Z.20000	1.1Z.32000	1.1Z.33000	1.1Z.42000	11Z.43000	1.1Z.44000	1.1Z.45000

Art. 1Z

Morsa **STD** con ganascia mobile monoblocco guidata per ***Zero Point***



Monoblocco - Solid

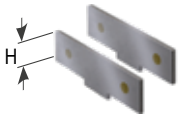
STD vise with guided solid movable jaw for ***Zero Point System***

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

Parallele magnetiche
Magnetic parallel plates

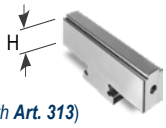
Vedi pagina 4.27 per altezze disponibili
See page 4.27 for available height



Cod.	4.31.3100C	4.31.3200C	4.31.3300C		4.31.3400C
H	23	33	43		53

Art. 212

Ganascia mobile intermedia (*da usare con* ***Art. 313***)
Intermediate movable jaw (*to be used with* ***Art. 313***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 217

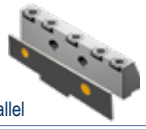
Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000

Art. 242G

Piastra ganascia con inserti GRIP completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel



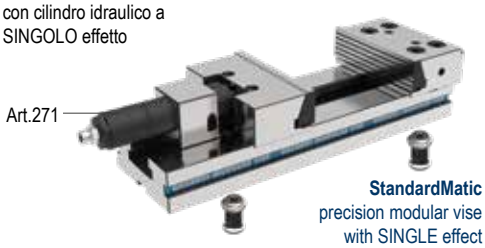
Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400

Art. 1ZE

NEW 2021

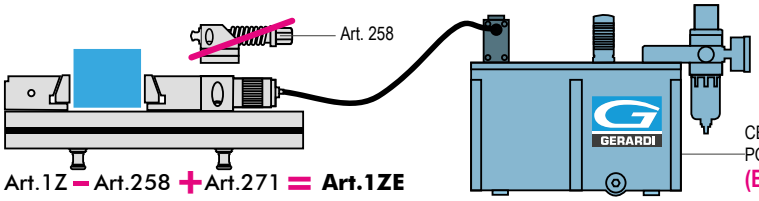
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

MORSE StandardMatic

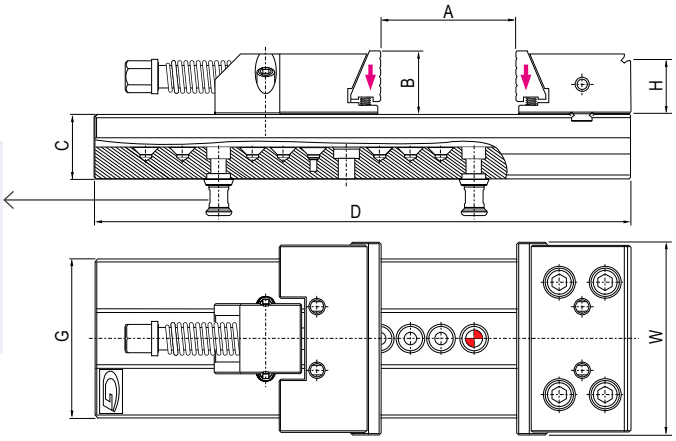


Dotazione standard:
- 1 arresto laterale Art. 370
- 2 tiranti Art. 10A
- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376



Art. 10A



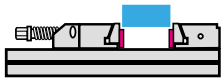
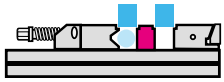
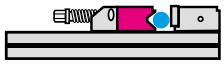
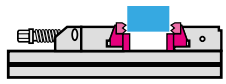


Standard equipment:
- 1 workstop Art. 370
- 2 pullstuds Art. 10A
- 1 box wrench Art. 375
- 1 T-wrench Art. 376

Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1Z.52000	1.1Z.53000	1.1Z.54000	1.1Z.55000	1.1Z.56000	1.1Z.62000	1.1Z.63000	1.1Z.64000	1.1Z.65000	1.1Z.66000	1.1Z.67000	1.1Z.68000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3500C	4.31.3600C
Art. 313		
	53	68
	1.21.25000	1.21.26000
Art. 212		
	2.21.75000	2.21.76000
Art. 217		
	1.24.2G500	1.24.2G600
Art. 242G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

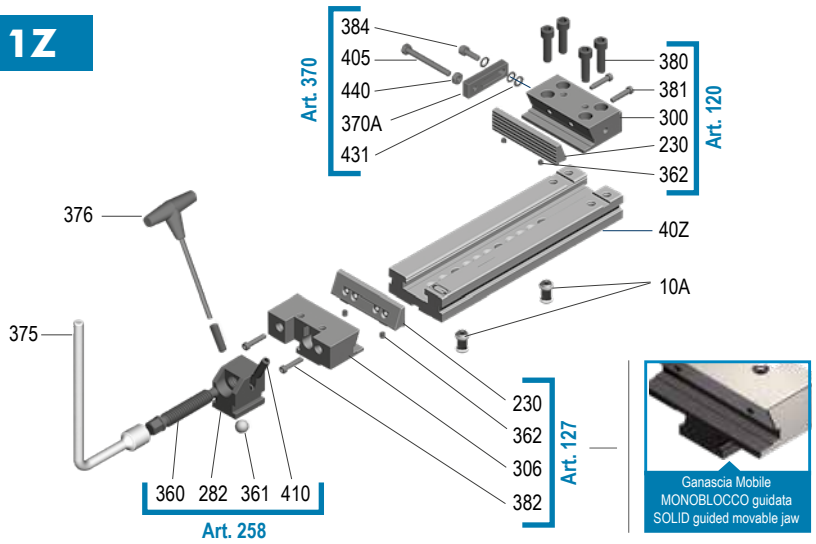
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 1Z



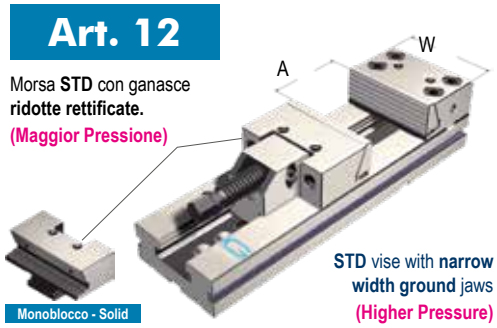
Art.	Pag.
10A	9.31
40Z	1.24
230	4.9
282	4.36
300	4.29
306	4.29
360	4.36
361	4.36
362	4.28
370A	4.35
375	4.35

Art.	Pag.
376	4.35
380	4.28
381	4.28
382	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	75	95	125		145			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	kg	6.2	11.9	24.2	27.8	35	39	46	51
	Cod.	3.01.00120	3.02.10120	3.03.20120	3.03.30120	3.04.20120	3.04.30120	3.04.40120	3.04.50120

Art. 12

Morsa **STD** con ganasce **ridotte rettificate.**
(Maggior Pressione)



Monoblocco - Solid

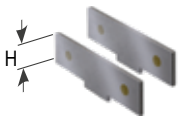
STD vise with **narrow width ground** jaws
(Higher Pressure)

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313R

Parallele magnetiche
Magnetic parallel plates

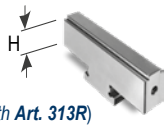
Vedi pagina 4.27 per altezze disponibili
See page 4.27 for available height



Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
H	23	33	43	53

Art. 213

Ganascia mobile intermedia
(*da usare con **Art. 313R***)
Intermediate movable jaw (*to be used with **Art. 313R***)



Cod.	1.21.31000	1.21.32000	1.21.33000	1.21.34000

Art. 218

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000

Art. 243G

Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica
Narrow width jaw plate with GRIP inserts with magnetic parallel



Cod.	1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400

Art. 12E

NEW 2021

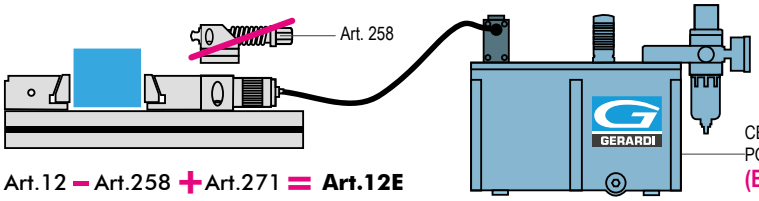
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic
precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

MORSE StandardMatic

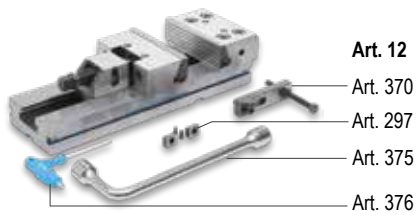


Art.12 − Art.258 + Art.271 = **Art.12E**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)

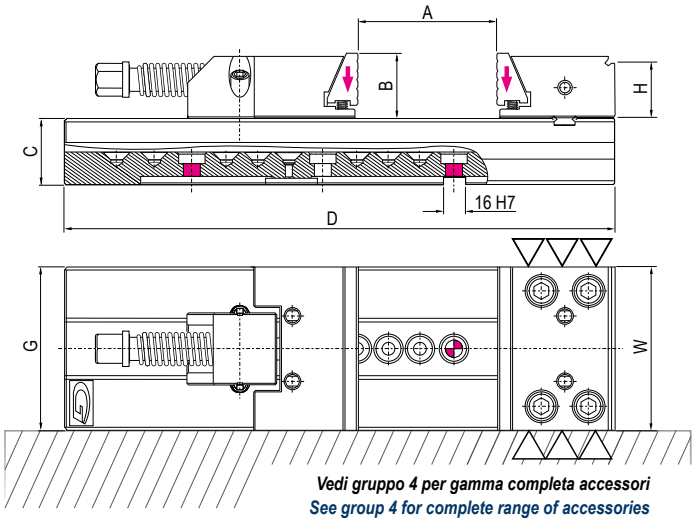


Art. 12
Art. 370
Art. 297
Art. 375
Art. 376

Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

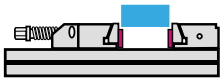
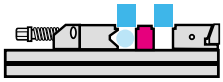
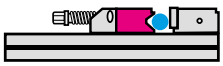
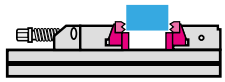
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	170					195						
B	65					80						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	62	67	72	77	82	88	98	108	118	128	138	148
Cod.	3.05.20120	3.05.30120	3.05.40120	3.05.50120	3.05.60120	3.06.20120	3.06.30120	3.06.40120	3.06.50120	3.06.60120	3.06.70120	3.06.80120

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3R50C	4.31.3R60C
Art. 313R		
	53	68
	1.21.35000	1.21.36000
Art. 213		
	2.21.85000	2.21.86000
Art. 218		
	1.24.3G500	1.24.3G600
Art. 243G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

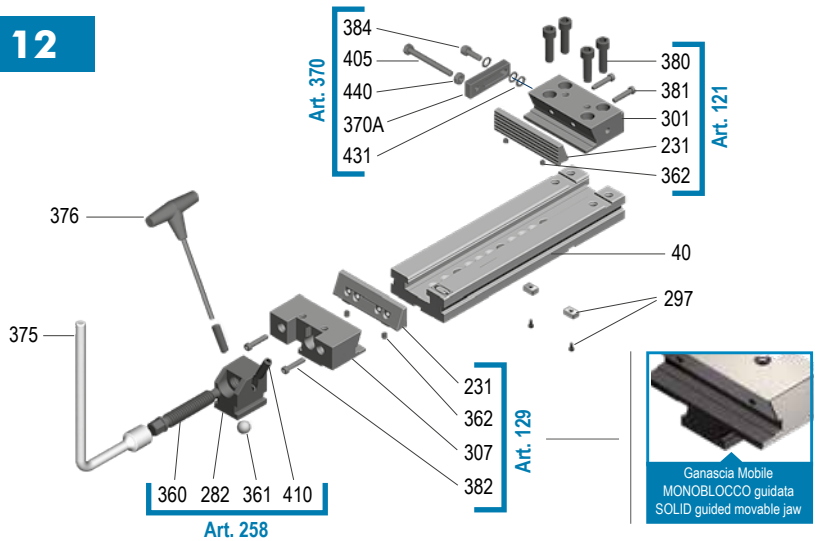
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 12



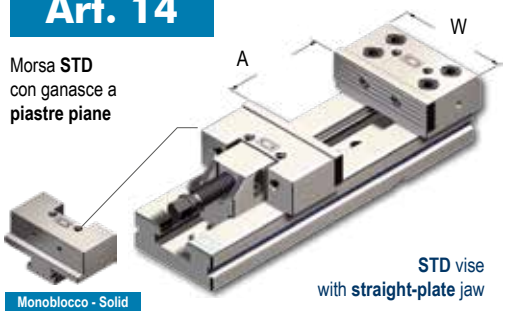
Art.	Pag.
40	1.24
231	4.9
282	4.36
297	4.34
301	4.29
307	4.29
360	4.36
361	4.36
362	4.28
370A	4.35
375	4.35

Art.	Pag.
376	4.35
380	4.28
381	4.28
382	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	1.14.10000	1.14.20000	1.14.32000	1.14.33000	1.14.42000	1.14.43000	1.14.44000	1.14.45000

Art. 14

Morsa **STD** con ganasce a **piastre piane**



Monoblocco - Solid

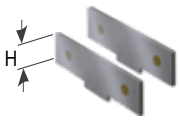
STD vise with **straight-plate** jaw

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

Parallele magnetiche
Magnetic parallel plates

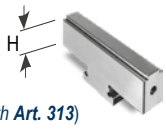
Vedi pagina 4.27 per altezze disponibili
See page 4.27 for available height



Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
H	23	33	43	53

Art. 212

Ganascia mobile intermedia
(*da usare con **Art. 313***)
Intermediate movable jaw (*to be used with **Art. 313***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 246

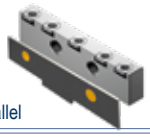
Piastra piana in acciaio lavorabile
Machinable steel straight jaw plate



Cod.	1.65.16200	1.65.26200	1.65.36200	1.65.46200

Art. 246G

Piastra ganascia con inserti GRIP completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel

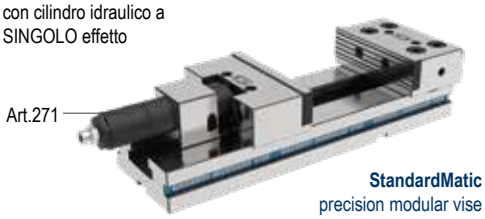


Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400

Art. 14E

NEW 2021

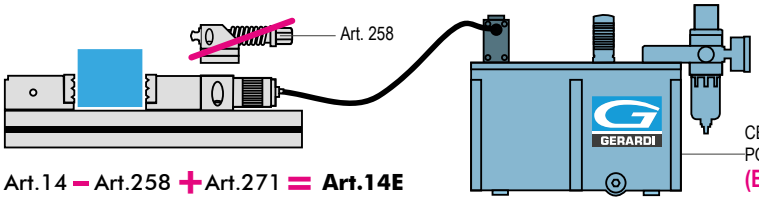
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic

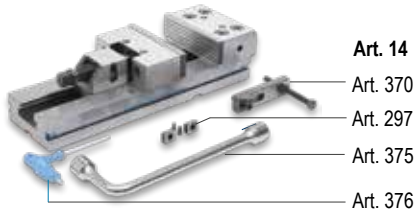


Art.14 − Art.258 + Art.271 = **Art.14E**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)

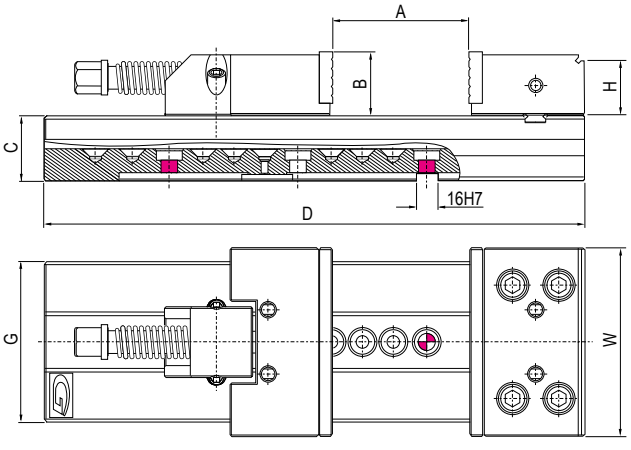


Art. 14
Art. 370
Art. 297
Art. 375
Art. 376

Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

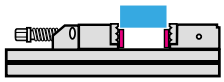
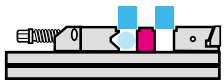
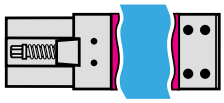
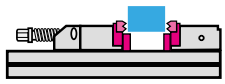
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	200					300						
B	65					80						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.14.52000	1.14.53000	1.14.54000	1.14.55000	1.14.56000	1.14.62000	1.14.63000	1.14.64000	1.14.65000	1.14.66000	1.14.67000	1.14.68000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3500C	4.31.3600C
Art. 313		
	53	68
	1.21.25000	1.21.26000
Art. 212		
	1.65.56200	1.65.66200
Art. 246		
	1.24.6G500	1.24.6G600
Art. 246G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

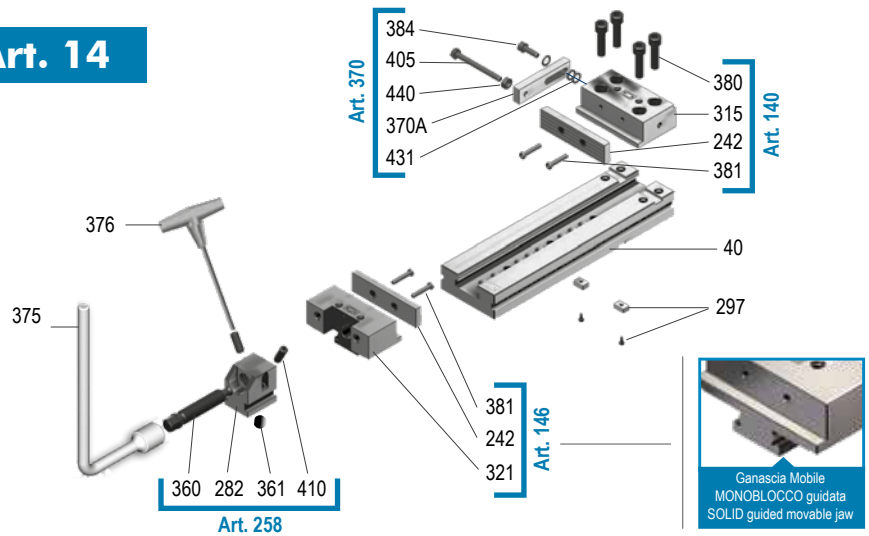
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 14



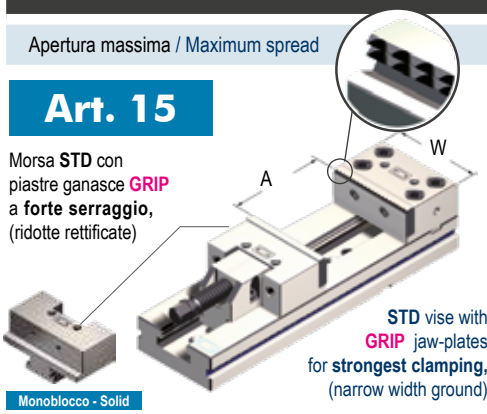
Art.	Pag.
40	1.24
242	4.11
282	4.36
297	4.34
315	4.30
321	4.30
360	4.36
361	4.36
370A	4.35
375	4.35
376	4.35

Art.	Pag.
380	4.28
381	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-
-	-
-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	75	95	125		145			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	kg	6.2	11.9	24.2	27.8	35	39	46	51
	Cod.	1.15.10000	1.15.20000	1.15.32000	1.15.33000	1.15.42000	1.15.43000	1.15.44000	1.15.45000

Art. 15

Morsa **STD** con piastre ganasce **GRIP** a **forte serraggio**, (ridotte rettificate)



STD vise with **GRIP** jaw-plates for **strongest clamping**, (narrow width ground)

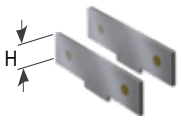
Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313R

Parallele magnetiche
Magnetic parallel plates

Vedi pagina 4.27 per altezze disponibili
See page 4.27 for available height



Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C		4.31.3R40C
H	23	33	43		53

Art. 247

Piastra piana ridotta in acciaio lavorabile
Machinable steel narrow width straight jaw plate



Cod.	1.65.17200	1.65.27200	1.65.37200	1.65.47200

Art. 218

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000

Art. 247G

Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica
Narrow width jaw plate with GRIP inserts with magnetic parallel

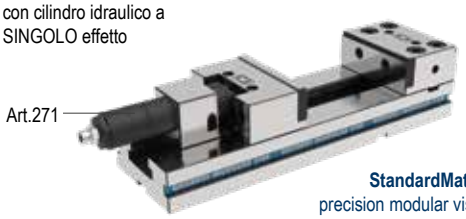


Cod.	1.24.7G100	1.24.7G200	1.24.7G300	1.24.7G400

Art. 15E

NEW 2021

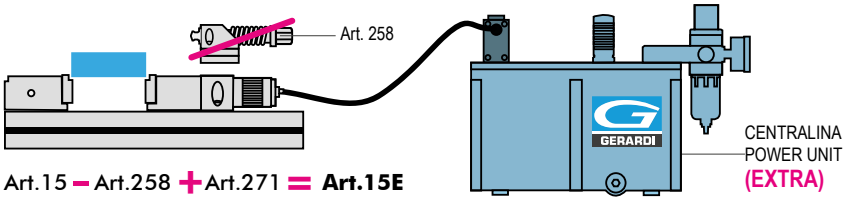
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

MORSE StandardMatic



Art.15 − Art.258 + Art.271 = **Art.15E**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

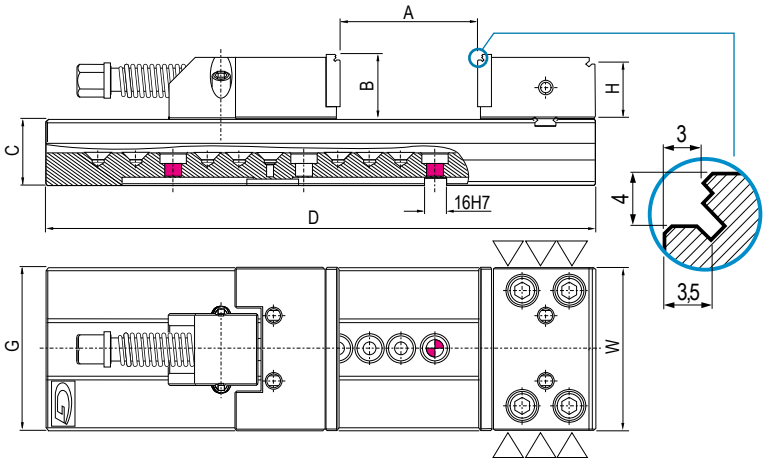
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

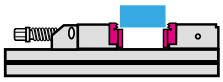
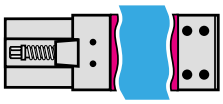
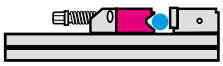
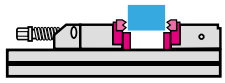
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	170					195						
B	65					80						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	62	67	72	77	82	88	98	108	118	128	138	148
Cod.	1.15.52000	1.15.53000	1.15.54000	1.15.55000	1.15.56000	1.15.62000	1.15.63000	1.15.64000	1.15.65000	1.15.66000	1.15.67000	1.15.68000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3R50C	4.31.3R60C
Art. 313R		
	53	68
	1.65.57200	1.65.67200
Art. 247		
	2.21.85000	2.21.86000
Art. 218		
	1.24.7G500	1.24.7G600
Art. 247G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

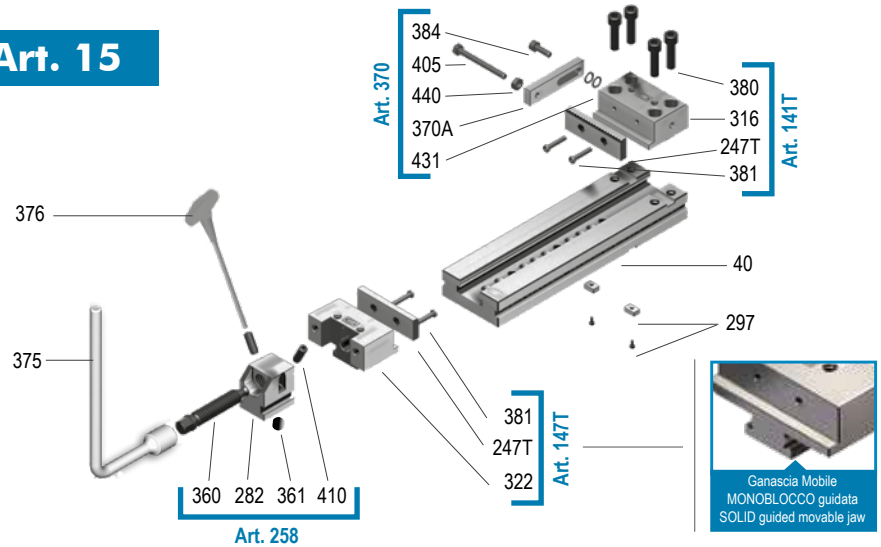
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 15



Art.	Pag.
40	1.24
247T	4.11
282	4.36
297	4.34
316	4.30
322	4.30
360	4.36
361	4.36
370A	4.35
375	4.35
376	4.35

Art.	Pag.
380	4.28
381	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-
-	-
-	-

Morse e Cubi / *Vises & Vise Towers*

StandardFLEX

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

La morsa più evoluta!

The most recent vise!

CARATTERISTICHE & VANTAGGI

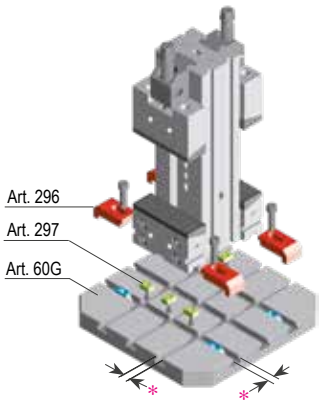
- √ **USURA INESISTENTE**
- √ **RAPIDITA' DEI SERRAGGI**
- √ **MODULARITA' & VERSATILITA'**
- √ **PRECISIONI ± 0,02 mm**
- √ **RIGIDITA' & SICUREZZA**
- √ **DESIGN COMPATTO E MANEGGEVOLEZZA**

Si rimanda a quanto esposto a pag. 1.4 e 1.5

TECHNICAL FEATURES & ADVANTAGES

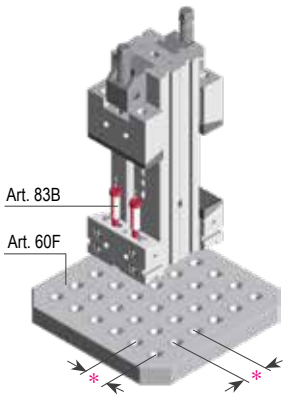
- √ NO WEAR
- √ QUICK CLAMPING
- √ MODULARITY & VERSATILITY
- √ HIGHEST ACCURACIES ± 0,02 mm
- √ RIGIDITY & SAFETY
- √ SPACE SAVING DESIGN & HANDY

See pag. 1.4 and 1.5 (STANDARD series vises)



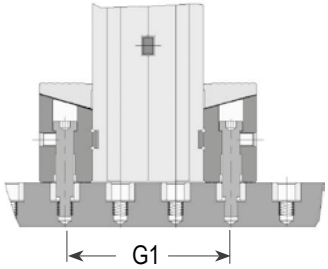
* Cava / T slot = 16 mm

Ancoraggio e posizionamento con staffe e chiavette
Positioning and clamping through vise clamps



* Passo / Pitch = 50 mm

Ancoraggio e posizionamento su reticolo
Grid clamping and positioning



Tipo morsa Vise type	3	4	4	5
G1 mm	150		200	250

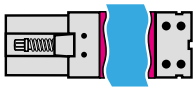


Portapiastre / *The Rack*

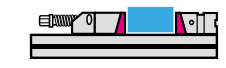
Completo di piastre ganasce a cambio rapido a gradino Art.230E
Complete of quick change step jaw plates Art.230E

Vedi Pag. 4.22 - See Page.4.22

PIASTRE GANASCE DISCENDENTI INTERCAMBIABILI MANUALMENTE
PULL DOWN JAW PLATES INTERCHANGEABLE BY HAND



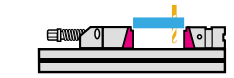
Art. 230B
Dolce
Soft



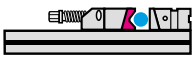
Art. 230C
Liscia
Smooth



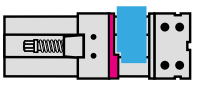
Art. 230D
Zigrinata
Serrated



Art. 230E
Con gradino
With step



Art. 230F
Prismatica
Prismatic



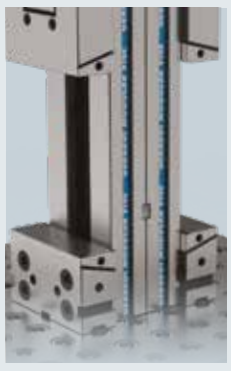
Art. 230G
Con arresto a 90°
With 90° stop



Art. 230H
Bombata
Round



Art. 230M
Angolo di 30° o 45°
30° or 45° angle



Montaggio Verticale
Vertical Mounting

Montaggio in verticale di due morse StandardFLEX contrapposte su piani a reticolo Ø16mm. passo 50mm

Example of vertical mounting of 2 StandardFLEX vises back to back on grid base Ø16 - 50mm Pitch

Le morse GERARDI della serie Standardflex sono un evoluzione della morsa Standard. La loro caratteristica principale è la sostituzione rapida delle piastre ganasce che avviene manualmente e senza l'ausilio di alcun utensile, questo è possibile grazie al sistema Perno-molla, che consente un diverso utilizzo della morsa in tempi ridottissimi.
Grazie al sistema a Pettine di rigatura prismatica delle piastre ganascia, risulta migliorato anche l'effetto discendente che durante la fase di serraggio, trascina il pezzo contro lo slittone garantendo anche una notevolissima precisione di riposizionamento.

The GERARDI vises of the StandardFLEX series are an evolution of the Standard vise series.Their main characteristic is the quickest jaw plate hand substitution without any tool. This is possible thanks to the new design with pin with spring which increases the standard vise versatility while the prismatic grooves allow a perfect repositioning accuracy (within microns!!!).

SCAN IT TO WATCH THE
VIDEO PRESENTATION

5 YEARS WARRANTY

Dotata del geniale sistema a pettine per sostituire rapidamente la piastra ganascia discendente

Innovative Comb system for quick pull-down jaw plate change



Riconfigurazione Rapidissima
Quickest Vise Resetting

grazie alla piastra ganascia intercambiabile manualmente tramite sistema a pettine

Thanks to the quick interchangeable jaw plate through ground comb system

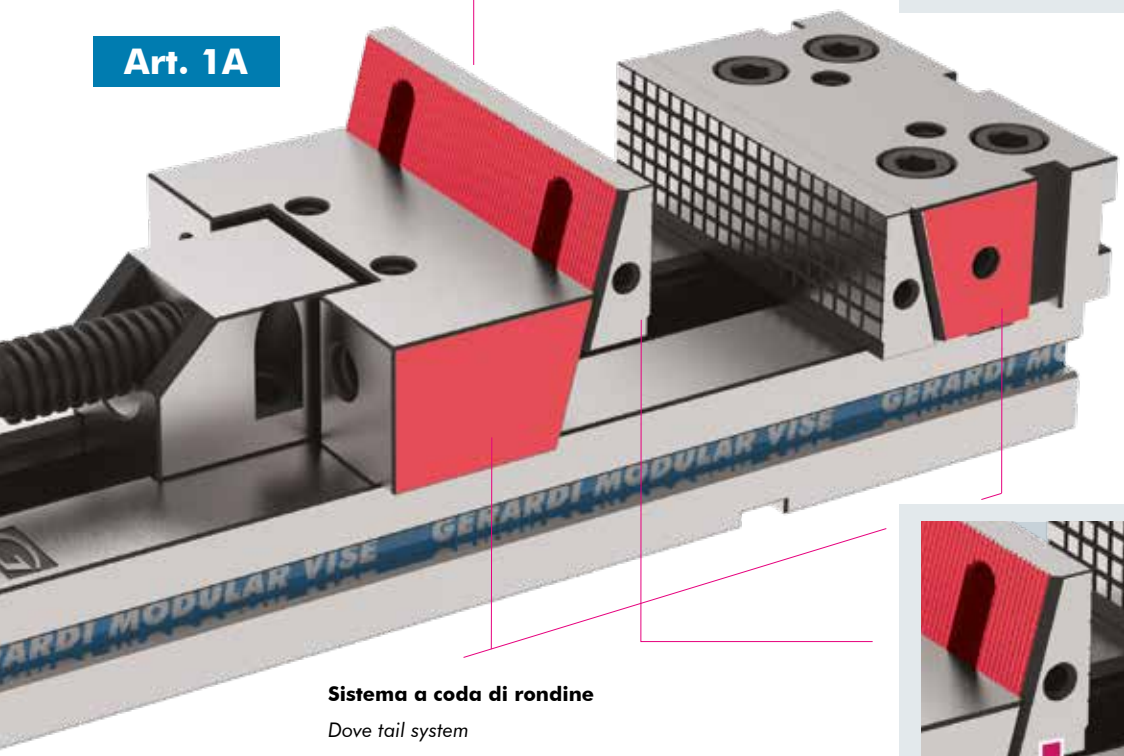


Altissima ripetibilità di posizionamento
Highest repositioning accuracy
±0,005mm

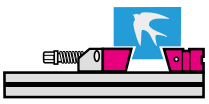
Veloce e preciso grazie alla forma rettificata del sistema a pettine

Quick and accurate jaw plate thanks the grid shape of the comb system

Art. 1A



Sistema a coda di rondine
Dove tail system



Rimuovendo le piastre ganasce è possibile sfruttare l'inclinazione a 15° del corpo per serrare il particolare, prelavorando la faccia inferiore del particolare ottenendo così un sistema ad incastro irreversibile.

By taking off the jaw plates, it is possible to exploit the body inclination of 15° to clamp the workpiece and pre-machine the lower surface thus obtaining an irreversible dovetail system.

Effetto discendente
Pull Down Action

Effetto discendente amplificato e migliorato e migliore protezione dai trucioli grazie al sistema a pettine

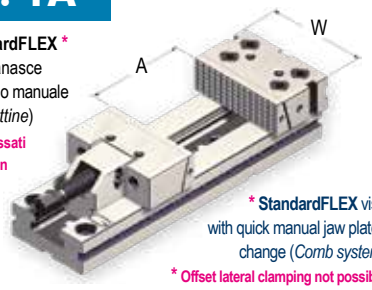
Increased and better pull down action and better protection from chips thanks to the comb system

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	96	121	146		171			
	B	28	38	48		58			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	1.1A.10000	1.1A.20000	1.1A.32000	1.1A.33000	1.1A.42000	1.1A.43000	1.1A.44000	1.1A.45000

Art. 1A

Morsa **StandardFLEX** *
con piastre ganasce
a cambio rapido manuale
(*Sistema a pettine*)

* Serraggi disassati lateralmente non possibili.



* **StandardFLEX** vise
with quick manual jaw plates
change (*Comb system*)

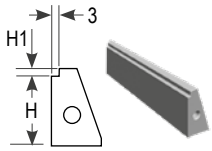
* Offset lateral clamping not possible

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 230E

Piastra ganascia intercambiabile
Interchangeable jaw plate

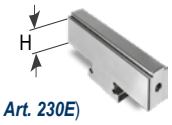
Vedi pagina 4.21 per altezze disponibili
See page 4.21 for available height



Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401	
H	23	33	43	53	
H1	5	5	5	5	

Art. 212

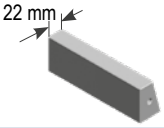
Ganascia mobile intermedia
(*da usare con **Art. 230E***)
Intermediate movable jaw (*to be used with **Art. 230E***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate



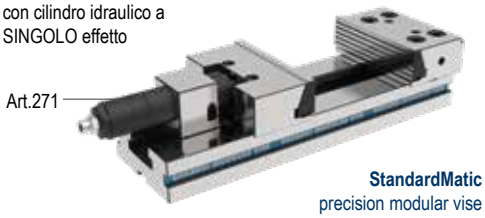
Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401

Art. 1AE

NEW 2021

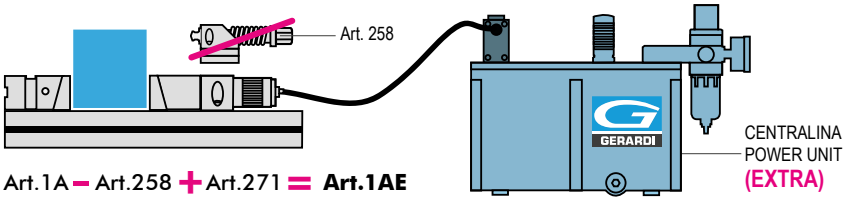
Morsa modulare **StandardMatic**
con cilindro idraulico a
SINGOLO effetto

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			



StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

MORSE StandardMatic



Art.1A − Art.258 + Art.271 = **Art.1AE**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 2 tappi Art. 291 ■ 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Fori rettificati e calibrati con tolleranza F7 già inclusi nel prezzo

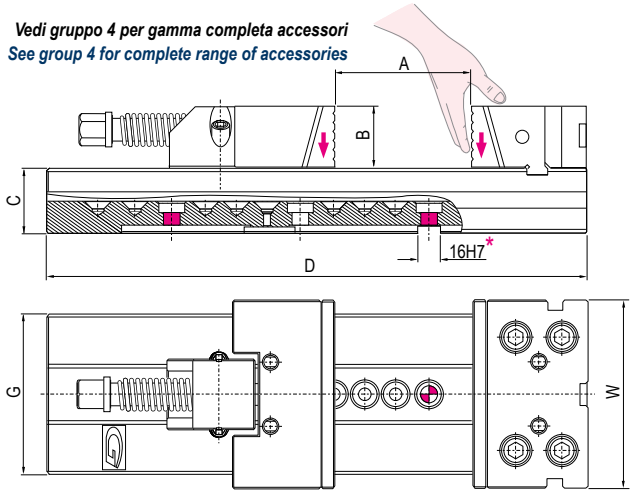


Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 2 inserts Art. 291 ■ 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Ground calibrated holes F7 tolerance already included in the price

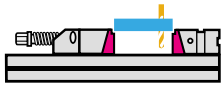
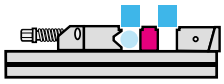
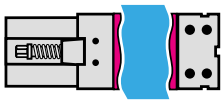
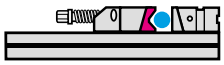
Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories



*Versione normale: Cave da 16H7 e fori calibrati Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)
*Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			196						296			
B			63						78			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.1A.52000	1.1A.53000	1.1A.54000	1.1A.55000	1.1A.56000	1.1A.62000	1.1A.63000	1.1A.64000	1.1A.65000	1.1A.66000	1.1A.67000	1.1A.68000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.23.0E501		4.23.0E601
Art. 230E			
H	53		68
H1	10		10
	1.21.25000		1.21.26000
Art. 212			
	4.23.0B501		4.23.0B601
Art. 230B			
	4.23.0F501		4.23.0F601
Art. 230F			

Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

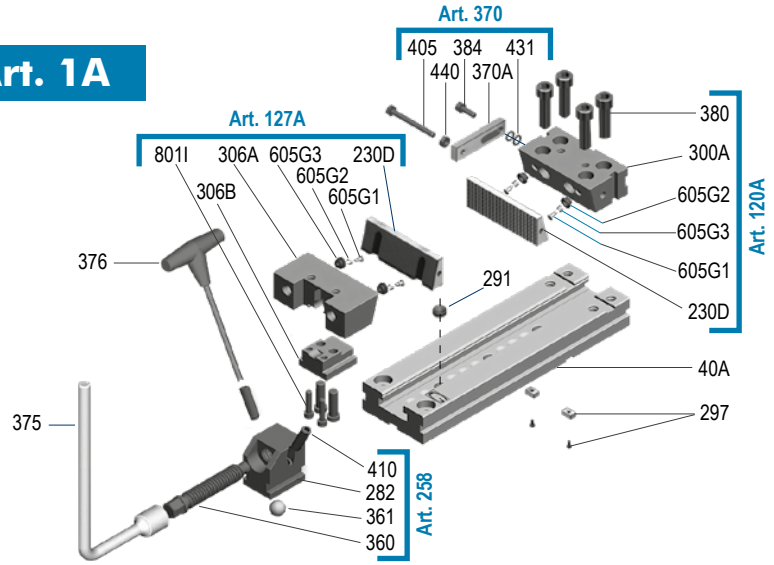
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 1A



Art.	Pag.
40A	1.24
230D	4.21
282	4.36
291	4.35
297	4.34
300A	4.30
306A	4.30
306B	4.30
360	4.36
361	4.36
370A	4.35
375	4.35

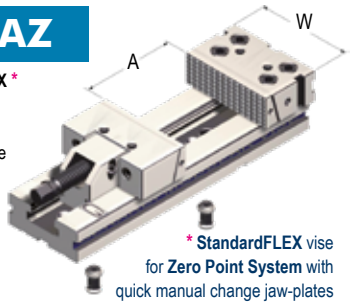
Art.	Pag.
376	4.35
380	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
605G1	4.22
605G2	4.22
605G3	4.22
801I	5.61
-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	96	121	146		171			
	B	28	38	48		58			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2
	Cod.	1.1A.Z1000	1.1A.Z2000	1.1A.Z3200	1.1A.Z3300	1.1A.Z4200	1.1A.Z4300	1.1A.Z4400	1.1A.Z4500

Art. 1AZ

Morsa **StandardFLEX** * per **Zero Point** con piastre ganasce a cambio rapido manuale

* Serraggi disassati lateralmente non possibili.



* **StandardFLEX** vise for **Zero Point System** with quick manual change jaw-plates

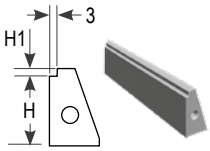
* Offset lateral clamping not possible

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 230E

Piastra ganascia intercambiabile
Interchangeable jaw plate

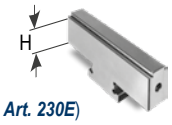
Vedi pagina 4.21 per altezze disponibili
See page 4.21 for available height



Cod.	4.23.0E101	4.23.0E201	4.23.0E301		4.23.0E401
H	23	33	43		53
H1	5	5	5		5

Art. 212

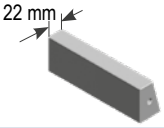
Ganascia mobile intermedia
(*da usare con **Art. 230E***)
Intermediate movable jaw (*to be used with **Art. 230E***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate

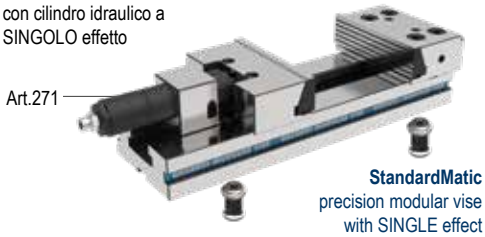


Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401

Art. 1AZE

NEW 2021

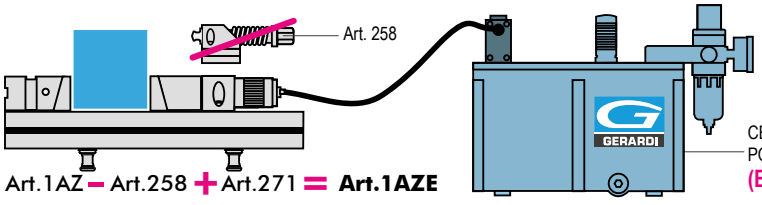
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

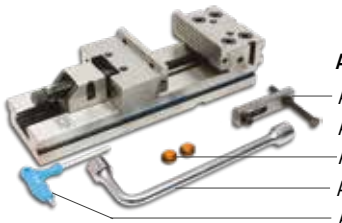
MORSE StandardMatic



Art.1AZ − Art.258 + Art.271 = **Art.1AZE**

Dotazione standard:

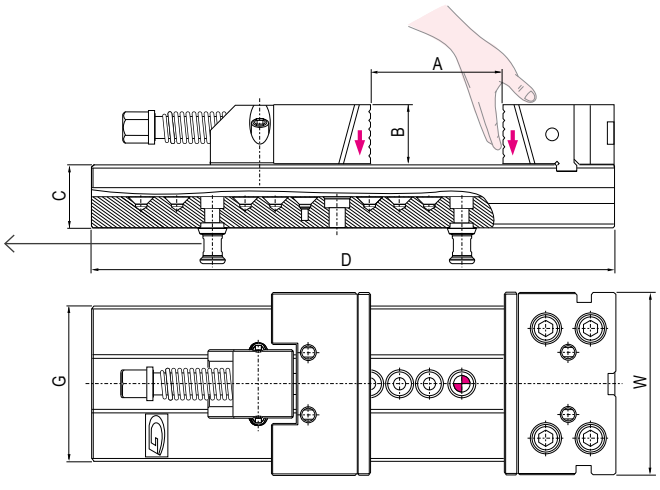
- 1 arresto laterale Art. 370
- 2 tiranti Art. 10A
- 2 tappi Art. 291
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376



Art. 1AZ
Art. 370
Art. 10A
Art. 291
Art. 375
Art. 376

Art. 10A





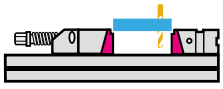
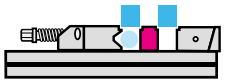
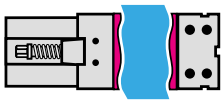
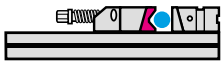
Standard equipment:

- 1 workstop Art. 370
- 2 pullstuds Art. 10A
- 2 inserts Art. 291
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			196						296			
B			63						78			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			200						300			
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1A.Z5200	1.1A.Z5300	1.1A.Z5400	1.1A.Z5500	1.1A.Z5600	1.1A.Z6200	1.1A.Z6300	1.1A.Z6400	1.1A.Z6500	1.1A.Z6600	1.1A.Z6700	1.1A.Z6800

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.23.0E501		4.23.0E601
Art. 230E			
H	53		68
H1	10		10
	1.21.25000		1.21.26000
Art. 212			
	4.23.0B501		4.23.0B601
Art. 230B			
	4.23.0F501		4.23.0F601
Art. 230F			

Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

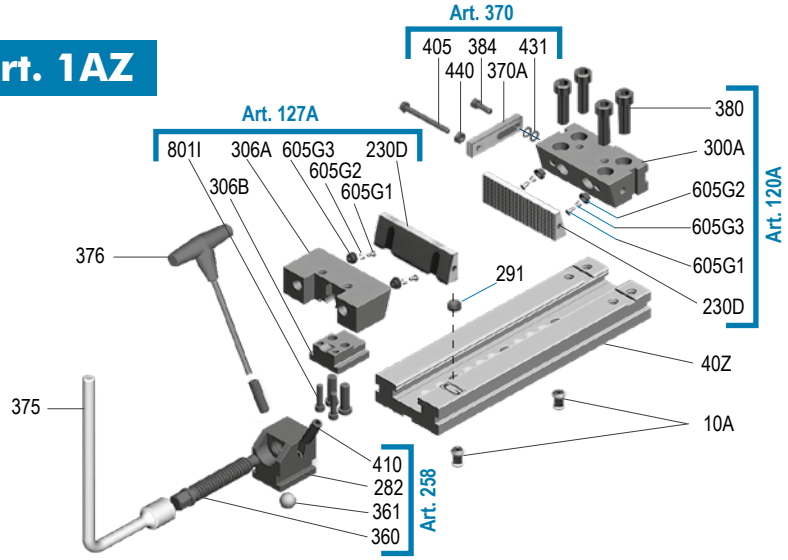
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 1AZ



Art.	Pag.
10A	9.31
40Z	1.24
230D	4.21
282	4.36
291	4.35
300A	4.30
306A	4.30
306B	4.30
360	4.36
361	4.36
370A	4.35
375	4.35

Art.	Pag.
376	4.35
380	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
605G1	4.22
605G2	4.22
605G3	4.22
801I	5.61
-	-

Tipo (grandezza) / Type (size)	1	2	3		4			
C	35	40	50		58			
D	270	345	420	520	455	555	655	755
G	75	95	125		145			
K	-	-	100		100			
N	2	3	3	4	3	4	5	6
U	111	111	122,5		129			
Z	100	100	100		100			
kg	3,8	7,3	15,1	18,7	20,6	25,2	29,7	34,5
Cod.	1.80.10270	1.80.20345	1.80.30420	1.80.30520	1.80.40455	1.80.40555	1.80.40655	1.80.40755

Art. 40

Slittone base serie **STD** senza alcuna dotazione



Vise base **STD** series supplied without any accessory

Versione normale: Cave da 16mm (**H7**) - Versione opzionale: Fori rettificati e calibrati con tolleranza **F7** - Extra per ogni foro calibrato (Tolleranza F7):

Art. 40A

Slittone base serie **StandardFLEX** senza alcuna dotazione

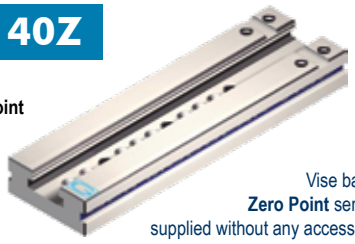


Vise base **StandardFLEX** series supplied without any accessory

kg	3,8	7,3	15,1	18,7	20,6	25,2	29,7	34,5
Cod.	1.40.A1000	1.40.A2000	1.40.A3200	1.40.A3300	1.40.A4200	1.40.A4300	1.40.A4400	1.40.A4500

Art. 40Z

Slittone base serie **Zero Point** senza alcuna dotazione



Vise base **Zero Point** series supplied without any accessory

ZZ	200	200	200	200	200	200	300	300
kg	4	8	15,5	19	21	25,5	30	35
Cod.	1.40.Z1000	1.40.Z2000	1.40.Z3200	1.40.Z3300	1.40.Z4200	1.40.Z4300	1.40.Z4400	1.40.Z4500

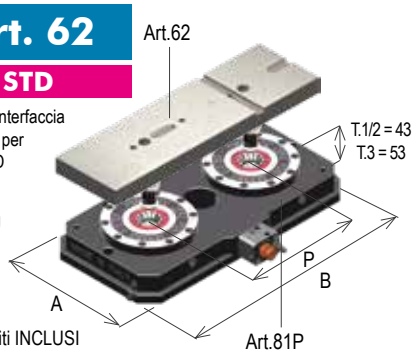
PIASTRE D'INTERFACCIA ZERO POINT PER MORSE STD

Art. 62

STD

Piastra di interfaccia Zero Point per morse STD

Zero Point connecting plate for STD vises



Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

C1	28	28	33		33			
UU	86	86	97,5	97,5	104	104	104	104
ZZ	200	200	200	250	200	250	200x2	200x2
kg	4,5	7,2	13,5	16,7	17	20,8	24,4	28,2
Cod.	1.62.11000	1.62.21500	1.62.32000	1.62.33000	1.62.42000	1.62.43000	1.62.44000	1.62.45000

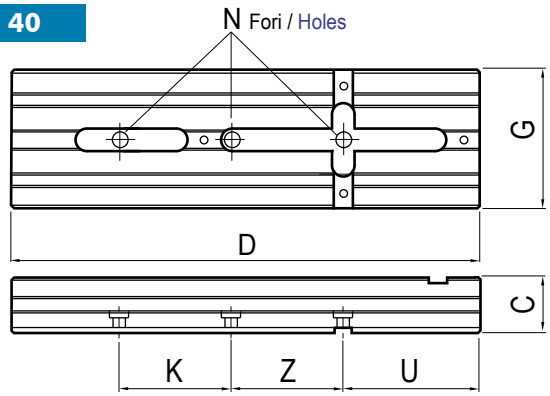
Art. 81P

NEW 2021

Piastra Zero Point in acciaio con montaggio incassato
Zero Point steel plate built-in mounting

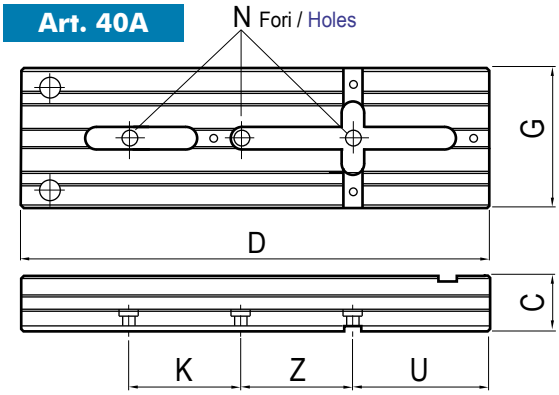
A	200	200	200	200	200	200	200	200
B	400	400	400	500	400	500	600	600
Art. 665	Tipo / Type 1	Tipo / Type T.2						
P	200	200	200	250	200	250	200x2	200x2
kg	31	29	29	35	29	35	42	42
Cod.	9.81.P12040S2	9.81.P2040S2	9.81.P2040S2	9.81.P2050S2	9.81.P2040S2	9.81.P2050S2	9.81.P2260S3	9.81.P2260S3

Art. 40



Versione normale: Cave da 16 mm (**H7**)
Normal version: 16 mm slots (**H7**)

Art. 40A



Versione normale: Cave da 16H7 e fori calibrati Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)
Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)

	5					6						
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
K			100						100			
N	2	3	4	5	6	4	5	6	7	8	9	10
U			145						152			
Z			100						100			
kg	32,6	39,2	45,8	52,5	59	47	56	65	74	83	61	100
Cod.	1.80.50495	1.80.50595	1.80.50695	1.80.50795	1.80.50895	1.80.60535	1.80.60635	1.80.60735	1.80.60835	1.80.60935	1.80.60035	1.80.60135

Normal version: 16mm slots (H7) - Optional version: Ground calibrated holes F7 tolerance - Extra for each calibrated hole (F7 Tolerance):

kg	32,6	39,2	45,8	52,5	59	47	56	65	74	83	91	100
Cod.	1.40.A5200	1.40.A5300	1.40.A5400	1.40.A5500	1.40.A5600	1.40.A6200	1.40.A6300	1.40.A6400	1.40.A6500	1.40.A6600	1.40.A6700	1.40.A6800

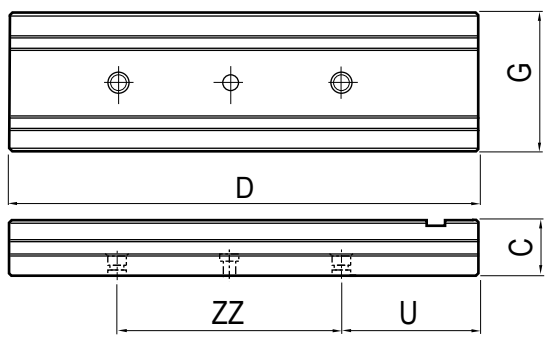
ZZ	200	200	300	300	300	300	300	300	300	300	300x2	300x2
kg	33	40	46	53	59	47	56	65	74	83	91	100
Cod.	1.40.Z5200	1.40.Z5300	1.40.Z5400	1.40.Z5500	1.40.Z5600	1.40.Z6200	1.40.Z6300	1.40.Z6400	1.40.Z6500	1.40.Z6600	1.40.Z6700	1.40.Z6800

ZERO POINT CONNECTING PLATES FOR STD VISES

C1			38						38			
UU			120						127			
ZZ	250	200	200x2	300x2	300x2	250	200x2	200x2	300x2	300x2	400x2	400x2
kg	25	30	35	40	45	31	36,7	42,5	48,3	54	59,8	65,6
Cod.	1.62.52000	1.62.53000	1.62.54000	1.62.55000	1.62.56000	1.62.62000	1.62.63000	1.62.64000	1.62.65000	1.62.66000	1.62.67000	1.62.68000

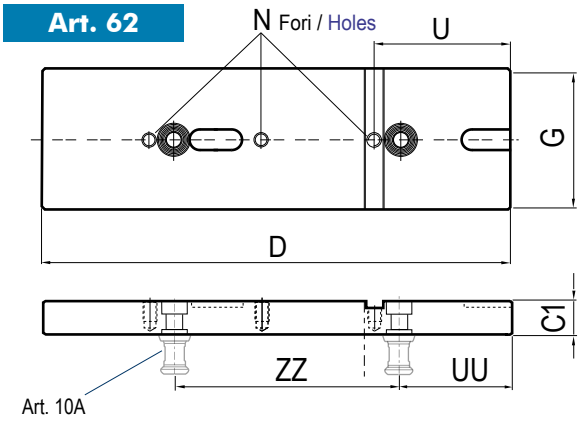
A	200	200	200	200	200	200	200	200	200	200	200	200
B	500	400	600	800	800	500	600	600	800	800	1000	1000
Art. 665	Tipo / Type T.2					Tipo / Type 3						
P	250	200	200x2	300x2	300x2	250	200x2	200x2	300x2	300x2	400x2	400x2
kg	35	29	42	59	59	41	48	48	68,5	68,5	81,5	81,5
Cod.	9.81.P2050S2	9.81.P2040S2	9.81.P2260S3	9.81.P22080S3	9.81.P22080S3	9.81.P32050S2	9.81.P32060S3	9.81.P32060S3	9.81.P32080S3	9.81.P32080S3	9.81.P320100S3	9.81.P320100S3

Art. 40Z



Versione normale: 2 o 3 fori filettati per tiranti Art. 10A - Tipo 2
Normal version: 2-3 holes threated for pull studs Art. 10A - Type 2

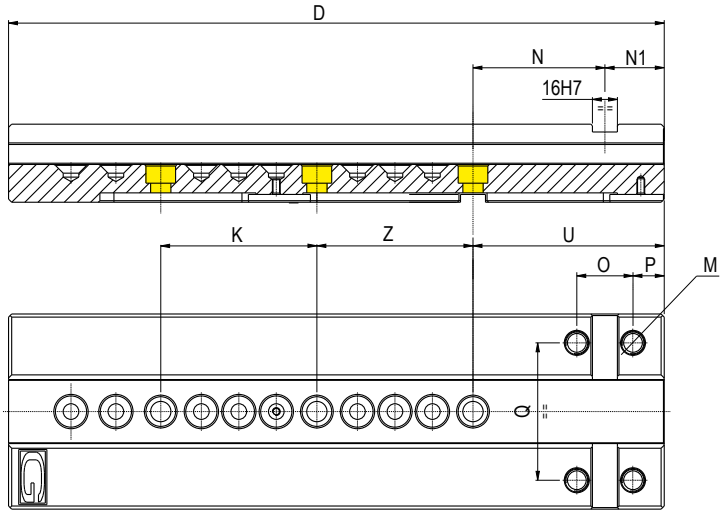
Art. 62

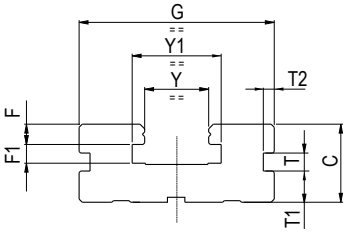


Tipo (grandezza) morsa / Vise type (size)		**1**	**2**	**3**		**4**			
Tolleranza / Tolerance									
- 0,02	C	35	40	50		58			
-	D	270	345	420	520	455	555	655	755
- 0,02	F	10	12	13		15			
+ 0,02	F1	10	10	12		18			
-0,02	G	75	95	125		145			
+0,02	Y	21	28	41		51			
-	Y1	31	41	57		70			
-	M	M10	M12	M14		M16			
-	N	76	76	84,5		89			
-	N1	35	35	38		40			
-	O	32	32	36		36			
-	P	19	19	20		22			
-	Q	50	62	88		100			
-	T	9,5	9,5	11,5		11,5			
-	T1	15	15	20		20			
-	T2	5	5	7		7			
-	U	111	111	122,5		129			
-	K	-	-	100		100			
-	Z	100	100	100		100			

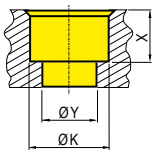
Art. 40

Slittone base serie **STD** / Vise base **STD** series





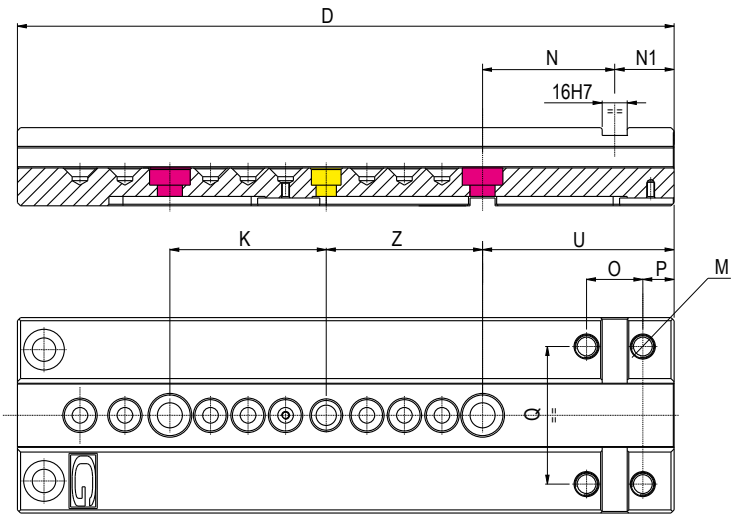
Dettaglio foro per vite TCEI / TCEI screw hole details

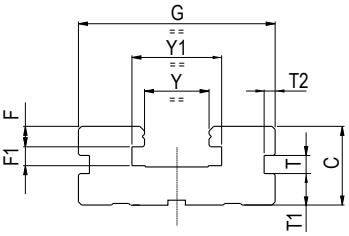


Type	1	2	3	4	5	6
X	4,5	5,5	8	8	17	17
Ø Y	6,5	8,5	13	13	17	17
Ø K	10,5	13,5	19	19	26	26

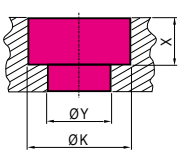
Art. 40A

Slittone base serie **StandardFLEX** / Vise base **StandardFLEX** series





Dettaglio foro per vite calibrata / Calibrated screw hole details

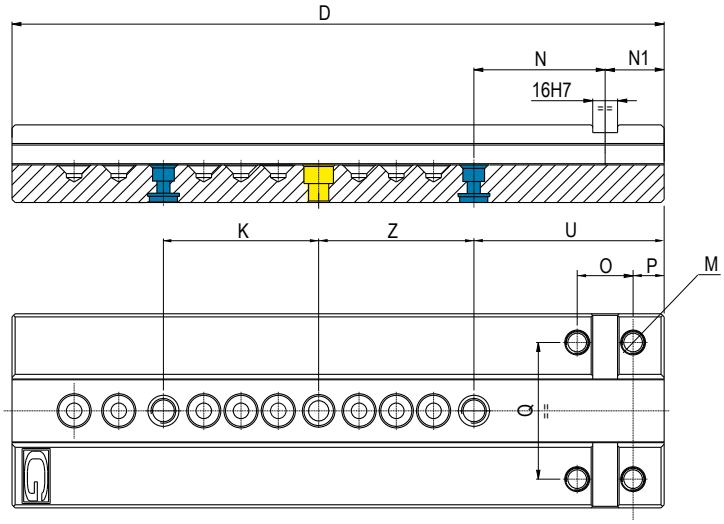


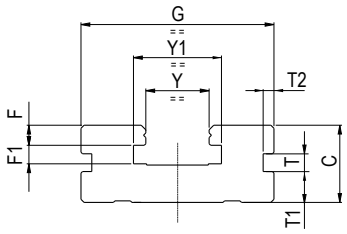
Type	1	2	3	4	5	6
X	4,5	11				
Ø Y	8F7	16F7				
Ø K	13,5	25				

	5					6						
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
F			20						20			
F1			18						18			
G			170						195			
Y			61						71			
Y1			80						91			
M			M20						M20			
N			100						107			
N1			45						45			
O			44						44			
P			23						23			
Q			120						133			
T			17,5						17,5			
T1			26						26			
T2			10						10			
U			145						152			
K			100						100			
Z			100						100			

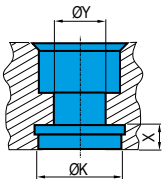
Art. 40Z

Slittone base serie **ZERO POINT** / Vise base **ZERO POINT** series



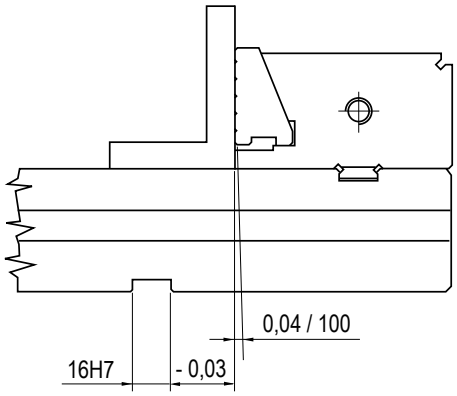


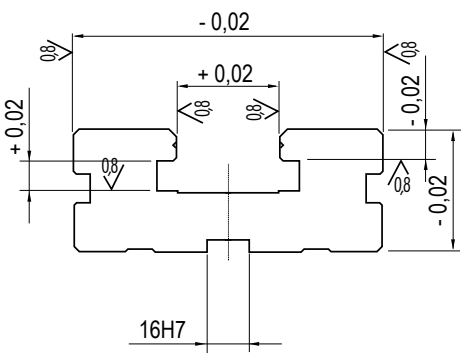
Dettaglio foro per Zero Point / Zero Point hole details



Type	1	2	3	4	5	6
X				6		
Ø Y				13		
Ø K				20		

Tolleranze generiche per morse **XL** / **XL** vise generic tolerances

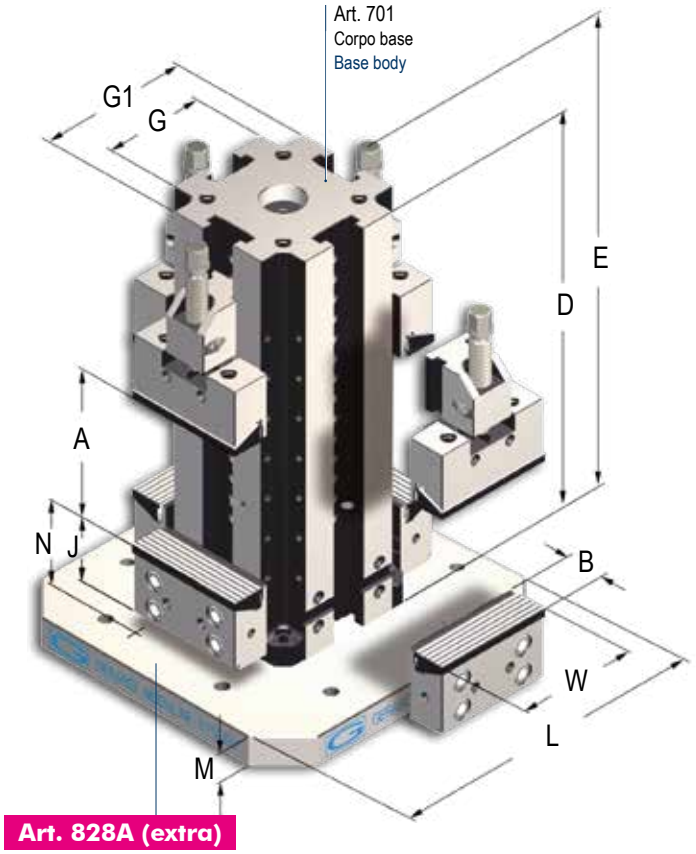




Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	
	A	80	130
	W	100	
	B	30	
	D	250	300
	E	300	350
	G	75	
	G1	120	
	J	77,9	
	L	300	
	M	33	
	N	85	
	kg	37	42
	Cod.	3.70.00801	3.70.01301

Art. 700

Cubomorsa modulare standard in **monoblocco**
Standard modular vise tower in **solid body**



Dotazione standard:

- 4 arresti laterali Art. 370
- 2 coppie di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376

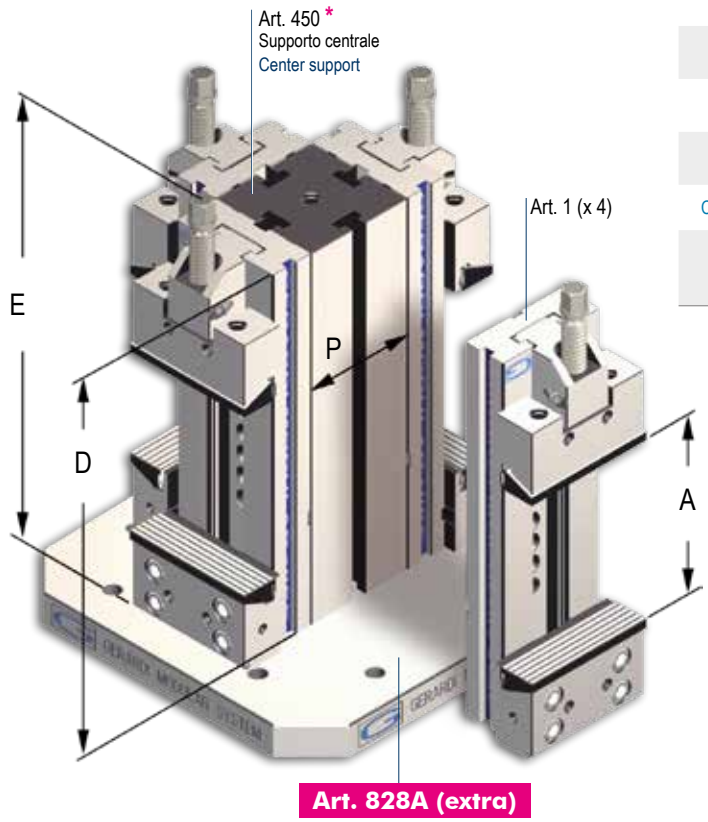
Standard equipment:

- 4 workstops Art. 370
- 2 pairs of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 "T"- wrench Art. 376

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN
Apertura massima / Maximum spread	A	100
	D	270 *
	E	320
	P	75 *
	kg	10
	Cod.	1.75.01000

Art. 750

Morse standard montate verticalmente
N° 4 morse STD **Art. 1**+ N° 1 **Art. 450**
Standard vises vertically mounted
N° 4 vises STD **Art. 1**+ N° 1 **Art. 450**



Dotazione standard:

- 4 arresti laterali Art. 370
- 2 coppie di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376

Standard equipment:

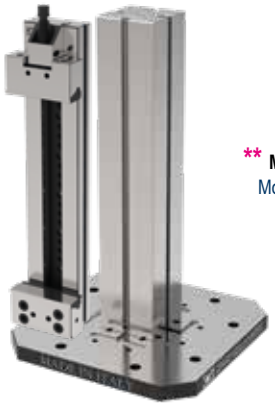
- 4 workstops Art. 370
- 2 pairs of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 "T"- wrench Art. 376

	2 25 kN		3 30 kN			4 30 kN				5 40 kN	6 40 kN
A	155	205	170	270	370	145	245	345	445	-	-
W	125		150			175				200	300
B	40		50			60				-	-
D	350	400	400	500	600	400	500	600	700	-	-
E	430	480	470	570	670	475	575	675	775	-	-
G	95		125			145				170	195
G1	160		190			230				*	*
J	77,9		89,4			96,9				*	*
L	350		400			450				*	*
M	33		38			38				-	-
N	85		102			111				-	-
kg	83	96	137	160	183	197	230	263	296	-	-
Cod.	3.70.01552	3.70.02052	3.70.01803	3.70.02803	3.70.03803	3.70.01454	3.70.02454	3.70.034 54	3.70.04454	-	-

* Altre dimensioni a richiesta / Other dimensions on request

	2 25 kN	3 30 kN		4 30 kN				5 40 kN			6 40 kN		
A	150	200	300	200	300	400	500	200	300	400	300	400	500
D	345 *	420	520	455	555	655	755	495	595	695	635	735	835
E	345	450	550	455				-			-		
P	95 *	125		145				170			195		
kg	19	46		68				98			145		
Cod.	1.75.02000	1.75.03200	1.75.03300	1.75.04200	1.75.04300	1.75.04400	1.75.04500	1.75.05200	1.75.05300	1.75.05400	1.75.06300	1.75.06400	1.75.06500

* Altre dimensioni a richiesta / Other dimensions on request

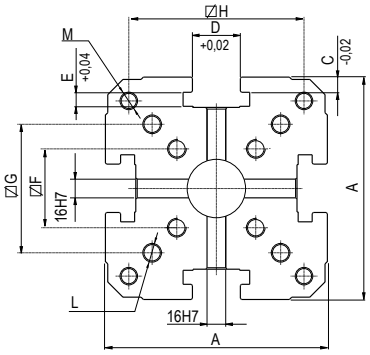


** **Montaggio e allineamento ESCLUSI**
Mounting and alignement EXCLUDED

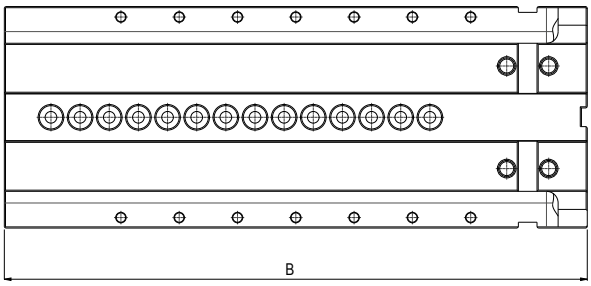


Tipo (grandezza) / Type (size)





Art. 701



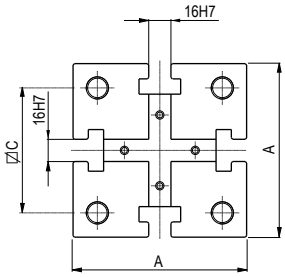
Senza alcuna dotazione
Without accessory equipment

Art. 701

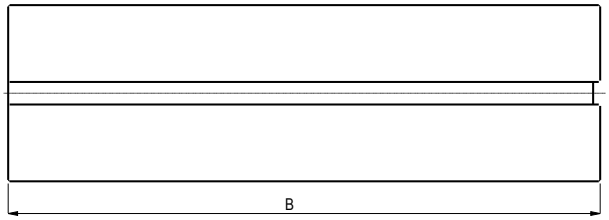
Corpo slittone standard
Body for standard vise tower

Tipo (grandezza) / Type (size)





Art. 450



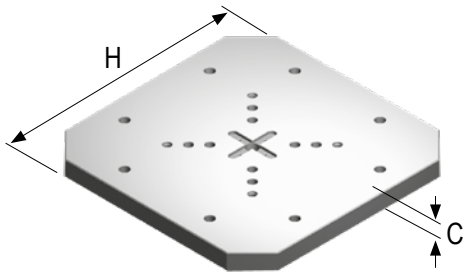
Senza alcuna dotazione
Without accessory equipment

Art. 450

Supporto centrale per montaggio morse modulari standard in verticale. Dolce.

Center support for vertical arrangement of standard modular vises. Soft.

Tipo (grandezza) / Type (size)



Art. 828A

STD

Piastra base per cubo-morsa personalizzata
(Bussola di centraggio Art. 852 compresa)

Head plate for vise-tower tailor made
(Centering bushing Art. 852 included)

	1		2		3			4				5	6
A	120		160		190			200				*	*
B	250	300	350	400	400	500	600	400	500	600	700	*	*
C	10		12		13			15				20	20
D	21		28		41			51				61	71
E	10		10		12			18				18	18
F	40		54		70			80				80	
G	70		84		110			134				134	
H	-		120		150			200				210	
L	M12		M16		M16			M20				M20	*
M	-		Ø 13		Ø 13			Ø 13				Ø 13	
kg	25	30	64	73	92	115	138	135	168	200	232	*	
Cod.	1.70.10801	1.70.11301	1.70.11552	1.70.12052	1.70.11803	1.70.12803	1.70.10803	1.70.11454	1.70.12454	1.70.13454	1.70.14454	*	

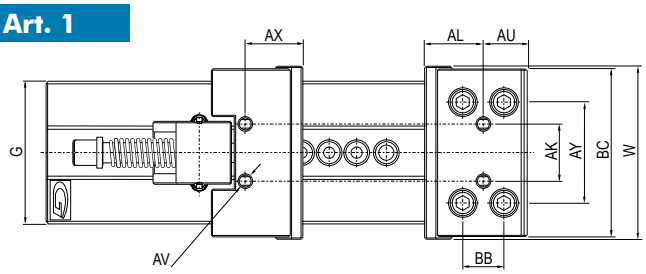
*A richiesta / On request

	1	2	3		4				5			6		
A	75	95	125		145				170			195		
B	270	345	420	520	455	555	655	755	495	595	695	635	735	835
C	50	60	90		110				110			*		
D	M12	M16	M16		M16				M20			*		
kg	10	19	46		68				98			145		
Cod.	1.45.01000	1.45.02000	1.45.03420	1.45.03520	1.45.04455	1.45.04555	1.45.04655	1.45.04755	1.45.05495	1.45.05595	1.45.05695	1.45.06635	1.45.06735	1.45.06835

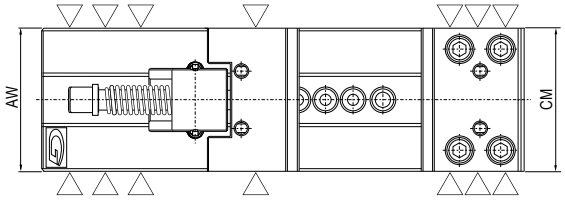
*A richiesta / On request

	1	2	3	4	5	6	7
C	33	33	38	38	38	38	38
H	300	350	400	450	500	630	800
kg	22	30	44,5	56,5	71	113	182
Cod.	1.82.8A100	1.82.8A200	1.82.8A300	1.82.8A400	1.82.8A500	1.82.8A600	1.82.8A700

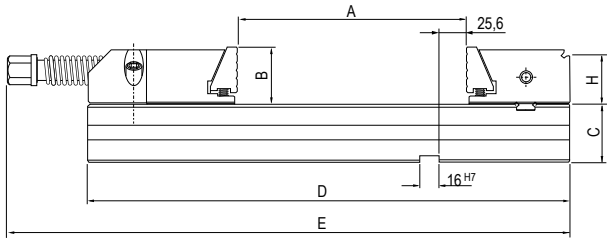
Art. 1



Art. 12



Art. 1+12



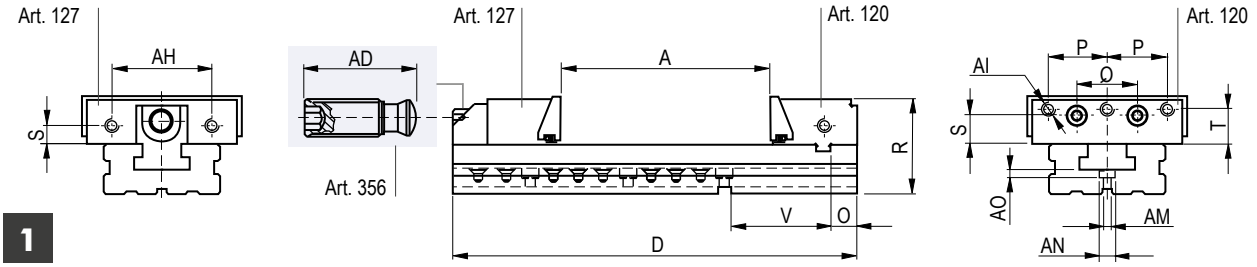
Tipo (grandezza) morsa / Vise type (size)

Tabella dimensionale / Table dimension

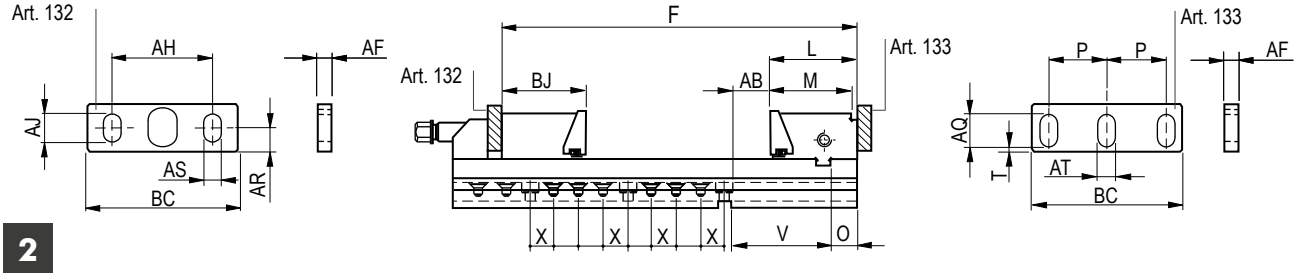
mm	1	2	3		4				5					6						
W	100	125	150		175				200					300						
A	100	150	200	300	200	300	400	500	200	300	400	500	600	200	300	400	500	600	700	800
B	30	40	50		60				65					80						
C	35	40	50		58				70					78						
D	270	345	420	520	455	555	655	755	495	595	695	795	895	535	635	735	835	935	1035	1135
E	320	425	500	600	530	630	730	830	580	680	780	880	980	630	730	830	930	1030	1130	1230
F	225	285	370	470	385	485	585	685	410	510	610	710	810	440	540	640	740	840	940	1040
G	75	95	125		145				170					195						
H	23	33	43		53				53					68						
I	55	70	110	160	110	160	210	260	105	165	205	265	305	115	165	215	265	315	365	415
J	34	50	70	104	70	104	137	170	67	107	134	174	200	74	107	140	174	207	240	274
K	124	174	226	326	226	326	426	526	236	336	436	536	636	236	336	436	536	636	736	836

mm	1	2	3	4	5	6	Tolleranza Tolerance
L	54	77.9	89.4	96.9	113.4	120.4	- 0.04
M	72.9	72.9	84.4	91.9	108.4	115.4	- 0.04
N	10	10	12	18	18	18	+ 0.02
O	27	27	30	32	37	37	± 0.02
P	38	50	62	72.5	83	120	
R	65	80	100	118	135	158	
S	18	23	29	37.5	37.5	47.5	
T	16	20.5	27.5	36.5	34	46	
U	111	111	122.5	129	145	152	
V	76	76	84.5	89	100	107	± 0.02
W	-	-	100	100	100	100	
X	20	25	25	25	33.33	33.33	
Y	21	28	41	51	61	71	+ 0.02
Z	100	100	100	100	100	100	
AA	10	12	13	15	20	20	- 0.02
AB	25.6	25.6	25.6	25.6	25.6	25.6	+ 0.02
AC	31	41	57	70	80	90	
AD	53	73	81	101	113	135	
AF	13	18	18	18	18	18	
AG	M10	M16	M16	M16	M20	M20	
AH	62	80	90	116	138	184	
AI	M10	M10	M12	M12	M12	M12	
AJ	14	19	24	29	31.5	39	
AK	38	38	50	50	76	240	
AX	25,6	42,4	50,1	55,4	66,4	73,4	
AL	42.4	42.4	50.9	55.4	66.4	73.4	
AM	4.5	5.5	12.5	12.5	17	17	
AN	10	13	19	19	25	25	

mm	1	2	3	4	5	6	Tolleranza Tolerance
AO	4.5	5.5	12.5	12.5	17	17	
AP	15	15	20	20	26	26	
AQ	16	18	26	26	29	30	
AR	18	24	26	34	31	38	
AS	11	17	17	17	21	21	
AT	11	11	13	13	13	17	
AU	35.5	35.5	38.5	41.5	47	47	
AV	M8	M10	M12	M12	M16	M16	
AW	75	95	125	145	170	195	
AX	20	23	28	28	34	38	
AY	50	62	88	100	120	133	
AZ	M10	M12	M14	M16	M20	M20	
BB	32	32	36	36	44	44	
BC	96	121	146	171	196	296	
BG	28	38	48	58	63	78	
BJ	50	60	80	90	100	120	
BL	180	225	290	320	370	400	
BM	9.5	9.5	11.5	11.5	17.5	17.5	
CC	77	77	88.5	96	112	117	
CD	48	58	78	88	98	117	
CE	5	5	5	5	5	5	
CF	-	-	64	64	71	-	
CG	-	-	100	100	128	-	
CH	5.5	8	11	17	17	24	
CI	24.5	32	39	43	48	56	
CJ	12	12	13	13	18	18	
CM	75	95	125	145	170	195	



1



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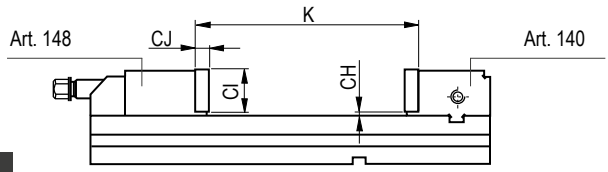

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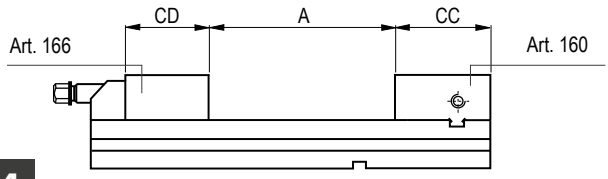

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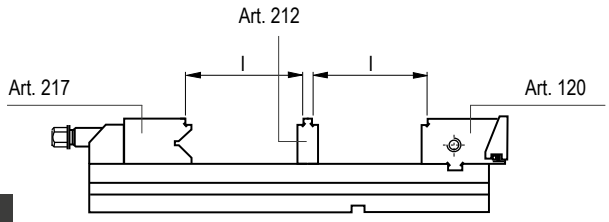

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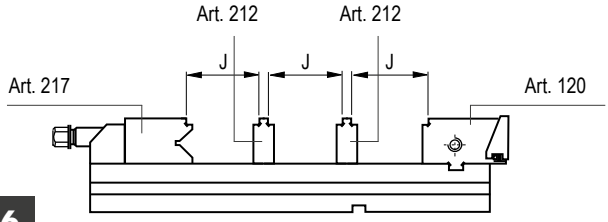

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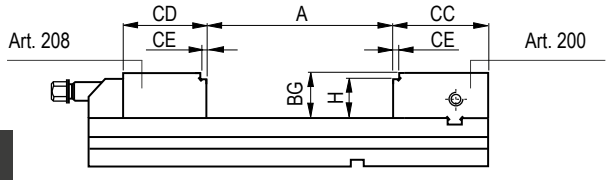
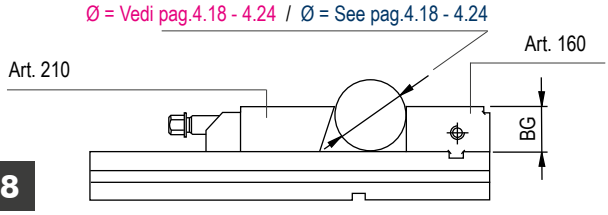


7

Ø = Vedi pag.4.18 - 4.24 / Ø = See pag.4.18 - 4.24



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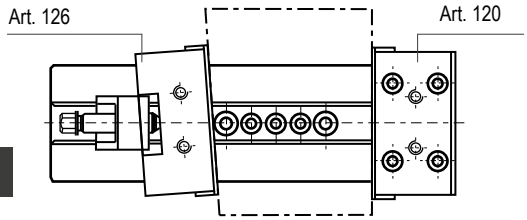

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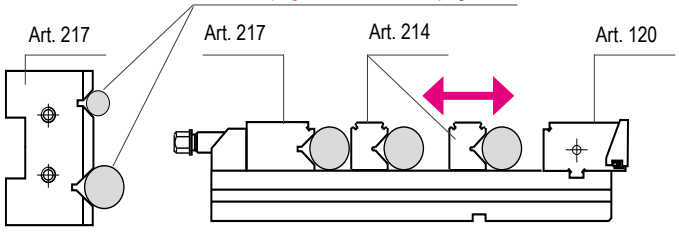
Ø = Vedi pag. 4.24 / Ø = See pag. 4.24



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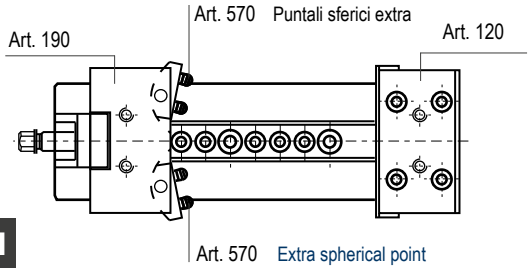

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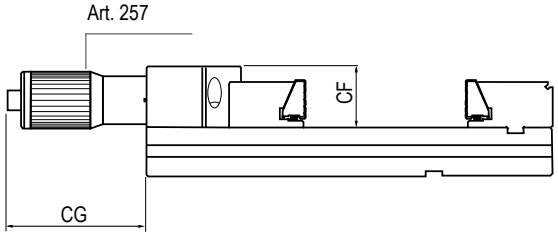
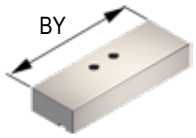
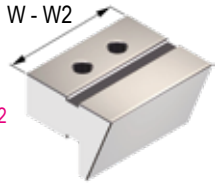
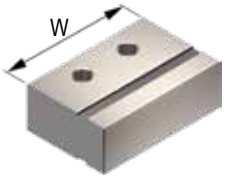
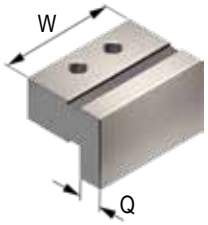
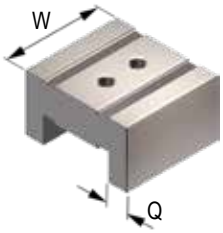
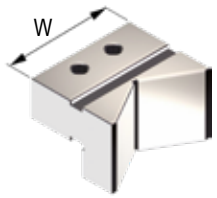
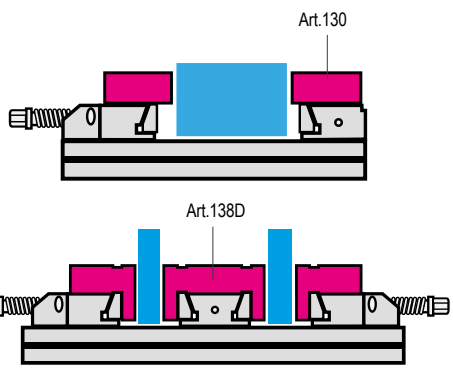


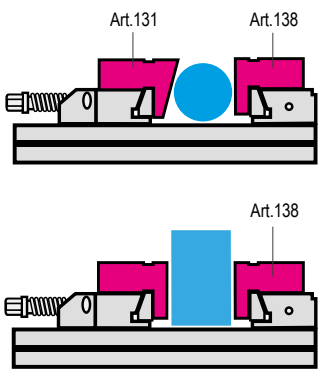
12

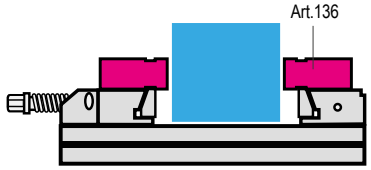
Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Ganascia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable **Art. 130*** **Art. 130S*** *Extra large / Extra width* * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 130 Cod. Art. 130S	2.13.01000 2.13.0S100	2.13.02000 2.13.0S200	2.13.03000 2.13.0S300	2.13.04000 2.13.0S400	2.13.05000 2.13.0S500	2.13.06000 2.13.0S600
Ganascia sovrapponibile per pezzi tondi fissa o mobile Stack-type jaw round parts fixed or movable **Art. 131*** **Art. 131S*** *Larghezza normale / Normal width* **Art. 131A*** **Art. 131AS*** W2 *Larghezza super ridotta / Super narrow width* * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 131 Cod. Art. 131A Cod. Art. 131S Cod. Art. 131AS	2.13.11000 2.13.1A100 2.13.1S100 2.13.1AS10	2.13.12000 2.13.1A200 2.13.1S200 2.13.1AS20	2.13.13000 2.13.1A300 2.13.1S300 2.13.1AS30	2.13.14000 2.13.1A400 2.13.1S400 2.13.1AS40	2.13.15000 2.13.1A500 2.13.1S500 2.13.1AS50	2.13.16000 2.13.1A600 2.13.1S600 2.13.1AS60
Ganascia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable **Art. 136*** **Art. 136S*** *Larghezza normale / Normal width* **Art. 137*** **Art. 137S*** *Larghezza super ridotta / Super narrow width* * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 136 Cod. Art. 137 Cod. Art. 136S Cod. Art. 137S	2.13.61000 2.13.71000 2.13.6S100 2.13.7S100	2.13.62000 2.13.72000 2.13.6S200 2.13.7S200	2.13.63000 2.13.73000 2.13.6S300 2.13.7S300	2.13.64000 2.13.74000 2.13.6S400 2.13.7S400	2.13.65000 2.13.75000 2.13.6S500 2.13.7S500	2.13.66000 2.13.76000 2.13.6S600 2.13.7S600
Ganascia a squadra sovrapponibile fissa o mobile Square stack-type jaw fixed or movable **Art. 138*** **Art. 138S*** *Larghezza normale / Normal width* **Art. 139*** **Art. 139S*** *Larghezza super ridotta / Super narrow width* * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 138 Cod. Art. 139 Cod. Art. 138S Cod. Art. 139S	2.13.81000 2.13.91000 2.13.8S100 2.13.9S100	2.13.82000 2.13.92000 2.13.8S200 2.13.9S200	2.13.83000 2.13.93000 2.13.8S300 2.13.9S300	2.13.84000 2.13.94000 2.13.8S400 2.13.9S400	2.13.85000 2.13.95000 2.13.8S500 2.13.9S500	2.13.86000 2.13.96000 2.13.8S600 2.13.9S600
Ganascia a squadra sovrapponibile doppia Double square jaw stack-type **Art. 138D*** **Art. 138DS*** *Larghezza normale / Normal width* **Art. 139D*** **Art. 139DS*** *Larghezza super ridotta / Super narrow width* * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 138D Cod. Art. 139D Cod. Art. 138DS Cod. Art. 139DS	2.13.8D100 2.13.9D100 2.13.8DS10 2.13.9DS10	2.13.8D200 2.13.9D200 2.13.8DS20 2.13.9DS20	2.13.8D300 2.13.9D300 2.13.8DS30 2.13.9DS30	2.13.8D400 2.13.9D400 2.13.8DS40 2.13.9DS40	2.13.8D500 2.13.9D500 2.13.8DS50 2.13.9DS50	2.13.8D600 2.13.9D600 2.13.8DS60 2.13.9DS60
Ganascia prismatica sovrapponibile fissa o mobile Stack-type prismatic jaw fixed or movable **Art. 150*** **Art. 150S*** *Larghezza normale / Normal width* **Art. 150A*** **Art. 150AS*** *Larghezza super ridotta / Super narrow width* * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 150 Cod. Art. 150A Cod. Art. 150S Cod. Art. 150AS	1.15.01000 1.15.0A100 1.15.0S100 1.15.0AS10	1.15.02000 1.15.0A200 1.15.0S200 1.15.0AS20	1.15.03000 1.15.0A300 1.15.0S300 1.15.0AS30	1.15.04000 1.15.0A400 1.15.0S400 1.15.0AS40	1.15.05000 1.15.0A500 1.15.0S500 1.15.0AS50	1.15.06000 1.15.0A600 1.15.0S600 1.15.0AS60

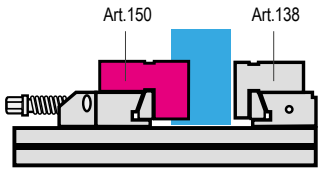
Versione "S" in acciaio lavorabile / "S" type in soft steel

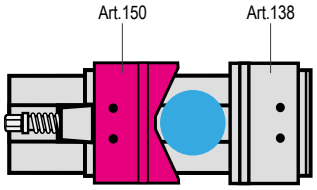
Esempi applicativi - Application examples:





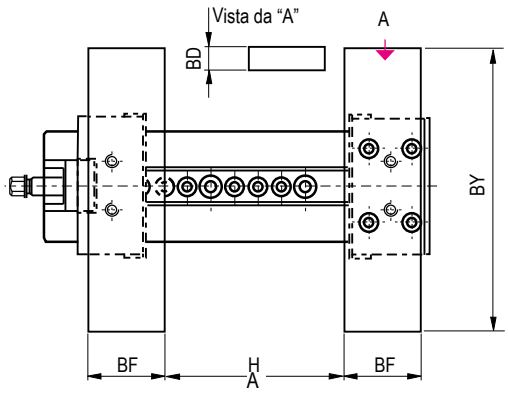






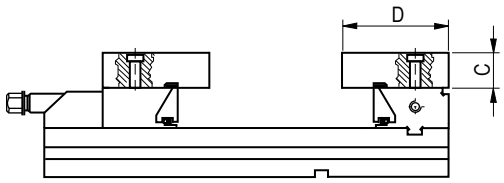
Art. 130

Temprate o in acciaio lavorabile
Hardened or soft



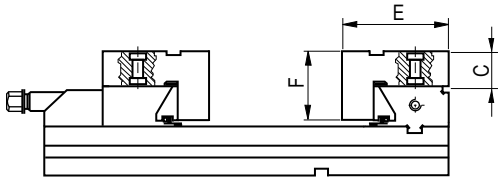
Art. 136/137

Temprate o in acciaio lavorabile
Hardened or soft



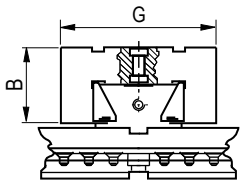
Art. 138/139

Temprate o in acciaio lavorabile
Hardened or soft



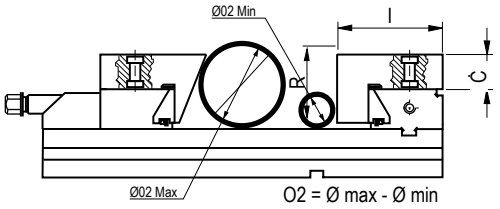
Art. 138D/139D

Temprate o in acciaio lavorabile
Hardened or soft



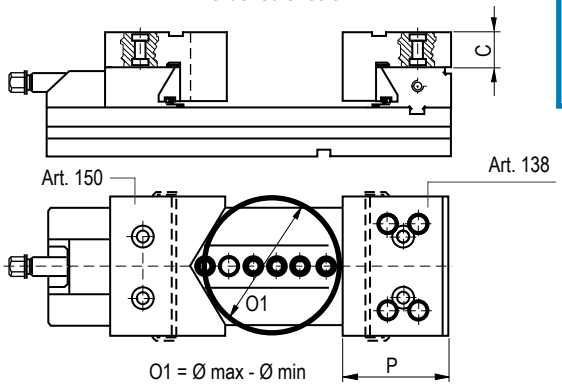
Art. 131/131A

Temprate o in acciaio lavorabile
Hardened or soft



Art. 150/150A

Temprate o in acciaio lavorabile
Hardened or soft

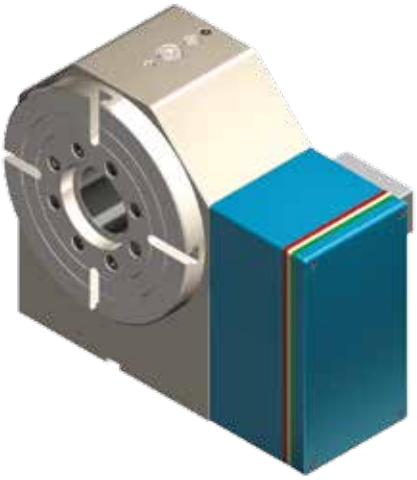


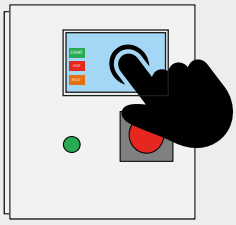
Tipo (grandezza) morsa / Vise type (size)	mm	1	2	3	4	5	6
	C	32	42	52	62	67	82
	D	84	84	105	130	130	150
	E	80	88	105	110	130	135
	F	57	70	90	110	128	150
	G	110	110	162	171	192,8	190
	I	95	95	123	136	170	206
	BD	32	42	52	62	72	82
	BF	80	84	105	120	128	135
	BY	200	250	300	350	400	600
	P	84	120	120	140	175	206
	R	60	78	90	110	128	150
	W	96	121	146	171	196	296
	W2	74	94	124	144	169	194
	Q	30	30	30	30	30	30
Art. 131	Ø2 min	33	43	49	60	70	
	Ø2 max		100	130	160	180	220
Art. 150	Ø1 min	24,5	32,5	35,5	38,5	51	72,5
	Ø1 max	89	111	244	274	375.5	536

DIVISORE AUTOMATICO DPG 250
AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

DPG 250





PROGRAMMAZIONE **TOUCH SCREEN**
FACILE ED INTUITIVA O TRAMITE COLLEGAMENTO DIRETTO AL CNC

EASY AND INTUITIVE **TOUCH SCREEN**
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

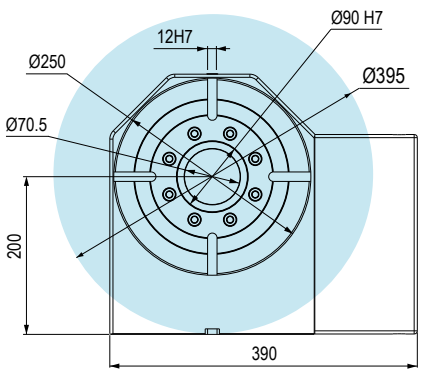
- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento assiale
- Completa tenuta stagna ai liquidi con possibilità di pressurizzazione
- Possibilità di montare motori di tutte le marche
- Dimensioni esterne contenute
- Finestra di controlli liquidi e condensa
- Lavorazione in posizionamento a 360°

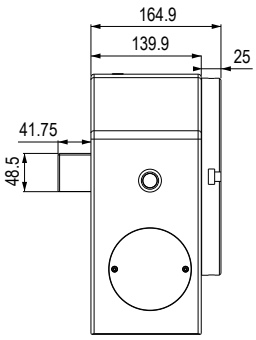
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization
- Possibility to mount motors of all brands
- Reduced external dimensions
- Condensation and liquid control window
- 360° work positioning

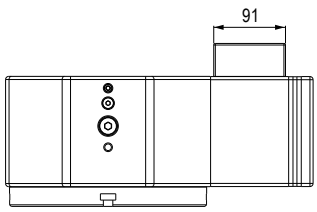
Dati tecnici
Technical Data

Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Cleareance hole diameter		70,5 mm
Altezza punte Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		Idraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
Motore Servo motor		3000 Max.g/min
Minimo incremento Minimum increment		0,002
Velocità di rotazione Rotation speed		33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)		1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)		1/180
Precisione Indexing accuracy		±10 Sec.
Ripetibilità Repeatability		4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical	Kg.550
	Orizzontale Horizontal	Kg.1500
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DP.G2500

DPG 250

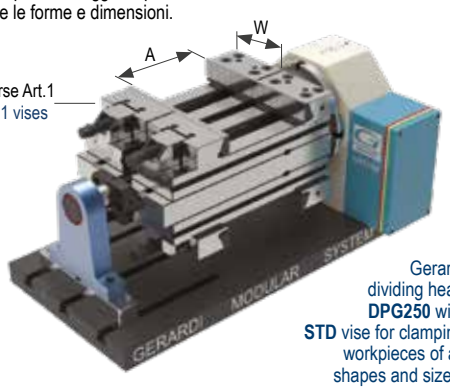






Tipo (grandezza) / Type (size) **Montaggio** / Mounting		**1** **Double**	**2** **Double**	**3** **Double**		**4** **Double**			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	96	121	146		171			
	B	28	38	48		58			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2
	Cod.	1.DP.G25000	1.DP.G25010	1.DP.G25020	1.DP.G25030	1.DP.G25040	1.DP.G25050	1.DP.G25060	1.DP.G25070

Divisore Gerardi **PG250** con morse **STD** per il serraggio di particolari di tutte le forme e dimensioni.



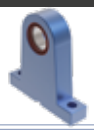
Gerardi dividing head **DPG250** with **STD** vise for clamping workpieces of all shapes and sizes.

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.	7.99.A1000

Art. 99B

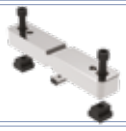
Perno di centraggio completo di sistema d'allineamento
Horizontal centering pin with alignement system



Cod.	1.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod.	1.99.H1000

Art. 62K
DPG 250

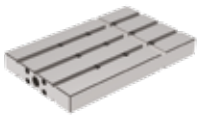
Piastra di interfaccia per cubo STD completa di sistema d'allineamento
Connecting plate with alignement systemfor STD



Cod.	1.62.KDPG25

Art. 99T

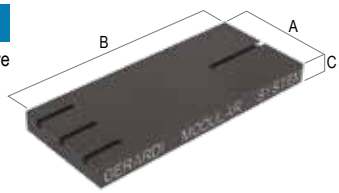
Sovratavola per divisore
Head-plate for dividing head



Cod.	1.99.T1000	1.99.T2000	1.99.T3200	1.99.T3300	1.99.T4200	1.99.T4300	1.99.T4400	1.99.T4500

Art. 99S

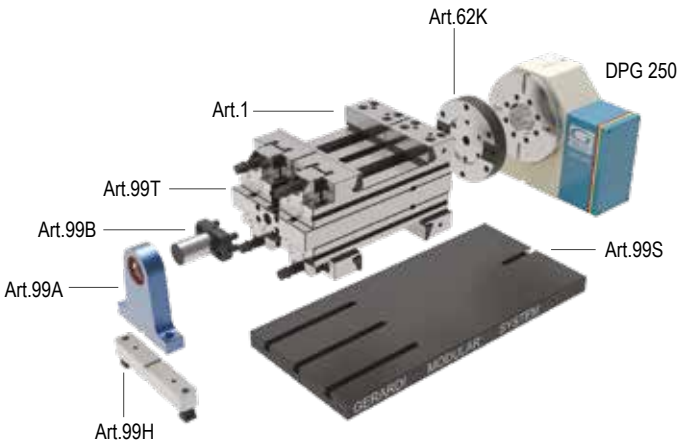
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground

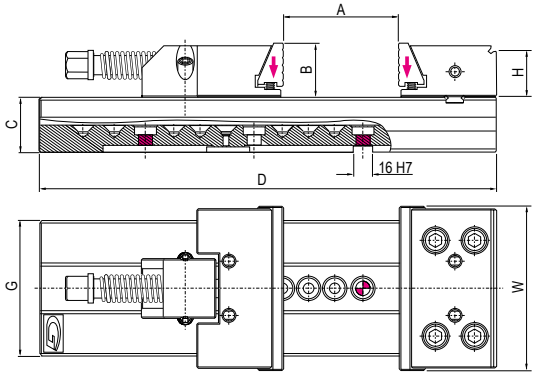


Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
600	400	50	94	7.99.S060S	
750	400	50	117	7.99.S075S	
900	400	50	141	7.99.S090S	
1100	400	50	172	7.99.S110S	

Cave o fori calibrati su richiesta
Slot or calibrated holes on request

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm





Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

DIVISORE MECCANICO DIVIGER 205
MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DIVIGER 205



Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Cleareance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione Indexing accuracy	±10 Sec.
Coppia in lavoro Driving torque	3000 Nm
Kg	93
Cod.	7.66.73000

DIVISORE MECCANICO, SENZA CAVI O IDRAULICA, PERMACCHINE A CNC

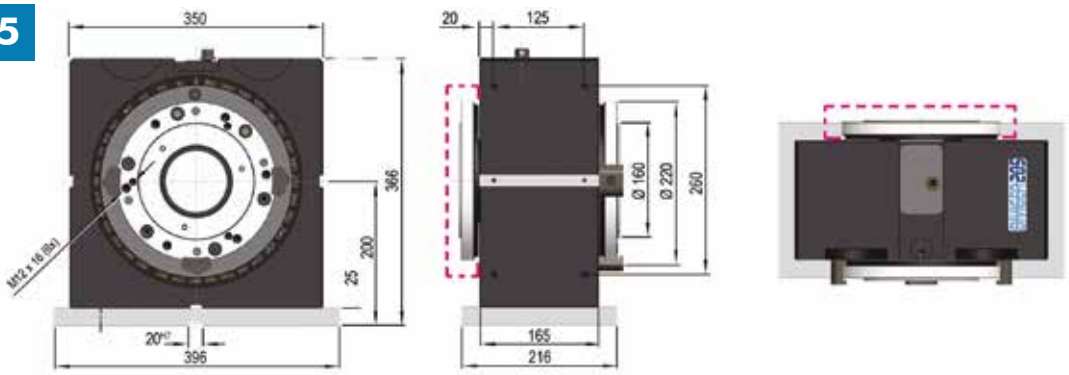
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES OR HYDRAULIC, FOR CNC MILLING MACHINE

- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta
- Lavorazione a barra grazie al mandrino cavo
- Utilizzabile orizzontalmente o verticalmente
- Cambio tramite serraggio a cuneo

- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due to hollow spindle
- To be used horizontaly or vertically
- Quick change through wedge clamping

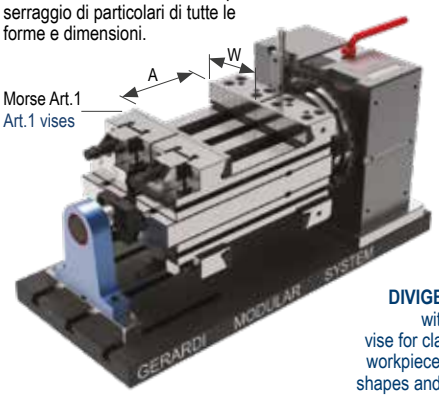


DIVIGER 205



Tipo (grandezza) / Type (size)		1 Double	2 Double	3 Double		4 Double			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	96	121	146		171			
	B	28	38	48		58			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	Cod.	1.DI.V20500	1.DI.V20510	1.DI.V20520	1.DI.V20530	1.DI.V20540	1.DI.V20550	1.DI.V20560	1.DI.V20570

DIVIGER 205 con morse **STD** per il serraggio di particolari di tutte le forme e dimensioni.



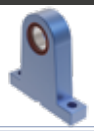
DIVIGER 205 with **STD** vise for clamping workpieces of all shapes and sizes.

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.	7.99.A1000

Art. 99B

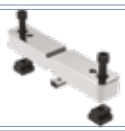
Perno di centraggio completo di sistema d'allineamento
Horizontal centering pin with alignement system



Cod.	1.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod.	1.99.H1000

Art. 62K

DIVIGER 205

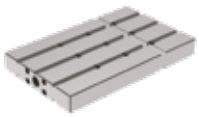
Piastra di interfaccia per cubo STD completa di sistema d'allineamento
Connecting plate with alignement systemfor STD



Cod.	1.62.KDIV205

Art. 99T

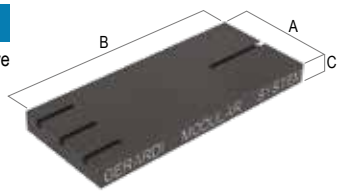
Sovratavola per divisore
Head-plate for dividing head



Cod.	1.99.T1000	1.99.T2000	1.99.T3200	1.99.T3300	1.99.T4200	1.99.T4300	1.99.T4400	1.99.T4500

Art. 99S

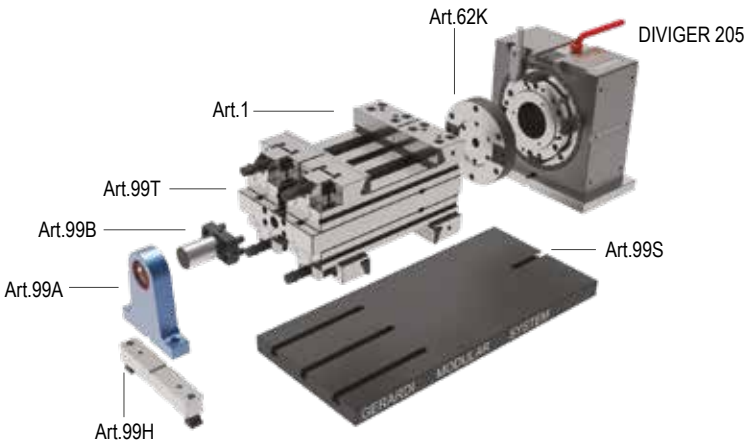
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground

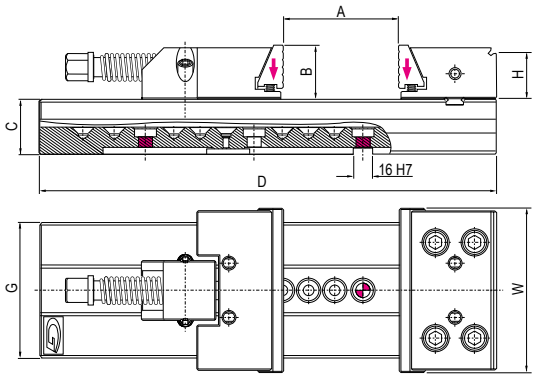


Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
600	400	50	94	7.99.S060S	
750	400	50	117	7.99.S075S	
900	400	50	141	7.99.S090S	
1100	400	50	172	7.99.S110S	

Cave o fori calibrati su richiesta
Slot or calibrated holes on request

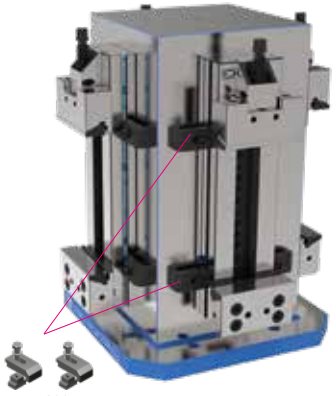
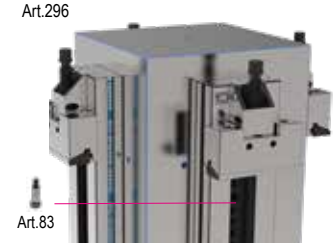
Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm





Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

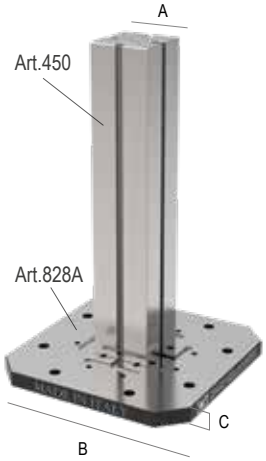
PREDISPOSIZIONE e MONTAGGIO MORSE su CUBI LAVORATI
TOMBSTONES SET-UP and VISES MOUNTING on MACHINED TOMBSTONES

Cubo lavorato Art.53C Machined cube Art.53C	**Tipo di morsa** Vise type	**Predisposizione e montaggio*** Set-up & Mounting*	**Cubo con morse** Cube with vises
Cod. 8.53.C00171 Dim. A=350 / B=500 / H=700	Art.1 Tipo 4x300	Per morsa / each vise	
			 
	n°morse Vises n° **x 4**	Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni morsa. Amount needed for the set-up of each side and mounting + alignement of each vise on it.	

* Predisposizione 4 facce, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
4 Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

MONTAGGIO MORSE in VERTICALE su SUPPORTO CENTRALE
VISE VERTICAL MOUNTING on CENTRAL SUPPORT

Art.450 + Art 828A	**Tipo di morsa** Vise type	**Montaggio e allineamento*** Mounting & alignment*	**Cubo con morse** Cube with vises
Art.450 Cod. 1.45.03520 Dim. A=125 / H=520 Art.828A Cod. 1.82.8A300 Dim. B=400 / C=38	Art.1 Tipo 3x300	Per morsa / each vise	Art.750 Tipo 3x300
			
	n°morse Vises n° **x 4**		

* Montaggio e allineamento 4 morse incluso di viti, chiavette, staffe e quant'altro necessario.
4 vises mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA
ALIGNEMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE

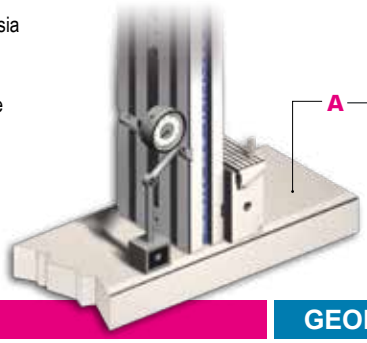
Libretto Istruzioni / Instruction Book

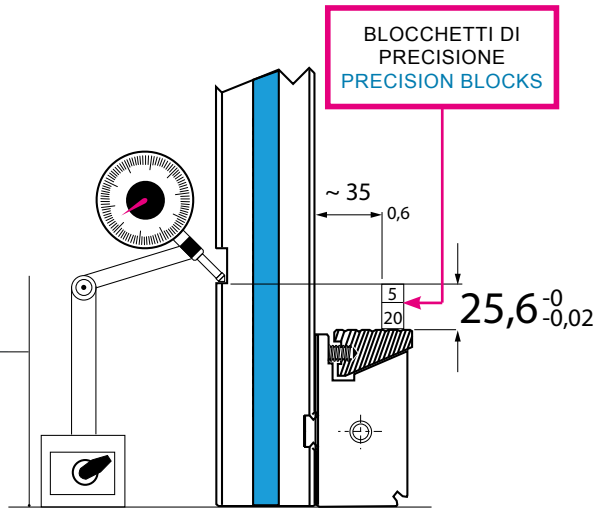
Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

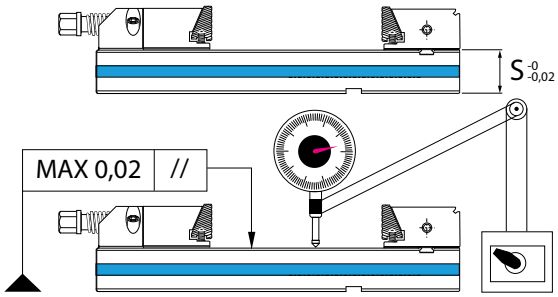
Posizionare la morsa verticalmente assicurandosi che sia perfettamente parallela al piano di appoggio **A** nei due sensi. Successivamente, con un comparatore centesimale, controllare il parallelismo del piano cava e della ganascia fissa.

Set the vise vertically ensuring that it is perfectly at parallel to the table **A** in both sides.Then with an indicator check the parallelism of the keyway and its alignment with the fixed jaw plate.

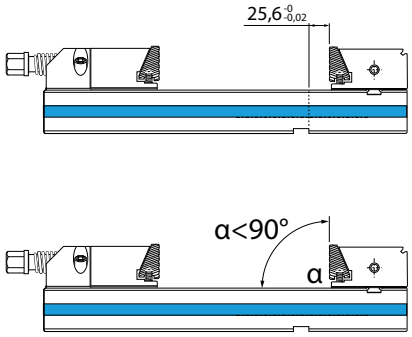




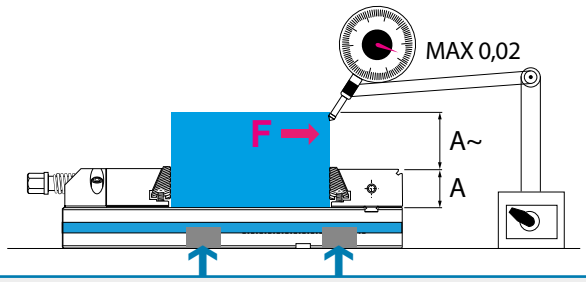
TOLLERANZE GEOMETRICHE



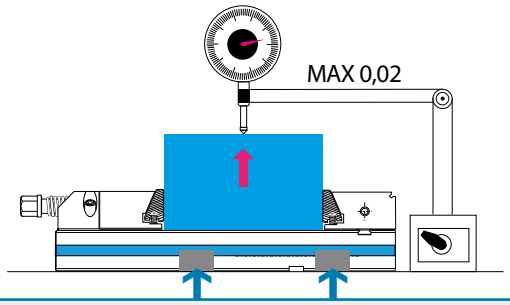
GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE



DYNAMIC ACCURACIES

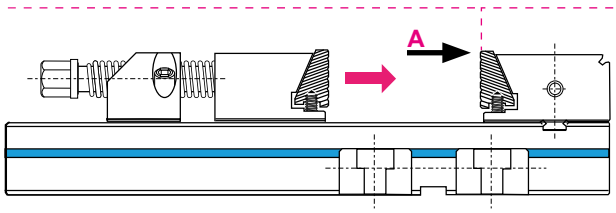


Morsa ancorata con 2 coppie di staffe Art.296 / Vise clamped with n. 2 pairs of Art.296

Valori di flessione nel punto "**A**" in relazione alle forze di serraggio **PER MORSE TIPO 3**

Deflection values at "**A**" in relation to clamping powers **FOR TYPE 3 VISES**

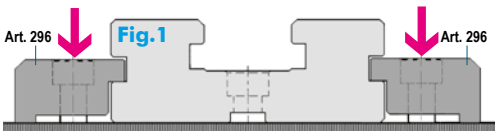
1 kgf . m = 9.806 Nm



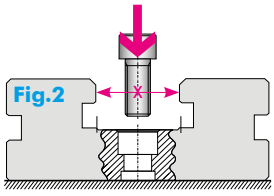
Kn	mm
60	0.1
50	0.07
40	0.05
30	0.03
20	0.02
10	0.01
5	0.004
2	0.002

Il sistema consigliato per l'ancoraggio della morsa sulla tavola macchina è tramite STAFFE Art.296. (Fig.1)
E' possibile ancorare la morsa tramite viti centrali, ma in questo caso la quota X potrebbe flettere e compromettere lo scorrimento della ganascia mobile. (Fig.2)
Nella tabella seguente sono riportati i valori di coppia massima applicabile mediante chiave dinamometrica

We recommend to fix the vises to the machine table using clamps Art. 296. (Fig. 1) The vise can be also fixed by means of central screws, but, this way, the X quota may suffer a bending and compromise the sliding of the movable jaws. (Fig. 2)
In the following table you can find the maximum torque values applicable through torque wrench.



Vite Screw	M8	M10	M12	M16
Torque Nm	40	80	140	345



Type	1	2	3	4	5	6
Torque Nm	18	40	140	140	250	250
Viti - Screws	2	2	3	4	4	4

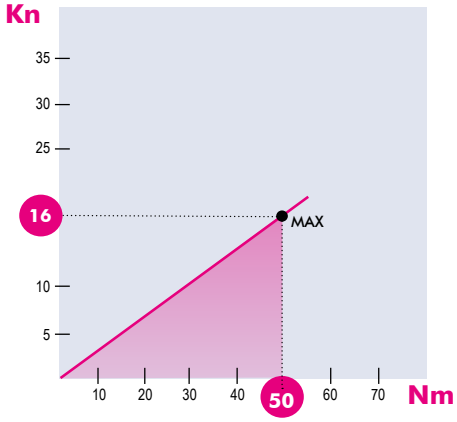
Diagrammi di serraggio / *Clamping diagrams*

Standard / StandardFLEX

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench **Art. 1 / 1A / 700**

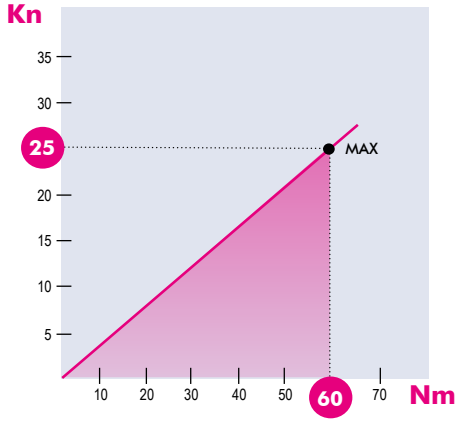
Morse tipo **1**
Vises type
Vite M12 - Passo 1,75mm - Screw M12 - Pitch 1,75mm





Art. 357

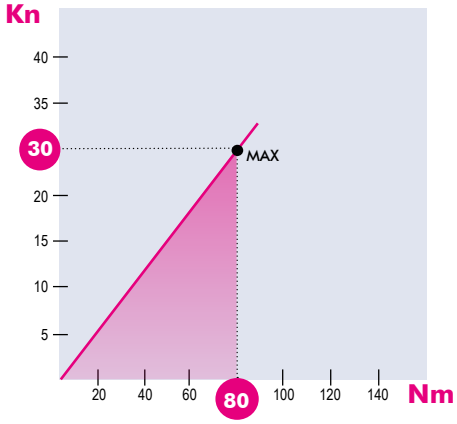
Morse tipo **2**
Vises type
Vite TPN18 - Passo 4mm - Screw TPN18 - Pitch 4mm



Gruppi di serraggio meccanici (Art. 258 e similari) / Mechanical clamping devices (Art. 258 and similar)

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), in funzione del momento applicato
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) depending on the torque

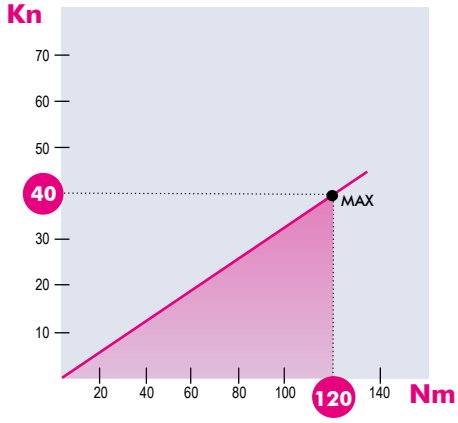
Morse tipo **3-4**
Vises type
Vite TPN24 - Passo 5mm - Screw TPN24 - Pitch 5mm

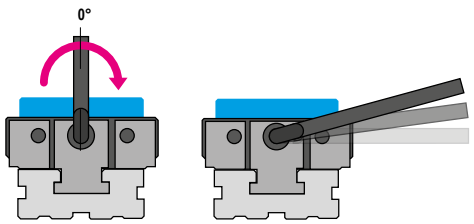




Art. 357

Morse tipo **5-6**
Vises type
Vite TPN30 - Passo 5mm - Screw TPN30 - Pitch 5mm





Serrare il pezzo agendo sulla vite di spinta con la chiave in dotazione senza utilizzare tubi o martelli.
Attenzione: nel serraggio basta 1/4 di giro della chiave dal momento in cui la ganascia tocca il particolare.

Clamp the workpiece turning clockwise the main spindle through the box wrench without using tubes or hammers. Attention: for the right clamping operation 1/4 of a turn of the box wrench is enough

Type (Size)	1	2	3	4	5	6
Kn	12	26	36	46	50	50

Valori indicativi Kn raggiunte a 90°
Kn indicative values at 90°

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

GERARDI

1

For the highest accuracy machining operations

OK

3 MICRONS ACCURACY

Morse e Cubi / *Vises & Vise Towers*

Morse / *Vises*

OK series

Precisione / Accuracy
±0,005mm

HRC

Durezza / Hardened
HRC 60

Morse di precisione per rettifica!

Highest accuracy vises for grinding operations!

CARATTERISTICHE & VANTAGGI

- √ **SUPERFICI RETTIFICATE, TEMPRATE E LAPPATE**
- √ **ORTOGONALITÀ E PARALLELISMO 0,003mm / 100mm**
- √ **IDEALI PER OPERAZIONI DI CONTROLLO, RETTIFICA, ELETTROEROSIONE E FRESATURA**

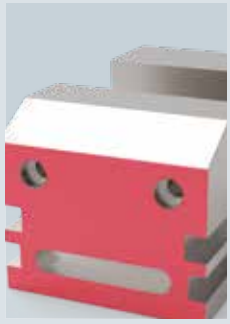
TECHNICAL FEATURES & ADVANTAGES

- √ ALL CASE HARDENED AND HARDENED HRC 60 STEEL
- √ SQUARENESS AND PARALLELISM: 0.003mm / 100mm
- √ IDEAL FOR GRINDING E.D.M MACHINE AND FOR MILLING OPERATIONS ALSO FOR CHECKING AND COTROL

5 YEARS WARRANTY

Per le esigenze più impegnative nelle lavorazioni con ristrette tolleranze

For the highest accuracy machining operations

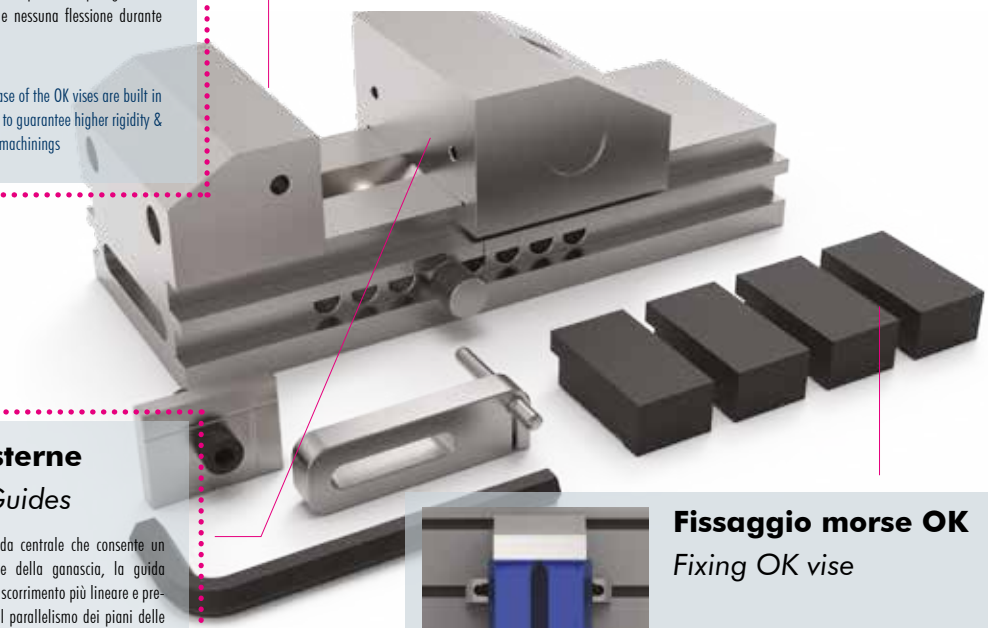


Rigidità e Sicurezza

Rigidity and Safety

La ganascia fissa e la base delle morse OK sono integrali e costruite in corpo unico per garantire una maggiore rigidità e nessuna flessione durante le lavorazioni.

The fixed jaw and the base of the OK vises are built in one solid pieces in order to guarantee higher rigidity & no bendings during the machinings





Guide esterne

External Guides

A differenza della guida centrale che consente un importante oscillazione della ganascia, la guida esterna garantisce uno scorrimento più lineare e preciso, garantendo così il parallelismo dei piani delle ganasce fissa e mobile.

Differently from the central guide that allows a significant jaw tilting, the external guide grants a linear and accurate sliding thus ensuring the parallelism of the fixed and movable jaws surfaces.



Fissaggio morse OK

Fixing OK vise

La morsa viene bloccata sulla tavola macchina grazie a due coppie di staffe di fissaggio complete di vite e tassello a "T"

The OK vise is clamped on the machine table by two pair of vise holding clamps complete of screw and "T" nut

Staffe d'ancoraggio / *Vise holding clamps*

NEW 2021

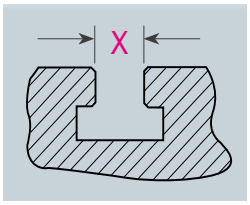
OK Series

Coppia staffe di fissaggio Art.666O, complete di vite e dado a "T"

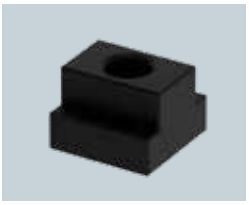
Pair of vise holding clamps Art.666O complete of screw and "T" nuts

Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.666O T.3 X=18mm*
Oppure con codice: 7.66.6O300*
Order example for Type 3 vise on machine with 18mm T-slots: Art.666O T.3 X=18mm*
Also with code: 7.66.6O300*





Cava a T
T Slot
Specificare sempre la cava della vostra macchina
Always specify the machine T-slot dimension



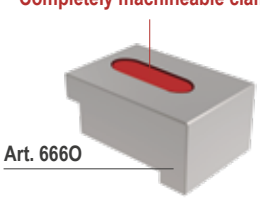
Art.287 (Pag.4.34)*
Dadi a T - *T Nuts*
Per fissaggio morse alle cave a T della macchina
For vise clamping on the machine T-slots

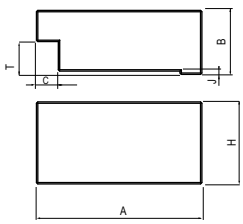


Art.666O
Consigliate 2 coppie di staffe Art.6660 per ogni morsa
Suggested 2 pairs of holding clamps Art.6660 for each vise

* Dadi a T (Art.287) e viti TCEI a richiesta - T-Nuts (Art.287) & HS screws on request

Tipo (grandezza) morsa / Vise type (size)		0	1	2	3	4 - 5 - 6	7	8
Art. 666O Coppia di staffe / Holding clamps pair	Tipo (grandezza) / Type (size)	T0	T1	T2	T3	T4	T7	T8
Staffe completamente lavorabile / Completely machineable clamp	A	36	50	60,5	60,5	65	65	80
	B	8,5	15,4	19,6	23,4	27,5	37	35
	C	3	5	6	8	9,5	10	12
	H	14	25	30	30	30	30	40
	J	1	1,2	1,2	1,2	1,2	1	1
	T	3	8	10	12	14	24	18
	Cod.	7.66.6O000	7.66.6O100	7.66.6O200	7.66.6O300	7.66.6O400/ 500/600	7.66.6O700	7.66.6O800

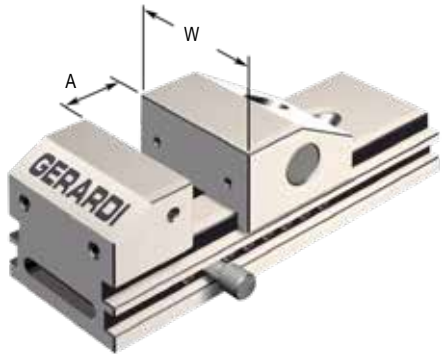




Tipo (grandezza) morsa / Vise type (size)	kN	0	1	2 16 kN	3 16 kN	4 18 kN	5 18 kN	6 18 kN	7 18 kN	8 20 kN
Apertura massima / Maximum spread	A	27	80	100	120	160	180	200	260	200
	W	30	60	75	100	125	125	125	125	160
	B	15	28	40	45	50	50	50	50	63
	C	15	28	35	42	50	50	50	50	63
	D	75	175	220	260	330	350	370	430	410
	E	15	40	50	55	65	65	65	65	80
	F	33	55	50	85	105	105	105	110	130
	kg	0,28	2,820	5,820	10,740	19,450	20,080	20,720	26,720	38
	Cod.	3.66.60000	3.66.61000	3.66.62000	3.66.63000	3.66.64000	3.66.65000	3.66.66000	3.66.67000	3.66.68000

Art. 666

Morsa serie **OK in acciaio** / Series **OK** vises **in steel**



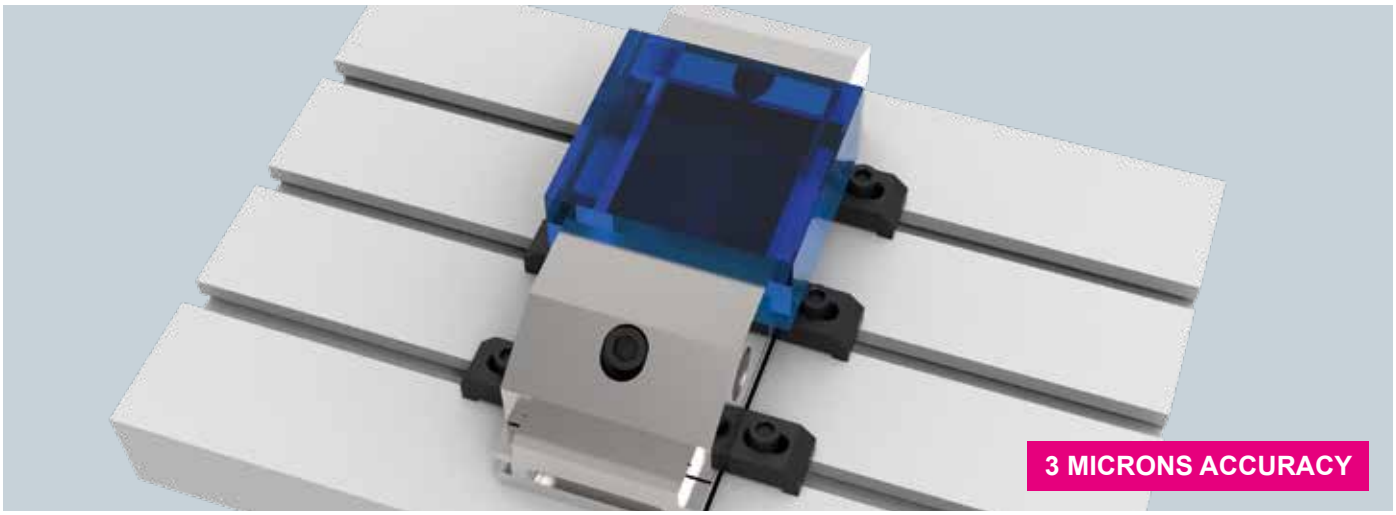
Art. 666S

Morsa serie **OK** ***in acciaio INOX*** *Tipo* **** X4 CR14***
per elettroerosione. *Stesse caratteristiche dell'Art. 666*

Series **OK** vises ***in INOX steel*** *Type* **** X4 CR14***
for E.D.M. machines. *Same features and dimension of the Art. 666*

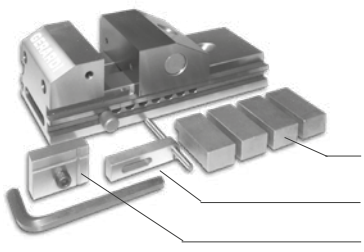
* Acciaio temprato a basso contenuto di ferro (Max resistenza alla corrosione dopo tempra e rettifica)
Low carbon hardened steel (max resistance against corrosion after hardening process and grinding operations)

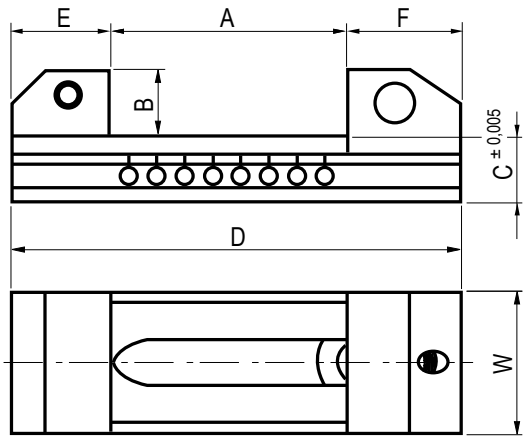
Cod.	3.66.6S000	3.66.6S100	3.66.6S200	3.66.6S300	3.66.6S400	3.66.6S500	3.66.6S600	3.66.6S700	3.66.6S800



Dotazione standard:

- 4 staffe di fissaggio Art. 666O
- 1 arresto laterale fisso Art. 666G (NON FORNITO con morse Tipo 0) ■ 1 arresto laterale mobile Art. 666I





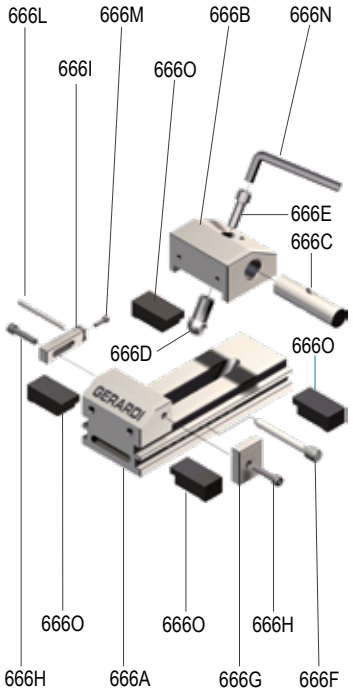
Standard equipment:

- 4 clamping jaws Art. 666O
- 1 fixed work stop Art. 666G (NOT INCLUDED with Type 0 vises) ■ 1 movable work stop Art. 666I

Tipo (grandezza) morsa / Vise type (size)	0	1	2 16 kN	3 16 kN	4 18 kN	5 18 kN	6 18 kN	7 18 kN	8 20 kN

Parti di ricambio per Art. 666 / Spare parts for Art. 666

Art. 666

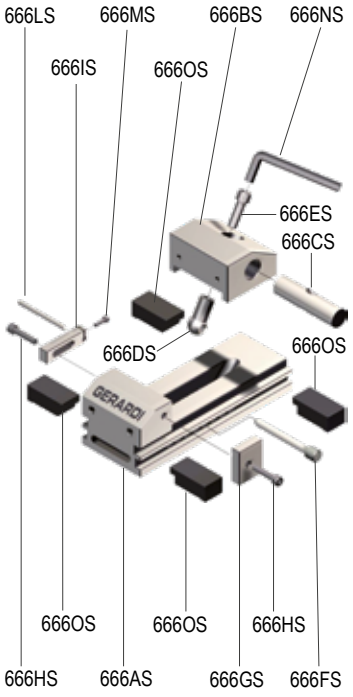


Art. 666A	Cod. 7.66.6A000	7.66.6A100	7.66.6A200	7.66.6A300	7.66.6A400	7.66.6A500	7.66.6A600	7.66.6A700	7.66.6A800
Art. 666B	Cod. 7.66.6B000	7.66.6B100	7.66.6B200	7.66.6B300	7.66.6B400	7.66.6B500	7.66.6B600	7.66.6B700	7.66.6B800
Art. 666C	Cod. 7.66.6C000	7.66.6C100	7.66.6C200	7.66.6C300	7.66.6C400	7.66.6C500	7.66.6C600	7.66.6C700	7.66.6C800
Art. 666D	Cod. 7.66.6D000	7.66.6D100	7.66.6D200	7.66.6D300	7.66.6D400	7.66.6D500	7.66.6D600	7.66.6D700	7.66.6D800
Art. 666E	Cod. 7.66.6E000	7.66.6E100	7.66.6E200	7.66.6E300	7.66.6E400	7.66.6E500	7.66.6E600	7.66.6E700	7.66.6E800
Art. 666F	Cod. 7.66.6F000	7.66.6F100	7.66.6F200	7.66.6F300	7.66.6F400	7.66.6F500	7.66.6F600	7.66.6F700	7.66.6F800
Art. 666G	Cod. 7.66.6G000	7.66.6G100	7.66.6G200	7.66.6G300	7.66.6G400	7.66.6G500	7.66.6G600	7.66.6G700	7.66.6G800
Art. 666H	Cod. 7.66.6H000	7.66.6H100	7.66.6H200	7.66.6H300	7.66.6H400	7.66.6H500	7.66.6H600	7.66.6H700	7.66.6H800
Art. 666I	Cod. 7.66.6I000	7.66.6I100	7.66.6I200	7.66.6I300	7.66.6I400	7.66.6I500	7.66.6I600	7.66.6I700	7.66.6I800
Art. 666L	Cod. 7.66.6L000	7.66.6L100	7.66.6L200	7.66.6L300	7.66.6L400	7.66.6L500	7.66.6L600	7.66.6L700	7.66.6L800
Art. 666M	Cod. 7.66.6M000	7.66.6M100	7.66.6M200	7.66.6M300	7.66.6M400	7.66.6M500	7.66.6M600	7.66.6M700	7.66.6M800
Art. 666N	Cod. 7.66.6N000	7.66.6N100	7.66.6N200	7.66.6N300	7.66.6N400	7.66.6N500	7.66.6N600	7.66.6N700	7.66.6N800
Art. 666O	Cod. 7.66.6O000	7.66.6O100	7.66.6O200	7.66.6O300	7.66.6O400	7.66.6O500	7.66.6O600	7.66.6O700	7.66.6O800

Tipo (grandezza) morsa / Vise type (size)	0	1	2 16 kN	3 16 kN	4 18 kN	5 18 kN	6 18 kN	7 18 kN	8 20 kN

Parti di ricambio in acciaio inox per Art. 666S / Spare parts in stainless steel for Art. 666

Art. 666S



Art. 666AS	Cod. 7.66.6AS00	7.66.6AS10	7.66.6AS20	7.66.6AS30	7.66.6AS40	7.66.6AS50	7.66.6AS60	7.66.6AS70	7.66.6AS80
Art. 666BS	Cod. 7.66.6BS00	7.66.6BS10	7.66.6BS20	7.66.6BS30	7.66.6BS40	7.66.6BS50	7.66.6BS60	7.66.6BS70	7.66.6BS80
Art. 666CS	Cod. 7.66.6CS00	7.66.6CS10	7.66.6CS20	7.66.6CS30	7.66.6CS40	7.66.6CS50	7.66.6CS60	7.66.6S70	7.66.6CS80
Art. 666DS	Cod. 7.66.6DS00	7.66.6DS10	7.66.6DS20	7.66.6DS30	7.66.6DS40	7.66.6DS50	7.66.6DS60	7.66.6DS70	7.66.6DS80
Art. 666ES	Cod. 7.66.6ES00	7.66.6ES10	7.66.6ES20	7.66.6ES30	7.66.6ES40	7.66.6ES50	7.66.6ES60	7.66.6ES70	7.66.6ES80
Art. 666FS	Cod. 7.66.6FS00	7.66.6FS10	7.66.6FS20	7.66.6FS30	7.66.6FS40	7.66.6FS50	7.66.6FS60	7.66.6FS70	7.66.6FS80
Art. 666GS	Cod. 7.66.6GS00	7.66.6GS10	7.66.6GS20	7.66.6GS30	7.66.6GS40	7.66.6GS50	7.66.6GS60	7.66.6GS70	7.66.6GS80
Art. 666HS	Cod. 7.66.6HS00	7.66.6HS10	7.66.6HS20	7.66.6HS30	7.66.6HS40	7.66.6HS50	7.66.6HS60	7.66.6HS70	7.66.6HS80
Art. 666IS	Cod. 7.66.6IS00	7.66.6IS10	7.66.6IS20	7.66.6IS30	7.66.6IS40	7.66.6IS50	7.66.6IS60	7.66.6IS70	7.66.6IS80
Art. 666LS	Cod. 7.66.6LS00	7.66.6LS10	7.66.6LS20	7.66.6LS30	7.66.6LS40	7.66.6LS50	7.66.6LS60	7.66.6LS70	7.66.6LS80
Art. 666MS	Cod. 7.66.6MS00	7.66.6MS10	7.66.6MS20	7.66.6MS30	7.66.6MS40	7.66.6MS50	7.66.6MS60	7.66.6MS70	7.66.6MS80
Art. 666NS	Cod. 7.66.6NS00	7.66.6NS10	7.66.6NS20	7.66.6NS30	7.66.6NS40	7.66.6NS50	7.66.6NS60	7.66.6NS70	7.66.6NS80
Art. 666OS	Cod. 7.66.6OS00	7.66.6OS10	7.66.6OS20	7.66.6OS30	7.66.6OS40	7.66.6OS50	7.66.6OS60	7.66.6OS70	7.66.6OS80

MORSE per RETTIFICA
GRINDING VISES

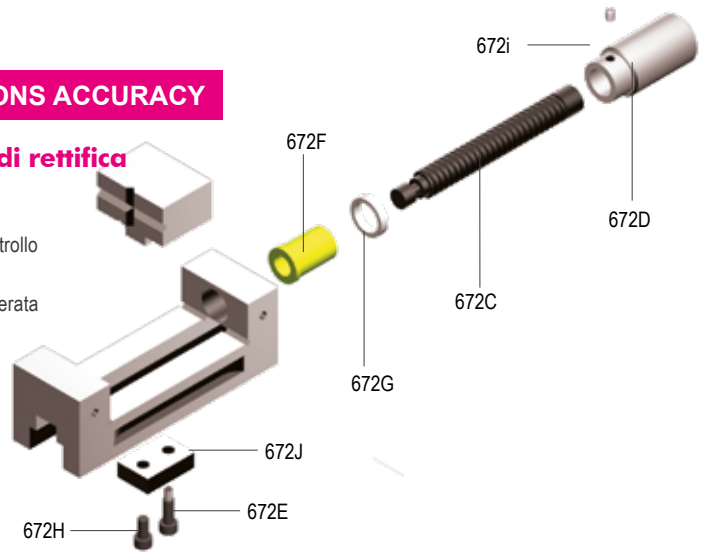
3 MICRONS ACCURACY

Una morsa estremamente precisa, adatta a lavorazioni di rettifica

High precision vise ideal for grinding operations

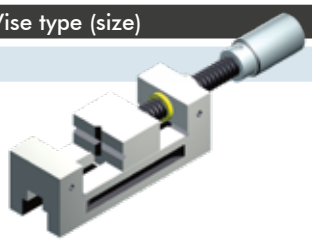
- Particolarmente adatta per lavori di alta precisione su rettificatrici e apparecchiature di controllo
- Costruita completamente in acciai temprati a durezza 58/60 HRC
- Perfettamente rettificata su tutti i suoi piani onde per ottenere i 90° in ogni posizione desiderata
- La ganascia mobile ha due V ortogonali per bloccare pezzi cilindrici
- Tolleranze millesimali: ± 0.003 mm.

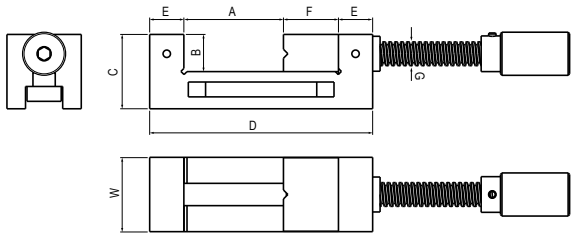
- Ideal for high-precision grinding machines or for inspection work
- Entirely made of non-deformable alloy steel hardened to 58/60 HRC
- Perfectly ground surfaces in order to reach 90° in any position
- The movable jaw has two prismatic surfaces in order to clamp round workpieces
- Accuracy: ± 0.003 mm



Art. 672

Morsa serie **OK in acciaio**
Series **OK** vises **in steel**





Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6	7
Apertura massima / Maximum spread	A	67	87	102	102	127	160	170
	W	50	63	73	80	100	125	150
	B	25	31	35	40	45	50	50
	C	50	63	70	80	90	100	100
	D	150	185	205	215	255	315	350
	E	23	28	28	33	38	38	40
	F	37	42	47	47	52	79	100
	H	215	250	280	390	330	364	399
	kg	2,7	3,7	5,3	6,5	11,1	18,5	21
	Cod.	1.67.21000	1.67.22000	1.67.23000	1.67.24000	1.67.25000	1.67.26000	1.67.27000

Tipo (grandezza) morsa / Vise type (size)			1	2	3	4	5	6	7
Base Morsa Vise Base	Art. 672A	Cod.	1.67.2A100	1.67.2A200	1.67.2A300	1.67.2A400	1.67.2A500	1.67.2A600	1.67.2A700
Ganascia Mobile Movable Jaw	Art. 672B	Cod.	1.67.2B100	1.67.2B200	1.67.2B300	1.67.2B400	1.67.2B500	1.67.2B600	1.67.2B700
Vite di Spinta Main Screw	Art. 672C	Cod.	1.67.2C100	1.67.2C200	1.67.2C300	1.67.2C400	1.67.2C500	1.67.2C600	1.67.2C700
Impugnatura Vite Handle screw	Art. 672D	Cod.	1.67.2D100	1.67.2D200	1.67.2D300	1.67.2D400	1.67.2D500	1.67.2D600	1.67.2D700
Vite calibrata ganascia mobile Movable jaw shoulder screw	Art. 672E	Cod.	1.67.2E100	1.67.2E200	1.67.2E300	1.67.2E400	1.67.2E500	1.67.2E600	1.67.2E700
Boccola Bushing	Art. 672F	Cod.	1.67.2F100	1.67.2F200	1.67.2F300	1.67.2F400	1.67.2F500	1.67.2F600	1.67.2F700
Ghiera Nut	Art. 672G	Cod.	1.67.2G100	1.67.2G200	1.67.2G300	1.67.2G400	1.67.2G500	1.67.2G600	1.67.2G700
Vite Screw	Art. 672H	Cod.	1.67.2H100	1.67.2H200	1.67.2H300	1.67.2H400	1.67.2H500	1.67.2H600	1.67.2H700
Vite Screw	Art. 672I	Cod.	1.67.2I100	1.67.2I200	1.67.2I300	1.67.2I400	1.67.2I500	1.67.2I600	1.67.2I700
Pattino ganascia mobile Sliding plate for movable jaw	Art. 672J	Cod.	1.67.2J100	1.67.2J200	1.67.2J300	1.67.2J400	1.67.2J500	1.67.2J600	1.67.2J700

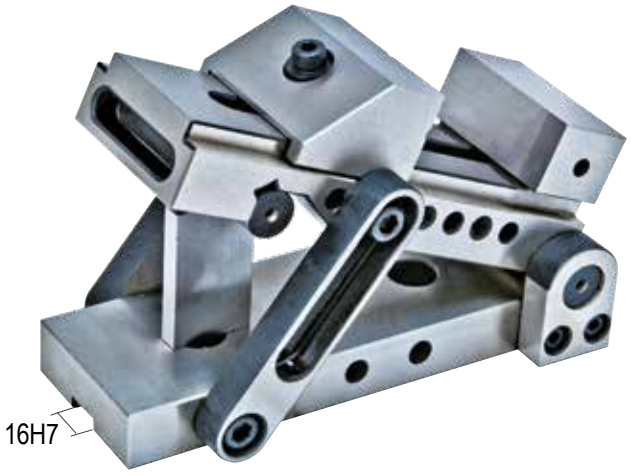
Tipo (grandezza) morsa / Vise type (size)		1	2	3
Apertura massima / Maximum spread	A	100	120	160
	W	75	100	125
	B	32	45	50
	C	95	116	139
	D	214	244	303,5
	E	150	200	240
	kg	9	15	26
	Cod.	1.66.71000	1.66.72000	1.66.73000

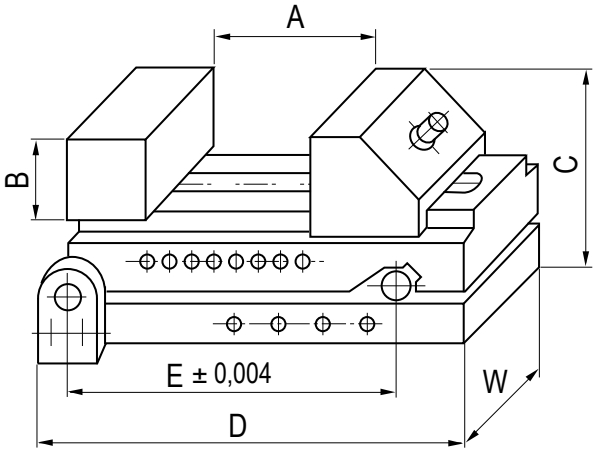
Art. 667

Morse di precisione con barraseno (0 - 90°)
Precision sine vises (0 - 90°)

- Superfici rettificate, temperate e lappate
- Ortogonalità e parallelismo: 0,003 mm / 100 mm
- Ideali per operazioni di controllo, rettifica, elettroerosione e fresatura

- All case hardened and hardened HRC 60 steel
- Squareness and parallelism: 0,003 mm / 100 mm
- Ideal for grinding E.D.M. machine and for milling operations also for checking and control





Dotazione standard: 2 chiavi di servizio Art. 376
Standard equipment: 2 wrenches Art. 376

Tipo (grandezza) morsa / Vise type (size)		1	2	3
Apertura massima / Maximum spread	A	100	150	214
	W	32	32	36
	B	30	35	40
	C	95	100	110
	D	170	226	300
	E	11	11	13,5
	F	9	9	9
	G	34	34	34
	H	50	70	70
	kg	4	5	6
	Cod.	1.66.81000	1.66.82000	1.66.83000

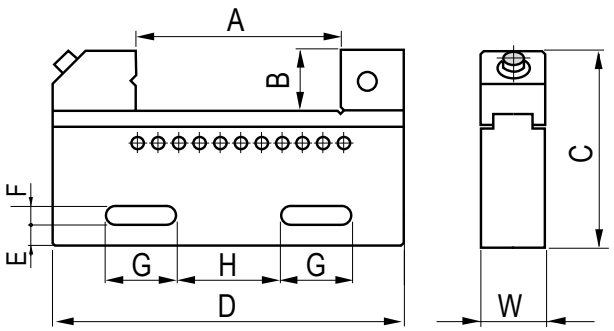
Art. 668

Morse di precisione in acciaio inox
Stainless steel precision vises

Costruita in acciaio inox. Durezza HRC50-55
Parallelismo e ortogonalità 0,005-0,008. Alta resistenza alla corrosione.
Ideali per operazioni di controllo e elettroerosione

Made of high quality stainless steel. Hardness HRC50-55.
Parallelism and squareness of 0,005-0,008 mm. High corrosion-resistance.
Best for measurement, inspection, EDM and wire-cutting machining.





Dotazione standard: 1 chiave di servizio Art. 376
Standard equipment: 1 wrench Art. 376

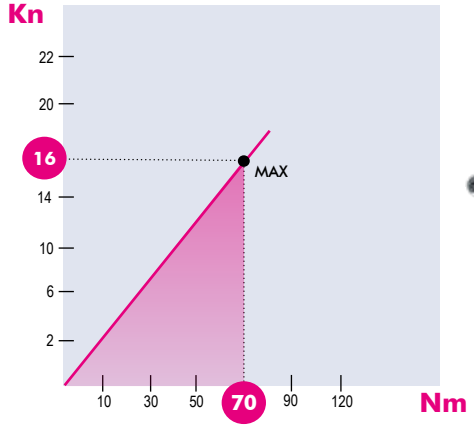
Diagrammi di serraggio / *Clamping diagrams*

OK Series

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench **Art. 666 / 666S**

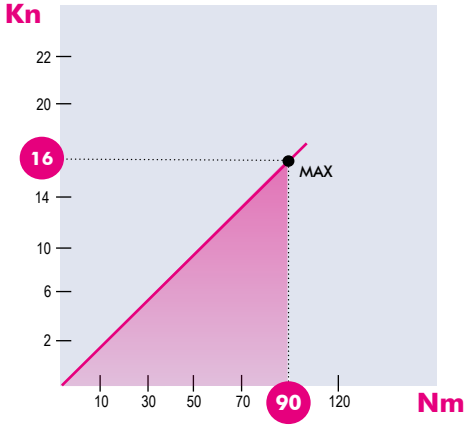
Morse tipo 2
Vises type



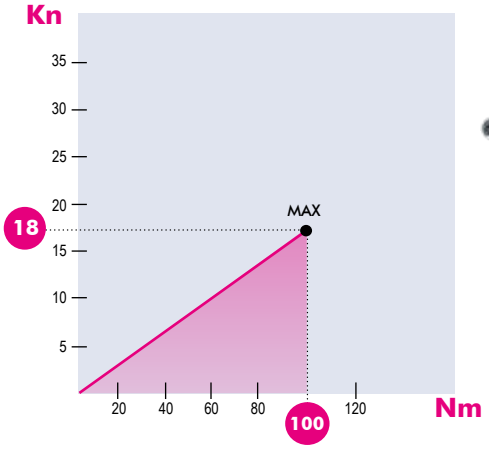


Art. 357

Morse tipo 3
Vises type



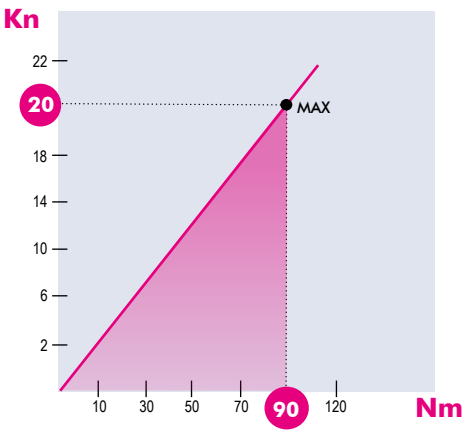
Morse tipo 4-5-6-7
Vises type





Art. 357

Morse tipo 8
Vises type



NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

GERARDI



2

To clamp workpieces of unusual dimension!

XL - XLFLEX

Morse e Cubi / *Vises & Vise Towers*

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30	18
30AE	30
30E	18
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32E	20
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34E	22
35	24
35E	24
20A	28
30A	30
42	32
42Z	32
212	8-10-14-18-22-28-30
213	12 - 20
217	8 - 10 - 18
218	12 - 16 - 20 - 24
230E	28 - 30
230B	28 - 30
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246	14 - 22
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313R	12 - 16 - 20 - 24

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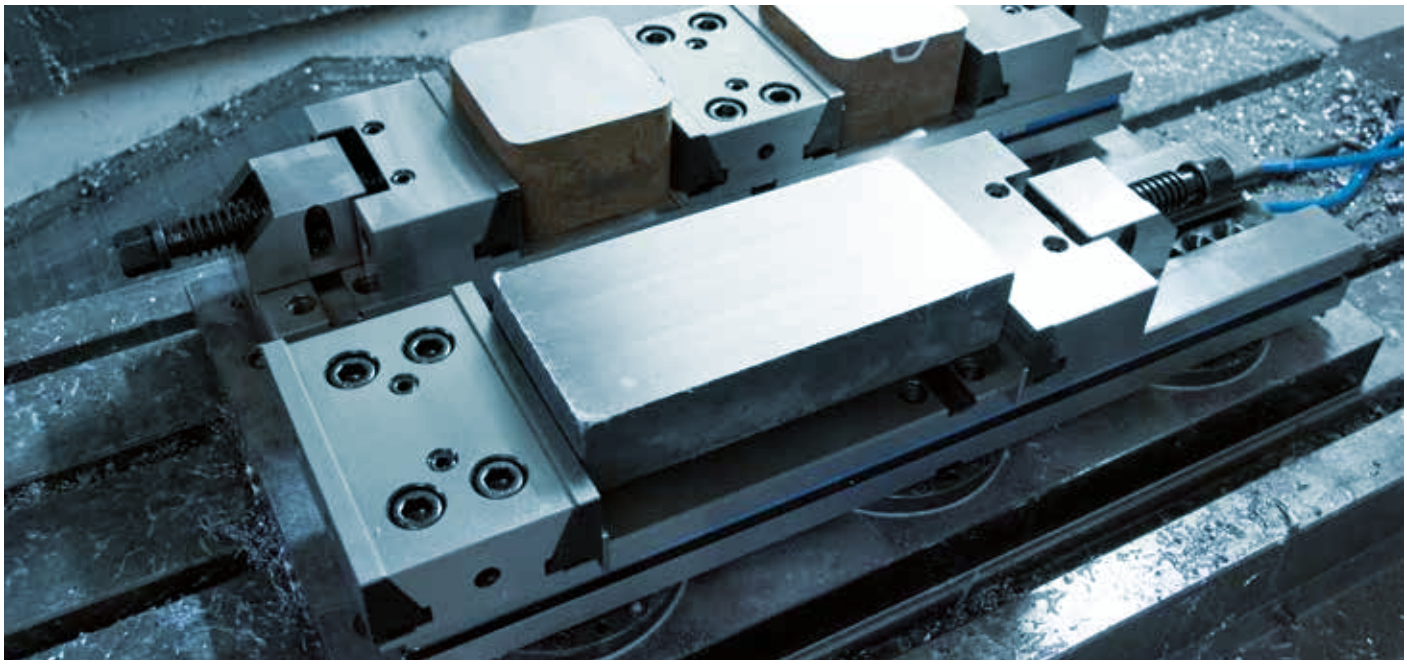
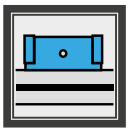
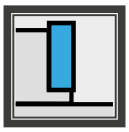
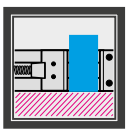
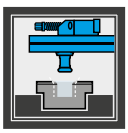
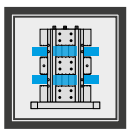
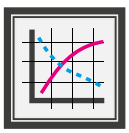


SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

GANASCE JAWS	 Fissa Fixed	 Mobile Movable	 Intermedia Intermediate	 Fissa con piastra doppia liscia Fixed with double straight plate	 Fissa con piastra singola Fixed with single plate	 Fissa con piastra doppia Fixed with double plate
PIASTRE GANASCE JAW PLATES		 Discendente Pull down	 Piana Straight	 Cambio rapido manuale Quick manual change **XL FLEX**	 GRIP integrale Integral GRIP	 Inserti GRIP Inserti GRIP
POSSIBILITÀ POSSIBILITY		 Serraggio di 1 particolare Clamping only 1 piece	 Serraggio di 2 particolar1 Clamping 2 pieces	 Montaggio sul fianco o in serie Side mounting or gang operation	 Predisposizione Zero Point Zero Point ready	 Cubi-morsa Vise tower
PAGINE PAGES				 Accessori & Ricambi Accessories & Spare Parts	 Istruzioni corretto utilizzo Instruction for a proper use	 Diagrammi forze di serraggio Clamping force diagrams

2

Morse / *Vises*

XL *EXTRA LONG BASES*

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

Come le morse Standard, ma con la base moooolto più lunga!

As the Standard vises but with a loooonger base

USURA INESISTENTE / *NO WEAR*

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. Costruzione completamente in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 58 ±2 HRC. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo 5 ANNI DI GARANZIA su tutto il programma morse e organi meccanici in genere.

Thanks to the manufacturing with only the most suitable materials and to the structure of the vise components (developed using computer customised softwares and the experience gained during many years spent working on the specific field). High alloyed quality resistance steel, case hardened HRC 58 ±2, is used in manufacturing all the Gerardi vises and accessories in order to give maximum rigidity, high performances and no wear. As evidence we give 5 YEARS WARRANTY on all the vises and mechanical components.

MODULARITÀ / *MODULARITY*

Tutte le morse ed accessori sono elementi componibili, intercambiabili e perfettamente allineabili fra loro e con i quali è possibile ottenere differenti soluzioni di bloccaggio. Secondo tale principio l'unico elemento che differenzia le attrezzature con identica larghezza di presa è la base (la cui lunghezza determina la massima apertura della morsa), mentre gli altri componenti sono identici. Mediante l'aggiunta o semplice sostituzione di alcuni particolari si può variare la tipologia di bloccaggio secondo le proprie esigenze utilizzando la stessa attrezzatura acquistata in un primo momento (bloccaggi singoli, con base girevole, doppi, verticali, di pezzi piani, tondi, piatti e grezzi, manuali, idraulici o pneumatici).

All vises and accessories are modular and components of all our vises will interchange with perfect alignment to provide different workholding solutions. With this basic principle the only difference between fixtures with the same width of clamping is the base (whose length determines the maximum opening of the vise), while the rest of components have same dimensions. Through the simple addition or substitution of some particulares You can change the type of clamping as Your needs require using the same fixture purchased before (single clamping, swivel base, double, vertical, smooth or round or flat or rough workpieces, manual, hydraulic or pneumatic).

DESIGN COMPATTO / *SPACE SAVING DESIGN*

La semplicità nonché la compattezza costruttiva consentono un'apertura notevole rispetto all'ingombro totale dell'attrezzatura. Inoltre lo stesso peso (solo 25 kg per una morsa da 150 mm di larghezza ganascia) è tale da consentire un facile trasferimento da una macchina all'altra.

The space saving design and solid construction allow a maximum blocking ratio to total overall dimension of the vise. Furthermore the weight (only 25 kg for a 150 mm jaw width vise) allows a simple moving from one machine to another.

SERRAGGI RAPIDI / *QUICK CLAMPING*

Grazie allo scorrimento del gruppo di serraggio nella guida della base (a cremagliera) fino in prossimità del pezzo da lavorare dove si adatterà automaticamente alla nicchia più vicina. L'operazione di serraggio si conclude agendo sulla vite di bloccaggio. Oltre a quello manuale meccanico, sono disponibili 4 ulteriori sistemi di serraggio intecambiabili e indipendenti: 1 - Idraulici / 2 - Pneumatici / 3 - Idraulici manuali / 4 - Idraulici elettrici. L'operazione è in termini di secondi.

Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1- Hydraulic / 2- Pneumatic / 3- Manual hydraulic / 4- Electrical hydraulic. The change needs only few seconds.



Ganasce fisse doppie
Double fixed jaws

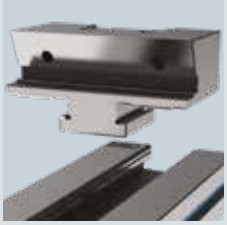
Ganasce fisse doppie posizionabili sia al centro (per serraggi doppi), sia all'estremità della base (per serraggi singoli di particolari di grosse dimensioni). La morsa XL doppia permette la lavorazione di un numero maggiore di pezzi sfruttando al massimo la lunghezza della tavola della macchina utensile.

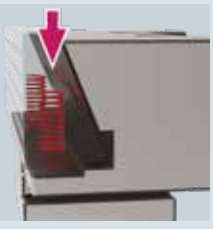
Double fixed jaw position both in the center of the vise base (for double clamping) and at the end (for single big workpieces Clamping). Double XL vise allows to machine more workpieces using the total length of the machine tool, this means to increase productivity of the workcicle and of the machine



Serraggi indipendenti
Independent clamping

Due Gruppi di serraggio indipendenti
Two independent clamping devices





Ganascia monoblocco
Solid guided jaw

Entrambe le ganasce sono costruite in corpo unico (non esistono slitte o tasselli di fissaggio) per garantire una maggiore rigidità e nessuna flessione. Entrambe le piastre ganasce sono costruite con un angolo di spinta verso il basso. Ciò assicura, nel momento della chiusura, una trazione del pezzo contro la base della morsa (per trascinamento) e di conseguenza un bloccaggio sicuro e preciso.

Both jaws bodies are built in one solid piece (no slides or key-nuts): in order to guarantee higher rigidity & no bendings. Both jaw plates are manufactured with a pull down angle. This ensures, during the clamping operation, a downward run of the workpiece against the vise base (by dragging) and thus a precise and safety clamping.

Quando lo spazio sulla tavola della macchina è limitato le morse XL sono la risposta per avere due morse in una trasformandosi rapidamente da morsa a doppio serraggio a morsa singola aumentando l'apertura di serraggio. La morsa XL doppia permette la lavorazione di un numero maggiore di pezzi sfruttando al massimo la lunghezza della tavola della macchina utensile, ciò significa aumentare la produttività delle fasi attive del ciclo e di macchina stessa in quanto abbiamo
La versione XL singola permette il serraggio di pezzi di dimensioni insolite e di piastre (con le appropiate ganasce). La notevole gamma di dimensioni e lunghezze delle basi garantisce il soddisfacimento delle più svariate necessità nonché una rigidità notevole dell'attrezzatura. A richiesta tutte le morse sono fornibili con tasselli di riferimento di varie grandezze o con fori calibrati.

Space on the machine table is sometimes limited: XL vises enable to have 2 vises in 1 because they can quickly change from double vise to single vise with very large opening. Double XL vise allows to machine more workpieces using the total length of the machine tool, this means to increase productivity of the workcicle and of the machine.Single XL vise allows to clamp pieces of unusual dimensions and plates (with the right jaws). The very wide range of widths and lenghts of bases guarantees the satisfaction of the widest variety of works and a big rigidity of the fixture too. In conclusion all this allows to reduce to a minimum dead times/interruptions and consequently faster payback period of machines and fixtures. On request all vises can be supplied with key-nuts of different sizes or with ground holes.

SCAN IT TO WATCH THE
VIDEO PRESENTATION

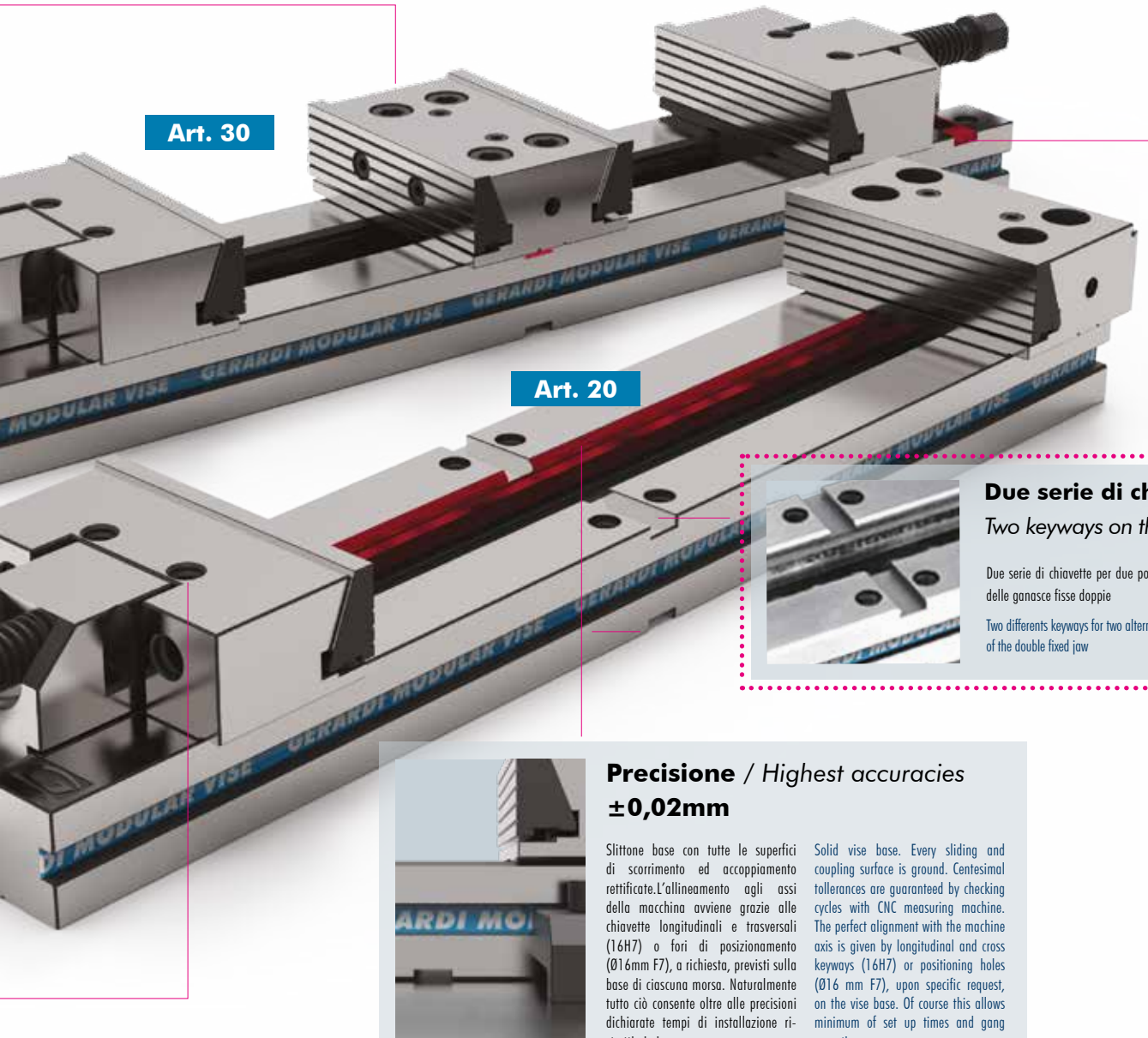
5 YEARS WARRANTY

Ideali per particolari di grandi dimesioni !

To clamp workpieces of unusual dimension!

Art. 30

Art. 20



Due serie di chiavette
Two keyways on the top side

Due serie di chiavette per due posizioni alternative delle ganasce fisse doppie

Two differents keyways for two alternatives positions of the double fixed jaw

Precisione / *Highest accuracies*
±0,02mm

Slittone base con tutte le superfici di scorrimento ed accoppiamento rettificate.L'allineamento agli assi della macchina avviene grazie alle chiavette longitudinali e trasversali (16H7) o fori di posizionamento (Ø16mm F7), a richiesta, previsti sulla base di ciascuna morsa. Naturalmente tutto ciò consente oltre alle precisioni dichiarate tempi di installazione ristrettissimi.

Solid vise base. Every sliding and coupling surface is ground. Centesimal tollerances are guaranteed by checking cycles with CNC measuring machine. The perfect alignment with the machine axis is given by longitudinal and cross keyways (16H7) or positioning holes (Ø16 mm F7), upon specific request, on the vise base. Of course this allows minimum of set up times and gang operations.

Staffe d'ancoraggio / *Vise holding clamps*

NEW 2021

2

XL extra long bases

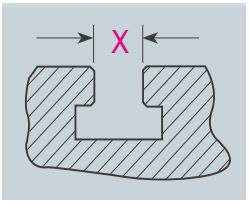
Coppia staffe di fissaggio Art.296, complete di vite e dado a "T"

Pair of vise holding clamps Art.296 complete of screw and "T" nuts

Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: *Art.296 T.3 X=18mm*
Oppure con codice: 2.29.6300 X=18mm

Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm
Also with code: 2.29.6300 X=18mm



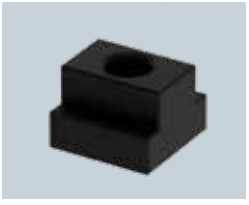


Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

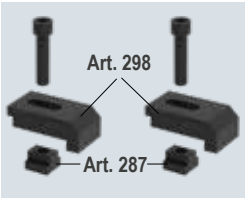


Art.287 (Pag.4.34)

Dadi a T - *T Nuts*

Per fissaggio morse alle cave a T della macchina

For vise clamping on the machine T-slots



Art.296

(Art.298 + Art.287)

Consigliate 3 coppie di staffe Art.296 per ogni morsa

Suggested 3 pairs of holding clamps Art.296 for each vise

Tipo (grandezza) morsa / Vise type (size)		1	1 - 2			3 - 4		5 - 6	
Art. 296 Coppia di staffe / Holding clamps pair	Cava a T slot X	12 14 16 18	12* 14 16	16 18 20	18* 20 22	16 18 20 22	18* 20 22	16 18 20 22	18* 20 22
	T-nuts Ref. N°	8 9 10 11	12 13 14	20 21 22	32 33 34	20 21 22 23	32 33 34	20 21 22 23	32 33 34
	Filetto vite / Screw thread	M8	M10	M12 *	M16	M12 *	M16	M12	M16 *
1 X M8	A	50	50	50	50	76	76	86	86
	B	24	24	24	24	30	30	40	40
	C	6	6	6	6	6	6	10	10
	Ø D	8,5	11	13	17	13	17	13	17
	E	10	10	10	10	13	13	15	15
	Ø F	14	-	-	-	-	-	-	-
	G	14	16	17,5	19	17	16	26	26
	G1	17	15	13	9	22	15	27	27
	H	34	34	34	34	42	42	50	50
	I	8	10	10	10	-	-	-	-
	J	4	4	4	4	10	10	10	10
	T ± 0,1	15	15	15	15	20	20	26	26
	Cod.	2.29.61000 / M8	2.29.61000 / M10	2.29.61000 / M12	2.29.61000 / M16	2.29.63000 / M12	2.29.63000 / M12	2.29.65000 / M12	2.29.65000 / M16

* *Scelta consigliata - Suggested choice*

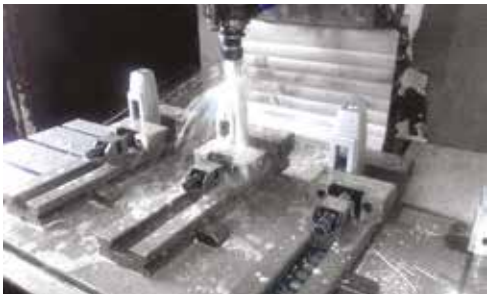
* *Scelta NON consigliata - NO Suggested choice*

Soluzioni personalizzate / *Customized solutions*

XL extra long bases

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems



Morse XL

XL Vises

Morse XL montate orizzontalmente per lavorazioni su centro verticale

XL modular vises horizontally assembled for vertical machining centre

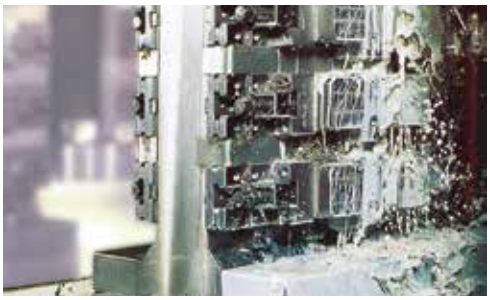


Morse XL

XL Vises

Morse XL montate verticalmente su cubo portapezzi per lavorazioni su centro orizzontale

XL Vises vertically assembled on a tombstone
for horizontal machining centre.



Morse XL

XL Vises

Morse XL doppie montate su spalla in orizzontale

XL double vises horizontally assembled on a 2 sides tombstone



Versione singola

Single version

La versione XL singola permette il serraggio anche di pezzi di dimensioni insolite

Single XL vise allows to clamp also pieces of unusual dimensions



Morse modulari

Modular Vises

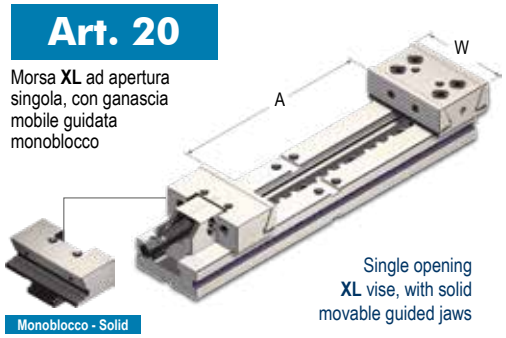
Tutte le morse ed accessori sono componibili fra loro e con tali accessori è possibile trasformare o riconfigurare la morsa per ottenere differenti soluzioni di serraggio

All vises and accessories are modular and components of all our vises will interchange with perfect alignement to upgrade your vise and provide different workholding solutions

2

Art. 20

Morsa **XL** ad apertura singola, con ganascia mobile guidata monoblocco



Monoblocco - Solid

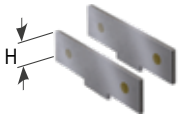
Single opening **XL** vise, with solid movable guided jaws

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	10	17	32	35	47	52	56	61
	Cod.	3.21.00000	3.22.10000	3.23.20000	3.23.30000	3.24.20000	3.24.30000	3.24.40000	3.24.50000

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

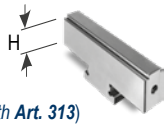
Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3100C	4.31.3200C	4.31.3300C		4.31.3400C
H	23	33	43		53

Art. 212

Ganascia mobile intermedia (*da usare con **Art. 313***)
Intermediate movable jaw (*to be used with **Art. 313***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 217

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000

Art. 242G

Piastra ganascia con inserti GRIP completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel

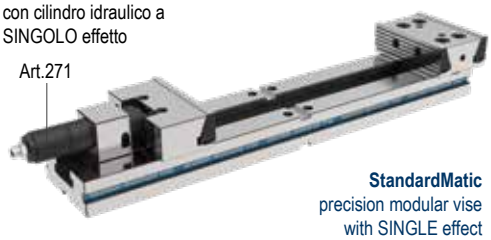


Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400

Art. 20E

NEW 2021

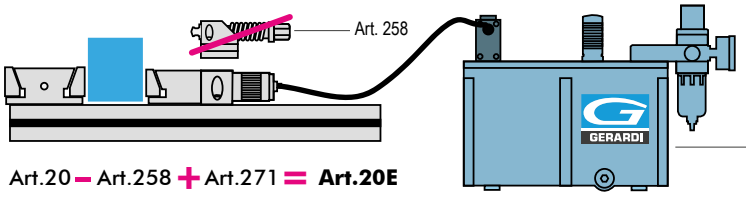
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

MORSE StandardMatic



Art.20 − Art.258 + Art.271 = **Art.20E**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)

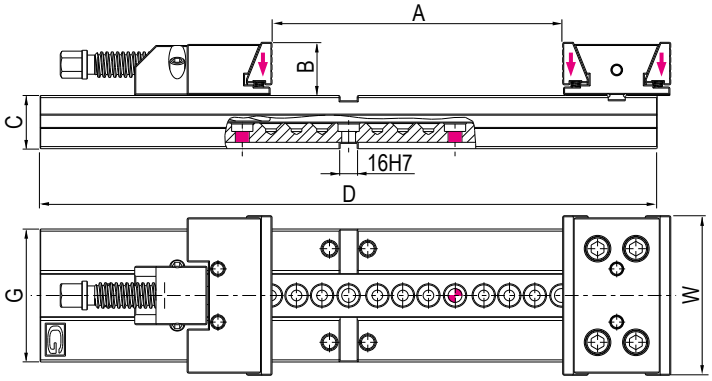


Art. 20
Art. 370
Art. 297
Art. 375
Art. 376

Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

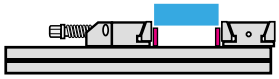
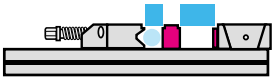
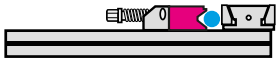
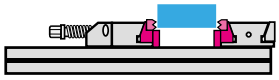
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	500	600	700	800	900	500	600	700	800	900	1000	1100
W			200						300			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	3.25 .20000	3.25.30000	3.25.40000	3.25.50000	3.25.60000	3.26.20000	3.26.30000	3.26.40000	3.26.50000	3.26.60000	3.26.70000	3.26.80000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3500C	4.31.3600C
Art. 313		
	53	68
	1.21.25000	1.21.26000
Art. 212		
	2.21.75000	2.21.76000
Art. 217		
	1.24.2G500	1.24.2G600
Art. 242G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

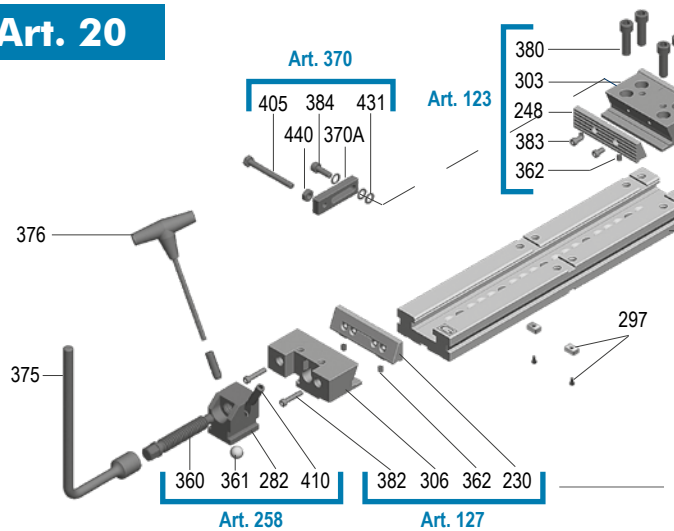
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 20





Art.	Pag.
42	2.32
230	4.9
248	4.9
282	4.36
297	4.34
303	4.29
306	4.29
360	4.36
361	4.36
362	4.28
370A	4.35

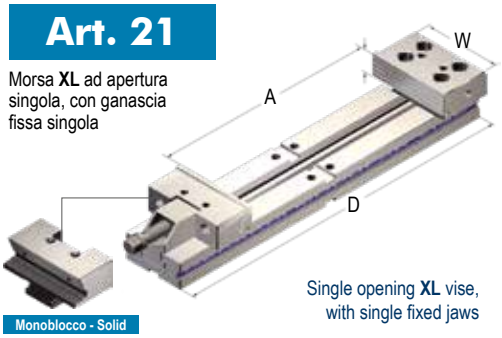
Art.	Pag.
375	4.35
376	4.35
380	4.28
382	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-

2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	10	17	32	35	47	52	56	61
	Cod.	2.21.12900	2.21.23200	2.21.33600	2.21.34600	2.21.44000	2.21.45000	2.21.46000	2.21.47000

Art. 21

Morsa **XL** ad apertura singola, con ganascia fissa singola



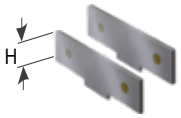
Monoblocco - Solid

Single opening **XL** vise, with single fixed jaws

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

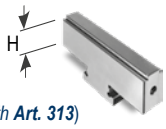
Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3100C	4.31.3200C	4.31.3300C		4.31.3400C
H	23	33	43		53

Art. 212

Ganascia mobile intermedia (*da usare con **Art. 313***)
Intermediate movable jaw (*to be used with **Art. 313***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 217

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000

Art. 242G

Piastra ganascia con inserti GRIP completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel

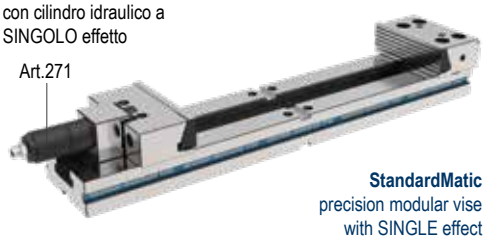


Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400

Art. 21E

NEW 2021

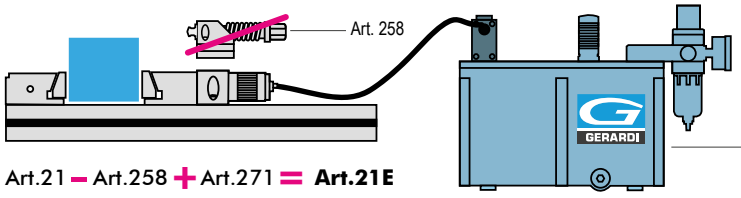
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic
precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

MORSE StandardMatic

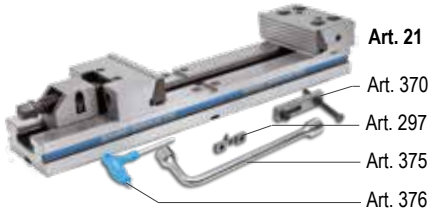


Art.21 − Art.258 + Art.271 = **Art.21E**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

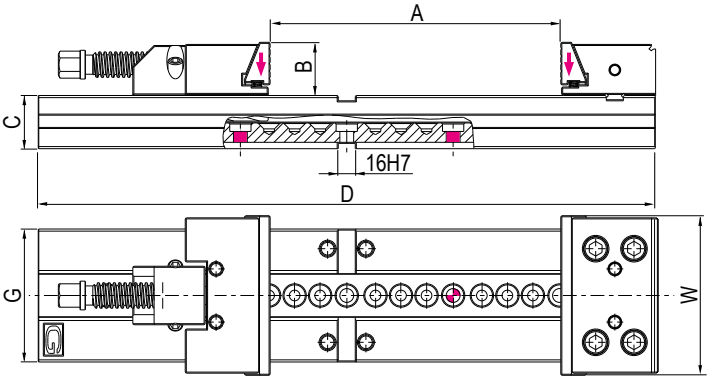
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

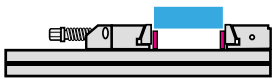
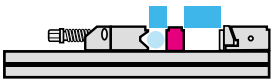
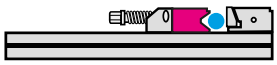
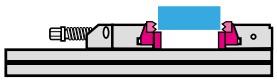
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	500	600	700	800	900	500	600	700	800	900	1000	1100
W			200						300			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	2.21.55000	2.21.56000	2.21.57000	2.21.58000	2.21.59000	2.21.65000	2.21.66000	2.21.67000	2.21.68000	2.21.69000	2.21.61000	2.21.61100

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3500C	4.31.3600C
Art. 313		
	53	68
	1.21.25000	1.21.26000
Art. 212		
	2.21.75000	2.21.76000
Art. 217		
	1.24.2G500	1.24.2G600
Art. 242G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

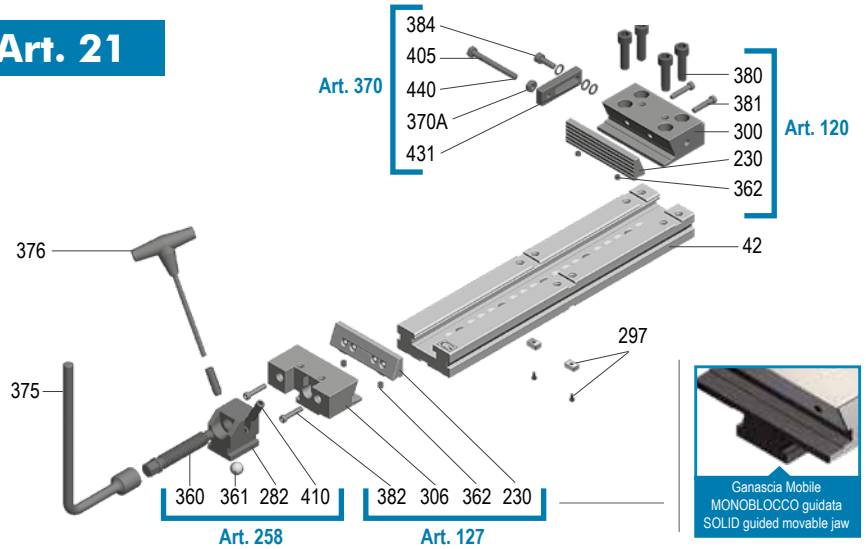
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 21



Ganascia Mobile
MONOBLOCCO guidata
SOLID guided movable jaw

Art.	Pag.
42	2.32
230	4.9
248	4.9
282	4.36
297	4.34
300	4.29
306	4.29
360	4.36
361	4.36
362	4.28
370A	4.35

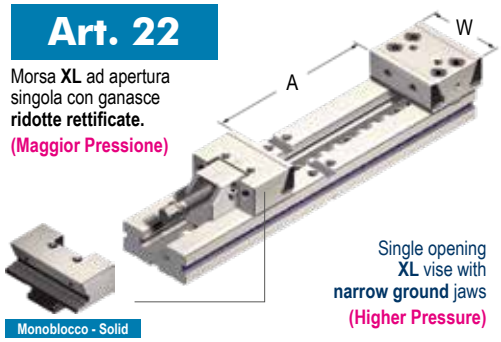
Art.	Pag.
375	4.35
376	4.35
380	4.28
382	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-

2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	75	95	125		145			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	3.21.00220	3.22.10220	3.23.20220	3.23.30220	3.24.20220	3.24.30220	3.24.40220	3.24.50220

Art. 22

Morsa **XL** ad apertura singola con ganasce **ridotte rettificate.**
(Maggior Pressione)



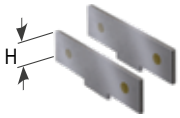
Monoblocco - Solid

Single opening **XL** vise with **narrow ground** jaws
(Higher Pressure)

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313R

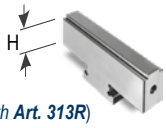
Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
H	23	33	43	53

Art. 213

Ganascia mobile intermedia
(*da usare con* ***Art. 313R***)
Intermediate movable jaw (*to be used with* ***Art. 313R***)



Cod.	1.21.31000	1.21.32000	1.21.33000	1.21.34000

Art. 218

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000

Art. 243G

Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica
Narrow width jaw plate with GRIP inserts with magnetic parallel

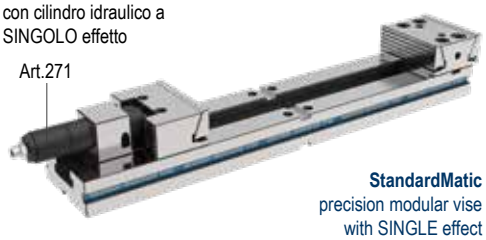


Cod.	1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400

Art. 22E

NEW 2021

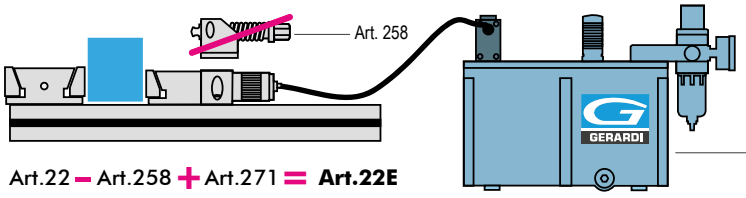
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic
precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

MORSE StandardMatic



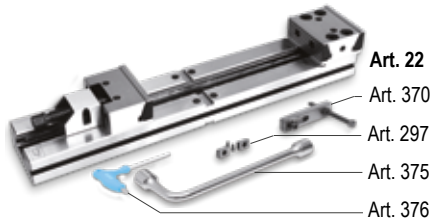
Art.22 − Art.258 + Art.271 = **Art.22E**

CENTRALINA POWER UNIT
(EXTRA)

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

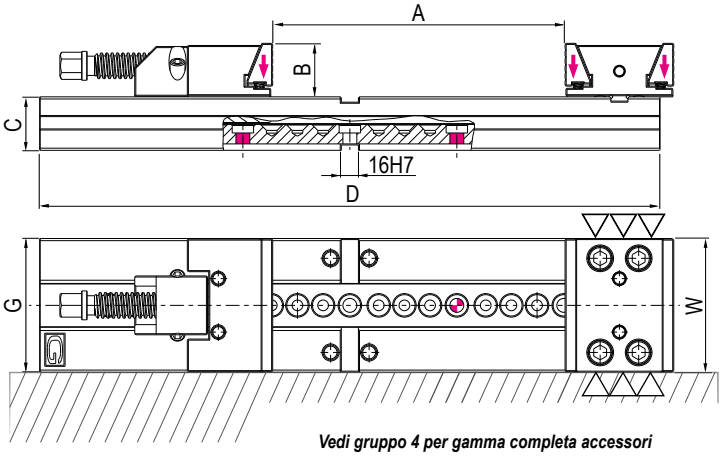
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

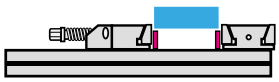
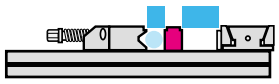
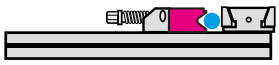
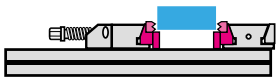
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	500	600	700	800	900	500	600	700	800	900	1000	1100
W			170						195			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	3.25.20220	3.25.30220	3.25.40220	3.25.50220	3.25.60220	3.26.20220	3.26.30220	3.26.40220	3.26.50220	3.26.60220	3.26.70220	3.26.80220

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3R50C	4.31.3R60C
Art. 313R		
	53	68
	1.21.35000	1.21.36000
Art. 213		
	2.21.85000	2.21.86000
Art. 218		
	1.24.3G500	1.24.3G600
Art. 243G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

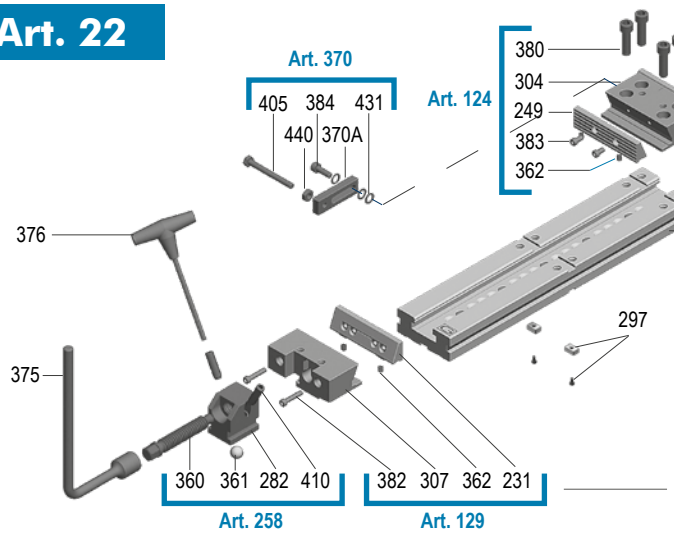
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 22





Art.	Pag.
42	2.32
231	4.9
249	4.9
282	4.36
297	4.34
304	4.29
307	4.29
360	4.36
361	4.36
362	4.28
370A	4.35

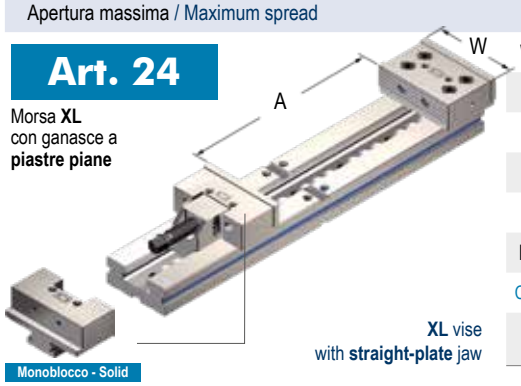
Art.	Pag.
375	4.35
376	4.35
380	4.28
382	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-

2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	2.24.12900	2.24.23200	2.24.33600	2.24.34600	2.24.44000	2.24.45000	2.24.46000	2.24.47000

Art. 24

Morsa **XL**
con ganasce a
piastre piane



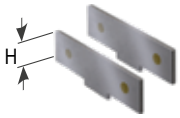
XL vise
with **straight-plate** jaw

Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

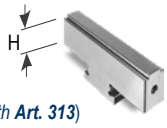
Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
H	23	33	43	53

Art. 212

Ganascia mobile intermedia
(*da usare con* ***Art. 313***)
Intermediate movable jaw (*to be used with* ***Art. 313***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 246

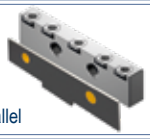
Piastra piana in acciaio lavorabile
Machinable steel straight jaw plate



Cod.	1.65.16200	1.65.26200	1.65.36200	1.65.46200

Art. 246G

Piastra ganascia con inserti GRIP
completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel

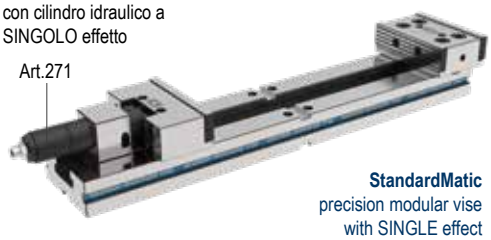


Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400

Art. 24E

NEW 2021

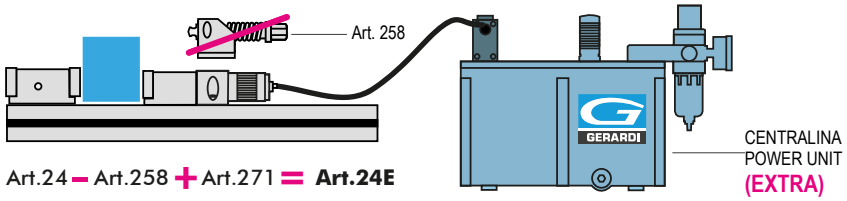
Morsa modulare **StandardMatic**
con cilindro idraulico a
SINGOLO effetto



StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

MORSE StandardMatic



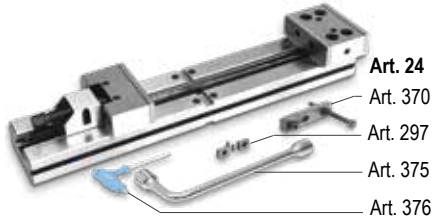
Art.24 − Art.258 + Art.271 = **Art.24E**

CENTRALINA
POWER UNIT
(EXTRA)

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

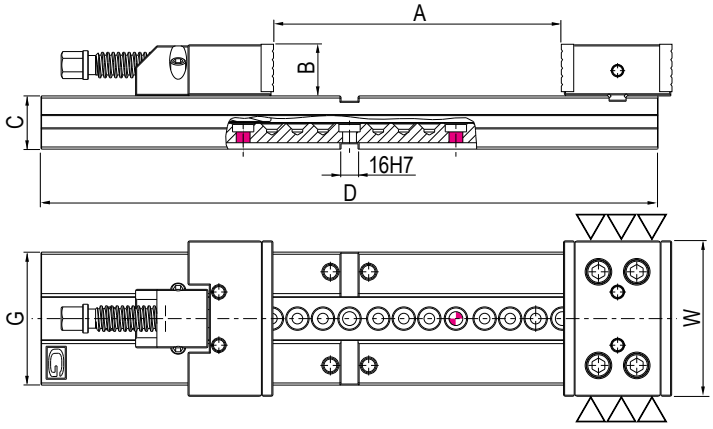
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

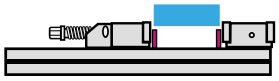
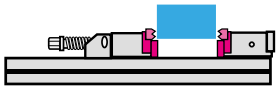
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	500	600	700	800	900	500	600	700	800	900	1000	1100
W			200						300			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	2.24.55000	2.24.56000	2.24.57000	2.24.58000	2.24.59000	2.24.65000	2.24.66000	2.24.67000	2.24.68000	2.24.69000	2.24.61000	2.24.61100

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3500C	4.31.3600C
Art. 313		
	53	68
	1.21.25000	1.21.26000
Art. 212		
	1.65.56200	1.65.66200
Art. 246		
	1.24.6G500	1.24.6G600
Art. 246G		

Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

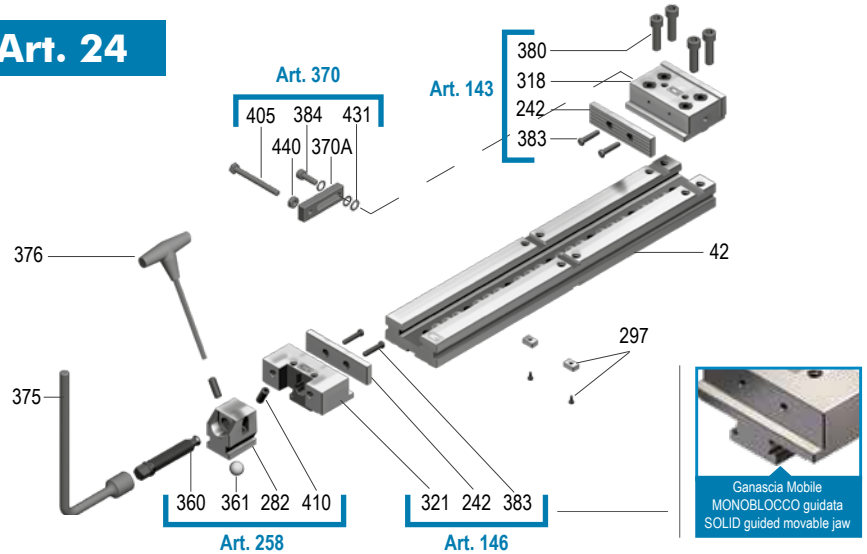
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 24



Art.	Pag.
42	2.32
242	4.11
282	4.36
297	4.34
318	4.30
321	4.30
360	4.36
361	4.36
370A	4.35
375	4.35
376	4.35

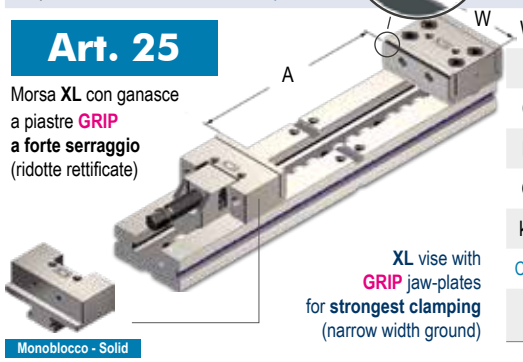
Art.	Pag.
380	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-
-	-
-	-

2

Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3		4			
		16 kN	25 kN	30 kN		30 kN			
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	75	95	125		145			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	2.25.12900	2.25.23200	2.25.33600	2.25.34600	2.25.44000	2.25.45000	2.25.46000	2.25.47000

Art. 25

Morsa **XL** con ganasce a piastre **GRIP** **a forte serraggio** (ridotte rettificate)



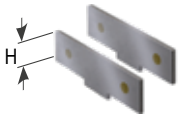
XL vise with **GRIP** jaw-plates for **strongest clamping** (narrow width ground)

Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313R

Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C		4.31.3R40C
H	23	33	43		53

Art. 218

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000

Art. 247

Piastra piana in acciaio lavorabile
Machinable steel straight jaw plate



Cod.	1.65.17200	1.65.27200	1.65.37200	1.65.47200

Art. 247G

Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica
Narrow width jaw plate with GRIP inserts with magnetic parallel

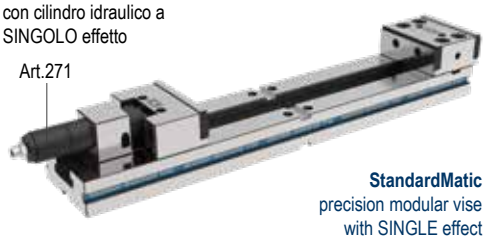


Cod.	1.24.7G100	1.24.7G200	1.24.7G300	1.24.7G400

Art. 25E

NEW 2021

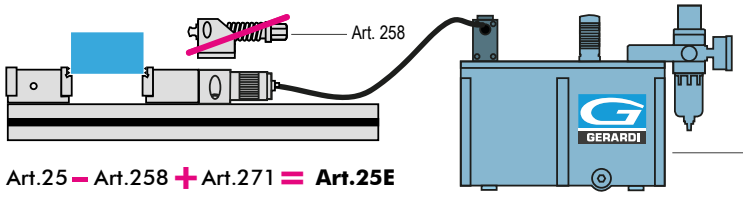
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic

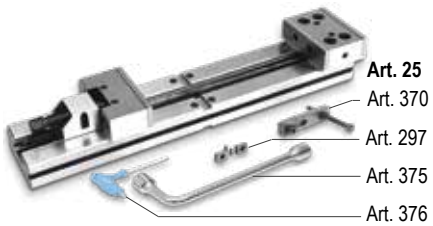


Art.25 − Art.258 + Art.271 = **Art.25E**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

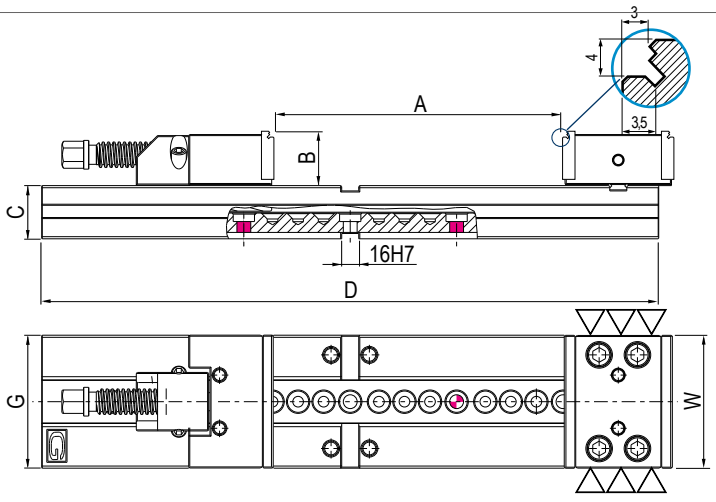
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	500	600	700	800	900	500	600	700	800	900	1000	1100
W			170						195			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	2.25.55000	2.25.56000	2.25.57000	2.25.58000	2.25.59000	2.25.65000	2.25.66000	2.25.67000	2.25.68000	2.25.69000	2.25.61000	2.25.61100

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3R50C	4.31.3R60C
Art. 313R		
	53	68
	2.21.85000	2.21.86000
Art. 218		
	1.65.57200	1.65.67200
Art. 247		
	1.24.7G500	1.24.7G600
Art. 247G		

Cod.

Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

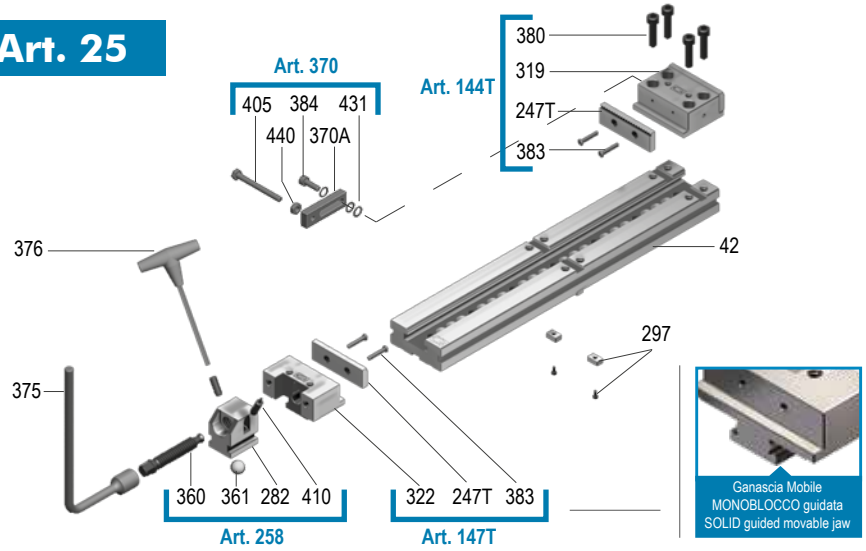
StandardMatic VISES

NEW 2021



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 25



Ganascia Mobile
MONOBLOCCO guidata
SOLID guided movable jaw

Art.	Pag.
42	2.32
247T	4.11
282	4.36
297	4.34
319	4.30
322	4.30
360	4.36
361	4.36
370A	4.35
375	4.35
376	4.35

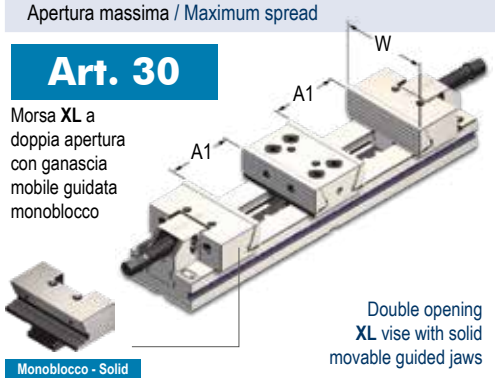
Art.	Pag.
380	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-
-	-
-	-

2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	14.5	21	39	43	59	64	69	74
	Cod.	3.31.00600	3.32.10600	3.33.20600	3.33.30600	3.34.20600	3.34.30600	3.34.40600	3.34.50600

Art. 30

Morsa **XL** a doppia apertura con ganascia mobile guidata monoblocco



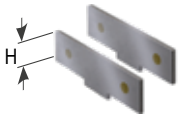
Monoblocco - Solid

Double opening **XL** vise with solid movable guided jaws

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

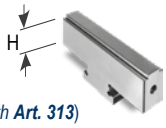
Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3100C	4.31.3200C	4.31.3300C		4.31.3400C
H	23	33	43		53

Art. 212

Ganascia mobile intermedia (*da usare con **Art. 313***)
Intermediate movable jaw (*to be used with **Art. 313***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 217

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000

Art. 242G

Piastra ganascia con inserti GRIP completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel

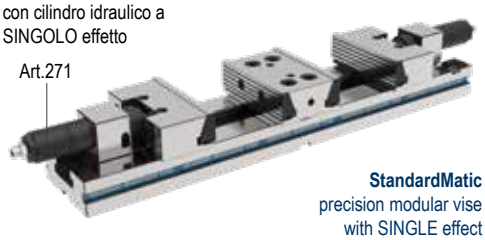


Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400

Art. 30E

NEW 2021

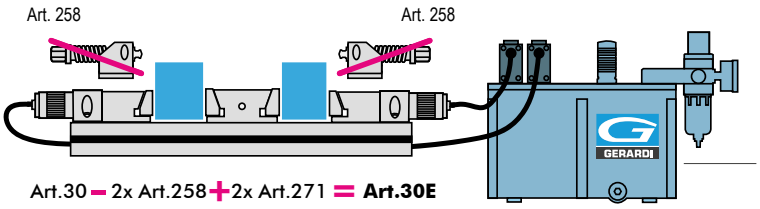
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic



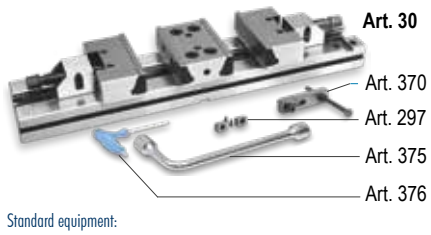
Art.30 − 2x Art.258 + 2x Art.271 = **Art.30E**

CENTRALINA POWER UNIT **(EXTRA)**

Dotazione standard:

- 2 arresti laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

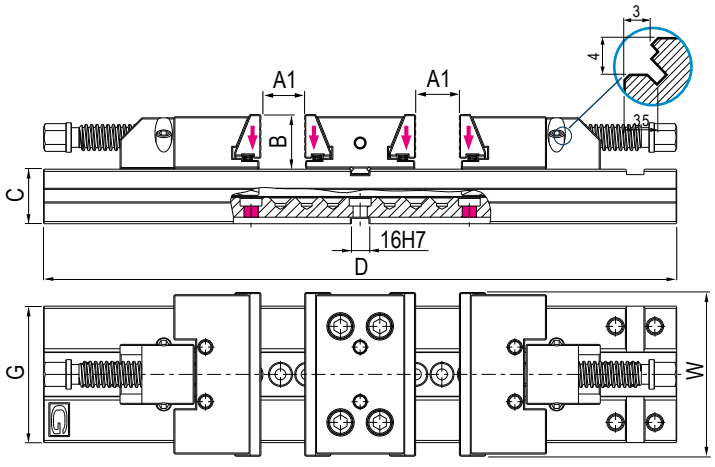
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)

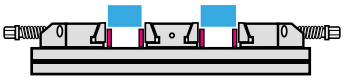


Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A1	2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410	2 x 460
W			200						300			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	96	102	108	114	120	155	163	171	179	187	195	213
Cod.	3.35.20600	3.35.30600	3.35.40600	3.35.50600	3.35.60600	3.36.20600	3.36.30600	3.36.40600	3.36.50600	3.36.60600	3.36.70600	3.36.80600

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C — 4.31.3600C



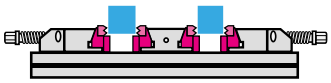
1.21.25000 — Art. 212 — 1.21.26000



2.21.75000 — Art. 217 — 2.21.76000



1.24.2G500 — Art. 242G — 1.24.2G600



Cod.

Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

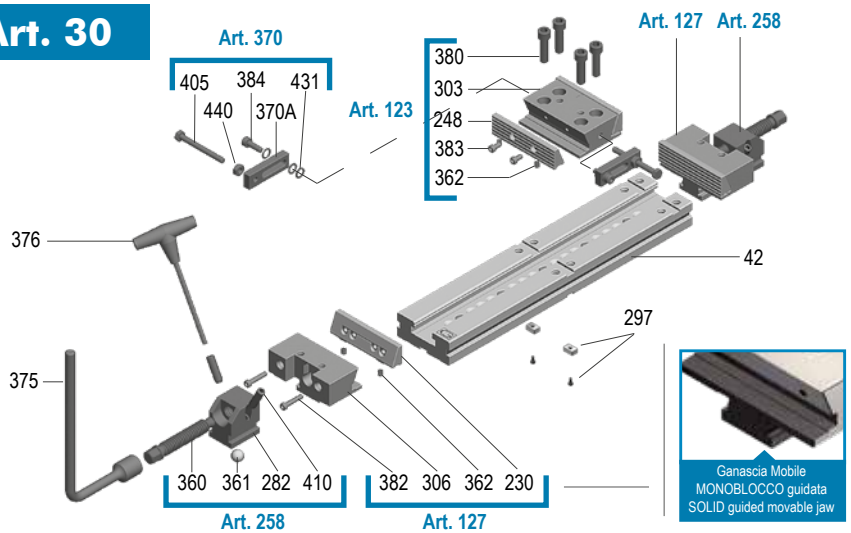
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 30



Art.	Pag.
42	2.32
230	4.9
248	4.9
282	4.36
297	4.34
303	4.29
306	4.29
360	4.36
361	4.36
362	4.28
370A	4.35

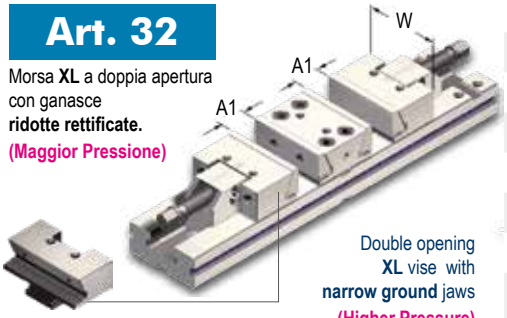
Art.	Pag.
375	4.35
376	4.35
380	4.28
382	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-

2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
	W	75	95	125		145			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	13.5	19.5	36	40	56	61	66	71
	Cod.	3.31.00720	3.32.10720	3.33.20720	3.33.30720	3.34.20720	3.34.30720	3.34.40720	3.34.50720

Art. 32

Morsa **XL** a doppia apertura con ganasce **ridotte rettificate.**
(Maggior Pressione)



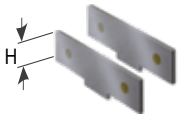
Double opening **XL** vise with **narrow ground** jaws
(Higher Pressure)

Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313R

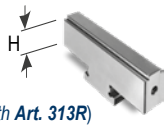
Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
H	23	33	43	53

Art. 213

Ganascia mobile intermedia
(*da usare con* ***Art. 313R***)
Intermediate movable jaw (*to be used with* ***Art. 313R***)



Cod.	1.21.31000	1.21.32000	1.21.33000	1.21.34000

Art. 218

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000

Art. 243G

Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica
Narrow width jaw plate with GRIP inserts with magnetic parallel

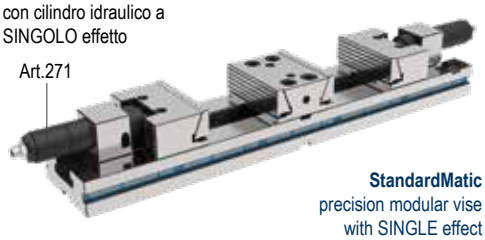


Cod.	1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400

Art. 32E

NEW 2021

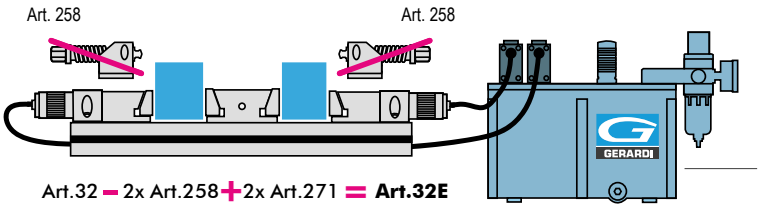
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic
precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic



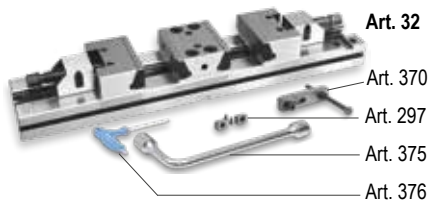
CENTRALINA POWER UNIT
(EXTRA)

Art.32 − 2x Art.258 + 2x Art.271 = **Art.32E**

Dotazione standard:

- 2 arresti laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

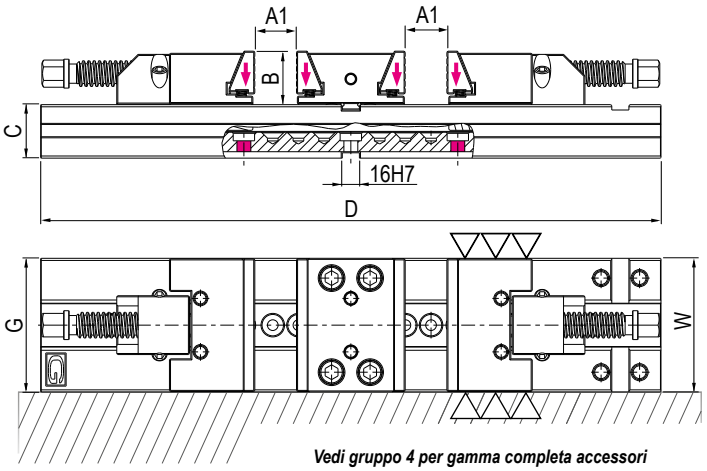
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

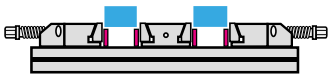
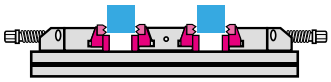
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A1	2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410	2 x 460
W			170						195			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	93	99	105	108	117	144	152	160	168	176	184	202
Cod.	3.35.20720	3.35.30720	3.35.40720	3.35.50720	3.35.60720	3.36.20720	3.36.30720	3.36.40720	3.36.50720	3.36.60720	3.36.70720	3.36.80720

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3R50C	4.31.3R60C
Art. 313R		
	53	68
	1.21.35000	1.21.36000
Art. 213		
	2.21.85000	2.21.86000
Art. 218		
	1.24.3G500	1.24.3G600
Art. 243G		

Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

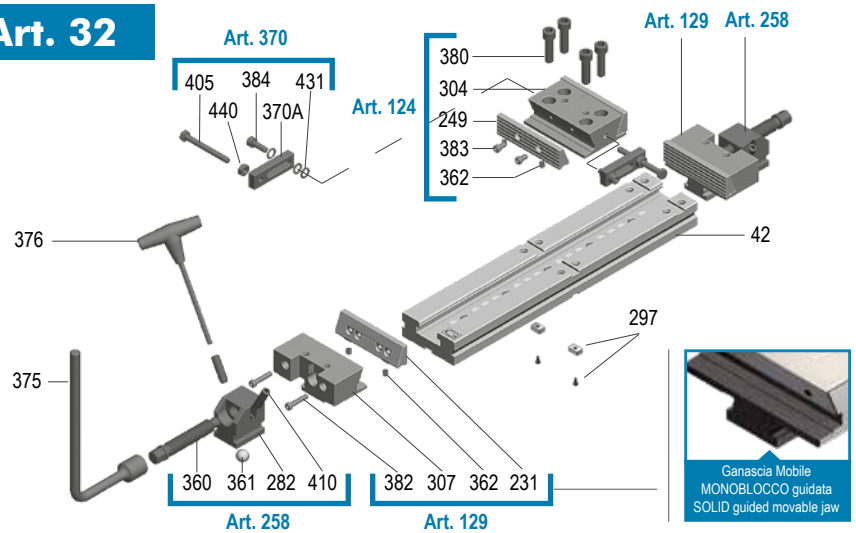
StandardMatic VISES

NEW 2021

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 32



Art.	Pag.
42	2.32
231	4.9
249	4.9
282	4.36
297	4.34
304	4.29
307	4.29
360	4.36
361	4.36
362	4.28
370A	4.35

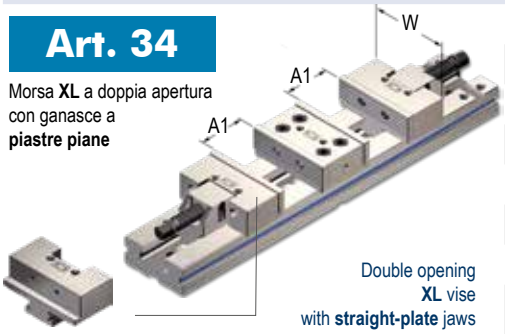
Art.	Pag.
375	4.35
376	4.35
380	4.28
382	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-

2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	2.34.19000	2.34.21000	2.34.31100	2.34.31600	2.34.41200	2.34.41700	2.34.42200	2.34.42700

Art. 34

Morsa **XL** a doppia apertura con ganasce a **piastre piane**



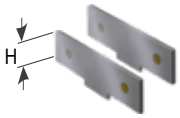
Double opening **XL** vise with **straight-plate** jaws

Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

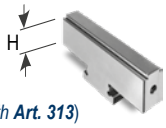
Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3100C	4.31.3200C	4.31.3300C		4.31.3400C
H	23	33	43		53

Art. 212

Ganascia mobile intermedia (*da usare con **Art. 313***)
Intermediate movable jaw (*to be used with **Art. 313***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 246

Piastra piana in acciaio lavorabile
Machinable steel straight jaw plate



Cod.	1.65.16200	1.65.26200	1.65.36200	1.65.46200

Art. 246G

Piastra ganascia con inserti GRIP completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel

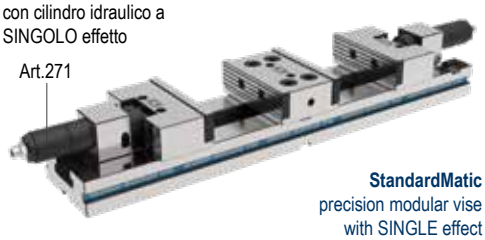


Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400

Art. 34E

NEW 2021

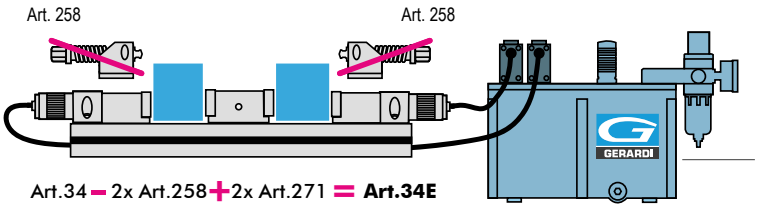
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

MORSE StandardMatic



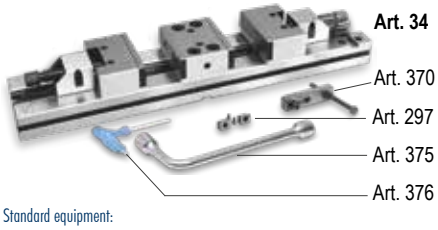
Art.34 − 2x Art.258 + 2x Art.271 = **Art.34E**

CENTRALINA POWER UNIT **(EXTRA)**

Dotazione standard:

- 2 arresti laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

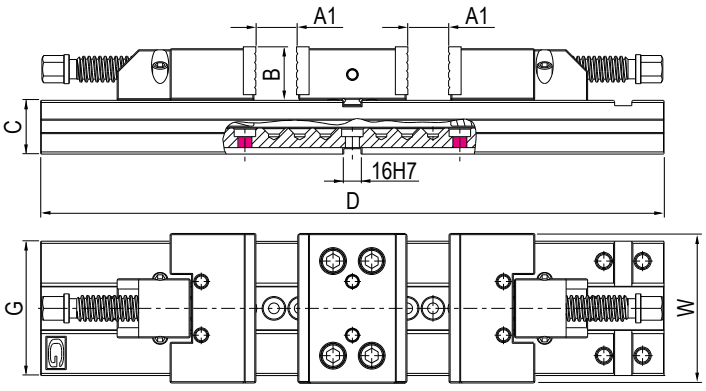
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

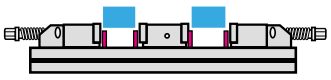
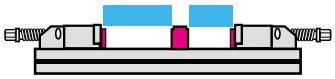
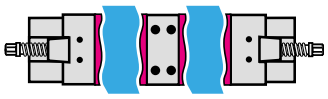
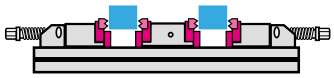
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A1	2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410	2 x 460
W			200						300			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	2.34.51500	2.34.52000	2.34.52500	2.34.53000	2.34.53500	2.34.61600	2.34.62100	2.34.62600	2.34.63100	2.34.63600	2.34.64100	2.34.64600

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C		4.31.3600C
53		68
1.21.25000		1.21.26000
Art. 212		
1.65.56200		1.65.66200
Art. 246		
1.24.6G500		1.24.6G600
Art. 246G		

Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

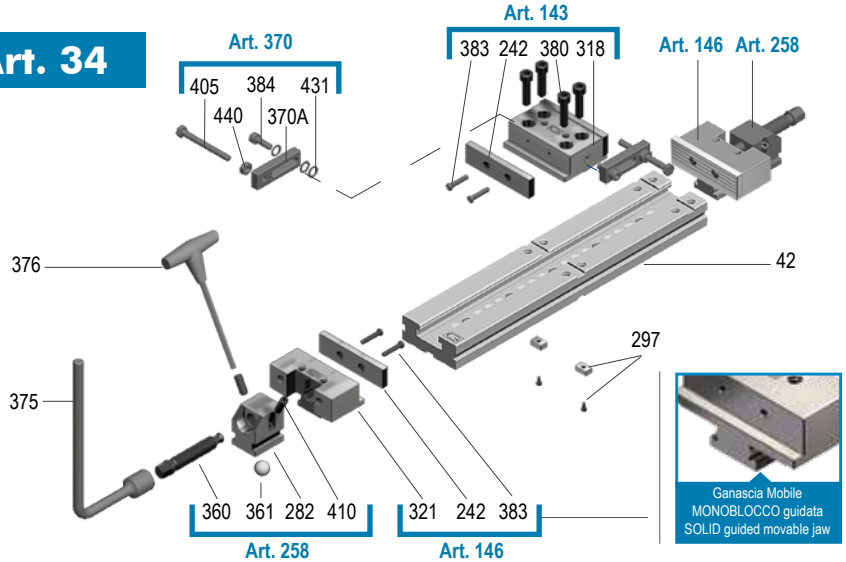
StandardMatic VISES

NEW 2021



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 34



Art.	Pag.
42	2.32
242	4.11
282	4.36
297	4.34
318	4.30
321	4.30
360	4.36
361	4.36
370A	4.35
375	4.35
376	4.35

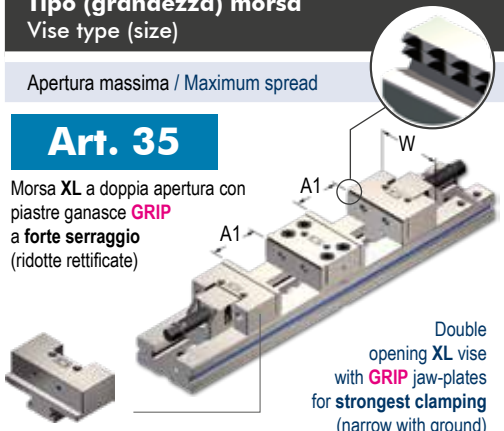
Art.	Pag.
380	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-
-	-
-	-

2

Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3		4			
		16 kN	25 kN	30 kN		30 kN			
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
	W	75	95	125		145			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	2.35.19000	2.35.21000	2.35.31100	2.35.31600	2.35.41200	2.35.41700	2.35.42200	2.35.42700

Art. 35

Morsa **XL** a doppia apertura con piastre ganasce **GRIP** a **forte serraggio** (ridotte rettificate)



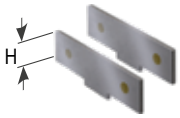
Double opening **XL** vise with **GRIP** jaw-plates for **strongest clamping** (narrow with ground)

Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313R

Coppia di Parallele magnetiche
Pair of magnetic parallel plates



Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C		4.31.3R40C
H	23	33	43		53

Art. 218

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.81000	2.21.82000	2.21.83000		2.21.84000

Art. 247

Piastra piana in acciaio lavorabile
Machinable steel straight jaw plate



Cod.	1.65.17200	1.65.27200	1.65.37200		1.65.47200

Art. 247G

Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica
Narrow width jaw plate with GRIP inserts with magnetic parallel

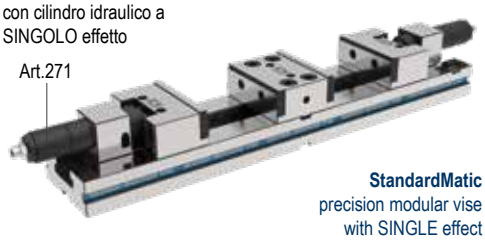


Cod.	1.24.7G100	1.24.7G200	1.24.7G300		1.24.7G400

Art. 35E

NEW 2021

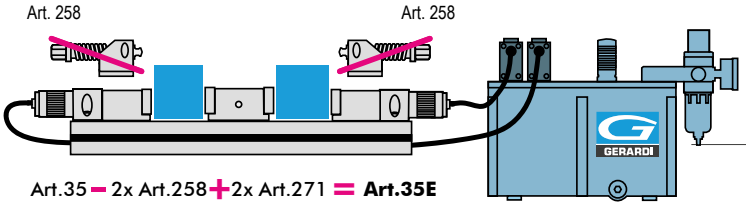
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41				

MORSE StandardMatic



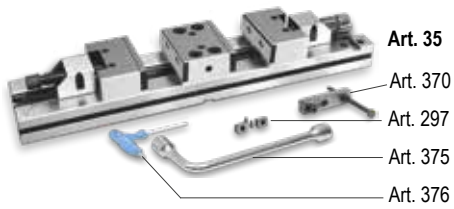
Art.35 − 2x Art.258 + 2x Art.271 = **Art.35E**

CENTRALINA POWER UNIT **(EXTRA)**

Dotazione standard:

- 2 arresti laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

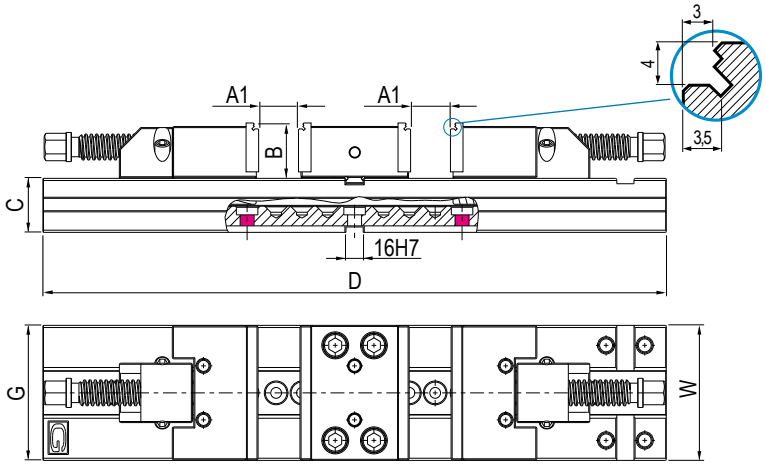
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:

- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

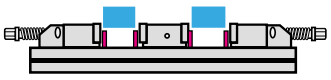
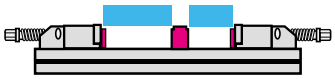
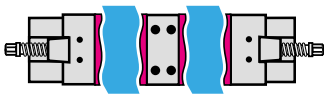
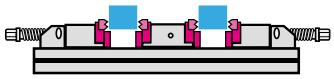
Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A1	2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410	2 x 460
W			170						195			
B			65						80			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	2.35.51500	2.35.52000	2.35.52500	2.35.53000	2.35.53500	2.35.61600	2.35.62100	2.35.62600	2.35.63100	2.35.63600	2.35.64100	2.35.64600

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.31.3R50C	4.31.3R60C
Art. 313R		
	53	68
	2.21.85000	2.21.86000
Art. 218		
	1.65.57200	1.65.67200
Art. 247		
	1.24.7G500	1.24.7G600
Art. 247G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

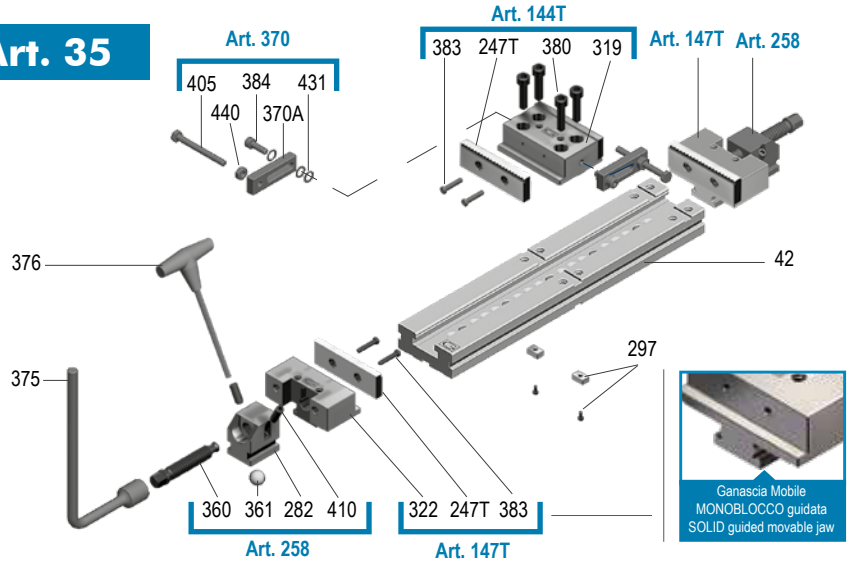
StandardMatic VISES

NEW 2021



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 35



Art.	Pag.
42	2.32
247T	4.11
282	4.36
297	4.34
319	4.30
322	4.30
360	4.36
361	4.36
370A	4.35
375	4.35
376	4.35

Art.	Pag.
380	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-
-	-
-	-

2

Morse e Cubi / *Vises & Vise Towers*

XL (flex)

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

Basi extra lunghe e piastre ganasce a cambio rapido!

Extra long bases and quick interchangeable jaw plate !

USURA INESISTENTE / *NO WEAR*

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. Costruzione completamente in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 58±2 HRC. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo 5 ANNI DI GARANZIA su tutto il programma morse e organi meccanici in genere.

Thanks to the manufacturing with only the most suitable materials and to the structure of the vise components (developed using computer customised softwares and the experience gained during many years spent working on the specific field). High alloyed quality resistance steel, case hardened HRC 58 ±2, is used in manufacturing all the Gerardi vises and accessories in order to give maximum rigidity, high performances and no wear. As evidence we give 5 YEARS WARRANTY on all the vises and mechanical components.

MODULARITÀ / *MODULARITY*

Tutte le morse ed accessori sono elementi componibili, intercambiabili e perfettamente allineabili fra loro e con i quali è possibile ottenere differenti soluzioni di bloccaggio. Secondo tale principio l'unico elemento che differenzia le attrezzature con identica larghezza di presa è la base (la cui lunghezza determina la massima apertura della morsa), mentre gli altri componenti sono identici. Mediante l'aggiunta o semplice sostituzione di alcuni particolari si può variare la tipologia di bloccaggio secondo le proprie esigenze utilizzando la stessa attrezzatura acquistata in un primo momento (bloccaggi singoli, con base girevole, doppi, verticali, di pezzi piani, tondi, piatti e grezzi, manuali, idraulici o pneumatici).

All vises and accessories are modular and components of all our vises will interchange with perfect alignment to provide different workholding solutions. With this basic principle the only difference between fixtures with the same width of clamping is the base (whose length determines the maximum opening of the vise), while the rest of components have same dimensions. Through the simple addition or substitution of some particulares You can change the type of clamping as Your needs require using the same fixture purchased before (single clamping, swivel base, double, vertical, smooth or round or flat or rough workpieces, manual, hydraulic or pneumatic).

DESIGN COMPATTO / *SPACE SAVING DESIGN*

La semplicità nonché la compattezza costruttiva consentono un'apertura notevole rispetto all'ingombro totale dell'attrezzatura. Inoltre lo stesso peso (solo 25 kg per una morsa da 150 mm di larghezza ganascia) è tale da consentire un facile trasferimento da una macchina all'altra.

The space saving design and solid construction allow a maximum blocking ratio to total overall dimension of the vise. Furthermore the weight (only 25 kg for a 150 mm jaw width vise) allows a simple moving from one machine to another.

SERRAGGI RAPIDI / *QUICK CLAMPING*

Grazie allo scorrimento del gruppo di serraggio nella guida della base (a cremagliera) fino in prossimità del pezzo da lavorare dove si adatterà automaticamente alla nicchia più vicina. L'operazione di serraggio si conclude agendo sulla vite di bloccaggio. Oltre a quello manuale meccanico, sono disponibili 4 ulteriori sistemi di serraggio intecambiabili e indipendenti: 1 - Idraulici / 2 - Pneumatici / 3 - Idraulici manuali / 4 - Idraulici elettrici. L'operazione è in termini di secondi.

Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1- Hydraulic / 2- Pneumatic / 3- Manual hydraulic / 4- Electrical hydraulic. The change needs only few seconds.

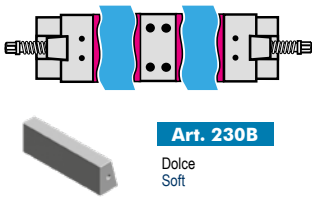


Portapiastre / *The Rack*

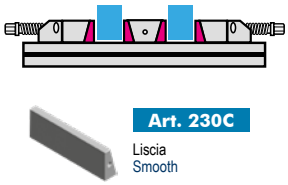
Completo di piastre ganasce a cambio rapido a gradino Art.230E
Complete of quick change step jaw plates Art.230E

Vedi Pag. 4.21 - See Page.4.22

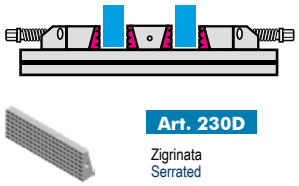
PIASTRE GANASCE DISCENDENTI INTERCAMBIABILI MANUALMENTE
PULL DOWN JAW PLATES INTERCHANGEABLE BY HAND



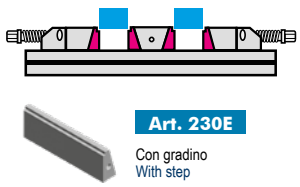
Art. 230B
Dolce
Soft



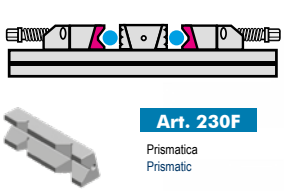
Art. 230C
Liscia
Smooth



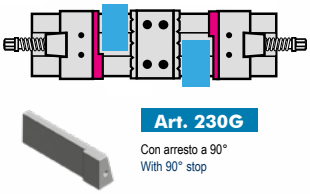
Art. 230D
Zigrinata
Serrated



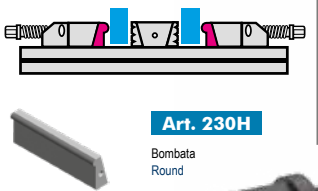
Art. 230E
Con gradino
With step



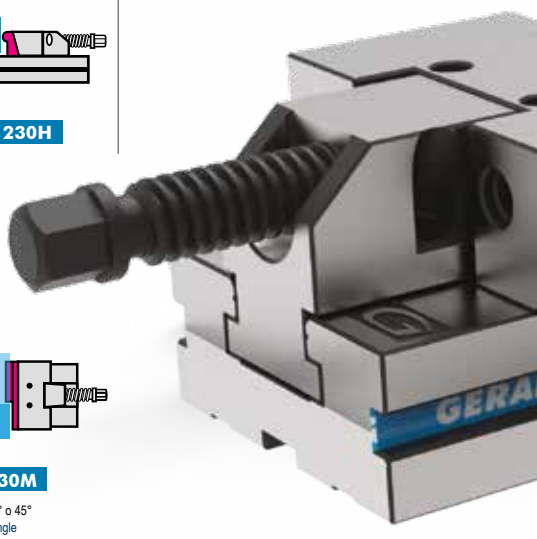
Art. 230F
Prismatica
Prismatic



Art. 230G
Con arresto a 90°
With 90° stop



Art. 230H
Bombata
Round





Art. 230M
Angolo di 30° o 45°
30° or 45° angle

La morsa Gerardi XL come le sorelle più corte StandardFLEX, possono essere dotate di piastre ganasce a cambio rapido permettendo in questo modo oltra la lavorazione di un numero maggiore di pezzi sfruttando al massimo la lunghezza della tavola della macchina utensile anche la sostituzione rapida delle piastre ganasce che avviene manualmente e senza l'ausilio di alcun utensile, questo è possibile grazie al sistema Perno-molla, che consente un diverso utilizzo della morsa in tempi ridottissimi.
Grazie al sistema a Pettine di rigatura prismatica delle piastre ganascia, risulta migliorato anche l'effetto discendente che durante la fase di serraggio, trascina il pezzo contro lo slittone garantendo anche una notevolissima precisione di riposizionamento.

The Gerardi XL vises as the StandardFLEX series, can be equipped with the pull down jaw plates allowing to machine more workpieces using the total length of the machine tool and the quickest jaw plate hand substitution without any tool. This is possible thanks to the new design with pin with spring which increases the standard vise versatility while the prismatic grooves allow a perfect repositioning accuracy (within microns !!).

SCAN IT TO WATCH THE
VIDEO PRESENTATION

5 YEARS WARRANTY

Dotata del geniale sistema a pettine per sostituire rapidamente la piastra ganascia discendente

Innovative Comb system for quick pull-down jaw plate change



Riconfigurazione Rapidissima
Quickest Vise Resetting

grazie alla piastra ganascia intercambiabile manualmente tramite sistema a pettine

Thanks to the quick interchangeable jaw plate through ground comb system



Altissima ripetibilità di posizionamento
Highest repositioning accuracy
±0,005mm

Veloce e preciso grazie alla forma rettificata del sistema a pettine

Quick and accurate jaw plate thanks the grid shape of the comb system

Due serie di chiavette per due posizioni alternative delle ganasce fisse doppie

Two differents keyways for two alternatives positions of the double fixed jaw



Ganascia Fissa Doppia
Double Fixed Jaw

Art.30A

Effetto discendente
Pull Down Action

Effetto discendente amplificato e migliorato e migliore protezione dai trucioli grazie al sistema a pettine

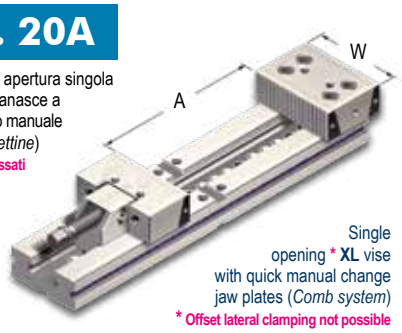
Increased and better pull down action and better protection from chips thanks to the comb system

2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	96	121	146		171			
	B	28	38	48		58			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	2.20.A1290	2.20.A2320	2.20.A3360	2.20.A3460	2.20.A4400	2.20.A4500	2.20.A4600	2.20.A4700

Art. 20A

Morsa * **XL** a apertura singola con piastre ganasce a cambio rapido manuale (*Sistema a pettine*)
* Serraggi disassati lateralmente non possibili



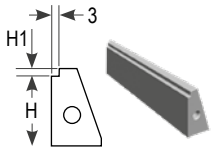
Single opening * **XL** vise with quick manual change jaw plates (*Comb system*)
* Offset lateral clamping not possible

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 230E

Piastra ganascia intercambiabile
Interchangeable jaw plate

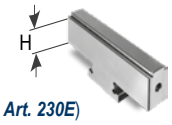
Vedi pagina 4.21 per altezze disponibili
See page 4.21 for available height



Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401	
H	23	33	43	53	
H1	5	5	5	5	

Art. 212

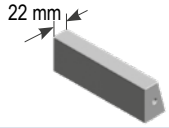
Ganascia mobile intermedia
(*da usare con* ***Art. 230E***)
Intermediate movable jaw (*to be used with* ***Art. 230E***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate

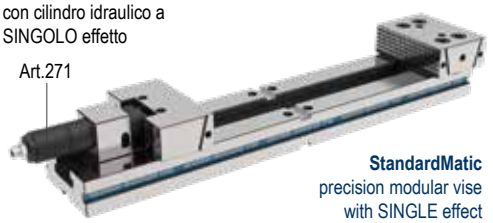


Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401

Art.20AE

NEW 2021

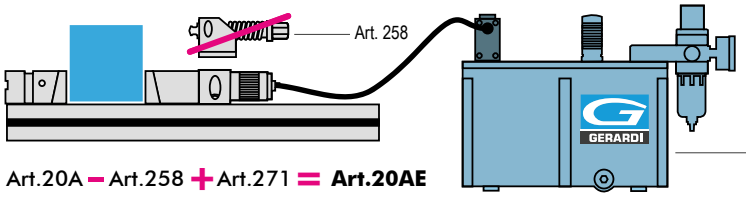
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

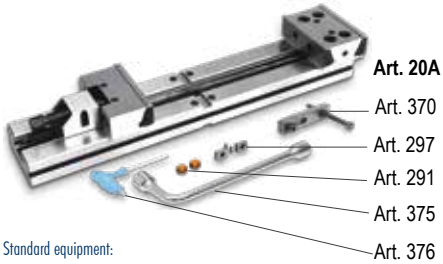
MORSE StandardMatic



Art.20A − Art.258 + Art.271 = **Art.20AE**

Dotazione standard:
- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 2 tappi Art. 291 ■ 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

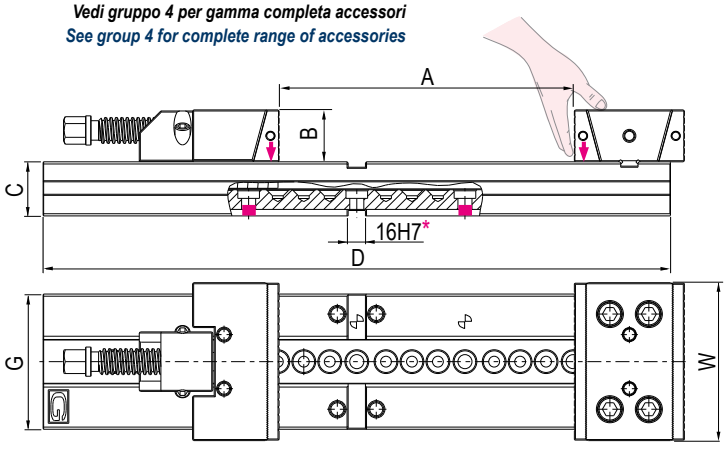
Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)



Standard equipment:
- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 2 inserts Art. 291 ■ 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)

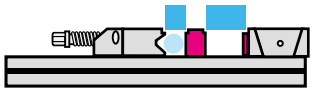
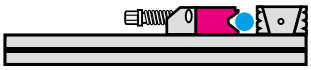
Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories



*Versione normale: Cave da 16H7 e fori calibrati Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)
*Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)

	5 40 kN					6 40 kN						
A	500	600	700	800	900	500	600	700	800	900	1000	1100
W			196						296			
B			63						78			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	2.20.A5500	2.20.A5600	2.20.A5700	2.20.A5800	2.20.A5900	2.20.A6500	2.20.A6600	2.20.A6700	2.20.A6800	2.20.A6900	2.20.A6100	2.20.A6110

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.23.0E501		4.23.0E601
Art. 230E			
H	53		68
H1	10		10
	1.21.25000		1.21.26000
Art. 212			
	4.23.0B501		4.23.0B601
Art. 230B			
	4.23.0F501		4.23.0F601
Art. 230F			

Cod.

Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

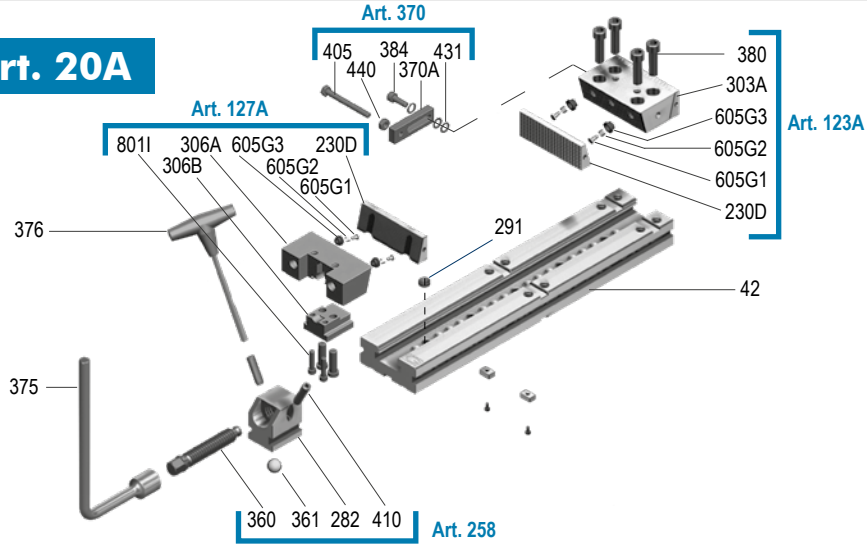
StandardMatic VISES

NEW 2021



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 20A



Art.	Pag.
42	2.32
230D	4.21
282	4.36
291	4.35
297	4.34
303A	4.30
306A	4.30
306B	4.30
360	4.36
361	4.36
370A	4.35
375	4.35

Art.	Pag.
376	4.35
380	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
605G1	4.22
605G2	4.22
605G3	4.22
801I	5.61
-	-

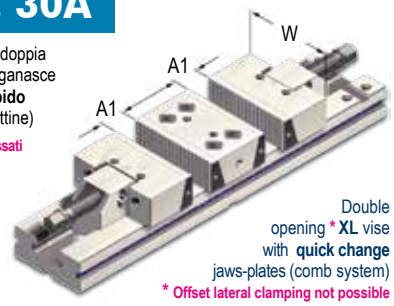
2

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
	W	96	121	146		171			
	B	28	38	48		58			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	2.30.A1900	2.30.A2100	2.30.A3110	2.30.A3160	2.30.A4120	2.30.A4170	2.30.A4220	2.30.A4270

Art. 30A

Morsa * **XL** a doppia apertura con ganasce a **cambio rapido** (sistema a pettine)

* Serraggi disassati lateralmente non possibili



Double opening * **XL** vise with **quick change** jaws-plates (comb system)

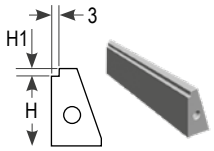
* Offset lateral clamping not possible

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 230E

Piastra ganascia intercambiabile
Interchangeable jaw plate

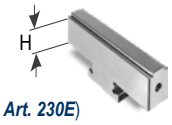
Vedi pagina 4.21 per altezze disponibili
See page 4.21 for available height



Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401	
H	23	33	43	53	
H1	5	5	5	5	

Art. 212

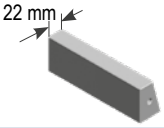
Ganascia mobile intermedia
(*da usare con **Art. 230E***)
Intermediate movable jaw (*to be used with **Art. 230E***)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate

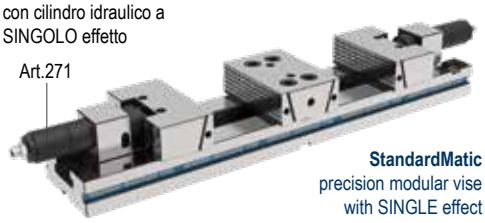


Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401

Art.30AE

NEW 2021

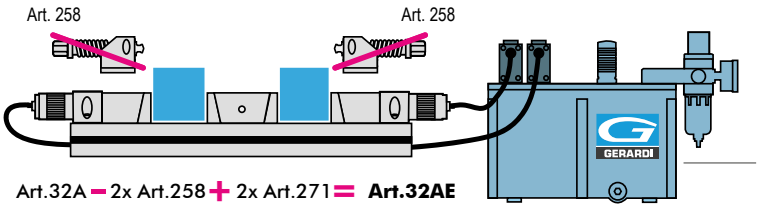
Morsa modulare **StandardMatic** con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic



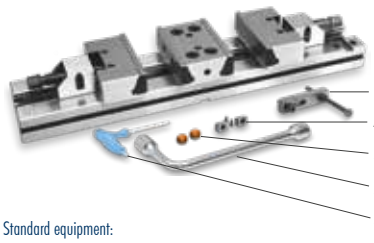
CENTRALINA POWER UNIT **(EXTRA)**

Art.32A − 2x Art.258 + 2x Art.271 = **Art.32AE**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 2 tappi Art. 291 ■ 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7)
Extra per ogni chiavetta (tolleranza H7)

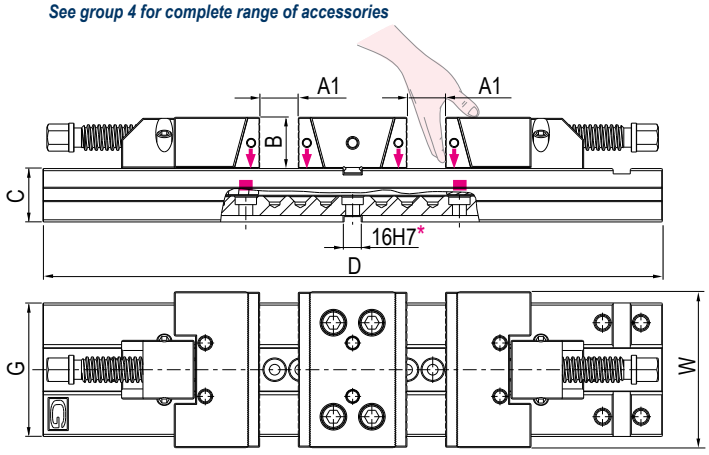


Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 2 inserts Art. 291 ■ 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)
Extra charge for each calibrated key nut (F7 tolerance)

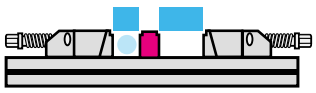
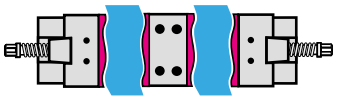
Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories



*Versione normale: Cave da 16H7 e fori calibrati Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)
*Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)

	5 40 kN					6 40 kN						
A1	2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410	2 x 460
W			196						296			
B			63						78			
C			70						78			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	2.30.A5150	2.30.A5200	2.30.A5250	2.30.A5300	2.30.A5350	2.30.A6160	2.30.A6210	2.30.A6260	2.30.A6310	2.30.A6360	2.30.A6410	2.30.A6460

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	4.23.0E501		4.23.0E601
Art. 230E			
H	53		68
H1	10		10
	1.21.25000		1.21.26000
Art. 212			
	4.23.0B501		4.23.0B601
Art. 230B			
	4.23.0F501		4.23.0F601
Art. 230F			

Cod.

Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

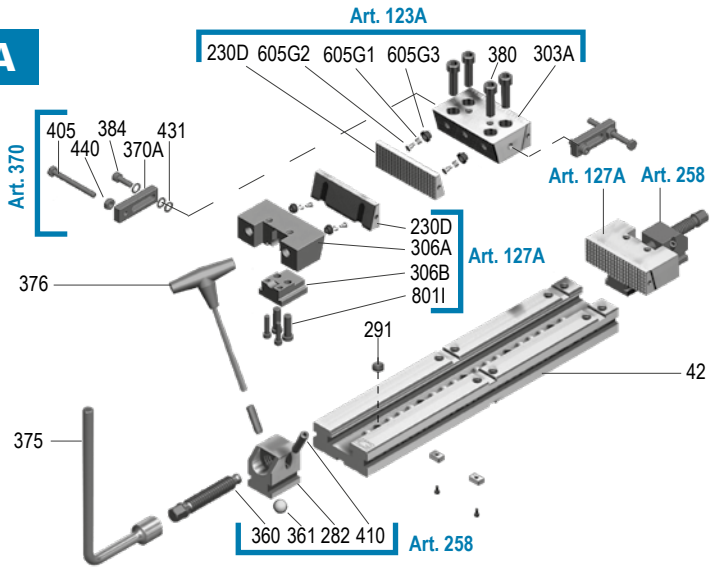
StandardMatic VISES

NEW 2021



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 30A



Art.	Pag.
42	2.32
230D	4.21
282	4.36
291	4.35
297	4.34
303A	4.30
306A	4.30
306B	4.30
360	4.36
361	4.36
370A	4.35
375	4.35

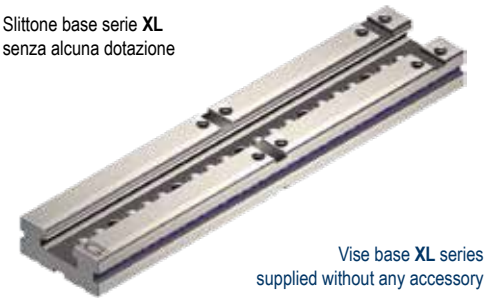
Art.	Pag.
376	4.35
380	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
605G1	4.22
605G2	4.22
605G3	4.22
801I	5.61
-	-

2

Tipo (grandezza) / Type (size)	1	2	3		4			
D	450	520	580	680	666	766	866	966
kg	6.6	10.7	20.7	24.7	30.2	34.8	39.3	43.8
Cod.	1.80.11460	1.80.21520	1.80.31580	1.80.31680	1.80.41666	1.80.41766	1.80.41866	1.80.41966

Art. 42

Slittone base serie **XL**
senza alcuna dotazione



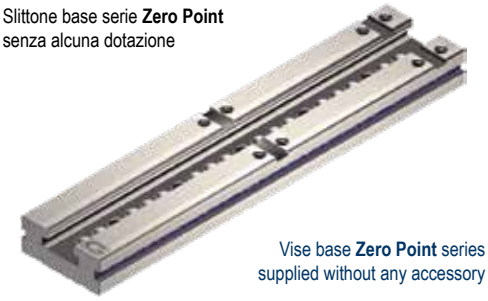
Vise base **XL** series
supplied without any accessory

Versione normale: Cave da 16 mm (**H7**)
Versione opzionale: Fori rettificati e calibrati con tolleranza **F7**
Extra per ogni foro calibrato (Tolleranza F7)

Art. 42Z

D	450	520	580	680	666	766	866	966
kg	6.4	10.5	20.5	24.5	29.9	34.5	39	43.5
Cod.	2.42.Z1460	2.42.Z2520	2.42.Z3580	2.42.Z3680	2.42.Z4666	2.42.Z4766	2.42.Z4866	2.42.Z4966

Slittone base serie **Zero Point**
senza alcuna dotazione

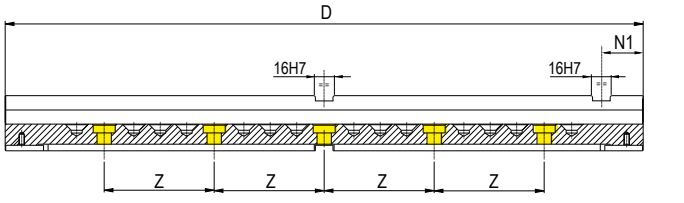


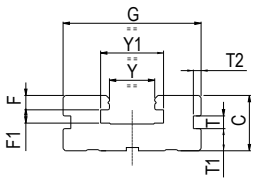
Vise base **Zero Point** series
supplied without any accessory

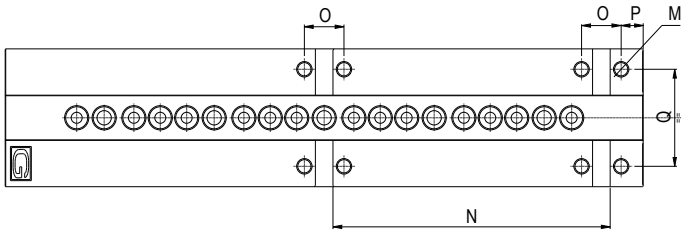
Tolleranza / Tolerance								
- 0,02	C	35	40	50		38		
	D	450	520	580	680	666	766	866	966
	F	10	12	13		15		
	F1	10	10	12		18		
	G	75	95	125		145		
	Y	21	28	41		51		
	Y1	31	41	57		70		
	M	M10	M12	M14		M16		
	N	195	225	252	302	293	343	393	443
	N1	35	35	38		40		
	O	32	32	36		36		
	P	19	19	20		22		
	Q	50	62	88		100		
	T	9,5	9,5	11,5		11,5		
	T1	15	15	20		20		
	T2	5	5	7		7		
	Z	100	100	100		100		

Art. 42

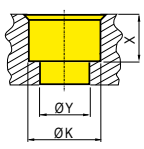
Slittone base serie **XL** / Vise base **XL** series







Dettaglio foro per vite TCEI / TCEI screw hole details



Type	1	2	3	4	5	6
X	4,5	5,5	8	8	17	17
Ø Y	6,5	8,5	13	13	17	17
Ø K	10,5	13,5	19	19	26	26

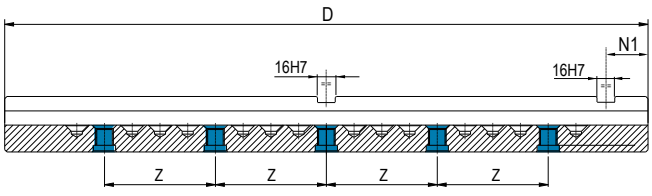
	5					6						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.80.51805	1.80.51905	1.80.51005	1.80.51105	1.80.51205	1.80.61900	1.80.61000	1.80.61100	1.80.61200	1.80.61300	1.80.61400	1.80.61500

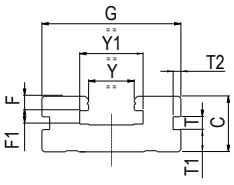
Normal version: 16 mm slots (**H7**)
Optional version: Ground calibrated holes **F7** tolerance
Extra for each calibrated hole (F7 tolerance)

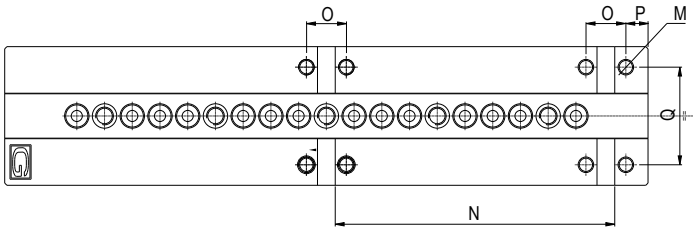
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
kg	60	65	70	75	80	91	101	111	121	131	141	151
Cod.	2.42.Z5805	2.42.Z5905	2.42.Z5005	2.42Z5105	2.42.Z5205	2.42.Z6900	2.42.Z6100	2.42.Z6110	2.42.Z6120	2.42.Z6130	2.42.Z6140	2.42Z6150

C			70						58			
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
F			20						20			
F1			18						18			
G			170						195			
Y			61						71			
Y1			80						90			
M			M20						M20			
N	357,5	407,5	457,5	507,5	557,5	405	455	505	555	605	655	707
N1			45						45			
O			44						44			
P			23						23			
Q			120						133			
T			17,5						17,5			
T1			26						26			
T2			10						10			
Z			100						100			

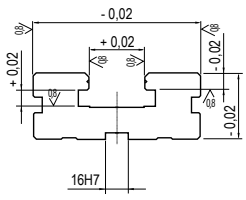
Art. 42Z Slittone base serie **Zero Point** / Vise base **Zero Point** series



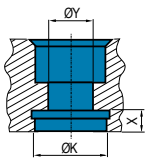




Tolleranze generiche per morse **XL** / **XL** vise generic tolerances



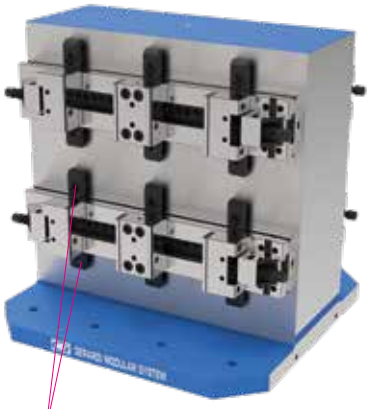
Dettaglio foro per Zero Point / ***Zero Point hole details***



Type	1	2	3	4	5	6
X			6			
Y	M16	M16	M16	M16	M16	M16
Ø K			20			

2

PREDISPOSIZIONE e MONTAGGIO MORSE su SPALLE LAVORATE
TOMBSTONES SET-UP and VISES MOUNTING on 2 SIDE MACHINED TOMBSTONES

Spalla lavorata Art.55C 2 sides machined tombstone Art.55C	**Tipo di morsa** Vise type	**Predisposizione e montaggio*** Set-up & Mounting*	**Cubo con morse** Cube with vises
Cod. 8.55.C00191 Dim. A=800 / B=800 / C=300 / H=800	Art.35 Tipo 4 2x170	Per morsa / each vise	
			
n°morse Vises n° **x 4**		Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni morsa. Amount needed for the set-up of each side and mounting + alignement of each vise on it.	 Art.296

* Predisposizione 4 facce, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
4 Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

MONTAGGIO e ALLINEAMENTO MORSE su SPALLE a RETICOLO
ALIGNEMENT and VISES MOUNTING on 2 SIDE GRID TOMBSTONES

Spalla a reticolo Art.55F 2 sides grinded tombstone Art.55F	**Tipo di morsa** Vise type	**Montaggio e allineamento*** Mounting & alignment*	**Cubo con morse** Cube with vises
Cod. 8.55.F00191 Dim. A=800 / B=800 / C=300 / H=800	Art.35 Tipo 4 2x170	Per morsa / each vise	
			
n°morse Vises n° **x 6**		Importo per montaggio ed allineamento di ogni morsa. Amount need for each vise mounting and alignement.	 Art.83

* Montaggio e allineamento 4 morse incluso di viti, chiavette, staffe e quant'altro necessario.
4 vises mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

Diagrammi di serraggio / *Clamping diagrams*

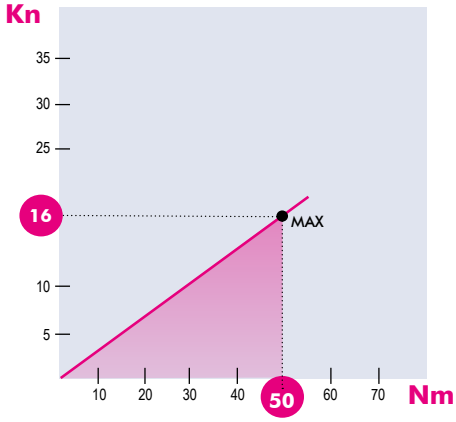
XL extra long bases

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Morse tipo **1**
Vises type

Vite M12 - Passo 1,75mm - Screw M12 - Pitch 1,75mm

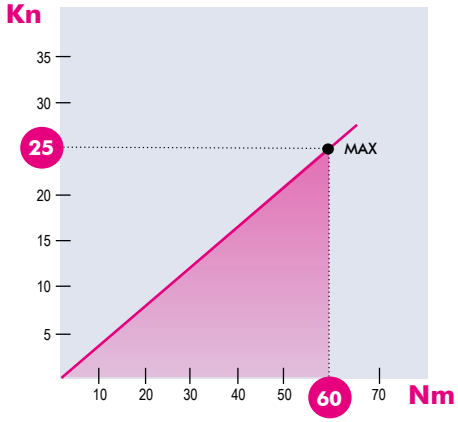




Art. 357

Morse tipo **2**
Vises type

Vite TPN18 - Passo 4mm - Screw TPN18 - Pitch 4mm

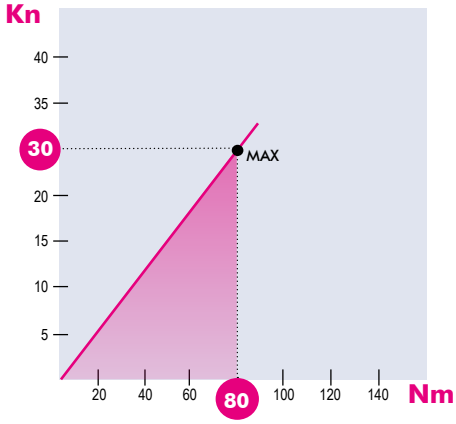


Gruppi di serraggio meccanici (Art. 258 e similari) / Mechanical clamping devices (Art. 258 and similar)

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), in funzione del momento applicato
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) depending on the torque

Morse tipo **3-4**
Vises type

Vite TPN24 - Passo 5mm - Screw TPN24 - Pitch 5mm

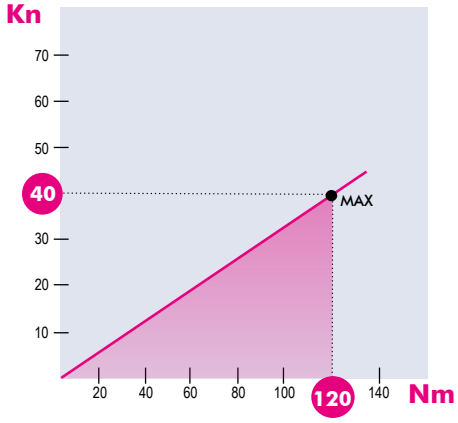


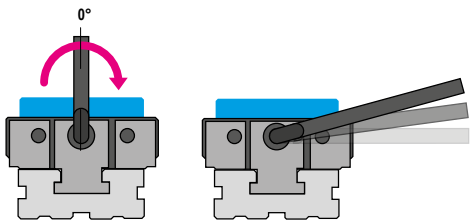


Art. 357

Morse tipo **5-6**
Vises type

Vite TPN30 - Passo 5mm - Screw TPN30 - Pitch 5mm





Serrare il pezzo agendo sulla vite di spinta con la chiave in dotazione senza utilizzare tubi o martelli.
Attenzione: nel serraggio basta 1/4 di giro della chiave dal momento in cui la ganascia tocca il particolare.

Clamp the workpiece turning clockwise the main spindle through the box wrench without using tubes or hammers. Attention: for the right clamping operation 1/4 of a turn of the box wrench is enough

Type (Size)	1	2	3	4	5	6
Kn	12	26	36	46	50	50

Valori indicativi Kn raggiunte a 90°
Kn indicative values at 90°

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

2

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA
ALIGNEMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE

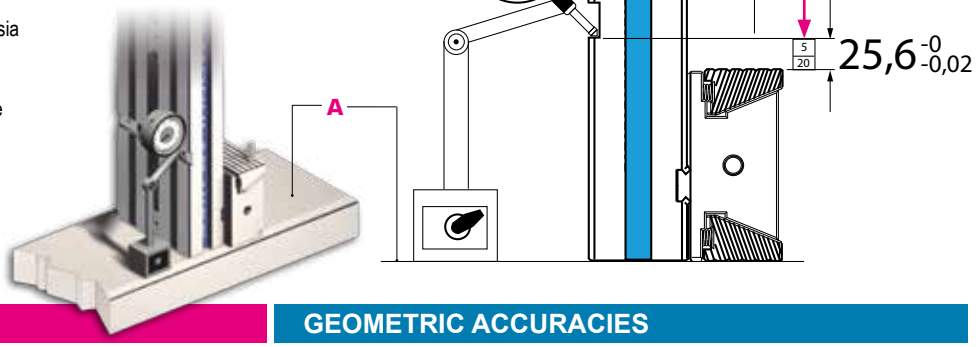
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

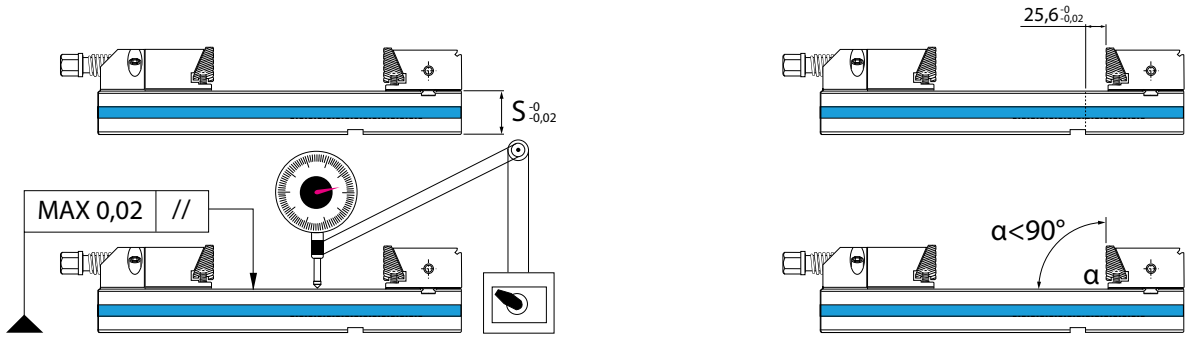
Scan the QR code to download the complete instructions

Posizionare la morsa verticalmente assicurandosi che sia perfettamente parallela al piano di appoggio **A** nei due sensi. Successivamente, con un comparatore centesimale, controllare il parallelismo del piano cava e della ganascia fissa.

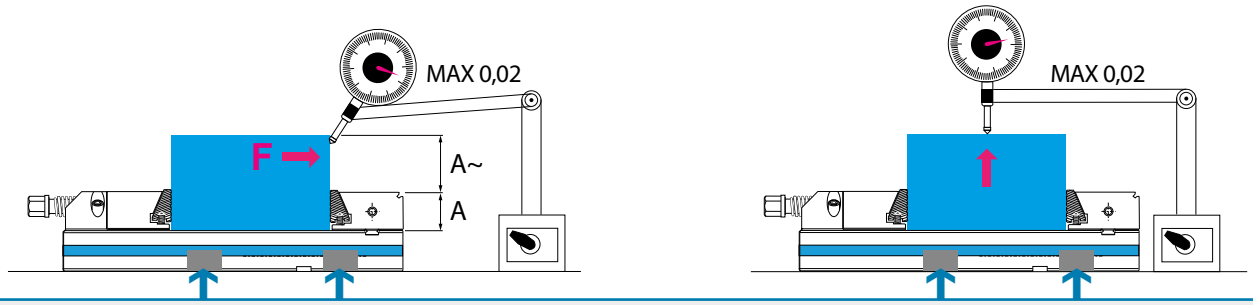
Set the vise vertically ensuring that it is perfectly at parallel to the table **A** in both sides.Then with an indicator check the parallelism of the keyway and its alignment with the fixed jaw plate.



TOLLERANZE GEOMETRICHE / GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE / DYNAMIC ACCURACIES

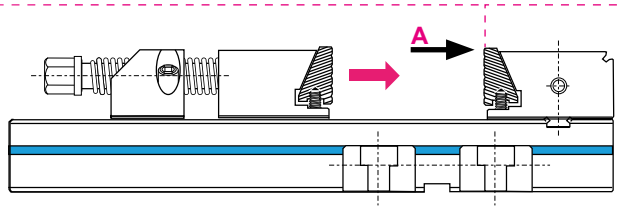


Morsa ancorata con 2 coppie di staffe Art.296 / Vise clamped with n. 2 pairs of Art.296

Valori di flessione nel punto "**A**" in relazione alle forze di serraggio **PER MORSE TIPO 3**

Deflection values at "**A**" in relation to clamping powers **FOR TYPE 3 VISES**

1 kgf . m = 9.806 Nm



Kn	mm
60	0.1
50	0.07
40	0.05
30	0.03
20	0.02
10	0.01
5	0.004
2	0.002

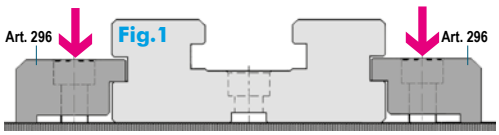
Il sistema consigliato per l'ancoraggio della morsa sulla tavola macchina è tramite STAFFE Art.296. (Fig.1)

E' possibile ancorare la morsa tramite viti centrali, ma in questo caso la quota X potrebbe flettere e compromettere lo scorrimento della ganascia mobile. (Fig.2)

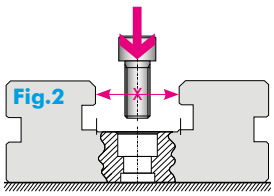
Nella tabella seguente sono riportati i valori di coppia massima applicabile mediante chiave dinamometrica

We recommend to fix the vises to the machine table using clamps Art. 296. (Fig. 1) The vise can be also fixed by means of central screws, but, this way, the X quota may suffer a bending and compromise the sliding of the movable jaws. (Fig. 2)

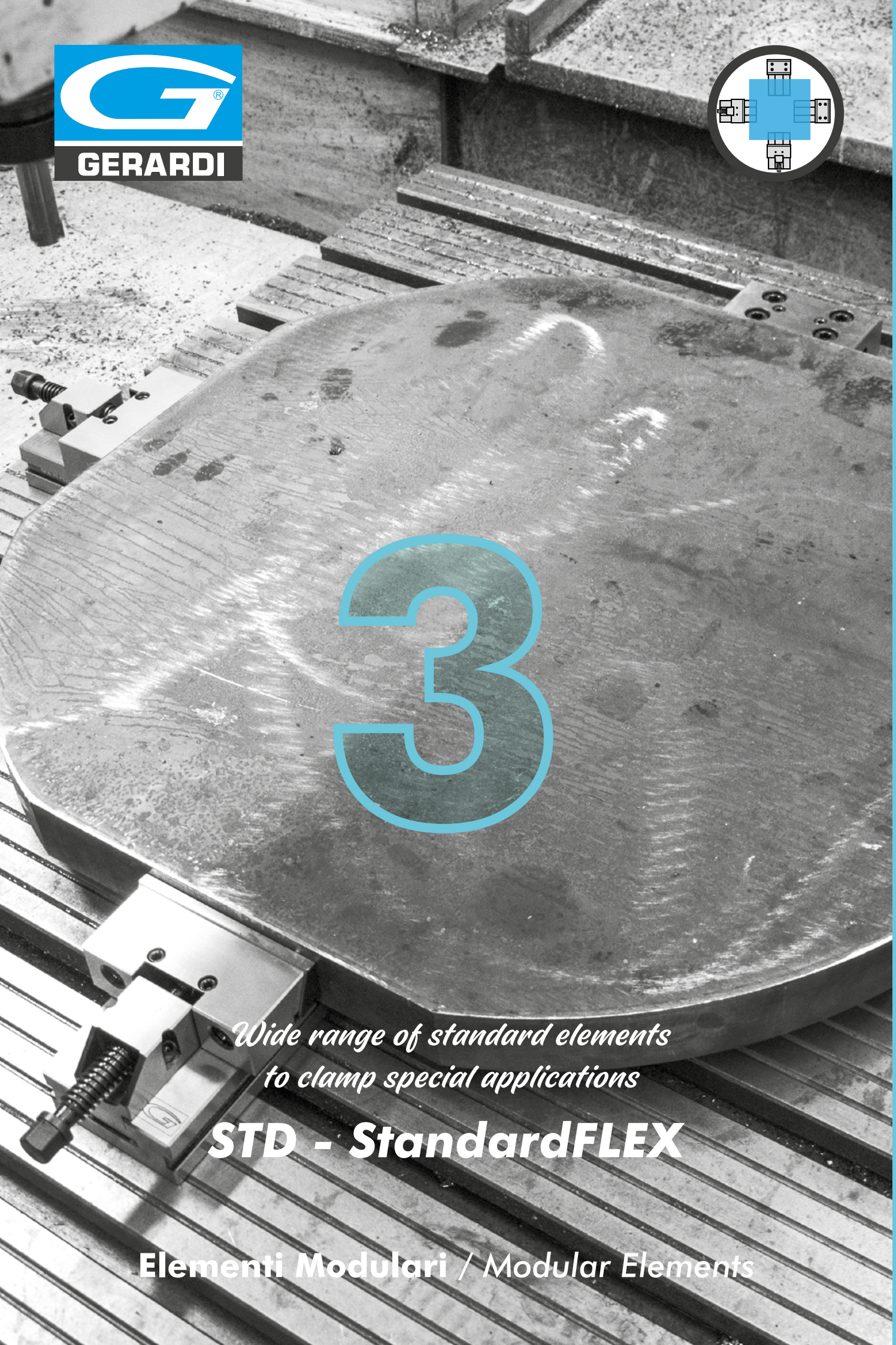
In the following table you can find the maximum torque values applicable through torque wrench.



Vite Screw	M8	M10	M12	M16
Torque Nm	40	80	140	345



Type	1	2	3	4	5	6
Torque Nm	18	40	140	140	250	250
Viti - Screws	2	2	3	4	4	4



3

Wide range of standard elements
to clamp special applications

STD - StandardFLEX

Elementi Modulari / *Modular Elements*

INDICE - INDEX

Art.	pages 3.
44	12
44A	12
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51A	12
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102A	9
102Ai	11
102i	10
103	8
103A	9
103Ai	11
103i	10
104	8
104A	9
104Ai	11
104i	10
296	6
358	12
981	3

VALIGETTA DI CAMPIONATURA STD (Art.1)
SAMPLE KIT CASE STD (Art.1)

NEW



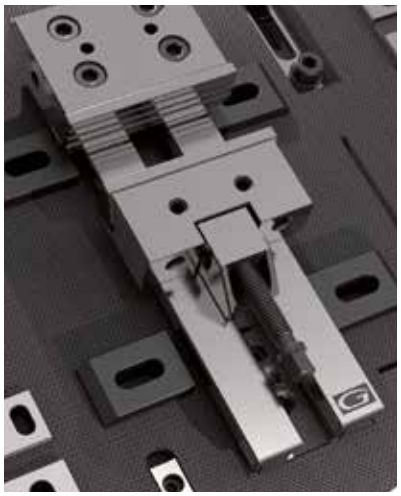
Art. 981

Valigetta di campionatura morsa Art.1 T.1
Sample kit case Art.1 T.1 vise

Cod.	0.98.10000

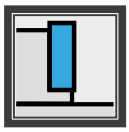
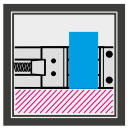
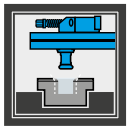
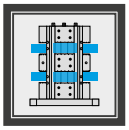
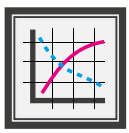
All'Interno - Inside:

Art.132	Art.313	Art.298
Art.133	Art.314	Art.370
Art.138	Art.271	Art.375
Art.147	Art.283	Art.376
Art.212	Art.285	-	-
Art.217	Art.297	-	-



3

SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

GANASCE JAWS		 Fissa Fixed	 Mobile Movable	 Intermedia Intermediate	 Fissa con piastra singola Fixed with single plate	 Fissa con piastra doppia Fixed with double plate
PIASTRE GANASCE JAW PLATES			 Discendente Pull down	 Piane Straight	 Cambio rapido manuale Quick manual change **StandardFLEX**	 GRIP integrale Integral GRIP
POSSIBILITÀ POSSIBILITY		 Serraggio di 1 particolare Clamping only 1 piece	 Serraggio di 2 particolari Clamping 2 pieces	 Montaggio sul fianco o in serie Side mounting or gang operation	 Predisposizione Zero Point Zero Point ready	 Cubi-morsa Vise tower
PAGINE PAGES				 Accessori & Ricambi Accessories & Spare Parts	 Istruzioni corretto utilizzo Instruction for a proper use	 Diagrammi forze di serraggio Clamping force diagrams

Elementi modulari / *Modular Elements*

STD / StdFLEX

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

Elementi indipendenti per una versatilità estrema!

Independent elements for an extreme versatility!

USURA INESISTENTE / *NO WEAR*

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. Costruzione completamente in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 58 ±2 HRC. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo 5 ANNI DI GARANZIA su tutto il programma morse e organi meccanici in genere.

Thanks to the manufacturing with only the most suitable materials and to the structure of the vise components (developed using computer customised softwares and the experience gained during many years spent working on the specific field). High alloyed quality resistance steel, case hardened HRC 58 ±2, is used in manufacturing all the Gerardi vises and accessories in order to give maximum rigidity, high performances and no wear. As evidence we give 5 YEARS WARRANTY on all the vises and mechanical components.

MODULARITÀ / *MODULARITY*

Tutte le morse ed accessori sono elementi componibili, intercambiabili e perfettamente allineabili fra loro e con i quali è possibile ottenere differenti soluzioni di bloccaggio. Secondo tale principio l'unico elemento che differenzia le attrezzature con identica larghezza di presa è la base (la cui lunghezza determina la massima apertura della morsa), mentre gli altri componenti sono identici. Mediante l'aggiunta o semplice sostituzione di alcuni particolari si può variare la tipologia di bloccaggio secondo le proprie esigenze utilizzando la stessa attrezzatura acquistata in un primo momento (bloccaggi singoli, con base girevole, doppi, verticali, di pezzi piani, tondi, piatti e grezzi, manuali, idraulici o pneumatici).

All vises and accessories are modular and components of all our vises will interchange with perfect alignment to provide different workholding solutions. With this basic principle the only difference between fixtures with the same width of clamping is the base (whose length determines the maximum opening of the vise), while the rest of components have same dimensions. Through the simple addition or substitution of some particulares You can change the type of clamping as Your needs require using the same fixture purchased before (single clamping, swivel base, double, vertical, smooth or round or flat or rough workpieces, manual, hydraulic or pneumatic).

DESIGN COMPATTO / *SPACE SAVING DESIGN*

La semplicità nonché la compattezza costruttiva consentono un'apertura notevole rispetto all'ingombro totale dell'attrezzatura. Inoltre lo stesso peso (solo 25 kg per una morsa da 150 mm di larghezza ganascia) è tale da consentire un facile trasferimento da una macchina all'altra.

The space saving design and solid construction allow a maximum blocking ratio to total overall dimension of the vise. Furthermore the weight (only 25 kg for a 150 mm jaw width vise) allows a simple moving from one machine to another.

SERRAGGI RAPIDI / *QUICK CLAMPING*

Grazie allo scorrimento del gruppo di serraggio nella guida della base (a cremagliera) fino in prossimità del pezzo da lavorare dove si adatterà automaticamente alla nicchia più vicina. L'operazione di serraggio si conclude agendo sulla vite di bloccaggio. Oltre a quello manuale meccanico, sono disponibili 4 ulteriori sistemi di serraggio intecambiabili e indipendenti: 1 - Idraulici / 2 - Pneumatici / 3 - Idraulici manuali / 4 - Idraulici elettrici. L'operazione è in termini di secondi.

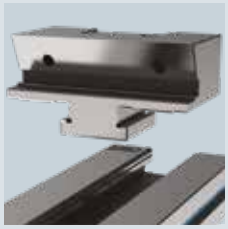
Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1- Hydraulic / 2- Pneumatic / 3- Manual hydraulic / 4- Electrical hydraulic. The change needs only few seconds.



Doppia posizione
Double position

Le ganasce fisse hanno la possibilità grazie alla doppia chiavetta di essere posizionate sia con piastrine all'interno della base, sia con piastrine che fuoriescono dalla base in modo da poter serrare anche particolari posizionati sul piano della tavola della macchina

Fixed jaw has the possibility by the double key nuts, to be positioned both with jaw plates inside the vise base and with jaw plates externally from the vise base in order to be able to clamp even workpieces positioned on the machine table directly.





Ganascia monoblocco
Solid guided jaw

Entrambe le ganasce sono costruite in corpo unico (non esistono slitte o tasselli di fissaggio) per garantire una maggiore rigidità e nessuna flessione. Entrambe le piastre ganasce sono costruite con un angolo di spinta verso il basso. Ciò assicura, nel momento della chiusura, una trazione del pezzo contro la base della morsa (per trascinamento) e di conseguenza un bloccaggio sicuro e preciso.

Both jaws bodies are built in one solid piece (no slides or key-nuts): in order to guarantee higher rigidity & no bendings. Both jaw plates are manufactured with a pull down angle. This ensures, during the clamping operation, a downward run of the workpiece against the vise base (by dragging) and thus a precise and safety clamping.



Fori filettati per sovraganascia
Threated holes for stack type jaw

Quattro fori filettati supplementari sopra le ganasce danno la possibilità di installare ganasce sovrapponibili per applicazioni speciali.

4 extra tapped holes over the jaws for special Gerardi stack type jaw application

Gli elementi modulari GERARDI sono la parte mobile e la parte fissa della morsa Standard sezionate e rese completamente indipendenti per permettere di ottimizzare i bloccaggi di pezzi particolarmente grandi, che richiedano le lavorazioni più gravose, sfruttando anche il piano della tavola della macchina come punto di appoggio. Gli elementi modulari sono sicuramente l'esempio più lampante dell'estrema versatilità del sistema modulare Gerardi. La disponibilità di una vastissima gamma di composizioni modulari permette di realizzare con soluzioni standard anche gli allestimenti che credevate speciali.

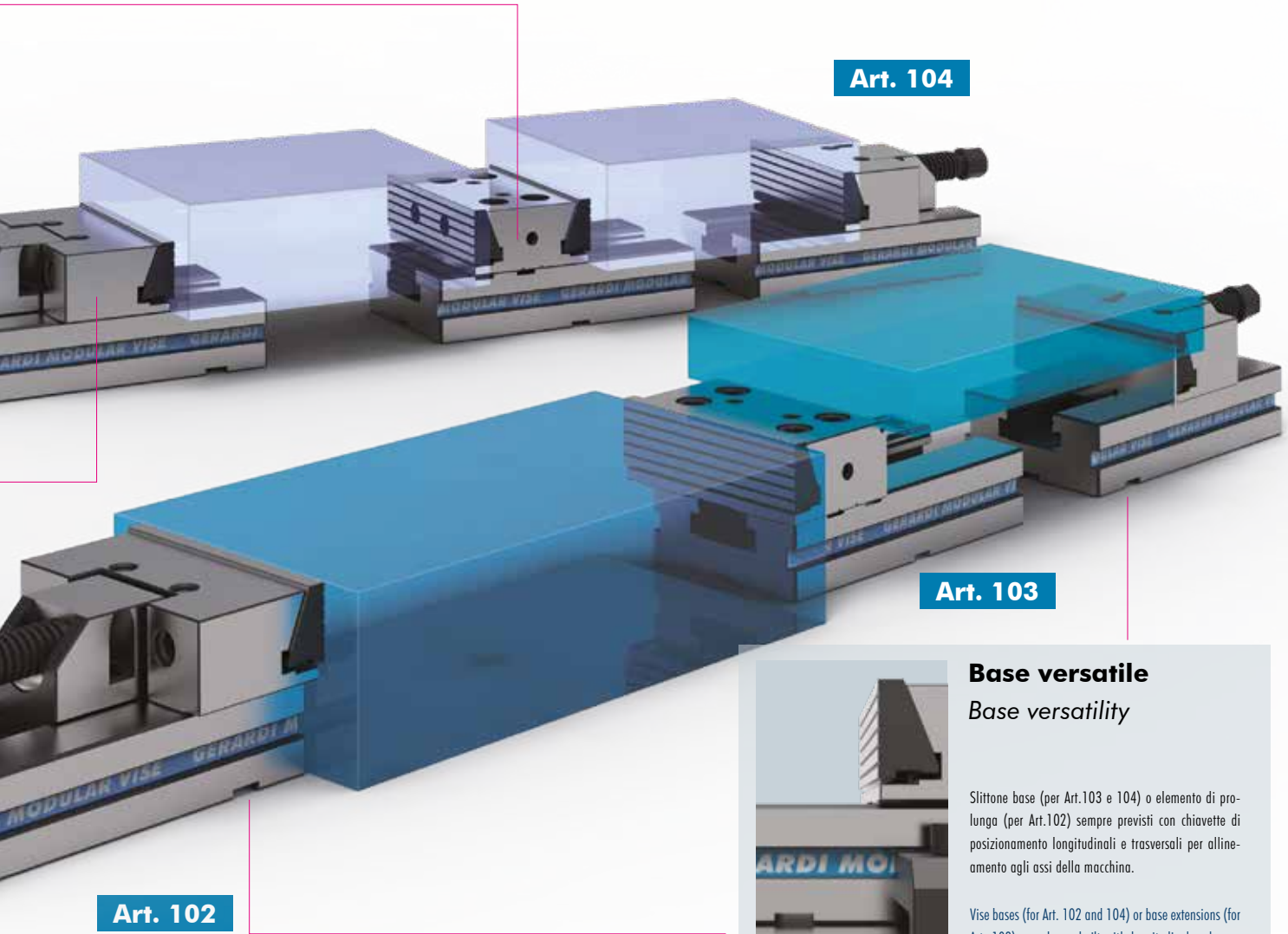
GERARDI modular elements are simply standard vises sections, the movable section and the fixed one, which in this way result completely independent for an extreme versatility and to allow you perfect clamping even of big workpieces which need the heaviest machining using the machine table as surface. Modular elements are the best example of the extreme versatility of the Gerardi modular system.The avalaibility of the broadest assortment program allows to build with standard solutions even the tixtures you thought special. They are a solution for a lot of applications and, with the many reference points available, a perfect complement or alternative to single or double vises.

SCAN IT TO WATCH THE VIDEO PRESENTATION

5 ANNI DI GARANZIA

Ampia gamma di moduli standard per ottenere allestimenti speciali

Wide range of standard elements to clamp special applications



Base versatile

Base versatility

Slittone base (per Art.103 e 104) o elemento di prolunga (per Art.102) sempre previsti con chiavette di posizionamento longitudinali e trasversali per allineamento agli assi della macchina.

Vise bases (for Art. 102 and 104) or base extensions (for Art. 102) are always built with longitudinal and cross keyways in order to be aligned with the machine axis.

Staffe d'ancoraggio / *Vise holding clamps*

NEW 2021

Standard / StandardFLEX

Coppia staffe di fissaggio Art.296, complete di vite e dado a "T"

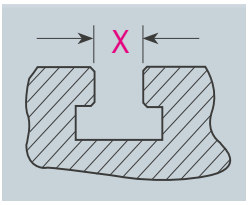
Pair of vise holding clamps Art.296 complete of screw and "T" nuts

3

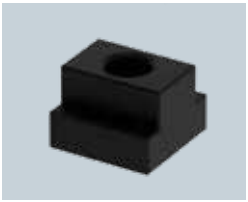
Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm
Oppure con codice: 2.29.6300 X=18mm

Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm
Also with code: 2.29.6300 X=18mm

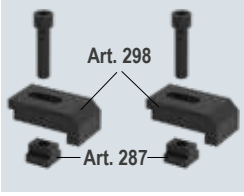




Cava a T
T Slot
Specificare sempre la cava della vostra macchina
Always specify the machine T-slot dimension

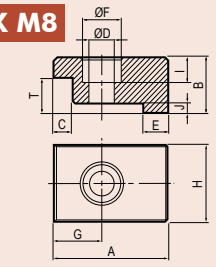


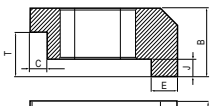
Art.287 (Pag.4.34)
Dadi a T - *T Nuts*
Per fissaggio morse alle cave a T della macchina
For vise clamping on the machine T-slots

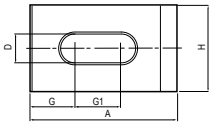


Art.296
(Art.298 + Art.287)
Consigliate 2 coppie di staffe Art.296 per ogni elemento modulare
Suggested 2 pairs of holding clamps Art.296 for each modular element

Tipo (grandezza) morsa / Vise type (size)		1	1 - 2			3 - 4		5 - 6	
Art. 296 Coppia di staffe / Holding clamps pair	Cava a T slot X	12 14 16 18	12* 14 16	16 18 20	18* 20 22	16 18 20 22	18* 20 22	16 18 20 22	18* 20 22
	T-nuts Ref. N°	8 9 10 11	12 13 14	20 21 22	32 33 34	20 21 22 23	32 33 34	20 21 22 23	32 33 34
	Filetto vite / Screw thread	M8	M10	M12 *	M16	M12 *	M16	M12	M16 *
1 X M8	A	50	50	50	50	76	76	86	86
	B	24	24	24	24	30	30	40	40
	C	6	6	6	6	6	6	10	10
	Ø D	8,5	11	13	17	13	17	13	17
	E	10	10	10	10	13	13	15	15
	Ø F	14	-	-	-	-	-	-	-
	G	14	16	17,5	19	17	16	26	26
	G1	17	15	13	9	22	15	27	27
	H	34	34	34	34	42	42	50	50
	I	8	10	10	10	-	-	-	-
	J	4	4	4	4	10	10	10	10
	T ± 0,1	15	15	15	15	20	20	26	26
	Cod.	2.29.61000 / M8	2.29.61000 / M10	2.29.61000 / M12	2.29.61000 / M16	2.29.63000 / M12	2.29.63000 / M12	2.29.65000 / M12	2.29.65000 / M16







* *Scelta consigliata - Suggested choice*

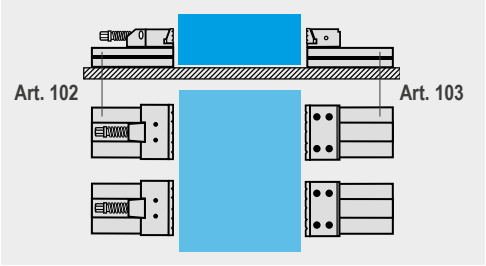
* *Scelta NON consigliata - NO Suggested choice*

Soluzioni personalizzate / *Customized solutions*

Modular elements

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

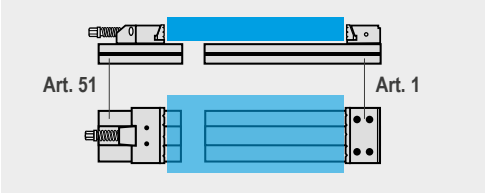


Esempio #1

Example #1

Particolari di grosse dimensioni posizionati direttamente sulla tavola macchina

Huge workpieces clamped directly on the machine table

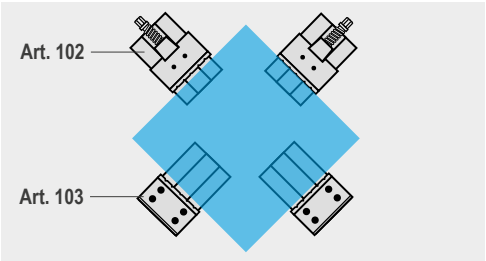


Esempio #2 Art.1+51

Example #2 Art.1 + 51

Art.258 + Art.127 inseriti in un elemento di prolunga Art.51

Art.258 + Art.127 to assemble them on a extension base Art.51

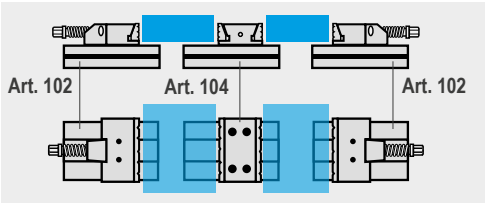


Esempio #3

Example #3

Particolari di medie dimensioni posizionati sugli elementi modulari

Medium size workpieces clamped directly on the vise sections

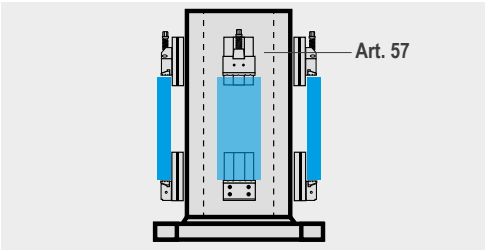


Esempio #4

Example #4

Elemento fisso doppio Art.104 + 2 elementi mobili Art.102

Double fixed vise section Art.104 + 2 movable vise section Art.102

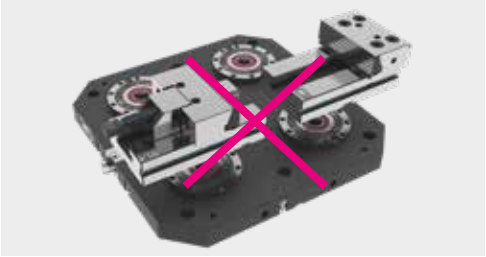


Esempio #5

Example #5

Elementi modulari su cubo a croce Art. 57

Modular elements assembled on cross cube type Art.57



Utilizzo non conforme

Non compliant use

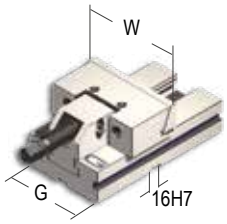
NON utilizzare gli elementi modulari in modo indipendente su due unità Zero Point senza collegarli tra di loro con una piastra d'interfaccia

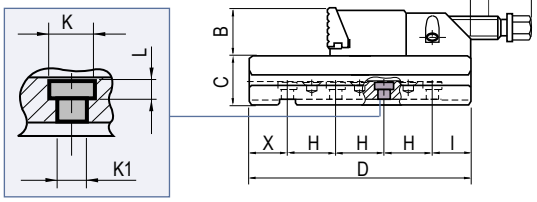
NEVER mount modular elements independently on two Zero Point units without connecting them with an interface plate

3

Art. 102

Blocco tenditore completo di base.
Movable jaw section and base assy.





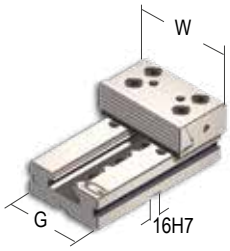
M = numero fori / M = holes number

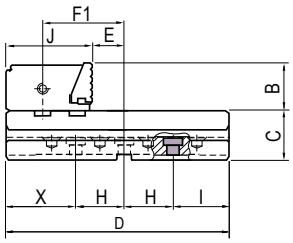
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
kN	16 kN	25 kN	30 kN	30 kN	40 kN	40 kN
W	100	125	150	175	200	300
B	30	40	50	60	65	80
C	35	40	50	58	70	78
D	140	160	230	240	300	350
F	55	83	82	62	92	70
G	75	95	125	145	170	195
H	40	40	50	50	100	100
I	29	39	40	82,5	50	83
K1 Ø	6,5	8,5	13	13	17	17
K Ø	10,5	13,5	19	19	26	26
L	4,5	5,5	8,5	8,5	17	17
X	31	41	40	57,5	50	67
kg	3,4	6,3	14,2	20,8	35	60
M	3	3	4	3	5	5
Cod.	2.10.21000	2.10.22000	2.10.23000	2.10.24000	2.10.25000	2.10.26000

Disponibile anche versione **Art.112** con piastre piane - Also available **Art.112** version with straight plate jaws

Art. 103

Blocco fisso con ganascia fissa STD.
Fixed jaw section and base STD.





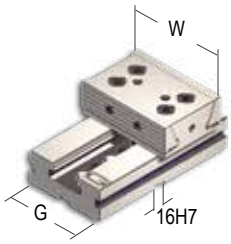
M = numero fori / M = holes number

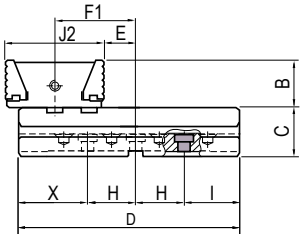
J	77,9	77,9	89,4	96,9	113,4	120,4
E	33,6	33,6	33,6	33,6	33,6	33,6
F1	76	76	84,5	89	100	107
X	31	31	72,5	79	45	52
H	40	40	50	50	100	100
I	29	49	57,5	61	55	98
kg	3,3	5,8	12,6	17,8	29,8	50,5
M	3	3	3	4	5	5
Cod.	2.10.31000	2.10.32000	2.10.33000	2.10.34000	2.10.35000	2.10.36000

Disponibile anche versione **Art.113** con piastre piane - Also available **Art.113** version with straight plate jaws

Art. 104

Blocco fisso con ganascia doppia STD.
Fixed double jaw section and base STD.



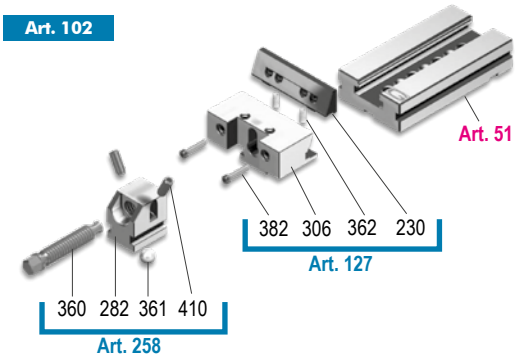


M = numero fori / M = holes number

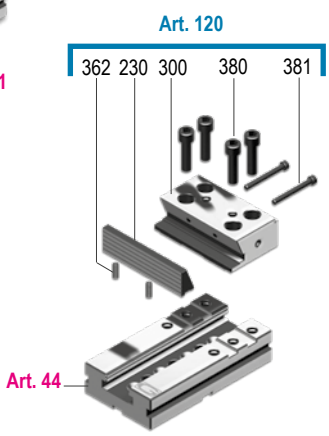
J2	84,8	84,8	101,8	110,8	132,8	146,8
E	33,6	33,6	33,6	33,6	33,6	33,6
kg	3,4	6	13,3	18,8	30	52,5
M	3	3	3	4	5	5
Cod.	2.10.41000	2.10.42000	2.10.43000	2.10.44000	2.10.45000	2.10.46000

Disponibile anche versione **Art.114** con piastre piane - Also available **Art.114** version with straight plate jaws

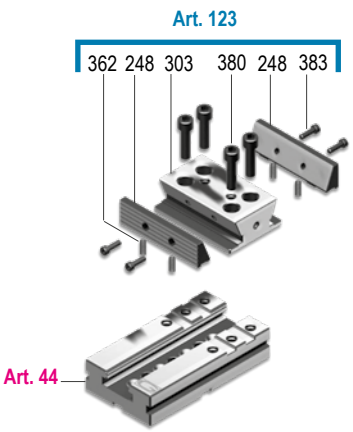
Art. 102



Art. 103



Art. 104



Dotazione standard:
- 1 coppia di tasselli di posizionamento Art. 297

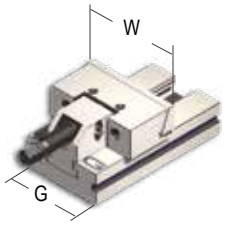
Standard equipment:
- 1 pair of positioning key-nuts Art. 297

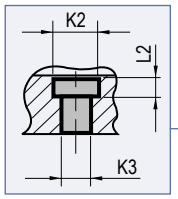
Art.	Pag.
44	3.12
44A	3.12
51	3.12
51A	3.12
120	4.8
123	4.8
127	4.8
230	4.9
248	4.9
258	4.36
282	4.36

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN	4 30 kN	5 40 kN	6 40 kN

Art. 102A a reticolo / grid *

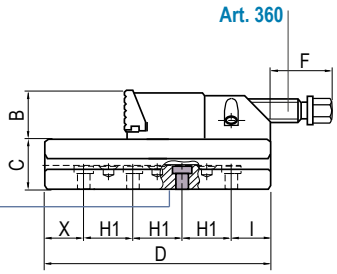
Blocco tenditore completo di base per posizionamento con viti calibrate
Movable jaw section and base assy for positioning through shoulder screws





Foro calibrato / Calibrated hole

Art. 360

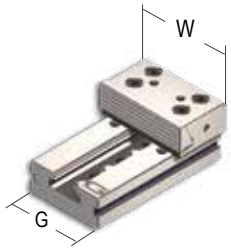


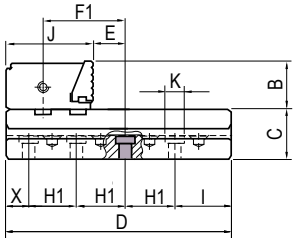
M = numero fori / M = holes number

W	100	125	150	175	200	300
B	30	40	50	60	65	80
C	35	40	50	58	70	78
D	140	160	230	240	300	350
F	55	83	82	62	92	70
G	75	95	125	145	170	195
H1	50	50	50	50	100	100
I	54	39	40	57,5	69	83
K2 Ø	25	25	25	25	25	25
K3 Ø	16 F7	16 F7	16 F7	16 F7	16 F7	16 F7
L2	8	8	10	10	10	10
X	36	21	40	32,5	31	67
kg	3,4	6,3	14,2	20,8	35	60
M	2	3	4	4	3	3
Cod.	2.10.2A100	2.10.2A200	2.10.2A300	2.10.2A400	2.10.2A500	2.10.2A600

Art. 103A a reticolo / grid *

Blocco fisso con ganascia fissa per posizionamento con viti calibrate
Fixed jaw section and base for positioning through shoulder screws



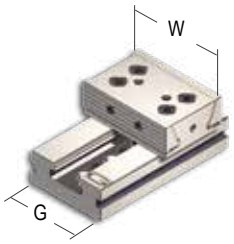


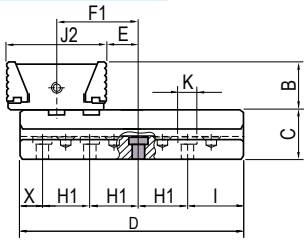
M = numero fori / M = holes number

J	77,9	77,9	89,4	96,9	113,4	120,4
E	33,6	33,6	33,6	33,6	33,6	33,6
F1	76	76	84,5	89	100	107
X	61	21	72,5	29	45	52
H1	50	50	50	50	100	100
I	29	49	57,5	61	55	98
kg	3,3	5,8	12,6	17,8	29,8	50,5
M	2	2	3	4	3	3
Cod.	2.10.3A100	2.10.3A200	2.10.3A300	2.10.3A400	2.10.3A500	2.10.3A600

Art. 104A a reticolo / grid *

Blocco fisso con ganascia doppia per posizionamento con viti calibrate
Fixed double jaw section and base for positioning through shoulder screws



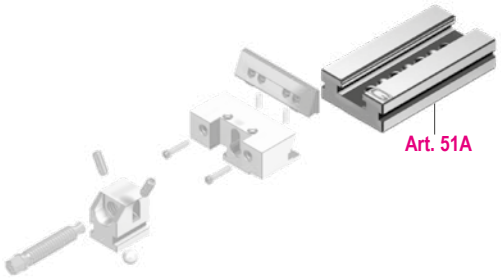


M = numero fori / M = holes number

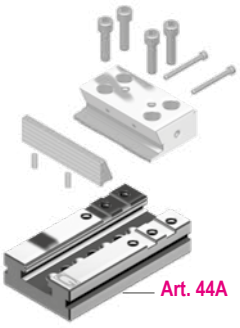
J2	84,8	84,8	101,8	110,8	132,8	146,8
E	33,6	33,6	33,6	33,6	33,6	33,6
kg	3,4	6	13,3	18,8	30	52,5
M	2	2	3	4	3	3
Cod.	2.10.4A100	2.10.4A200	2.10.4A300	2.10.4A400	2.10.4A500	2.10.4A600

Art.	Pag.
300	4.29
303	4.29
306	4.29
360	4.36
361	4.36
362	4.28
380	4.28
381	4.28
383	4.28
410	4.36

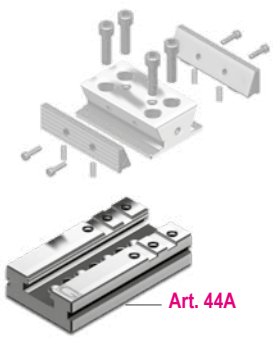
Art. 102A



Art. 103A



Art. 104A



Senza alcuna dotazione
Without accessory equipment

A richiesta: vite calibrata Art. 83 o 83B
On request: shoulder screw Art. 83 or 83B

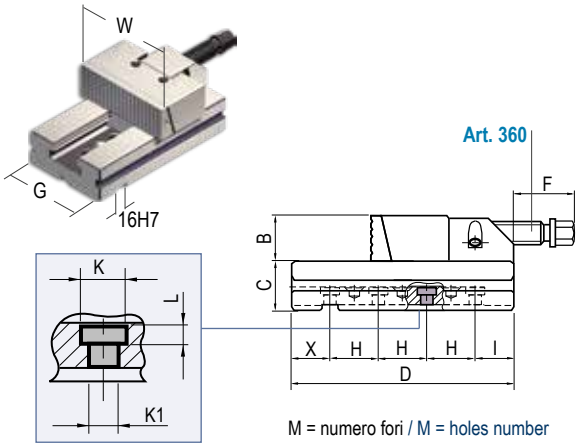
* Passo del reticolo = 50 mm - Vite calibrata Ø 16F7 Grid Pitch = 50 mm - Shoulder screw Ø 16F7

3

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN	4 30 kN	5 40 kN	6 40 kN

Art. 102i

* Blocco tenditore con ganascia a **cambio rapido**. *(Sistema a pettine)*
* Movable jaw section with **quick change** jaw plate. *(Comb system)*



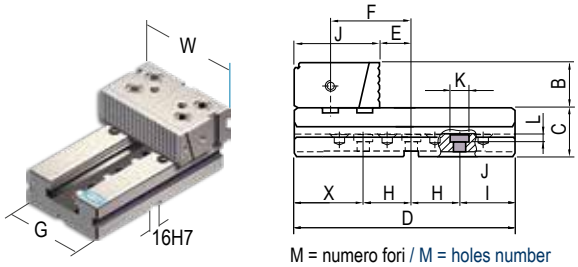
M = numero fori / M = holes number

W	96	121	146	171	196	296
B	28	38	48	58	63	78
C	35	40	50	58	70	78
D	140	160	230	240	300	350
F	55	83	82	62	92	70
G	75	95	125	145	170	195
H	40	40	50	50	100	100
I	29	39	40	82,5	69	83
K1 Ø	6,5	8,5	13	13	17	17
K Ø	10,5	13,5	19	19	26	26
L	4,5	5,5	8,5	8,5	17	17
X	31	41	40	57,5	31	67
kg	3,4	6,3	14,2	20,8	35	60
M	3	3	4	3	5	5
Cod.	3.10.2i100	3.10.2i200	3.10.2i300	3.10.2i400	3.10.2i500	3.10.2i600

* Serraggi disassati laterlamente non possibili * Offset lateral clamping not possible

Art. 103i

* Blocco fisso con ganascia a **cambio rapido**. *(Sistema a pettine)*
* Fixed jaw section with **quick change** jaw plate. *(Comb system)*



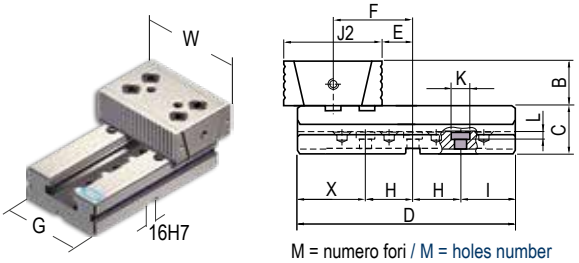
M = numero fori / M = holes number

J	77,9	77,9	89,4	96,9	113,4	120,4
E	33,6	33,6	33,6	33,6	33,6	33,6
F	76	76	84,5	89	100	107
X	31	31	72,5	29	45	52
H	40	40	50	50	100	100
I	29	49	57,5	61	55	98
kg	3,3	5,8	12,6	17,8	29,8	50,5
M	3	3	3	4	5	5
Cod.	3.10.3i100	3.10.3i200	3.10.3i300	3.10.3i400	3.10.3i500	3.10.3i600

* Serraggi disassati laterlamente non possibili * Offset lateral clamping not possible

Art. 104i

* Blocco fisso con ganascia doppia a **cambio rapido**. *(Sistema a pettine)*
* Fixed double-jaw section with **quick change** jaw plate. *(Comb system)*

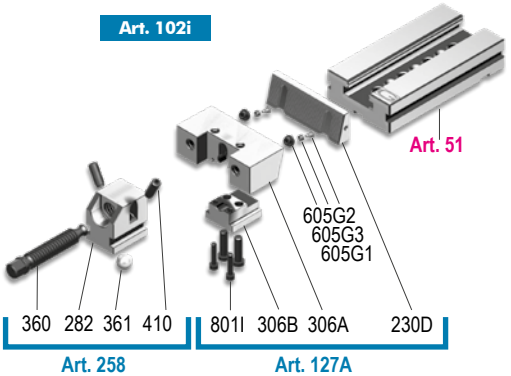


M = numero fori / M = holes number

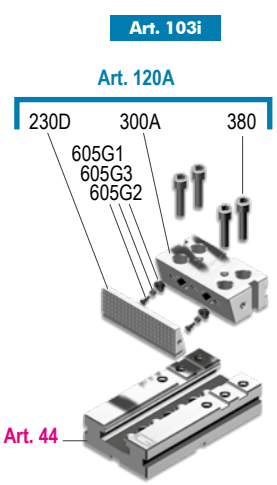
J2	84,8	84,8	101,8	110,8	132,8	146,8
E	33,6	33,6	33,6	33,6	33,6	33,6
kg	3,4	6	13,3	18,8	30	52,5
M	3	3	3	4	5	5
Cod.	3.10.4i100	3.10.4i200	3.10.4i300	3.10.4i400	3.10.4i500	3.10.4i600

* Serraggi disassati laterlamente non possibili * Offset lateral clamping not possible

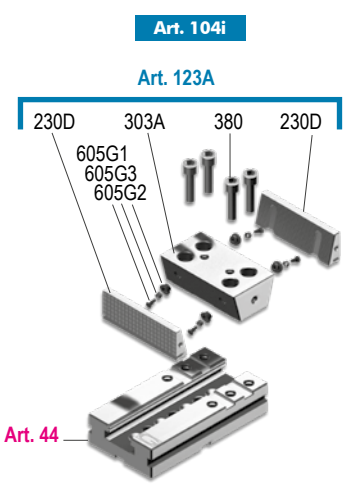
Art. 102i



Art. 103i



Art. 104i



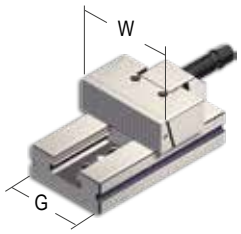
Dotazione standard:
■ 1 coppia di tasselli di posizionamento Art. 297 + 2 tappi Art. 291
Standard equipment:
■ 1 pair of positioning key-nuts Art. 297 + 2 insert Art. 291

Art.	Pag.
44	3.12
44A	3.12
51	3.12
51A	3.12
120A	4.20
123A	4.20
127A	4.20
230D	4.21
258	4.36
282	4.36
300A	4.30

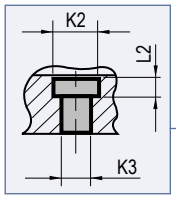
Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN	4 30 kN	5 40 kN	6 40 kN
Art. 102Ai a reticolo / grid *	W	96	121	146	171	196	296
	B	28	38	48	58	63	78
	C	35	40	50	58	70	78
	D	140	160	230	240	300	350
	F	55	83	82	62	92	70
	G	75	95	125	145	170	195
	H1	50	50	50	50	100	100
	I	54	39	40	57,5	69	83
	K3 Ø	16 F7	16 F7	16 F7	16 F7	16 F7	16 F7
	K2 Ø	25	25	25	25	25	25
	L2	8	8	10	10	10	10
	X	36	21	40	32,5	31	67
	kg	3,4	6,3	14,2	20,8	35	60
	M	2	3	4	4	3	3
	Cod.	3.10.2Ai10	3.10.2Ai20	3.10.2Ai30	3.10.2Ai40	3.10.2Ai50	3.10.2Ai60
Art. 103Ai a reticolo / grid *	J	77,9	77,9	89,4	96,9	113,4	120,4
	E	33,6	33,6	33,6	33,6	33,6	33,6
	F1	76	76	84,5	89	100	107
	X	61	21	72,5	29	45	52
	H1	50	50	50	50	100	100
	I	29	49	57,5	61	55	98
	kg	3,3	5,8	12,6	17,8	29,8	50,5
	M	2	2	3	4	3	3
	Cod.	3.10.3Ai10	3.10.3Ai20	3.10.3Ai30	3.10.3Ai40	3.10.3Ai50	3.10.3Ai60
Art. 104Ai a reticolo / grid *	J2	84,8	84,8	101,8	110,8	132,8	146,8
	E	33,6	33,6	33,6	33,6	33,6	33,6
	kg	3,4	6	13,3	18,8	30	52,5
	M	2	2	3	4	3	3
	Cod.	3.10.4Ai10	3.10.4Ai20	3.10.4Ai30	3.10.4Ai40	3.10.4Ai50	3.10.4Ai60

Art. 102Ai a reticolo / grid *

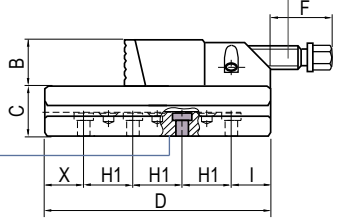
* Blocco tenditore con ganascia a **cambio rapido**. *(Sistema a pettine)*
* Movable jaw section with **quick change** jaw plate. *(Comb system)*



Art. 102Ai - 103Ai - 104Ai
Basi per posizionamento con viti calibrate
Base assy for positioning through shoulder screws



Art. 360



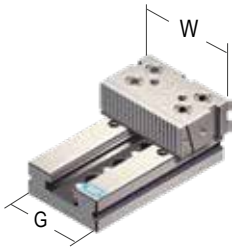
Foro calibrato / Calibrated hole

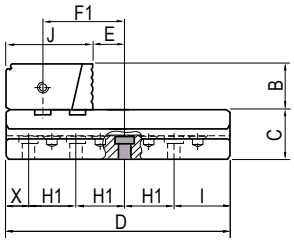
M = numero fori / M = holes number

* Serraggi disassati laterlamente non possibili * Offset lateral clamping not possible

Art. 103Ai a reticolo / grid *

* Blocco fisso con ganascia a **cambio rapido**. *(Sistema a pettine)*
* Fixed jaw section with **quick change** jaw plate *(Comb system)*



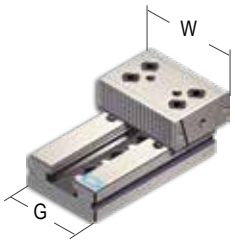


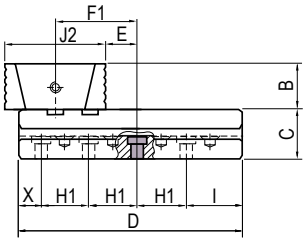
M = numero fori / M = holes number

* Serraggi disassati laterlamente non possibili * Offset lateral clamping not possible

Art. 104Ai a reticolo / grid *

* Blocco fisso con ganascia doppia a **cambio rapido**. *(Sistema a pettine)*
* Fixed double-jaw section with **quick change** jaw plate. *(Comb system)*



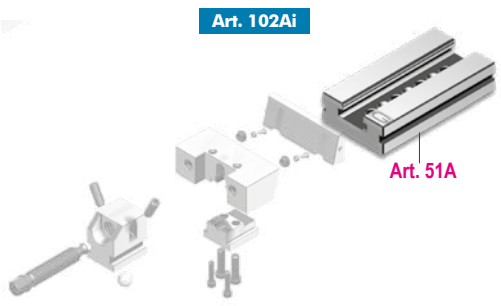


M = numero fori / M = holes number

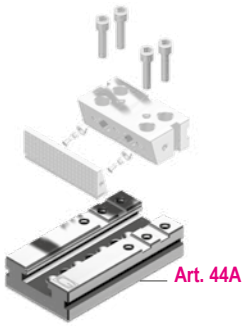
* Serraggi disassati laterlamente non possibili * Offset lateral clamping not possible

Art.	Pag.
303A	4.30
306A	4.30
306B	4.30
360	4.36
361	4.36
380	4.28
410	4.36
605G1	4.22
605G2	4.22
605G3	4.22
801I	5.61

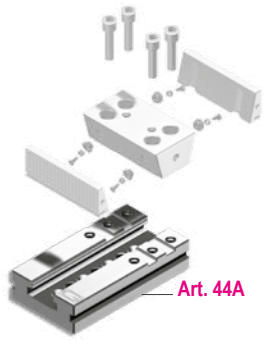
Art. 102Ai



Art. 103Ai



Art. 104Ai



Senza alcuna dotazione
Without accessory equipment

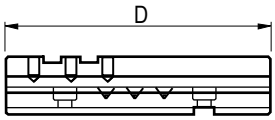
A richiesta: vite calibrata Art. 83 o 83B
On request: calibrated screw Art. 83 or 83B

* Passo del reticolo = 50 mm - Vite calibrata Ø 16F7 Grid Pitch = 50 mm - Shoulder screw Ø 16F7

ELEMENTI MODULARI BASE / Supplemento Extra per ogni foro calibrato +78€
BASIC MODULAR UNITS / Extra supplement for each ground hole +78€

3

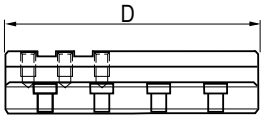
Art. 44



Slittone base per ganascia fissa
Split base for fixed jaw

Tipo (grandezza) / Type (size)	1	2	3	4	5	6
G	75	95	125	145	170	195
D	140	160	230	240	300	350
kg	1.8	3.3	6.9	8	14.5	21.8
Cod.	1.80.14140	1.80.24160	1.80.34230	1.80.44250	1.80.54300	1.80.64350

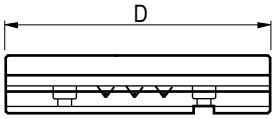
Art. 44A



Slittone base a reticolo (Passo 50 mm, Ø 16 per blocco fisso)
Split grid (50 mm) pitch, Ø 16 base for fixed section

D	140	160	230	240	300	350
kg	1.7	3.2	6.8	7.9	14.4	21.7
Cod.	3.44.A1000	3.44.A2000	3.44.A3000	3.44.A4000	3.44.A5000	3.44.A6000

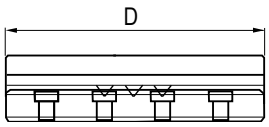
Art. 51



Elemento di prolunga base per ganascia mobile
Base extension for movable jaw

D	140	160	230	240	300	350
kg	2.1	3.4	8.2	11.5	20	30
Cod.	1.80.13140	1.80.23160	1.80.33230	1.80.43250	1.80.53300	1.80.63350

Art. 51A



Elemento di prolunga base a reticolo (Passo 50 mm, Ø 16)
Grid (50 mm) pitch, Ø 16 base extension

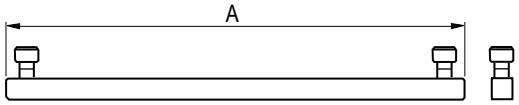
Cod.	3.51.A1000	3.51.A2000	3.51.A3000	3.51.A4000	3.51.A5000	3.51.A6000

ACCESSORI
ACCESSORIES

Tipo (grandezza) / Type (size)	1	2	3	4	5	6
A	320	320	400	400	500	500
B	11	11	18	18	20	20
C	10	10	15	15	20	20
D	20	20	25	25	25	25
M	M6	M8	M12	M12	M16	M16
E	9	12	18	18	24	24
F	15	15	20	20	30	30
G	6	8	12	12	16	16
kg	0.5	0.5	1.2	1.2	2	2
Cod.	3.35.81000	3.35.82000	3.35.83000	3.35.84000	3.35.85000	3.35.86000

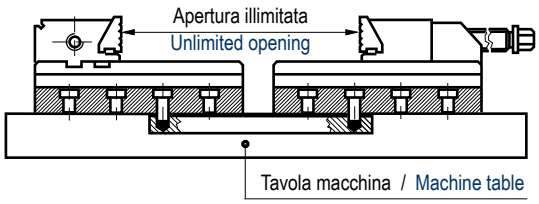
Art. 358

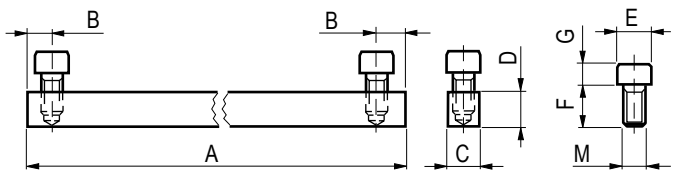
Barra di tensione / Tension bar



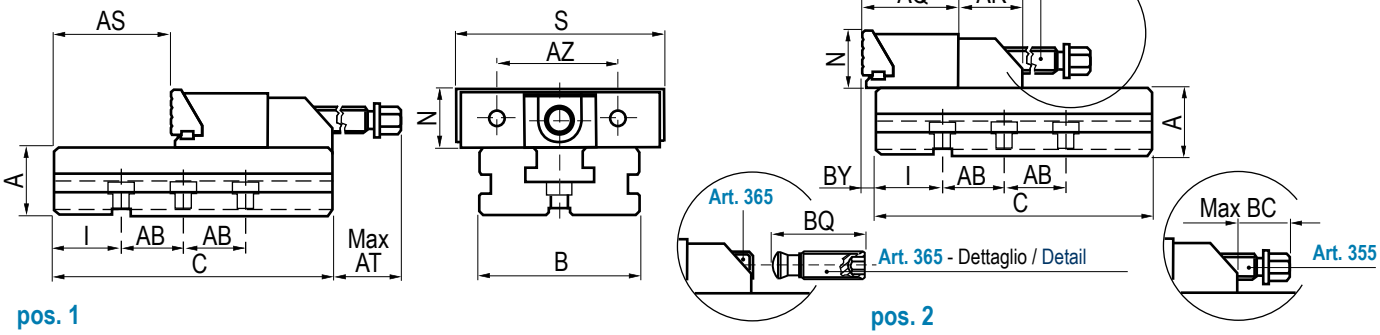
Accessori per Art. 51 e 102
A richiesta altre larghezze senza variazione di prezzo

Accessories for Art. 51 and 102
Other widths available on request without price change





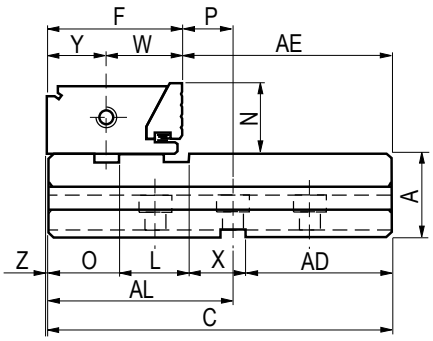
Art. 102



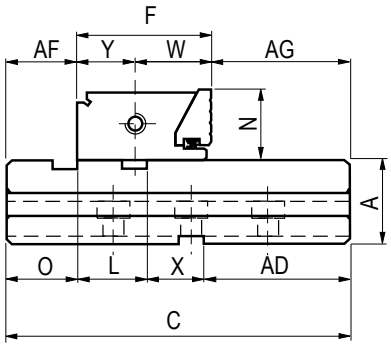
pos. 1

pos. 2

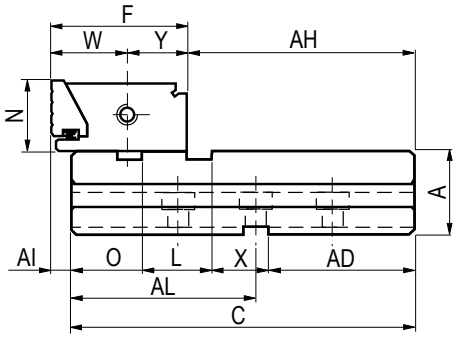
Art. 103



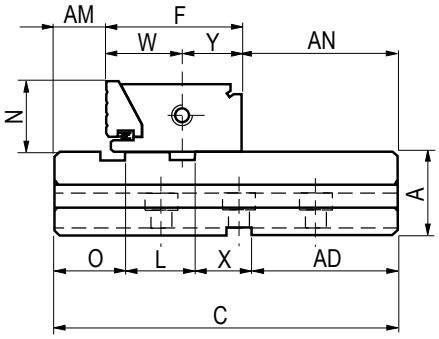
pos. 1



pos. 2

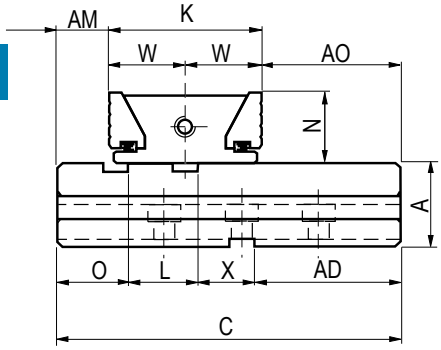


pos. 3

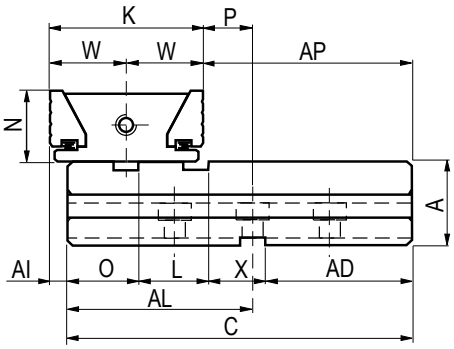


pos. 4

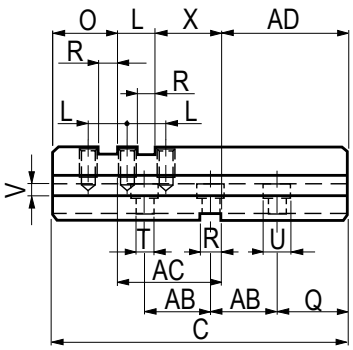
Art. 104

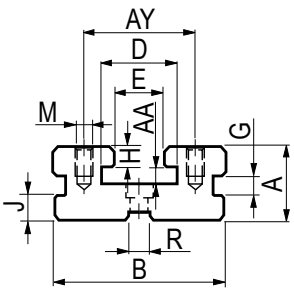


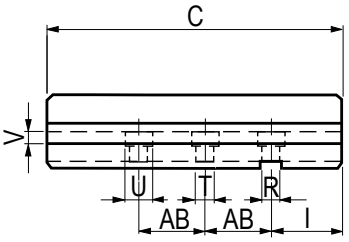
pos. 1

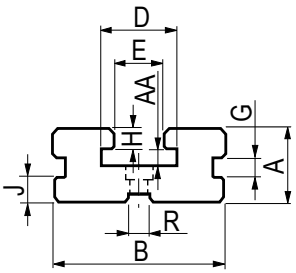


pos. 2









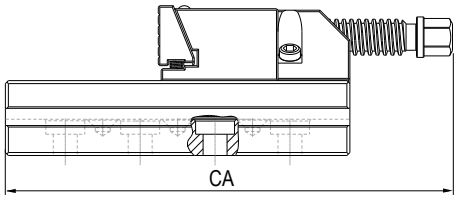
Art. 44

Art. 51

3

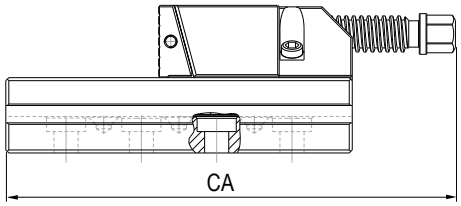
Art. 102A

pos. 1



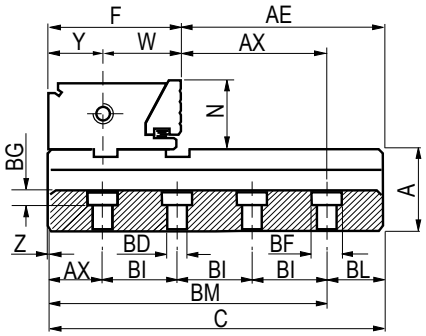
Art. 102Ai

pos. 2

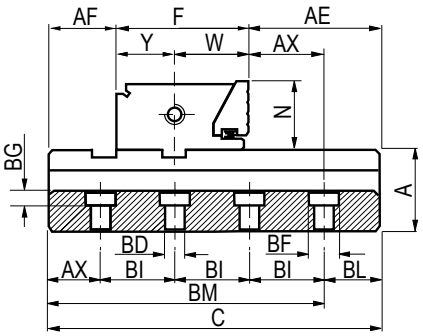


Art. 103A

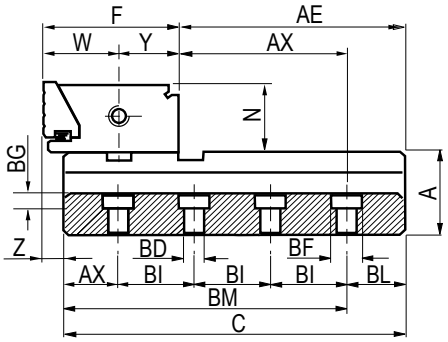
pos. 1



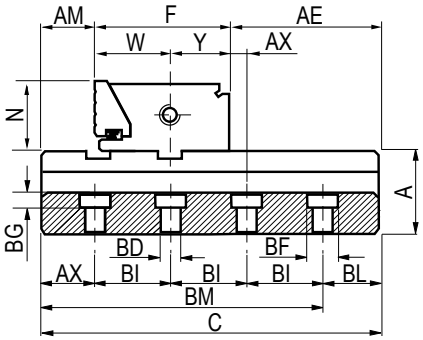
pos. 2



pos. 3

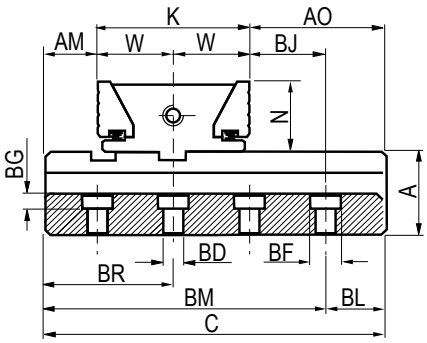


pos. 4

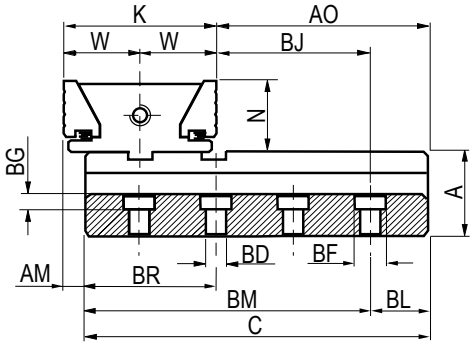


Art. 104A

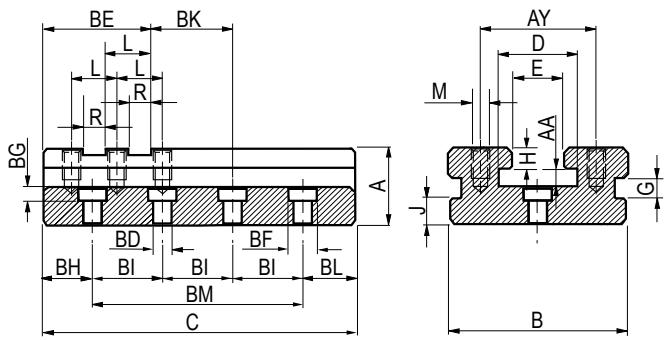
pos. 1



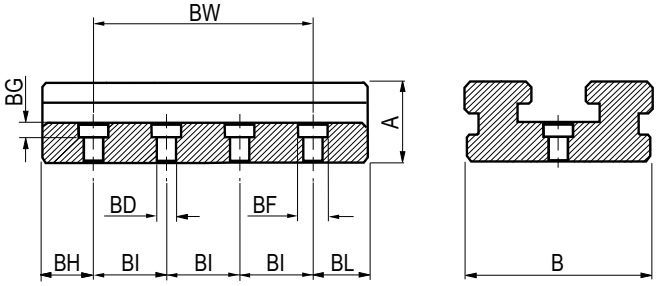
pos. 2



Art. 44A



Art. 51A



Tipo (grandezza) morsa / Vise (type) size

mm	1	2	3	4	5	6	Tolleranza Tolerance
A	35	40	50	58	70	78	- 0.02
B	75	95	125	145	170	195	- 0.02
C	140	160	230	240	300	350	
D	31	41	57	70	80	90	
E	21	28	41	51	61	71	+ 0.02
F	77.9	77.9	89.4	96.9	113.4	120.4	- 0.04
G	9.5	9.5	11.5	11.5	17.5	17.5	
H	10	10	13	15	20	20	- 0.02
I	31	41	40	57.5	31	67	
J	15	15	20	20	26	26	
K	84.8	84.8	101.8	101.8	132.8	146.8	- 0.04
L	32	32	36	36	44	44	- 0.02
M	M10	M12	M14	M16	M20	M20	
N	30	40	50	60	65	80	± 0.02
O	43	43	46	48	53	53	
P	33.6	33.6	33.6	33.6	33.6	33.6	± 0.02
Q	29	49	157.5	61	55	98	
R	16	16	16	16	16	16	H7
S	100	125	150	175	200	300	
T	6.5	8.5	13	13	17	17	
U	10.5	13.5	19	19	26	26	
V	4.5	5.5	8.5	8.5	17	17	
W	42.4	42.4	50.9	55.4	66.4	73.4	± 0.02
X	44	44	48.5	53	56	63	± 0.02
Y	35.5	35.5	35.5	41.5	47	47	± 0.02
Z	0.5	0.5	0.5	1.5	2	2	
AA	10	10	12	18	18	18	+ 0.04
AB	40	40	50	50	100	100	
AC	76	76	84.5	89	100	107	- 0.02
AD	21	41	99.5	103	147	190	
AE	62.6	82.6	141.6	144.6	188.6	231.6	
AF	31.5	31.5	35.5	35.5	42	42	
AG	30.6	50.6	105.1	108.6	144.6	187.6	
AH	69.5	89.5	153.5	158.5	208	258	
AI	7.4	7.4	12.9	15.4	21.4	28.4	
AJ	36	36	40.5	45	48	55	± 0.1
AK	80 3 x Ø12	80 3 x Ø12	120 4 x Ø12	120 4 x Ø12	160 3 x Ø12	240 4 x Ø12	± 0.01
AL	111	111	122.5	129	145	152	
AM	24.6	24.6	23.6	20.6	22.6	15.6	
AN	37.5	57.5	117.5	122.5	164.	214	
AO	30.6	50.6	105.1	108.6	144.6	187.6	
AP	62.6	82.6	141.6	144.6	188.6	231.6	
AQ	50	60	80	90	100	120	
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AS	28	49	102	82	122	136	
AT	55	68	82	62	92	70	
AU	45	38	47	27	52	45	

Tipo (grandezza) morsa / Vise (type) size

mm	1	2	3	4	5	6	Tolleranza Tolerance
AV	29	49	107.5	111	155	198	
AW	111	111	122.5	129	145	152	
AX	33.6	33.6	33.6	33.6	33.6	33.6	± 0.02
AY	50	62	88	100	120	133	
AZ	62	80	90	116	138	184	
BA							
BB	20	32	50	50	76	90	
BC	45	38	47	32	52	55	
BD	16	16	16	16	16	16	F7
BE	75	75	82	84	97	97	
BF	20.5	25	25	25	25	25	
BG	8	8	10	10	10	10	
BH	36	21	40	32.5	31	67	
BI	50	50	50	50	50	50	± 0.01
BJ	33.6	33.6	33.6	33.6	33.6	33.6	± 0.02
BK	36	36	40.5	45	48	55	± 0.01
BL	29	39	40	57.5	69	83	
BM	111	121	190	182.5	231	267	
BN	320	320	400	400	500	500	
BO	11	11	18	18	20	20	
BP	24.6	24.6	23.1	20.6	22.6	15.6	
BQ	35	35	38	40	45	45	
BR	67	67	74	76	89	89	
BS	12	12	12	12	12	12	F7
BT	20	20	20	20	20	20	
BU	8	8	8	8	8	8	
BV	31	31	42.5	49	65	72	
BW	100 3 x Ø16	100 3 x Ø16	150 4 x Ø16	150 4x Ø16	200 3 x Ø16	200 3 x Ø16	± 0.01
BX	10	10	15	15	20	20	
BY	10	10	15	20	25	30	
BZ	40	40	40	40	40	40	± 0.01
CA	195	228	312	302	392	420	
CB							
CC	20	20	25	25	25	25	
CD	M6	M8	M12	M12	M16	M16	
CE	9	12	18	18	24	24	
CF	15	15	20	20	30	30	
CG	4	5	12	12	16	16	

3

PREDISPOSIZIONE e MONTAGGIO ELEMENTI MODULARI su CUBI LAVORATI
CUBE SET UP and MODULAR ELEMENTS MOUNTING on MACHINED TOMBSTONES

Cubo lavorato Art.53C Machined cube Art.53C	**Tipo di morsa** Vise type	**Predisposizione e montaggio*** Set-up & Mounting*	**Cubo con morse** Cube with vises
Cod. 8.53.C00220 Dim. A=550 / B=750 / H=850	Art.102 Tipo 5 Art. 103 Type 5	Per modulo / each modular element	









n°morse
Vises n° x **4**

n°morse
Vises n° x **4**

Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni modulo.

Amount needed for the set-up of each side and mounting + alignement of each modular element on it.

* Predisposizione 4 facce, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
4 Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

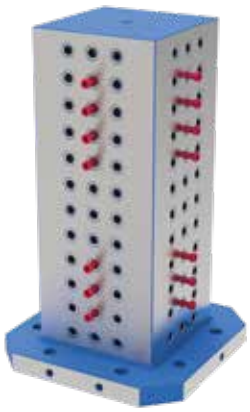
Certficato di collaudo
Certificate test

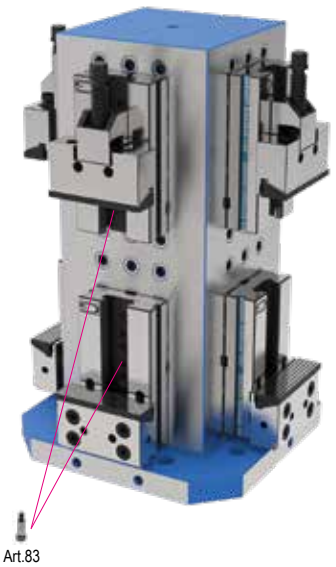
MONTAGGIO e ALLINEAMENTO ELEMENTI MODULARI su CUBI a RETICOLO
ALIGNEMENT and MODULAR ELEMENTS MOUNTING on GRID TOMBSTONES

Cubo lavorato Art.53F Machined cube Art.53F	**Tipo di morsa** Vise type	**Montaggio e allineamento*** Mounting and alignment*	**Cubo con morse** Cube with vises
Cod. 8.53.F00220 Dim. A=550 / B=750 / H=850	Art.102 Tipo 5 Art. 103 Type 5	Per modulo / each modular element	









n°morse
Vises n° x **4**

n°morse
Vises n° x **4**

Importo per montaggio ed allineamento di ogni modulo

Amount need for each modular element mounting and alignement.

* Montaggio e allineamento 4 morse incluso di viti, chiavette, staffe e quant'altro necessario.
4 vises mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

Diagrammi di serraggio / *Clamping diagrams*

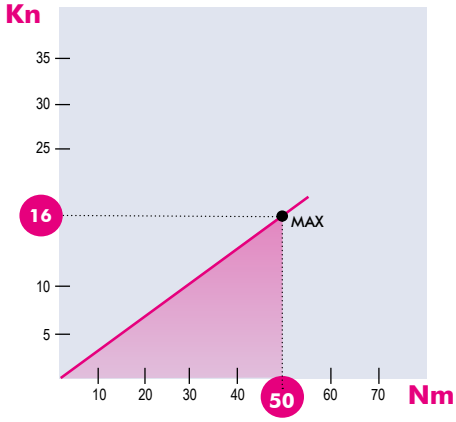
Modular elements

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Morse tipo 1
Vises type

Vite M12 - Passo 1,75mm - Screw M12 - Pitch 1,75mm

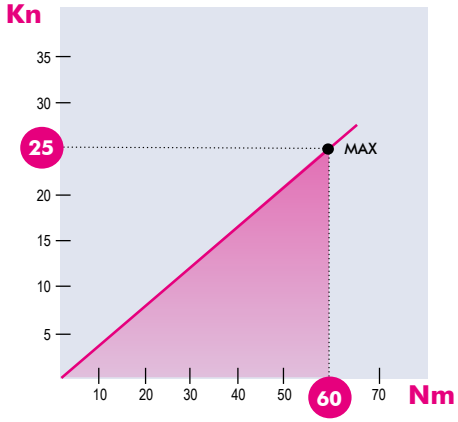




Art. 357

Morse tipo 2
Vises type

Vite TPN18 - Passo 4mm - Screw TPN18 - Pitch 4mm

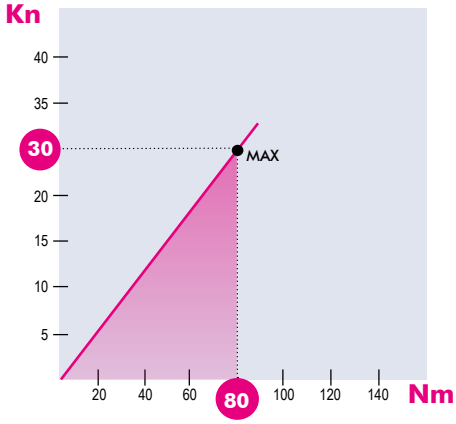


Gruppi di serraggio meccanici (Art. 258 e similari) / Mechanical clamping devices (Art. 258 and similar)

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), in funzione del momento applicato
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) depending on the torque

Morse tipo 3-4
Vises type

Vite TPN24 - Passo 5mm - Screw TPN24 - Pitch 5mm

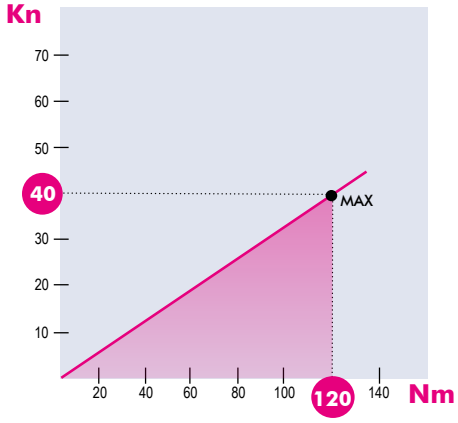


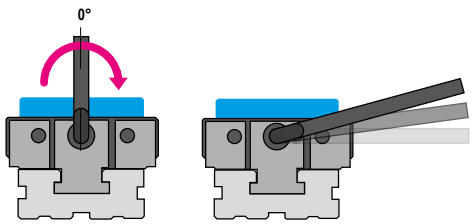


Art. 357

Morse tipo 5-6
Vises type

Vite TPN30 - Passo 5mm - Screw TPN30 - Pitch 5mm





Serrare il pezzo agendo sulla vite di spinta con la chiave in dotazione senza utilizzare tubi o martelli.
Attenzione: nel serraggio basta 1/4 di giro della chiave dal momento in cui la ganascia tocca il particolare.

Clamp the workpiece turning clockwise the main spindle through the box wrench without using tubes or hammers. Attention: for the right clamping operation 1/4 of a turn of the box wrench is enough

Type (Size)	1	2	3	4	5	6
Kn	12	26	36	46	50	50

Valori indicativi Kn raggiunte a 90°
Kn indicative values at 90°

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA
ALIGNEMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE

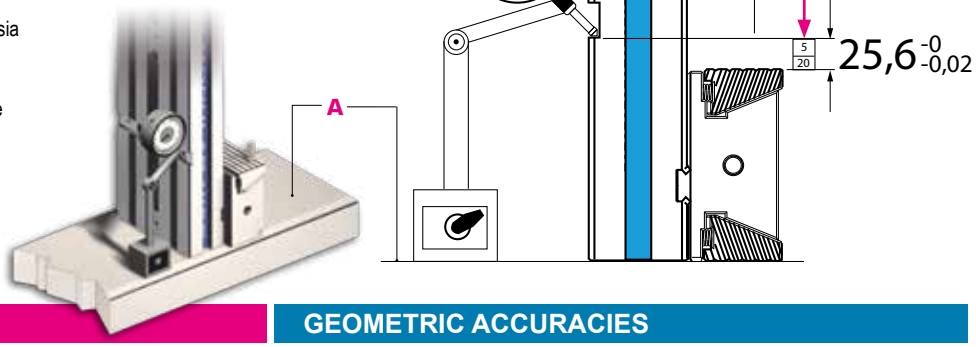
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

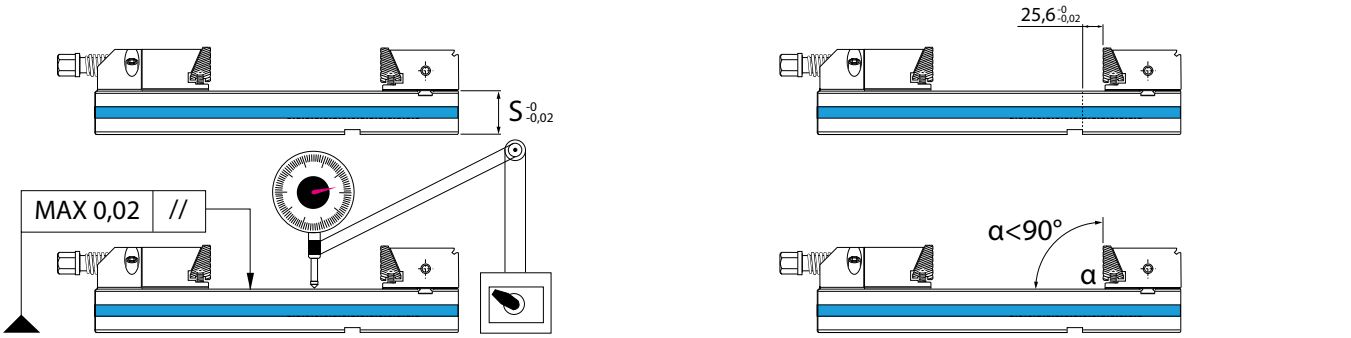
Scan the QR code to download the complete instructions

Posizionare la morsa verticalmente assicurandosi che sia perfettamente parallela al piano di appoggio **A** nei due sensi. Successivamente, con un comparatore centesimale, controllare il parallelismo del piano cava e della ganascia fissa.

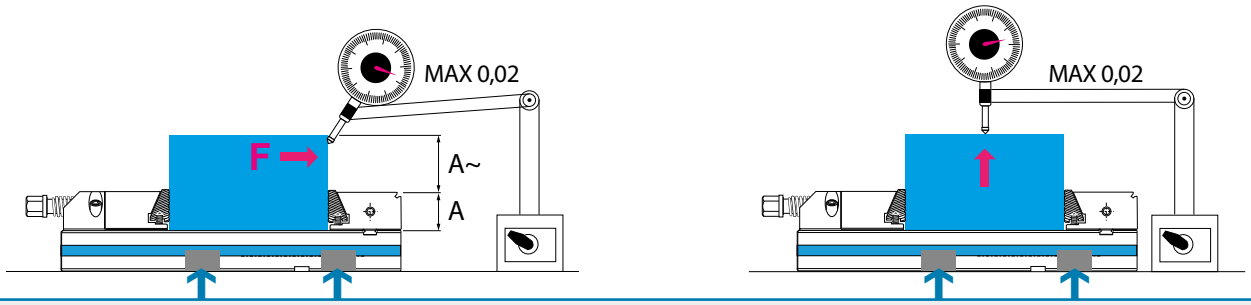
Set the vise vertically ensuring that it is perfectly at parallel to the table **A** in both sides.Then with an indicator check the parallelism of the keyway and its alignment with the fixed jaw plate.



TOLLERANZE GEOMETRICHE / GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE / DYNAMIC ACCURACIES

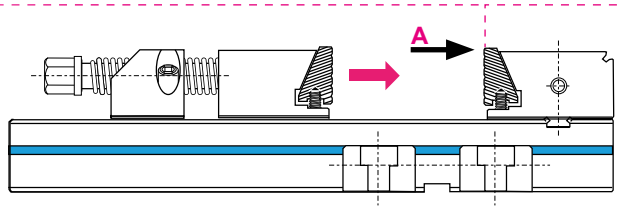


Morsa ancorata con 2 coppie di staffe Art.296 / Vise clamped with n. 2 pairs of Art.296

Valori di flessione nel punto "**A**" in relazione alle forze di serraggio **PER MORSE TIPO 3**

Deflection values at "**A**" in relation to clamping powers **FOR TYPE 3 VISES**

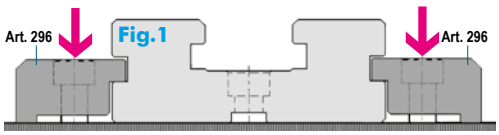
1 kgf . m = 9.806 Nm



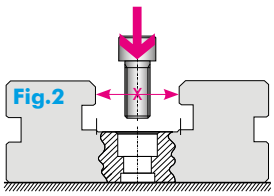
Kn	mm
60	0.1
50	0.07
40	0.05
30	0.03
20	0.02
10	0.01
5	0.004
2	0.002

Il sistema consigliato per l'ancoraggio della morsa sulla tavola macchina è tramite STAFFE Art.296. (Fig.1)
E' possibile ancorare la morsa tramite viti centrali, ma in questo caso la quota X potrebbe flettere e compromettere lo scorrimento della ganascia mobile. (Fig.2)
Nella tabella seguente sono riportati i valori di coppia massima applicabile mediante chiave dinamometrica

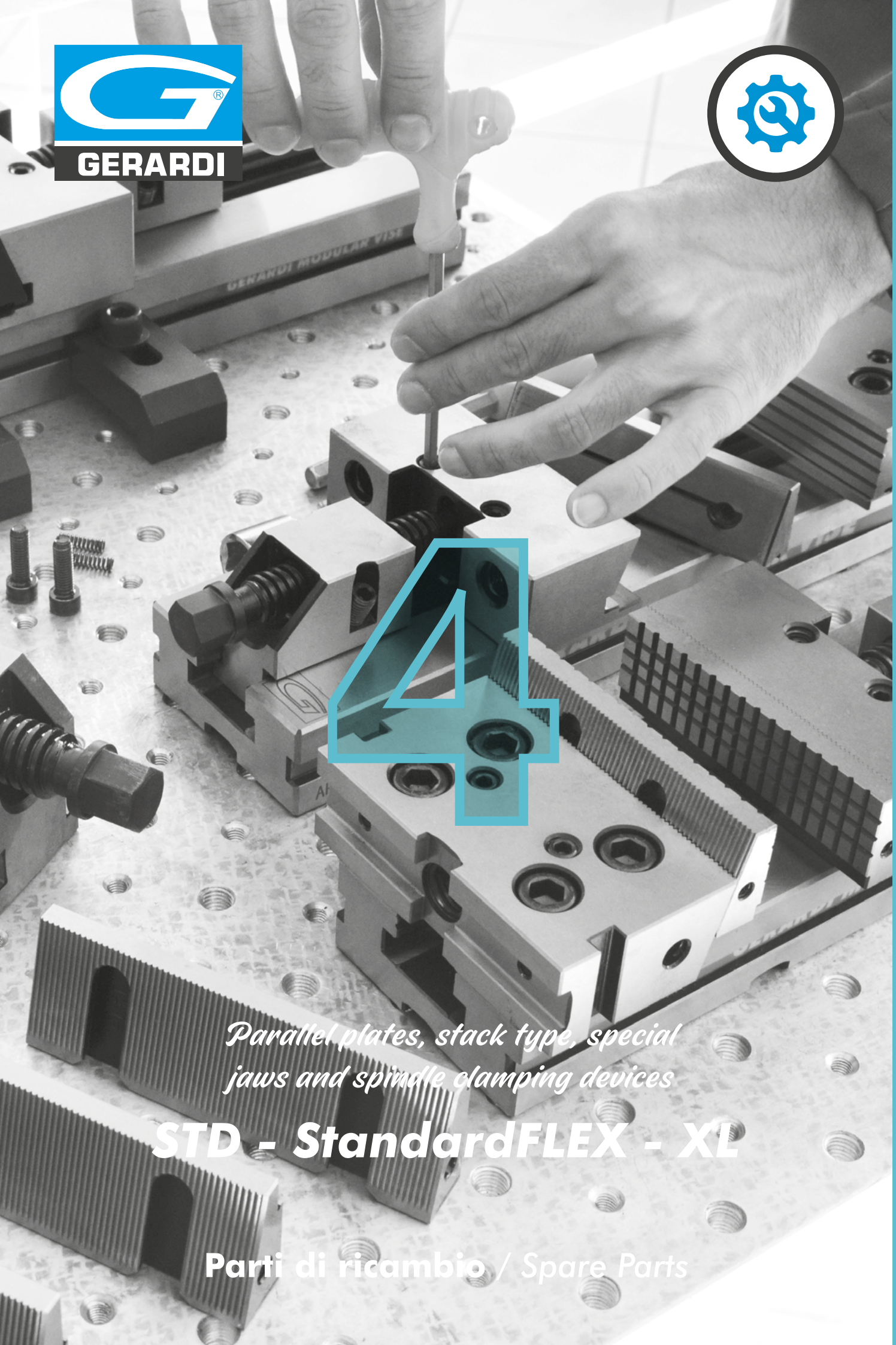
We recommend to fix the vises to the machine table using clamps Art. 296. (Fig. 1) The vise can be also fixed by means of central screws, but, this way, the X quota may suffer a bending and compromise the sliding of the movable jaws. (Fig. 2)
In the following table you can find the maximum torque values applicable through torque wrench.



Vite Screw	M8	M10	M12	M16
Torque Nm	40	80	140	345



Type	1	2	3	4	5	6
Torque Nm	18	40	140	140	250	250
Viti - Screws	2	2	3	4	4	4



4

Parallel plates, stack type, special jaws and spindle clamping devices

STD - StandardFLEX - XL

Parti di ricambio / *Spare Parts*

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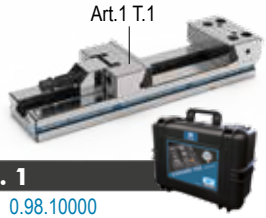
VALIGETTA DI CAMPIONATURA STD / StdFLEX
SAMPLE KIT CASE STD / StdFLEX

NEW 2021

Art. 981

Valigetta di campionatura
morsa Art.1
Sample kit case Art.1 vise



Morsa / Vise Art. 1

Cod. 0.98.10000

Art. 985

Valigetta di campionatura
morsa Art.1A
Sample kit case Art.1A vise



Morsa / Vise Art. 1A

Cod. 0.98.50000

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Art.271	Art.297	Art.298	Art.370	Art.375	Art.376

SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

GANASCE JAWS		Fissa Fixed	Mobile Movable	Intermedia Intermediate	Fissa con piastra singola Fixed with single plate	Fissa con piastra doppia Fixed with double plate	Ganasce sovrapponibili Stack Type Jaws
PIASTRE GANASCE JAW PLATES		Discendente Pull down	Discendente + inserti GRIP Pull down + GRIP inserts	Lavorabile Machineable	Cambio rapido manuale Quick manual change **StandardFLEX**	GRIP integrale Integral GRIP	Inserti GRIP Inserti GRIP
POSSIBILITÀ POSSIBILITY				Montaggio con centralina Mounting with power unit	Montaggio sul fianco o in serie Side mounting or gang operation	Posizionamento & cambio rapido Quick change & positioning	Cubi-morsa Vise tower
PAGINE PAGES	Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use	Diagrammi forze di serraggio Clamping force diagrams	Accessori idraulici Hydraulic accessories	Centraline idrauliche Hydraulic Power Units Comando manuale Manual control	Centraline idrauliche Hydraulic Power Units Comando elettrico Solenoid control	Centraline idrauliche Hydraulic Power Units Comando pneumatico Pneumatic control

4

Parti di ricambio / *Spare parts*

STD / StdFLEX / XL

Un ampia scelta di componenti ed accessori modulari !

Wide range of components and modular accessories !

USURA INESISTENTE / *NO WEAR*

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. Costruzione completamente in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 60 ±2 HRC. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo 5 ANNI DI GARANZIA su tutto il programma morse e organi meccanici in genere.

Thanks to the manufacturing with only the most suitable materials and to the structure of the vise components (developed using computer customised softwares and the experience gained during many years spent working on the specific field). High alloyed quality resistance steel, case hardened HRC 60 ±2, is used in manufacturing all the Gerardi vises and accessories in order to give maximum rigidity, high performances and no wear. As evidence we give 5 YEARS WARRANTY on all the vises and mechanical components.

MODULARITÀ / *MODULARITY*

Tutte le morse ed accessori sono elementi componibili, intercambiabili e perfettamente allineabili fra loro e con i quali è possibile ottenere differenti soluzioni di bloccaggio. Secondo tale principio l'unico elemento che differenzia le attrezzature con identica larghezza di presa è la base (la cui lunghezza determina la massima apertura della morsa), mentre gli altri componenti sono identici. Mediante l'aggiunta o semplice sostituzione di alcuni particolari si può variare la tipologia di bloccaggio secondo le proprie esigenze utilizzando la stessa attrezzatura acquistata in un primo momento (bloccaggi singoli, con base girevole, doppi, verticali, di pezzi piani, tondi, piatti e grezzi, manuali, idraulici o pneumatici).

All vises and accessories are modular and components of all our vises will interchange with perfect alignment to provide different workholding solutions. With this basic principle the only difference between fixtures with the same width of clamping is the base (whose length determines the maximum opening of the vise), while the rest of components have same dimensions. Through the simple addition or substitution of some particulares You can change the type of clamping as Your needs require using the same fixture purchased before (single clamping, swivel base, double, vertical, smooth or round or flat or rough workpieces, manual, hydraulic or pneumatic).

DESIGN COMPATTO / *SPACE SAVING DESIGN*

La semplicità nonché la compattezza costruttiva consentono un'apertura notevole rispetto all'ingombro totale dell'attrezzatura. Inoltre lo stesso peso (solo 25 kg per una morsa da 150 mm di larghezza ganascia) è tale da consentire un facile trasferimento da una macchina all'altra.

The space saving design and solid construction allow a maximum blocking ratio to total overall dimension of the vise. Furthermore the weight (only 25 kg for a 150 mm jaw width vise) allows a simple moving from one machine to another.

SERRAGGI RAPIDI / *QUICK CLAMPING*

Grazie allo scorrimento del gruppo di serraggio nella guida della base (a cremagliera) fino in prossimità del pezzo da lavorare dove si adatterà automaticamente alla nicchia più vicina. L'operazione di serraggio si conclude agendo sulla vite di bloccaggio. Oltre a quello manuale meccanico, sono disponibili 4 ulteriori sistemi di serraggio intecambiabili e indipendenti: 1 - Idraulici / 2 - Pneumatici / 3 - Idraulici manuali / 4 - Idraulici elettrici. L'operazione è in termini di secondi.

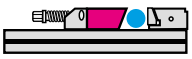
Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1- Hydraulic / 2- Pneumatic / 3- Manual hydraulic / 4- Electrical hydraulic. The change needs only few seconds.



Art.131 / 138 / 150

Ganasce Sovrapponibili

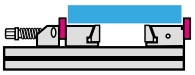
Stack type jaws



Art.210

Ganasce mobili guidate monoblocco per pezzi tondi

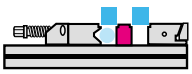
Solid guided movable jaws for round workpieces



Art.132 / 133

Prolunga per ganasce mobili e fisse

Extension for movable and fixed jaws



Art.212

Ganascia mobile intermedia con doppio gradino

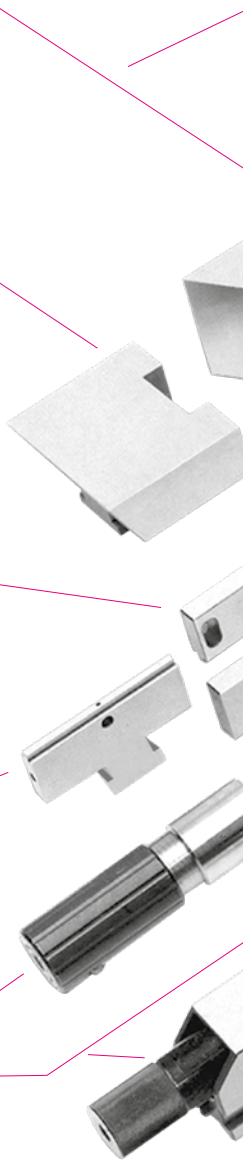
Intermediate movable jaws with double step



Art.257 / 258 / 271

Gruppi di serraggio

Spindle clamping devices



Sicuramente uno dei punti di forza del sistema modulare GERARDI consiste nell'amplissima scelta di componentistica ed accessori nonché nel continuo investimento e sviluppo nei più avanzati concetti e soluzioni originali. Il programma che viene presentato nelle pagine seguenti fa parte di un sistema modulare di bloccaggio fra i più ampi e completi a livello mondiale che permette realmente di trasformare in standard ciò che sembrerebbe essere speciale (oltre 1000 articoli moltiplicati per 6 grandezze diverse). Il segreto di tutto ciò sta proprio nella modularità del sistema che consente (con l'aggiunta di alcuni componenti) una più ampia gamma di impieghi.

One of the biggest point of strength of GERARDI modular system lies in the broadest assortment program of components and accessories and also in the continuous investment and development of the most advanced concepts and original solutions. The range of items shown in the following pages is part of a modular workholding system among the widest and complete in the world. So, any holding and clamping issue You ever have, You can solve it with Gerardi standard modular products. The secret lies just in the modularity of the system which allows (choosing different components) a wider range of solutions.

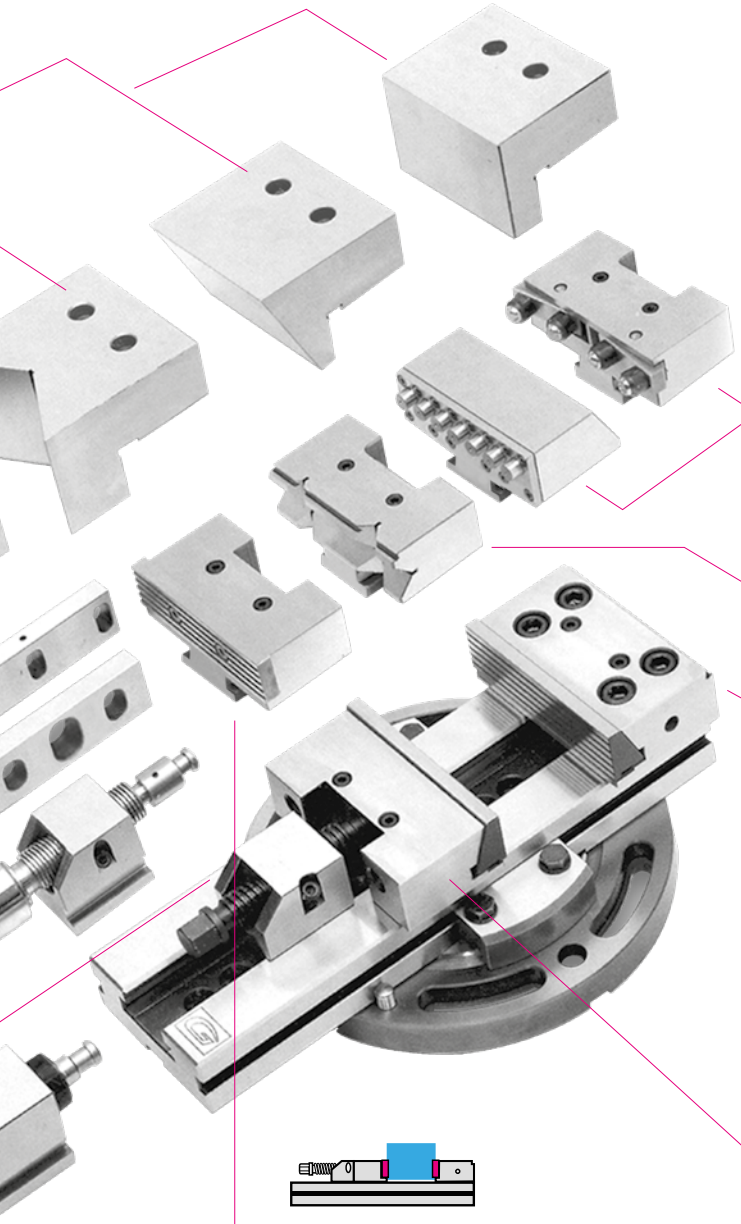
SCAN IT TO WATCH THE VIDEO PRESENTATION

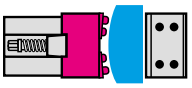
5 YEARS WARRANTY

Parallele, ganasce sovrapponibili, speciali e gruppi di serraggio intercambiabili

Parallel plates, stack type & special jaws and interchangeable clamping devices

4

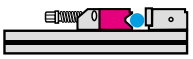




Art.190 / 188

Ganasce mobili guidate monoblocco

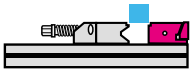
Solid guided movable jaws



Art.217

Ganasce mobili guidate monoblocco prismatiche (per serraggio pezzi piatti e tondi)

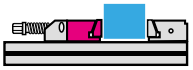
Solid guided movable prismatic jaws (for plates & round workpieces clamping)



Art.120

Le ganasce fisse monoblocco consentono, una volta ruotate di 180°, il perfetto accopiamento al gradino della ganascia prismatica mobile (Art. 217) ordinabile separatamente.

The solid standard fixed jaws with 5x5 mm back steps are matchable, if turned of 180°, to the prismatic movable jaw (Art.217) to be ordered separately.



Art.127

Ganascia mobili guidate monoblocco costruite con un angolo di spinta verso il basso.

Guided movable jaws built in one solid body with a pull down angle

Art.246

Ganasce mobili guidate monoblocco con piastre piane

Solid guided movable jaw with straight plates

4

Parti di ricambio / *Spare parts*

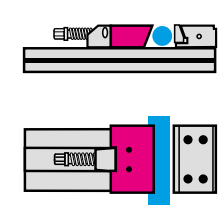
Standard / StdFLEX / XL

Piastre ganasce discendenti intercambiabili manualmente

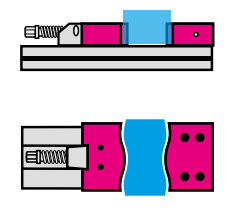
Pull down jaws plates interchangeable by hand



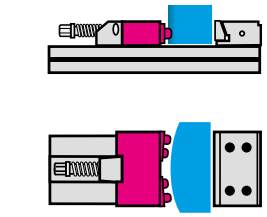
Art. 242G
Art. 246G
Pagina / Page 4.14
Larghezza Normale e Ridotta
Normal & Narrow Width



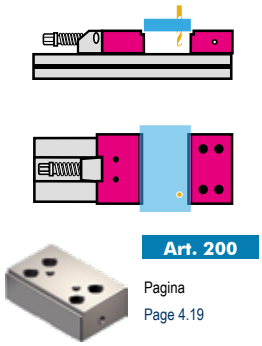
Art. 210
Pagina
Page 4.24



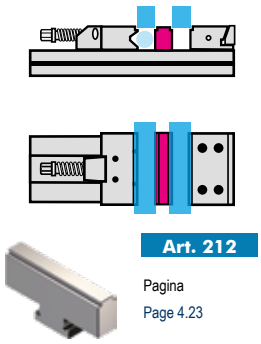
Art. 160
Pagina
Page 4.18



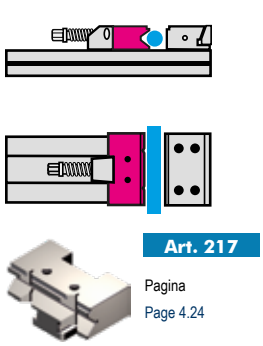
Art. 192
Pagina
Page 4.25



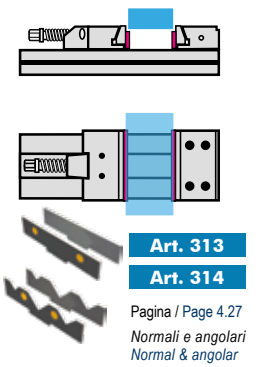
Art. 200
Pagina
Page 4.19



Art. 212
Pagina
Page 4.23



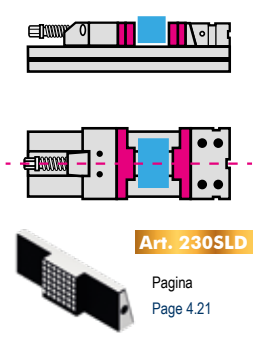
Art. 217
Pagina
Page 4.24



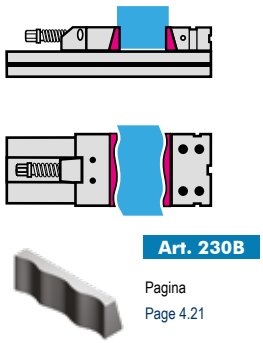
Art. 313
Art. 314
Pagina / Page 4.27
Normali e angolari
Normal & angolar

PIASTRE GANASCE COMPATIBILI SOLO CON MORSE STDFLEX

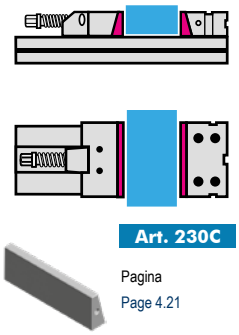
JAW PLATES COMPATIBLE ONLY WITH STDFLEX VISES



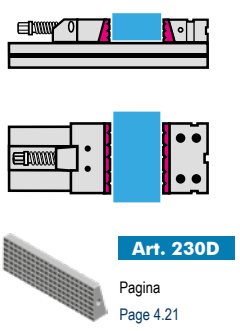
Art. 230SLD
Pagina
Page 4.21



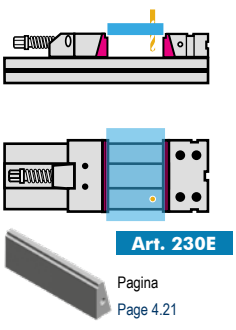
Art. 230B
Pagina
Page 4.21



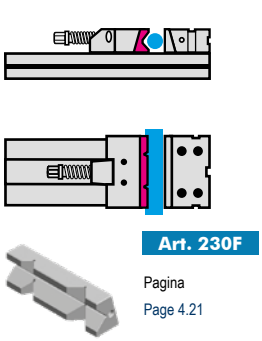
Art. 230C
Pagina
Page 4.21



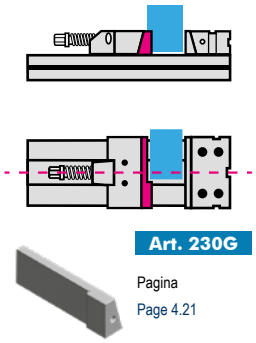
Art. 230D
Pagina
Page 4.21



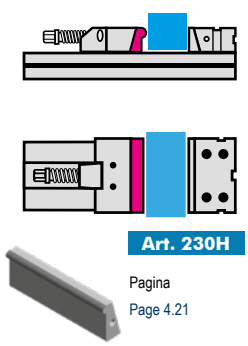
Art. 230E
Pagina
Page 4.21



Art. 230F
Pagina
Page 4.21



Art. 230G
Pagina
Page 4.21



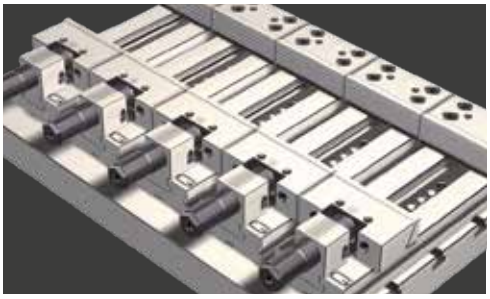
Art. 230H
Pagina
Page 4.21

Soluzioni personalizzate / *Customized solutions*

Standard / StdFLEX / XL

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

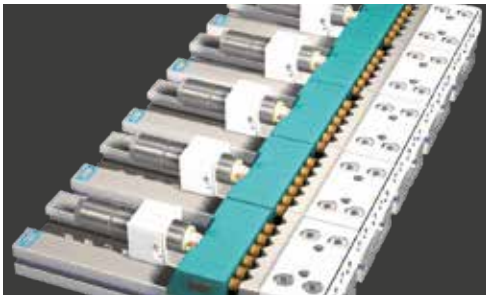


Serraggi idraulici

Hydraulic clamping

Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli idraulici

Precision Modular vises matchable for gang operations and hydraulic clamping

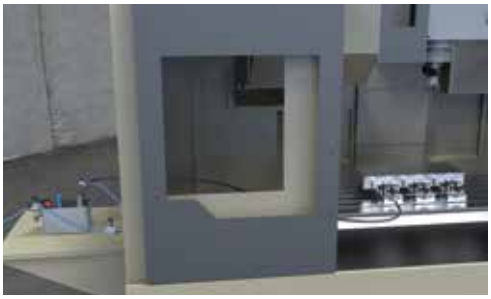


Serraggi multipli

Multiple clamping

Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli idraulici con ganasce speciali oleodinamiche interfacciate a piastre ganasce con inserti prismatici

Matchable and alignable precision modular vises for multiple hydraulic clamping through special hydraulic jaws interfaced to prismatic inserts jaw plates.

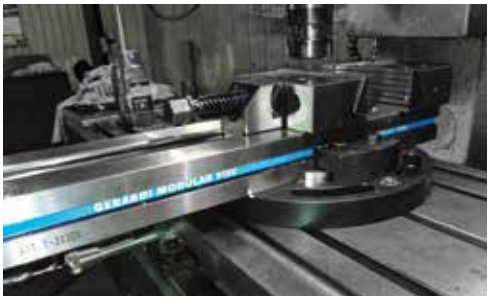


Morse StandardMatic

StandardMatic vises

Morse StandardMatic montate in serie su centro di lavoro vericale

StandardMatic vises series mounted on vertical machining centres



Art.2

Art.2

Morse Standard Art.1 montate con base girevole graduata su centro di lavoro verticale, per una maggiore verstilitità su 360°

Standard vise Art.1 mounted with graduated swivel base on vertical machining centre for a greatest versatility 360°



Ganasce con inserti Grip

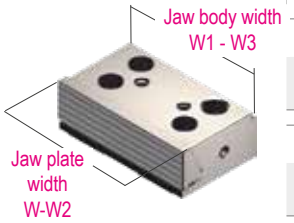
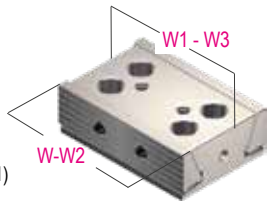
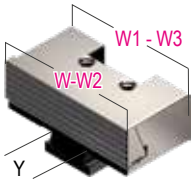
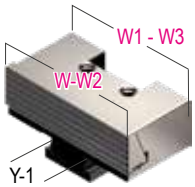
Insert Grip jaw plate

Morsa Standard con piastre ganasce a gradino con inserti Grip per un serraggio più efficace

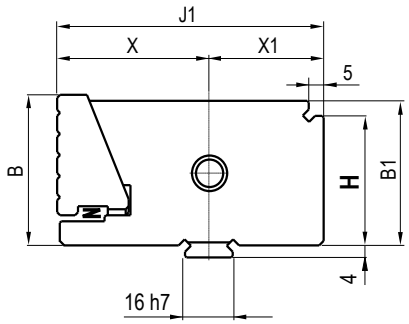
Standard vise equipped with insert grip step jaw plate for more effective workpiece clamping

GANASCE STANDARD / STANDARD JAWS

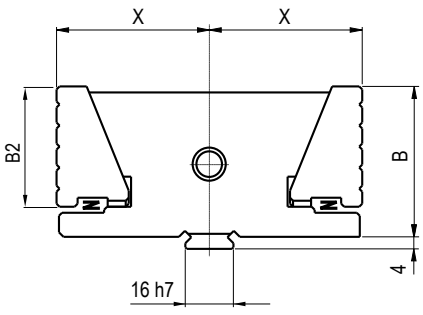
4

Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 120 W - W3 Ganascia fissa. **Larghezza normale** (W) - (W3) Fixed jaw. **Normal width** (W) - (W3)		Cod. 2.12.01000	2.12.02000	2.12.03000	2.12.04000	2.12.05000	2.12.06000
Art. 121 W2 - W1 Ganascia fissa. **Larghezza ridotta** rettificata (W2) - (W1) Fixed jaw. **Narrow width** ground (W2) - (W1)		Cod. 2.12.11000	2.12.12000	2.12.13000	2.12.14000	2.12.15000	2.12.16000
Art. 123 W - W3 Ganascia fissa doppia. **Larghezza normale** (W) - (W3) Double fixed jaw. **Normal width** (W) - (W3)		Cod. 2.12.31000	2.12.32000	2.12.33000	2.12.34000	2.12.35000	2.12.36000
Art. 124 W2 - W1 Ganascia fissa doppia. **Larghezza ridotta** rettificata (W2) - (W1) Double fixed jaw. **Narrow width** ground (W2) - (W1)		Cod. 2.12.41000	2.12.42000	2.12.43000	2.12.44000	2.12.45000	2.12.46000
Art. 127 W - W3 Ganascia mobile monoblocco guidata.**Larghezza normale** (W) - (W3) Guided movable solid jaw. **Normal width** (W) - (W3)		Cod. 2.12.71000	2.12.72000	2.12.73000	2.12.74000	2.12.75000	2.12.76000
Art. 129 W2 - W1 Ganascia mobile monoblocco guidata. **Larghezza ridotta** (W2) - (W1) Guided movable solid jaw. **Narrow width** (W2) - (W1)		Cod. 2.12.91000	2.12.92000	2.12.93000	2.12.94000	2.12.95000	2.12.96000
Art. 126 W - W3 Ganascia mobile **oscillante**.**Larghezza normale** (W) - (W3) **Floating** movable jaw. **Normal width** (W) - (W3)		Cod. 2.12.61000	2.12.62000	2.12.63000	2.12.64000	2.12.65000	2.12.66000
Art. 128 W2 - W1 Ganascia mobile **oscillante**. **Larghezza ridotta** (W2) - (W1) **Floating** movable jaw. **Narrow width** (W2) - (W1)		Cod. 2.12.81000	2.12.82000	2.12.83000	2.12.84000	2.12.85000	2.12.86000

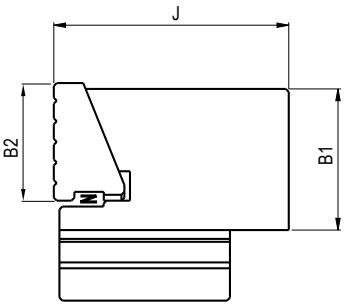
Art. 120



Art. 123



Art. 127



Tipo / Type	1	2	3	4	5	6
W = Jaw plate	100	125	150	175	200	300
W1 = Jaw body	75	95	125	145	170	195
W2 = Jaw plate	74	94	124	144	169	194
W3 = Jaw body	96	121	146	171	196	296
Y	21	28	41	51	61	71
Y - 1	20	27	40	50	60	70
B	30	40	50	60	65	80
B1	28	38	48	58	63	78
B2	24,5	32	39	43	53	63
* H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	38,5	41,5	47	47
J1	77,9	77,9	89,4	96,9	113,4	120,1

* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

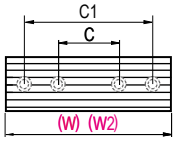
RICAMBI PER GANASCE STANDARD / SPARES FOR STANDARD JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

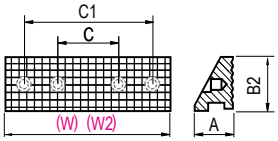
PIASTRE TEMPRATE **RIGATE O QUADRETTATE**
HARDENED **GROOVED OR SERRATED** JAW PLATES

Per qualsiasi piastra ganascia speciale, raddoppiare il prezzo / For special taylor made jaw plate double the price

Standard



A richiesta / On request **(EXTRA)**



W	100	125	150	175	200	300
W2	74	94	124	144	169	194
A	14	20	24	24	29	35
B2	24,5	32	39	43	53	63
C	20	32	50	50	76	90
C1	62	80	90	116	138	184

Art. 230 (W) **Art. 230S** (W)

Per ganascia fissa e mobile - Art. 120, 126, 127 - Larghezza normale (W)
For fixed and movable jaw - Art. 120, 126, 127 - Normal width (W)

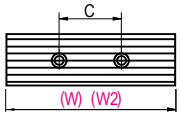
Cod. Art. 230	1.65.10000	1.65.20000	1.65.30000	1.65.40000	1.65.50000	1.65.60000
Cod. Art. 230S	4.23.0S100	4.23.0S200	4.23.0S300	4.23.0S400	4.23.0S500	4.23.0S600

Art. 231 **Art. 231S**

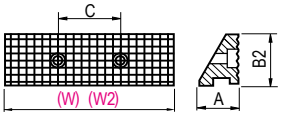
Per ganascia fissa e mobile - Art. 121, 128, 129 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 121, 128, 129 - Narrow width (W2)

Cod. Art. 231	1.65.11000	1.65.21000	1.65.31000	1.65.41000	1.65.51000	1.65.61000
Cod. Art. 231S	4.23.1S100	4.23.1S200	4.23.1S300	4.23.1S400	4.23.1S500	4.23.1S600

Standard



A richiesta / On request **(EXTRA)**



ATTENZIONE - ATTENTION:
IN FASE D'ORDINE VERIFICARE QUOTE **C - C1** - CHECK DIMENSIONS **C - C1** IN CASE OF ORDER

Art. 248 (W) **Art. 248S** (W)

Per ganascia fissa doppia Art. 123 - Larghezza normale (W)
For double fixed jaw Art. 123 - Normal width (W)

Cod. Art. 248	1.65.14000	1.65.24000	1.65.34000	1.65.44000	1.65.54000	1.65.64000
Cod. Art. 248S	4.24.8S100	4.24.8S200	4.24.8S300	4.24.8S400	4.24.8S500	4.24.8S600

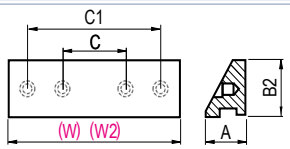
Art. 249 (W2) **Art. 249S** (W2)

Per ganascia fissa doppia Art. 124 - Larghezza ridotta (W2)
For double fixed jaw Art. 124 - Narrow width (W2)

Cod. Art. 249	1.65.15000	1.65.25000	1.65.35000	1.65.45000	1.65.55000	1.65.65000
Cod. Art. 249S	4.24.9S100	4.24.9S200	4.24.9S300	4.24.9S400	4.24.9S500	4.24.9S600

PIASTRE **LISCE** TEMPRATE
HARDENED **SMOOTH** JAW PLATES

Fornibili a richiesta già montate, a metà prezzo se in aggiunta all'acquisto della morsa
Available on request already mounted, at half price if purchased extra with the vise



Art. 232 (W)

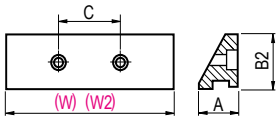
Per ganascia fissa e mobile - Art. 120, 127, 129 - Larghezza normale (W)
For fixed and movable jaw - Art. 120, 127, 129 - Normal width (W)

Cod. Art. 232	1.65.10100	1.65.20100	1.65.30100	1.65.40100	1.65.50100	1.65.60100

Art. 233 (W2)

Per ganascia fissa e mobile - Art. 121, 128, 129 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 121, 128, 129 - Narrow width (W2)

Cod. Art. 233	1.65.11100	1.65.21100	1.65.31100	1.65.41100	1.65.51100	1.65.61100



Art. 250 (W)

Per ganascia fissa doppia Art. 123 - Larghezza normale (W)
For double fixed jaw Art. 123 - Normal width (W)

Cod. Art. 250	1.65.14100	1.65.24100	1.65.34100	1.65.44100	1.65.54100	1.65.64100

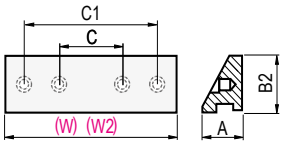
Art. 251 (W2)

Per ganascia fissa doppia Art. 124 - Larghezza ridotta (W2)
For double fixed jaw Art. 124 - Narrow width (W2)

Cod. Art. 251	1.65.15100	1.65.25100	1.65.35100	1.65.45100	1.65.55100	1.65.65100

PIASTRE IN ACCIAIO **LAVORABILE** (DOLCE)
MACHINEABLE STEEL JAW PLATES (SOFT)

Fornibili a richiesta già montate, a metà prezzo se in aggiunta all'acquisto della morsa
Available on request already mounted, at half price if purchased extra with the vise



Art. 234 (W)

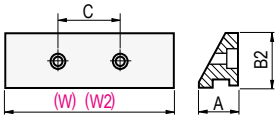
Per ganascia fissa e mobile - Art. 120, 127, 129 - Larghezza normale (W)
For fixed and movable jaw - Art. 120, 127, 129 - Normal width (W)

Cod. Art. 234	1.65.10200	1.65.20200	1.65.30200	1.65.40200	1.65.50200	1.65.60200

Art. 235 (W2)

Per ganascia fissa e mobile - Art. 121, 128, 129 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 121, 128, 129 - Narrow width (W2)

Cod. Art. 235	1.65.11200	1.65.21200	1.65.31200	1.65.41200	1.65.51200	1.65.61200



Art. 252 (W)

Per ganascia fissa doppia Art. 123 - Larghezza normale (W)
For double fixed jaw Art. 123 - Normal width (W)

Cod. Art. 252	1.65.14200	1.65.24200	1.65.34200	1.65.44200	1.65.54200	1.65.64200

Art. 253 (W2)

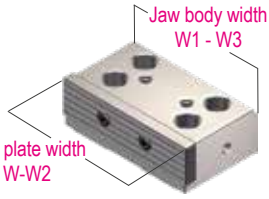
Per ganascia fissa doppia Art. 124 - Larghezza ridotta (W2)
For double fixed jaw Art. 124 - Super narrow width (W2)

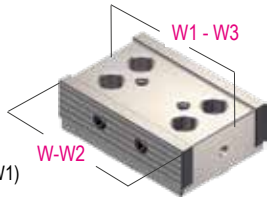
Cod. Art. 253	1.65.15200	1.65.25200	1.65.35200	1.65.45200	1.65.55200	1.65.65200

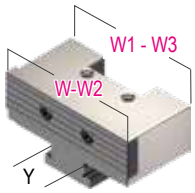
GANASCE CON PIASTRE PIANE / STRAIGHT PLATE JAWS

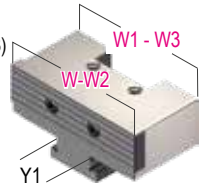
4

Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 140 W - W3 Ganascia fissa. **Larghezza normale** (W) - (W3) Fixed jaw. **Normal width** (W) - (W3)	Cod.	2.14.01000	2.14.02000	2.14.03000	2.14.04000	2.14.05000	2.14.06000
Art. 141 W2 - W1 Ganascia fissa. **Larghezza ridotta rettificata** (W2) - (W1) Fixed jaw. **Narrow width ground** (W2) - (W1)	Cod.	2.14.11000	2.14.12000	2.14.13000	2.14.14000	2.14.15000	2.14.16000
Art. 143 W - W3 Ganascia fissa doppia. **Larghezza normale** (W) - (W3) Double fixed jaw. **Normal width** (W) - (W3)	Cod.	2.14.31000	2.14.32000	2.14.33000	2.14.34000	2.14.35000	2.14.36000
Art. 144 W2 - W1 Ganascia fissa doppia. **Larghezza ridotta rettificata** (W2) - (W1) Double fixed jaw. **Narrow width ground** (W2) - (W1)	Cod.	2.14.41000	2.14.42000	2.14.43000	2.14.44000	2.14.45000	2.14.46000
Art. 146 W - W3 Ganascia mobile monoblocco guidata. **Larghezza normale** (W) - (W3) Guided movable solid jaw. **Normal width** (W) - (W3)	Cod.	2.14.61000	2.14.62000	2.14.63000	2.14.64000	2.14.65000	2.14.66000
Art. 147 W2 - W1 Ganascia mobile monoblocco guidata. **Larghezza ridotta** (W2) - (W1) Guided movable solid jaw. **Narrow width** (W2) - (W1)	Cod.	2.14.71000	2.14.72000	2.14.73000	2.14.74000	2.14.75000	2.14.76000
Art. 148 W - W3 Ganascia mobile monoblocco oscillante. **Larghezza normale** (W) - (W3) Floating movable solid jaw. **Normal width** (W) - (W3)	Cod.	2.14.81000	2.14.82000	2.14.83000	2.14.84000	2.14.85000	2.14.86000
Art. 149 W2 - W1 Ganascia mobile monoblocco oscillante.**Larghezza ridotta** (W2) - (W1) Floating movable solid jaw. **Narrow width** (W2) - (W1)	Cod.	2.14.91000	2.14.92000	2.14.93000	2.14.94000	2.14.95000	2.14.96000

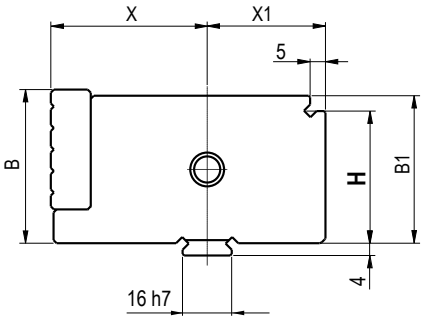




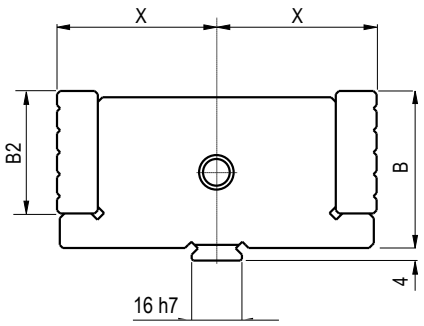




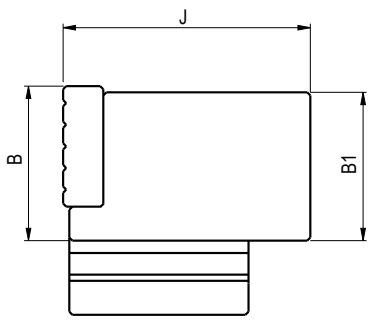
Art. 140



Art. 143



Art. 146



Tipo / Type	1	2	3	4	5	6
W = Jaw plate	100	125	150	175	200	300
W1 = Jaw body	75	95	125	145	170	195
W2 = Jaw plate	74	94	124	144	169	194
W3 = Jaw body	96	121	146	171	196	296
Y	21	28	41	51	61	71
Y1	20	27	40	50	60	70
B	30	40	50	60	65	80
B1	28	38	48	58	63	78
B2	24,5	32	40	43	48	63
* H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	38,5	41,5	47	47

* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

RICAMBI PER GANASCE CON PIASTRE PIANE / SPARES FOR STRAIGHT JAW PLATES

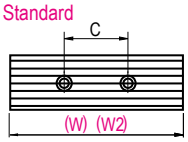
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

PIASTRE PIANE TEMPRATE, RIGATE O QUADRETTATE
HARDENED GROOVED OR SERRATED STRAIGHT JAW PLATES

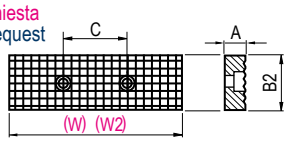
Dotazione normale delle ganasce e delle morse complete
Standard equipment on complete jaws and vises

Per qualsiasi piastra ganascia speciale, raddoppiare il prezzo / For special taylor made jaw plate double the price

Standard



A richiesta
On request



W	100	125	150	175	200	300
W2	74	94	124	144	169	194
A	12	12	13	13	18	18
B2	24,5	32	40	43	48	56
C	25	32	50	50	76	90

Art. 242 (W)

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

Art. 242S (W)

Cod. Art. 242	1.65.16000	1.65.26000	1.65.36000	1.65.46000	1.65.56000	1.65.66000
Cod. Art. 242S	4.24.2S100	4.24.2S200	4.24.2S300	4.24.2S400	4.24.2S500	4.24.2S600

Art. 243 (W2)

Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

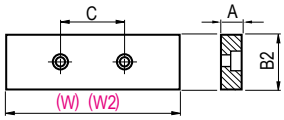
Art. 243S (W2)

Cod. Art. 243	1.65.17000	1.65.27000	1.65.37000	1.65.47000	1.65.57000	1.65.67000
Cod. Art. 243S	4.24.3S100	4.24.3S200	4.24.3S300	4.24.3S400	4.24.3S500	4.24.3S600

4

PIASTRE PIANE LISCE TEMPRATE
HARDENED SMOOTH STRAIGHT JAW PLATES

Fornibili a richiesta già montate, a metà prezzo se in aggiunta all'acquisto della morsa
Available on request already mounted, at half price if purchased extra with the vise



Art. 244 (W)

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

Cod. Art. 244	4.24.41000	4.24.42000	4.24.43000	4.24.44000	4.24.45000	4.24.46000

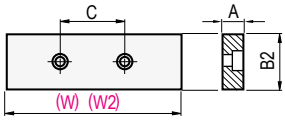
Art. 245 (W2)

Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

Cod. Art. 245	4.24.51000	4.24.52000	4.24.53000	4.24.54000	4.24.55000	4.24.56000

PIASTRE PIANE IN ACCIAIO LAVORABILE (DOLCE)
MACHINEABLE STEEL STRAIGHT JAW PLATES (SOFT HRC)

Fornibili a richiesta già montate, a metà prezzo se in aggiunta all'acquisto della morsa
Available on request already mounted, at half price if purchased extra with the vise



Art. 246 (W)

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

Cod. Art. 246	1.65.16200	1.65.26200	1.65.36200	1.65.46200	1.65.56200	1.65.66200

Art. 247 (W2)

Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

Cod. Art. 247	1.65.17200	1.65.27200	1.65.37200	1.65.47200	1.65.57200	1.65.67200

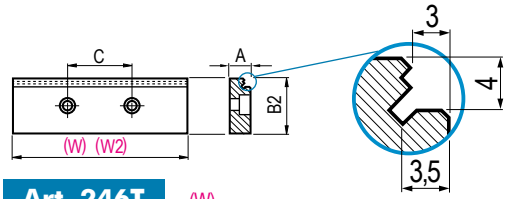
PIASTRE PIANE TEMPRATE GRIP
HARDENED STRAIGHT JAW PLATES GRIP

Fornibili a richiesta già montate, a metà prezzo se in aggiunta all'acquisto della morsa
Available on request already mounted, at half price if purchased extra with the vise



PIASTRE GANASCE "GRIP" JAW PLATES

MINOR SUPERFICIE DI CONTATTO + PRESSIONE DI SERRAGGIO
LESS SURFACE CONTACT + CLAMPING PRESSURE



Art. 246T (W)

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

Cod. Art. 246T	4.24.6T100	4.24.6T200	4.24.6T300	4.24.6T400	4.24.6T500	4.24.6T600

Art. 247T (W2)

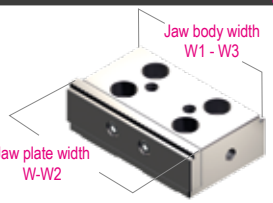
Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

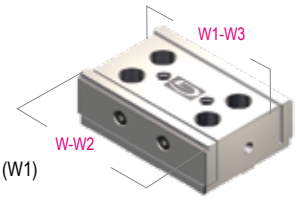
Cod. Art. 247T	4.24.7T100	4.24.7T200	4.24.7T300	4.24.7T400	4.24.7T500	4.24.7T600

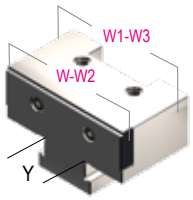
GANASCE CON PIASTRE PIANE GRIP / STRAIGHT PLATE GRIP JAWS

4

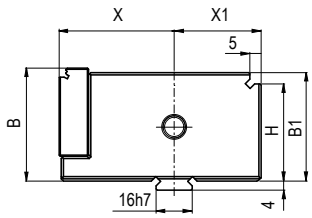
Tipo (grandezza) morsa / Vise type (size)	NEW	1	2	3	4	5	6
Art. 140T W - W3 Ganascia fissa GRIP. **Larghezza normale** (W) - (W3) Fixed GRIP jaw. **Normal width** (W) - (W3)		Cod.	2.14.0T100	2.14.0T200	2.14.0T300	2.14.0T400	2.14.0T500	2.14.0T600
Art. 141T W2 - W1 Ganascia fissa GRIP. **Larghezza ridotta rettificata** (W2) - (W1) Fixed GRIP jaw. **Narrow width ground** (W2) - (W1)		Cod.	2.14.1T100	2.14.1T200	2.14.1T300	2.14.1T400	2.14.1T500	2.14.1T600
Art. 143T W - W3 Ganascia fissa doppia. **Larghezza normale** (W) - (W3) Double fixed jaw. **Normal width** (W) - (W3)		Cod.	2.14.3T100	2.14.3T200	2.14.3T300	2.14.3T400	2.14.3T500	2.14.3T100
Art. 144T W2 - W1 Ganascia fissa doppia. **Larghezza ridotta rettificata** (W2) - (W1) Double fixed jaw. **Narrow width ground** (W2) - (W1)		Cod.	2.14.4T100	2.14.4T200	2.14.4T300	2.14.4T400	2.14.4T500	2.14.4T600
Art. 146T W - W3 Ganascia mobile monoblocco guidata. **Larghezza normale** (W) - (W3) Guided movable solid jaw. **Normal width** (W) - (W3)		Cod.	2.14.6T100	2.14.6T200	2.14.6T300	2.14.6T400	2.14.6T500	2.14.6T600
Art. 147T W2 - W1 Ganascia mobile monoblocco guidata. **Larghezza ridotta** (W2) - (W1) Guided movable solid jaw. **Narrow width** (W2) - (W1)		Cod.	2.14.7T100	2.14.7T200	2.14.7T300	2.14.7T400	2.14.7T500	2.14.7T600



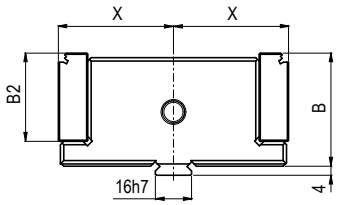




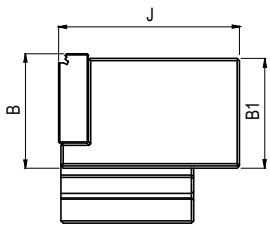
Art. 140T



Art. 143T



Art. 146T

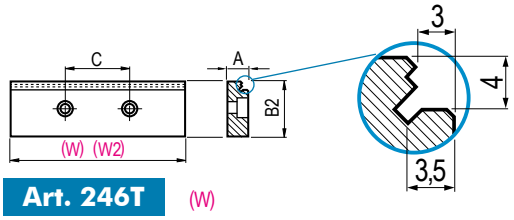


* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

Tipo / Type	1	2	3	4	5	6
W = Jaw plate	100	125	150	175	200	300
W1 = Jaw body	75	95	125	145	170	195
W2 = Jaw plate	74	94	124	144	169	194
W3 = Jaw body	96	121	146	171	196	296
Y	21	28	41	51	61	71
B	30	40	50	60	65	80
B1	28	38	48	58	63	78
B2	24,5	32	40	43	48	63
* H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	38,5	41,5	47	47

PIASTRE PIANE TEMPRATE GRIP
HARDENED STRAIGHT JAW PLATES GRIP

Fornibili a richiesta su ganasce e morse senza variazione di prezzo
Available on request for complete jaws and vises without price change





PIASTRE GANASCE "GRIP" JAW PLATES

MINOR SUPERFICIE DI CONTATTO + PRESSIONE DI SERRAGGIO
LESS SURFACE CONTACT + CLAMPING PRESSURE

Art. 246T (W)

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

Cod. Art. 246T	4.24.6T100	4.24.6T200	4.24.6T300	4.24.6T400	4.24.6T500	4.24.6T600

Art. 247T (W2)

Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

Cod. Art. 247T	4.24.7T100	4.24.7T200	4.24.7T300	4.24.7T400	4.24.7T500	4.24.7T600

GANASCE CON PIASTRE CON INSERTI GRIP / STRAIGHT PLATE JAWS WITH GRIP INSERTS

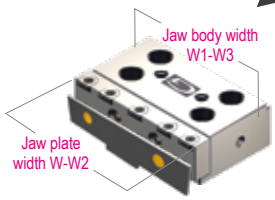
Tipo (grandezza) morsa / Vise type (size)	NEW	1	2	3	4	5	6

Art. 140G — W

Ganascia fissa completa di parallela magnetica. **Larghezza normale** (W) - (W3)
Fixed jaw with magnetic parallel. **Normal width** (W) - (W3)

Art. 141G — W2

Ganascia fissa completa di parallela magnetica. **Larghezza ridotta rettificata** (W2) - (W1)
Fixed jaw complete with magnetic parallel. **Narrow width ground** (W2) - (W1)



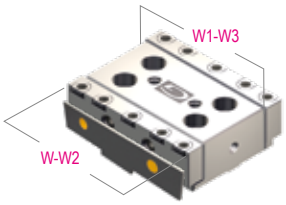
Cod.	2.14.0G100	2.14.0G200	2.14.0G300	2.14.0G400	2.14.0G500	2.14.0G600
Cod.	2.14.1G100	2.14.1G200	2.14.1G300	2.14.1G400	2.14.1G500	2.14.1G600

Art. 143G — W

Ganascia fissa doppia completa di parallela magnetica.
Larghezza normale (W) - (W3)
Double fixed jaw complete with magnetic parallel.
Normal width (W) - (W3)

Art. 144G — W2

Ganascia fissa doppia completa di parallela magnetica.
Larghezza ridotta rettificata (W2) - (W1)
Double fixed jaw complete with magnetic parallel. **Narrow width ground** (W2) - (W1)



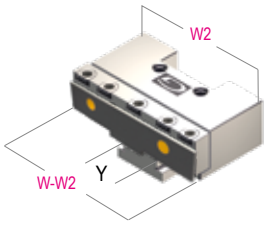
Cod.	2.14.3G100	2.14.3G200	2.14.3G300	2.14.3G400	2.14.3G500	2.14.3G600
Cod.	2.14.4G100	2.14.4G200	2.14.4G300	2.14.4G400	2.14.4G500	2.14.4G600

Art. 146G — W

Ganascia mobile monoblocco guidata completa di parallela magnetica. **Larghezza normale** (W)
Guided movable solid jaw. Complete with magnetic parallel. **Normal width** (W)

Art. 147G — W2

Ganascia mobile monoblocco guidata completa di parallela magnetica. **Larghezza ridotta** (W2)
Guided movable solid jaw complete with magnetic parallel. **Narrow width** (W2)



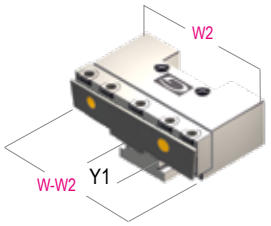
Cod.	2.14.6G100	2.14.6G200	2.14.6G300	2.14.6G400	2.14.6G500	2.14.6G600
Cod.	2.14.7G100	2.14.7G200	2.14.7G300	2.14.7G400	2.14.7G500	2.14.7G600

Art. 148G — W

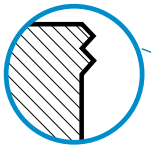
Ganascia mobile monoblocco oscillante completa di parallela magnetica. **Larghezza normale** (W)
Floating movable solid jaw complete with magnetic parallel. **Normal width** (W)

Art. 149G — W2

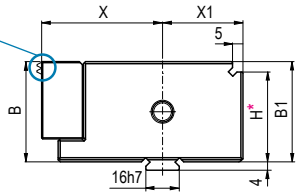
Ganascia mobile monoblocco oscillante completa di parallela magnetica. **Larghezza ridotta** (W2)
Floating movable solid jaw complete with magnetic parallel. **Narrow width** (W2)



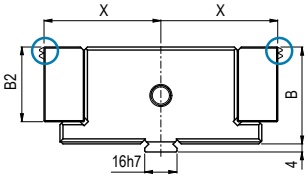
Cod.	2.14.8G100	2.14.8G200	2.14.8G300	2.14.8G400	2.14.8G500	2.14.8G600
Cod.	2.14.9G100	2.14.9G200	2.14.9G300	2.14.9G400	2.14.9G500	2.14.9G600



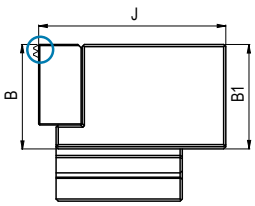
Art. 140G



Art. 143G



Art. 146G



* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

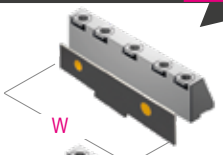
Tipo / Type	1	2	3	4	5	6
W = Jaw plate	100	125	150	175	200	300
W1 = Jaw body	75	95	125	145	170	195
W2 = Jaw plate	74	94	124	144	169	194
W3 = Jaw body	96	121	146	171	196	296
Y	21	28	41	51	61	71
Y1	20	27	40	50	60	70
B	28	38	48	58	63	78
B1	28	38	48	58	63	78
B2	24,5	30	37	42	46	54
* H	23	33	43	53	53	68
J	58	68	87	97	102	122
X	50,4	50,4	57,9	62,4	68,4	75,1
X1	35,5	35,5	38,5	41,5	47	47

PIASTRE GANASCE CON INSERTI GRIP E PARALLELA MAGNETICA

Tipo (grandezza) morsa / Vise type (size)	NEW	1	2	3	4	5	6

Art. 242G W

Piastra Ganascia con Inserti GRIP. **Larghezza normale** (W)
Jaw plate with GRIP insert. **Normal width** (W)

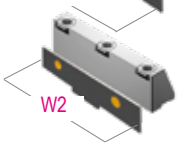


Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400	1.24.2G500	1.24.2G600

ATTENZIONE - ATTENTION:
Utilizzare solo con viti posteriori ben serrate - Using only with rear screws strong clamped

Art. 243G W2

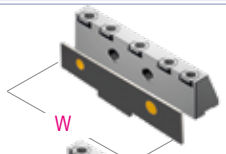
Piastra Ganascia con Inserti GRIP. **Larghezza ridotta rettificata** (W1)
Jaw plate with GRIP insert. **Narrow width ground** (W1)



Cod.	1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400	1.24.3G500	1.24.3G600

Art. 248G W

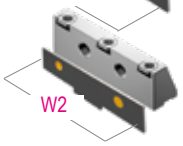
Piastra Ganascia con Inserti GRIP
per ganascia fissa doppia. Larghezza normale (W)
Jaw plate with GRIP insert for double fixed jaw. **Normal width** (W)



Cod.	1.24.8G100	1.24.8G200	1.24.8G300	1.24.8G400	1.24.8G500	1.24.8G600

Art. 249G W2

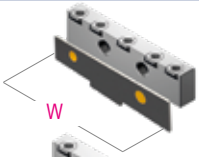
Piastra Ganascia con Inserti GRIP
per ganascia fissa doppia. Larghezza ridotta rettificata (W1)
Jaw plate with GRIP insert.
For double fixed jaw. Narrow width ground (W1)



Cod.	1.24.9G100	1.24.9G200	1.24.9G300	1.24.9G400	1.24.9G500	1.24.9G600

Art. 246G W

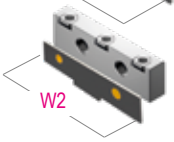
Piastra **Piana** con Inserti GRIP. **Larghezza normale** (W)
Straight Plate with GRIP inserts. **Normal width** (W)



Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400	1.24.6G500	1.24.6G600

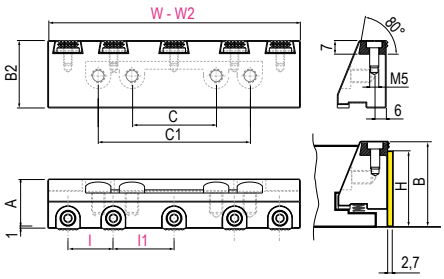
Art. 247G W2

Piastra **Piana** con Inserti GRIP. **Larghezza ridotta rettificata** (W1)
Straight Plate with GRIP inserts. **Narrow width ground** (W1)

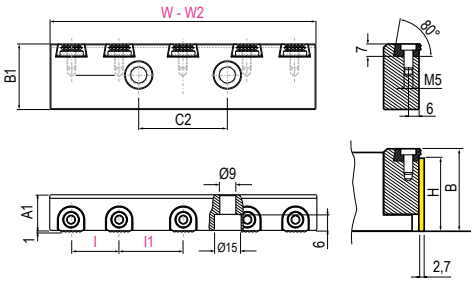


Cod.	1.24.7G100	1.24.7G200	1.24.7G300	1.24.7G400	1.24.7G500	1.24.7G600

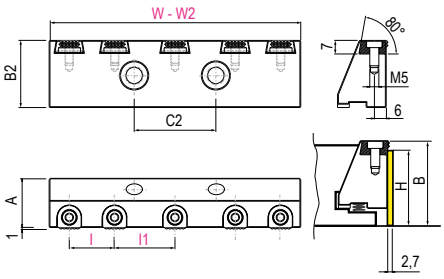
Art.242G W



Art.246G W



Art.248G W





Dotazione Standard - Standard Equipment
1 pc. Art.313S (parallela magnetica SINGOLA) - 1 pc. Art.313S (SINGLE magnetic parallel)

Tipo / Type	1	2	3	4	5	6
W	100	125	150	175	200	300
W2	74	94	124	144	169	194
I	-	-	31,5	35	27	33
I1	35	45	31,5	35	27	33
C	20	32	50	50	76	90
C1	62	80	90	116	138	184
C2	25	32	50	50	76	90
B	30	40	50	60	65	80
B1	24,5	32	39	43	48	56
B2	24,5	32	40	43	53	63
A	25	27	29	32	34	43
A1	20	20	20	20	20	20
H	25	35	45	55	60	75

INSERT GRIP JAW PLATES WITH MAGNETIC PARALLEL

NEW

Art. 242G

Con parallela magnetica e Inserti GRIP
With magnetic parallel and GRIP inserts



Art. 243G

Larghezza ridotta
Narrow width

Art. 248G Per ganascia fissa doppia / For double fixed jaw

Con parallela magnetica e Inserti GRIP
With magnetic parallel and GRIP inserts



Art. 249G

Larghezza ridotta
Narrow width

Art. 246G Piastra Piana / Straight Plate

Piana con parallela magnetica e Inserti GRIP
Straight with magnetic parallel and GRIP inserts

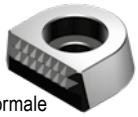


Art. 247G

Larghezza ridotta
Narrow width

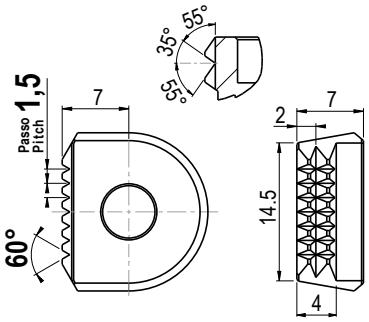
Inserti Grip - Grip Inserts

Art. 220 G01



Per materiali di durezza normale
For standard workpieces hardness clamping

Cod.	4.22.01000 / G01

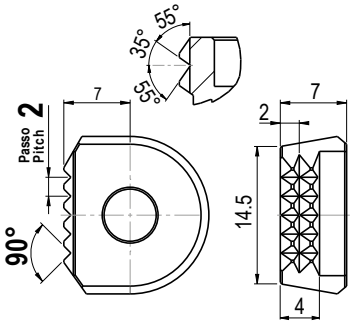


Art. 220 G02

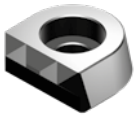


Per materiali di notevole durezza.
For hardened workpieces clamping

Cod.	4.22.01000 / G02

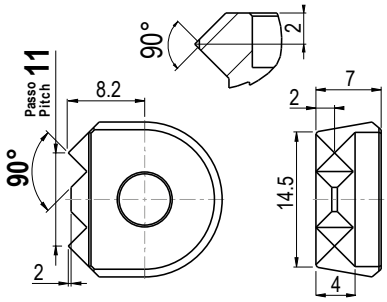


Art. 220 G11



Per materiali teneri
For soft material clamping

Cod.	4.22.01000 / G11



Tipo / Type	1	2	3	4	5	6
Art.242G - Art.248G - Art.246G	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	9 pcs each jaw plate
Art.243G - Art.249G - Art.247G	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	7 pcs each jaw plate
Viti a testa bassa M5 x 10mm Low head screws M5 x 10mm	3 pcs each	3 pcs each	5 pcs each	5 pcs each	7 pcs each	7 / 9 pcs each

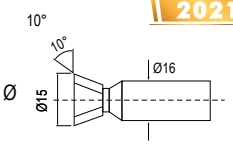
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art.220F

Utensile fresa per realizzare sedi per inserti grip su piastre ganasce dolci
Milling tool for machining the insert grip seat on machineable jaw plates



NEW 2021



Ø	15
Cod.	4.22.0F1510

PIASTRE GANASCE A GRADINO INTEGRALE CON INSERTI GRIP

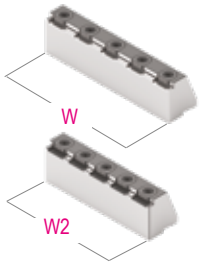
Tipo (grandezza) morsa / Vise type (size)	NEW 2021	1	2	3	4	5	6

Art. 242K W

Piastra Ganascia a gradino con Inserti GRIP.
Larghezza normale (W)
Step jaw plate with GRIP insert. **Normal width** (W)

Art. 243K W2

Piastra Ganascia a gradino con Inserti GRIP.
Larghezza ridotta rettificata (W1)
Step jaw plate with GRIP insert. **Narrow width ground** (W1)



Cod.	1.24.2K100	1.24.2K200	1.24.2K300	1.24.2K400	1.24.2K500	1.24.2K600

ATTENZIONE - ATTENTION:
Utilizzare solo con viti posteriori ben serrate - Using only with rear screws strong clamped

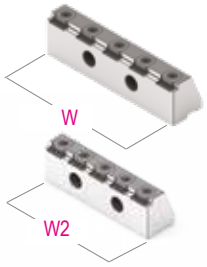
Cod.	1.24.3K100	1.24.3K200	1.24.3K300	1.24.3K400	1.24.3K500	1.24.3K600

Art. 248K W

Piastra Ganascia a gradino con Inserti GRIP
per ganascia fissa doppia. Larghezza normale (W)
Jaw plate with GRIP insert for double fixed jaw. **Normal width** (W)

Art. 249K W2

Piastra Ganascia a gradino con Inserti GRIP
per ganascia fissa doppia. Larghezza ridotta rettificata (W1)
Step jaw plate with GRIP insert.
For double fixed jaw. Narrow width ground (W1)



Cod.	1.24.8K100	1.24.8K200	1.24.8K300	1.24.8K400	1.24.8K500	1.24.8K600

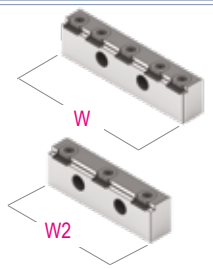
Cod.	1.24.9K100	1.24.9K200	1.24.9K300	1.24.9K400	1.24.9K500	1.24.9K600

Art. 246K W

Piastra **Piana** con Inserti GRIP. **Larghezza normale** (W)
Straight Plate with GRIP inserts. **Normal width** (W)

Art. 247K W2

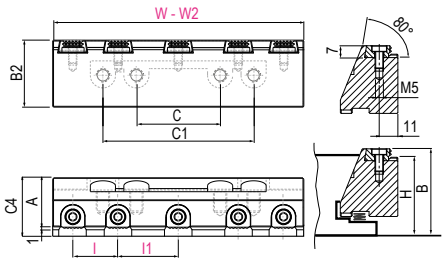
Piastra **Piana** con Inserti GRIP. **Larghezza ridotta rettificata** (W1)
Straight Plate with GRIP inserts. **Narrow width ground** (W1)



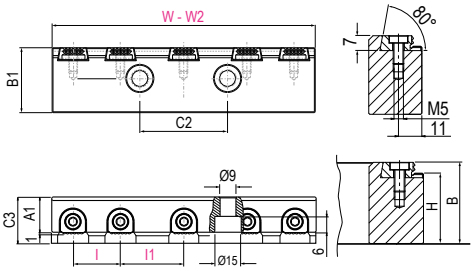
Cod.	1.24.6K100	1.24.6K200	1.24.6K300	1.24.6K400	1.24.6K500	1.24.6K600

Cod.	1.24.7K100	1.24.7K200	1.24.7K300	1.24.7K400	1.24.7K500	1.24.7K600

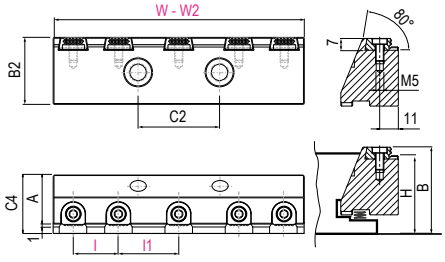
Art.242K W



Art.247K W



Art.248K W



Tipo / Type	1	2	3	4	5	6
W	100	125	150	175	200	300
W2	74	94	124	144	169	194
I	-	-	31,5	35	27	33
I1	35	45	31,5	35	27	33
C	20	32	50	50	76	90
C1	62	80	90	116	138	184
C2	25	32	50	50	76	90
C3	25	25	25	25	25	25
C4	30	32	34	37	39	48
B	30	40	50	60	65	80
B1	24,5	32	39	43	48	56
B2	24,5	32	40	43	53	63
A	25	27	29	32	34	43
A1	20	20	20	20	20	20
H	25	35	45	55	60	75

INTEGRAL INSERT GRIP STEP JAW PLATES

NEW 2021

Art. 242K +
A gradino con Inserti GRIP
With step and GRIP inserts



Art. 243K
Larghezza ridotta
Narrow width

Art. 248K Per ganascia fissa doppia / For double fixed jaw
A gradino con Inserti GRIP
With step and GRIP inserts



Art. 249K
Larghezza ridotta
Narrow width

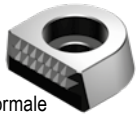
Art. 246K Piastra Piana / Straight Plate
A gradino con Inserti GRIP
With step and GRIP inserts



Art. 247K
Larghezza ridotta
Narrow width

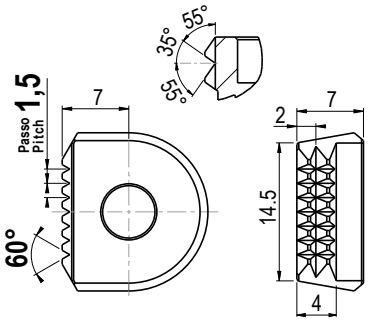
Inserti Grip - Grip Inserts

Art. 220 G01



Per materiali di durezza normale
For standard workpieces hardness clamping

Cod.	4.22.01000 / G01

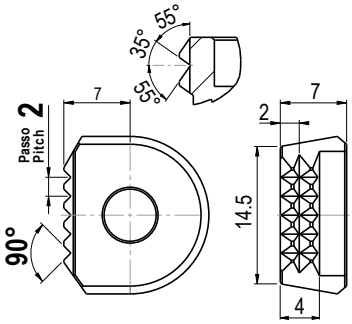


Art. 220 G02

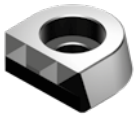


Per materiali di notevole durezza.
For hardened workpieces clamping

Cod.	4.22.01000 / G02

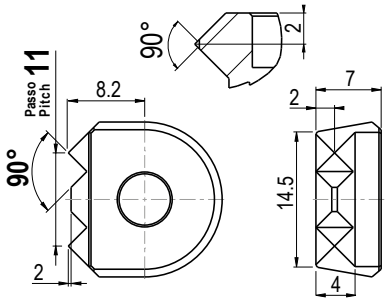


Art. 220 G11



Per materiali teneri
For soft material clamping

Cod.	4.22.01000 / G11



Tipo / Type	1	2	3	4	5	6
 Art.242K - Art.248K - Art.246K	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	9 pcs each jaw plate
 Art.243K - Art.249K - Art.247K	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	7 pcs each jaw plate
Viti a testa bassa M5 x 10mm Low head screws M5 x 10mm	3 pcs each	3 pcs each	5 pcs each	5 pcs each	7 pcs each	7 / 9 pcs each

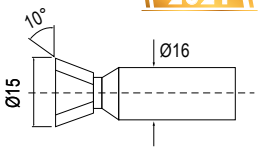
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art.220F

Utensile fresa per realizzare sedi per inserti grip su piastre ganasce dolci
Milling tool for machining the insert grip seat on machineable jaw plates



NEW 2021



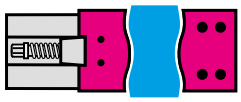
Ø	15
Cod.	4.22.0F1510

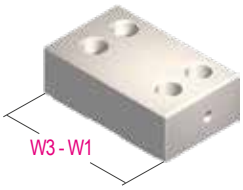
GANASCE LAVORABILI MONOBLOCCO / SOLID MACHINEABLE JAWS

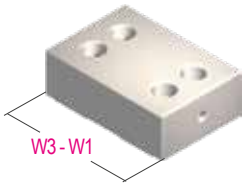
4

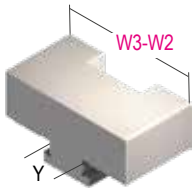
Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 160 W3 Ganascia fissa. Larghezza normale (W3) Fixed jaw. Normal width (W3)	Cod.	2.16.01000	2.16.02000	2.16.03000	2.16.04000	2.16.05000	2.16.06000
Art. 161 W1 Ganascia fissa. Larghezza ridotta rettificata (W1) Fixed jaw. Narrow width griund (W1)	Cod.	2.16.11000	2.16.12000	2.16.13000	2.16.14000	2.16.15000	2.16.16000
Art. 163 W3 Ganascia fissa doppia. Larghezza normale (W3) Double fixed jaw. Normal width (W3)	Cod.	2.16.31000	2.16.32000	2.16.33000	2.16.34000	2.16.35000	2.16.36000
Art. 164 W1 Ganascia fissa doppia. Larghezza ridotta rettificata (W1) Double fixed jaw. Narrow width ground (W1)	Cod.	2.16.41000	2.16.42000	2.16.43000	2.16.44000	2.16.45000	2.16.46000
Art. 166 W3 Ganascia mobile monoblocco guidata. Larghezza normale (W3) Guided movable solid jaw. Normal width (W3)	Cod.	2.16.61000	2.16.62000	2.16.63000	2.16.64000	2.16.65000	2.16.66000
Art. 167 W2 Ganascia mobile monoblocco guidata. Larghezza ridotta (W2) Guided movable solid jaw. Narrow width (W2)	Cod.	2.16.71000	2.16.72000	2.16.73000	2.16.74000	2.16.75000	2.16.76000
Art. 168 W3 Ganascia mobile monoblocco oscillante. Larghezza normale (W3) Floating movable solid jaw. Normal width (W3)	Cod.	2.16.81000	2.16.82000	2.16.83000	2.16.84000	2.16.85000	2.16.86000
Art. 169 W2 Ganascia mobile monoblocco oscillante. Larghezza ridotta (W2) Floating movable solid jaw. Narrow width (W2)	Cod.	2.16.91000	2.16.92000	2.16.93000	2.16.94000	2.16.95000	2.16.96000

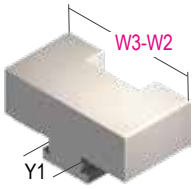






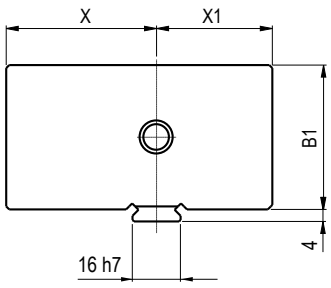




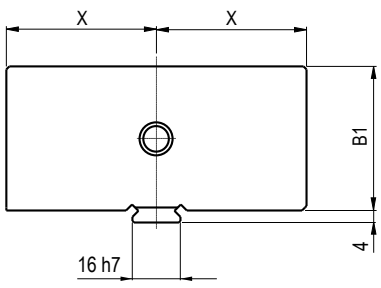


Durezza / Hardness HB= 290

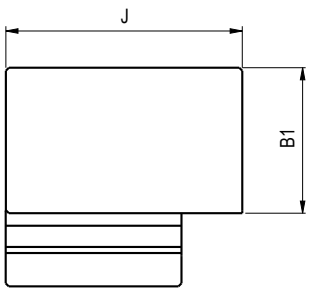
Art. 160



Art. 163



Art. 166

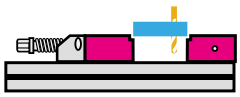


Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
W1	75	95	125	145	170	195
W2	74	94	124	144	169	194
B1	28	38	48	58	63	78
Y	21	28	41	51	61	71
Y-1	20	27	40	50	60	70
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	36,5	41,5	47	47

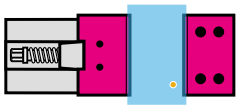
GANASCE MONOBLOCCO TEMPRATE CON GRADINO / SOLID JAWS WITH STEP, CASE HARDENED

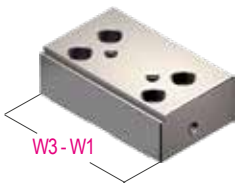
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 200 W3
Ganascia fissa.
Larghezza normale (W3)
Fixed jaw.
Normal width (W3)



Art. 201 W1
Ganascia fissa.
Larghezza ridotta rettificata (W1)
Fixed jaw.
Narrow width ground (W1)

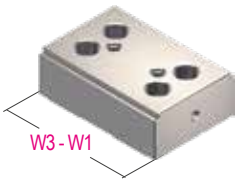




Cod.	2.20.01000	2.20.02000	2.20.03000	2.20.04000	2.20.05000	2.20.06000
Cod.	2.20.11000	2.20.12000	2.20.13000	2.20.14000	2.20.15000	2.20.16000

Art. 203 W3
Ganascia fissa doppia. Larghezza normale (W3)
Double fixed jaw. Normal width (W3)

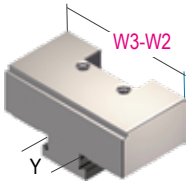
Art. 204 W1
Ganascia fissa doppia. Larghezza ridotta rettificata (W1)
Double fixed jaw. Narrow width ground (W1)



Cod.	2.20.31000	2.20.32000	2.20.33000	2.20.34000	2.20.35000	2.20.36000
Cod.	2.20.41000	2.20.42000	2.20.43000	2.20.44000	2.20.45000	2.20.46000

Art. 208 W3
Ganascia mobile monoblocco guidata. Larghezza normale (W3)
Guided movable solid jaw. Normal width (W3)

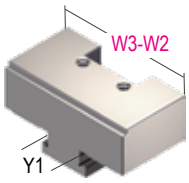
Art. 209 W2
Ganascia mobile monoblocco guidata. Larghezza ridotta (W2)
Guided movable solid jaw. Narrow width (W2)



Cod.	2.20.81000	2.20.82000	2.20.83000	2.20.84000	2.20.85000	2.20.86000
Cod.	2.20.91000	2.20.92000	2.20.93000	2.20.94000	2.20.95000	2.20.96000

Art. 206 W3
Ganascia mobile monoblocco oscillante. Larghezza normale (W3)
Floating movable solid jaw. Normal width (W3)

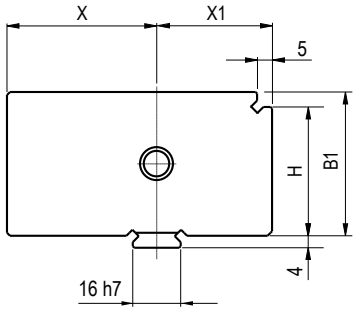
Art. 207 W2
Ganascia mobile monoblocco oscillante. Larghezza ridotta (W2)
Floating movable solid jaw. Narrow width (W2)



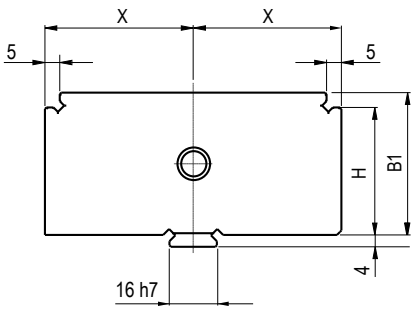
Cod.	2.20.61000	2.20.62000	2.20.63000	2.20.64000	2.20.65000	2.20.66000
Cod.	2.20.71000	2.20.72000	2.20.73000	2.20.74000	2.20.75000	2.20.76000

Durezza / Hardness HRC= 60

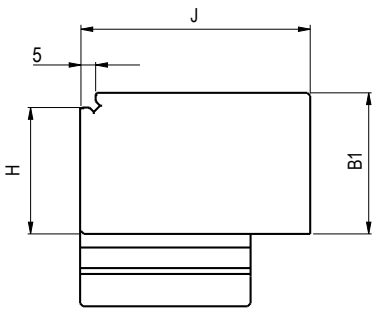
Art. 200



Art. 203



Art. 208



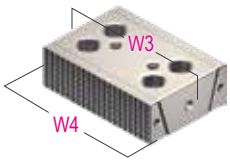
Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
W1	75	95	125	145	170	195
W2	74	94	124	144	169	194
Y	21	28	41	51	61	71
Y-1	20	27	40	50	60	70
B1	28	38	48	58	63	78
* H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	38,5	41,5	47	47

* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

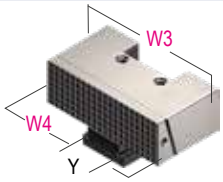
Piastra ganascia StdFLEX a cambio rapido / StdFLEX quick change jaw plates

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 120A Ganascia fissa / Fixed jaw	Cod. 4.12.0A100	4.12.0A200	4.12.0A300	4.12.0A400	4.12.0A500	4.12.0A600
Art. 123A Ganascia fissa doppia / Double fixed jaw	Cod. 4.12.3A100	4.12.3A200	4.12.3A300	4.12.3A400	4.12.3A500	4.12.3A600
Art. 126A Ganascia mobile oscillante / Floating movable jaw	Cod. 4.12.6A100	4.12.6A200	4.12.6A300	4.12.6A400	4.12.6A500	4.12.6A600
Art. 127A Ganascia mobile guidata / Guided movable jaw	Cod. 4.12.7A100	4.12.7A200	4.12.7A300	4.12.7A400	4.12.7A500	4.12.7A600



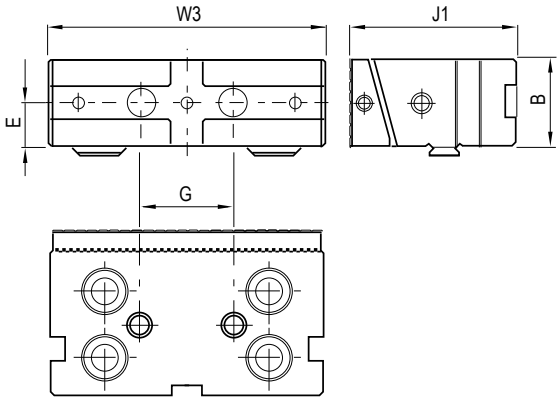






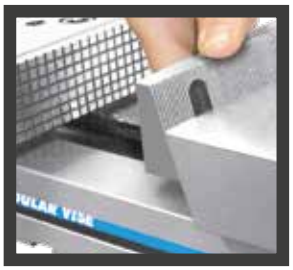
Art. 120A

Durezza / Hardnes HRC= 60



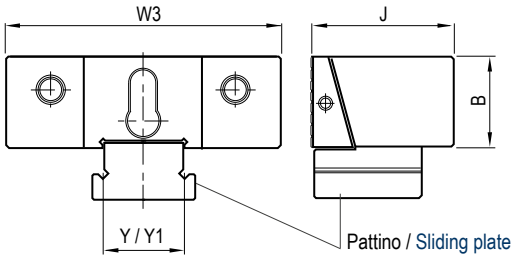
Ganasce **StandardFLEX** con piastre intercambiabili manualmente (Sistema a pettine)

StandardFLEX jaws with interchangeable jaw plates by hand (Comb system)





Art. 127A



La ganascia mobile guidata, Art. 127A, può essere tramutata in ganascia mobile oscilante, sostituendo il pattino, Art. 306B, con il pattino Art. 306C (vedi pag. 4.30)

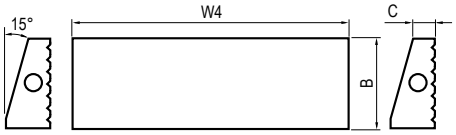
The guided movable jaw, Art. 127A, ould be transformed in a floating movable jaw by simply exchanging the sliding plate, Art. 306B, with sliding plate Art. 306C (see page 4.30)

mm	1	2	3	4	5	6
W3	96	121	146	171	196	296
W4	95	120	145	170	195	295
B	28	38	48	58	63	78
E	14	19	25	27	30	47
G	-	-	50	50	50	50
J	50	60	80	90	100	120
J1	77,9	77,9	89,4	96,9	113,4	120,4
Y	21	28	41	51	61	71
Y1	20	27	40	50	60	70

Piastre ganascia StdFLEX a cambio rapido / StdFLEX quick change jaw plates

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

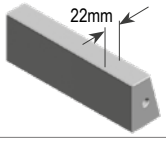
Piastre ganasce rapide singole. Ricambi per ganasce rapide a pettine
Single quick change jaw plates. Spares for quick change comb jaw

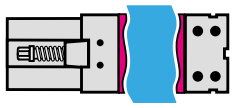


W4	95	120	145	170	195	295
B	28	38	48	58	63	78
C	9	9	11	11	14	14

Art. 230B

Piastra ganascia intercambiabile **dolce** a pettine
Soft comb interchangeable jaw plate

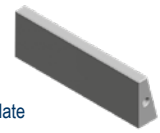




Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401	4.23.0B501	4.23.0B601

Art. 230C

Piastra ganascia intercambiabile **liscia** a pettine
Smooth comb interchangeable jaw plate

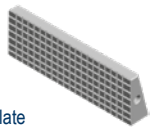




Cod.	4.23.0C101	4.23.0C201	4.23.0C301	4.23.0C401	4.23.0C501	4.23.0C601

Art. 230D

Piastra ganascia intercambiabile **zigrinata** a pettine
Serrated comb interchangeable jaw plate

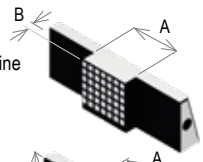


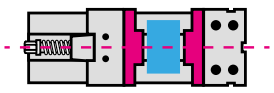


Cod.	4.23.0D101	4.23.0D201	4.23.0D301	4.23.0D401	4.23.0D501	4.23.0D601

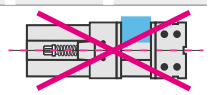
Art. 230SLD

Piastra ganascia scaricata a pettine
Discharged comb jaw plate



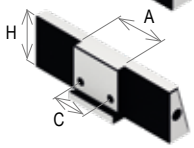


Per il serraggio di particolari di piccole dimensioni utilizzare sempre ganasce scaricate
To clamp small workpieces use discharged jaws



Art. 230SLE

Piastra ganascia con gradino scaricata a pettine
Discharged step comb jaw plate

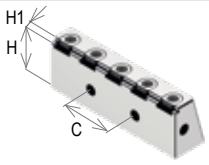


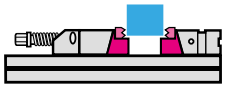


A	28	38	48	58	63	95
B	12	12	12	12	12	12
C	14	18	32	42	47	79
H	8	8	8	8	8	8
Cod.	4.23.0SLD101	4.23.0SLD201	4.23.0SLD301	4.23.0SLD401	4.23.0SLD501	4.23.0SLD601
Cod.	4.23.0SLE101	4.23.0SLE201	4.23.0SLE301	4.23.0SLE401	4.23.0SLE501	4.23.0SLE601

Art. 230K

Piastra ganascia intercambiabile a gradino a pettine con inserti GRIP
Comb interchangeable step jaw plate with GRIP inserts

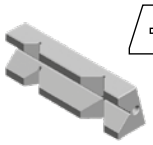


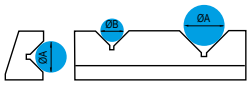


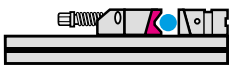
C	14	18	32	42	47	79
H	23	33	43	53	58	73
H1	5	5	5	5	5	5
Cod.	4.23.0K100	4.23.0K200	4.23.0K300	4.23.0K400	4.23.0K500	4.23.0K600

Art. 230F

Piastra ganascia intercambiabile **prismatica** a pettine
Prismatic comb interchangeable jaw plate



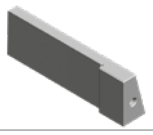


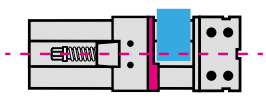


Ø min / max	A	6 / 16	9 / 24	13 / 38	15 / 40	15 / 42	15 / 42
Ø min / max	B	4 / 10	7 / 18	9 / 24	9 / 24	9 / 24	9 / 24
Cod.		4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401	4.23.0F501	4.23.0F601

Art. 230G

Piastra ganascia intercambiabile a pettine con arresto a **90°**
90° interchangeable comb jaw plate



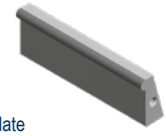


Solo 1 per morsa !! Just 1 *pc* each vise !!

Cod.	4.23.0G101	4.23.0G201	4.23.0G301	4.23.0G401	4.23.0G501	4.23.0G601

Art. 230H

Piastra ganascia intercambiabile **bombata** a pettine
Round comb interchangeable jaw plate



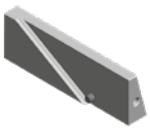


Solo 1 per morsa !! Just 1 *pc* each vise !!

Cod.	4.23.0H101	4.23.0H201	4.23.0H301	4.23.0H401	4.23.0H501	4.23.0H601

Art. 230M

Piastra ganascia intercambiabile a pettine per **angolo di 30° o 45°**
30° or 45° angle interchangeable comb jaw plate





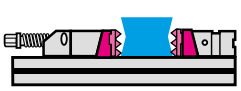
Solo 1 per morsa !! Just 1 *pc* each vise !!

Cod.	4.23.0M101	4.23.0M201	4.23.0M301	4.23.0M401	4.23.0M501	4.23.0M601

Art. 230L

Piastra ganascia intercambiabile a pettine con inserti GRIP frontali
GRIP frontal inserts interchangeable comb jaw plate





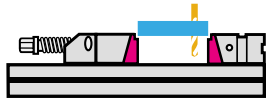
Cod.	4.23.0L101	4.23.0L201	4.23.0L301	4.23.0L401	4.23.0L501	4.23.0L601

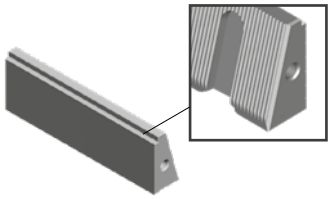
4

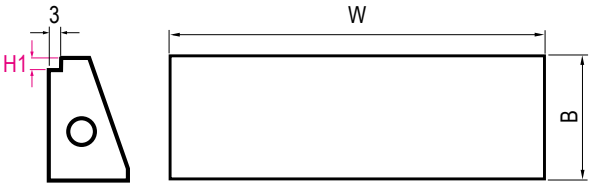
GANASCE StdFLEX A CAMBIO RAPIDO / StdFLEX QUICK CHANGE JAWS

Art. 230E

Piastra ganascia intercambiabile
a gradino a pettine
Step comb interchangeable jaw plate







Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
W	95	120	145	170	195	295
B	28	38	48	58	63	78
	3	3	3	3	3	3
	5	5	5	5	5	5
	8	8	8	8	10	10
H1	13	13	13	13	13	13
	-	18	18	18	18	18
	-	23	23	23	23	23
	-	-	28	28	28	28

SPECIFICARE SEMPRE QUOTA "H1" - ALWAYS SPECIFY "H1" DIMENSION

Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401	4.23.0E501	4.23.0E601

SET RISPARMIO FINO AL 48% - SAVING UP WITH THE SET 48%

Acquistando i seguenti set di piastre ganasce / If you purchase this number of jaw plate sets	Set	8 Pezzi - Pieces	12 Pezzi - Pieces	14 Pezzi - Pieces	14 Pezzi - Pieces	14 Pezzi - Pieces	14 Pezzi - Pieces
Prezzo Cad. se acquistate con set / Price each in case of set purchase							

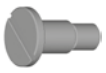
Art. 320

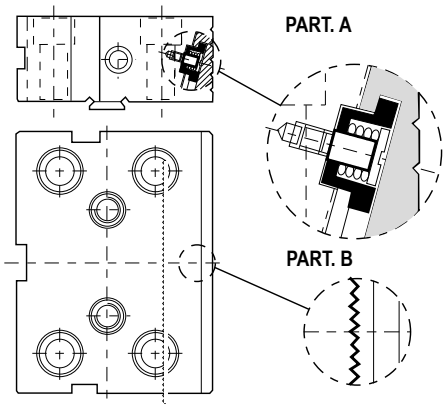
Portapiastre
Rack



Cod.	4.32.01000	4.32.02000	4.32.03000	4.32.04000	4.32.05000	4.32.06000

Risparmio del 33% sul raccoglitore Art.320 (vuoto) se acquistato insieme ad un set di piastre ganasce Art.230A
Save 33% purchasing the rack Art.320 together with the small or big set of straight magnetic parallels plates Art.230E

Art. 605G1	Vite a gradino / Step screw		Cod.	6.60.5G101	
Art. 605G2	Perno a molla / Spring pin		Cod.	6.60.5G201	6.60.5G202
Art. 605G3	Molla / Spring		Cod.	6.60.5G301	



Rapida sostituzione delle piastre ganasce discendenti senza bisogno di alcun utensile

Il nuovo sistema con piastre ganasce intercambiabili, conferisce alla morsa STD un ulteriore aumento di versatilità dato dalla rapidità di sostituzione delle piastre ganasce e dalla precisione di riposizionamento.
La rapidità di sostituzione delle piastre ganasce è resa possibile dal nuovo sistema con perno a molla (PART. A), mentre le righe prismatiche (PART. B) effettuate con mola sagomata sui piani d'appoggio rendono possibile un riposizionamento di elevata precisione.

Quick hand change of downward jaw plates - no tools needed

The new system with quick interchangeable jaw plates increases the STD vise versatility, and allows the quick jaw allows plates replacement and their high precision repositioning.The speed of the jaw replacement is allowed by the new design of pin with spring (PART. A), while the prismatic grooves (PART. B), made with shaped grind wheel on the surface plates, allow a perfect repositioning.The wide range of interchangeable jaw plates can satisfy the most varied workholding needs.

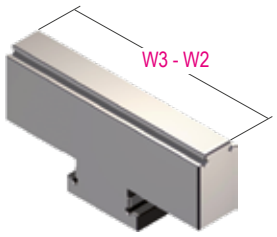
GANASCE MOBILI INTERMEDIE / INTERMEDIATE MOVABLE JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

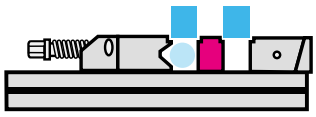
Art. 212 W3

Ganascia mobile intermedia con doppio gradino.
Larghezza normale (W3)

Internediate movable jaw with double step.
Normal width (W3)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000	1.21.25000	1.21.26000



Art. 213 W2

Ganascia mobile intermedia con doppio gradino.
Larghezza ridotta (W2)

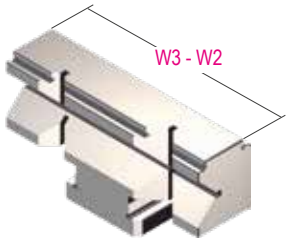
Internediate movable jaw with double step.
Narrow width (W2)

Cod.	1.21.31000	1.21.32000	1.21.33000	1.21.34000	1.21.35000	1.21.36000

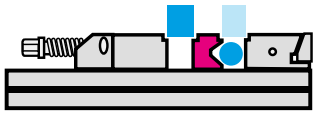
Art. 214 W3

Ganascia mobile intermedia prismatica.
Larghezza normale (W3)

Prismatic internediate movable jaw.
Normal width (W3)



Cod.	1.21.41000	1.21.42000	1.21.43000	1.21.44000	1.21.45000	1.21.46000



Art. 215 W2

Ganascia mobile intermedia.
Larghezza ridotta (W2)

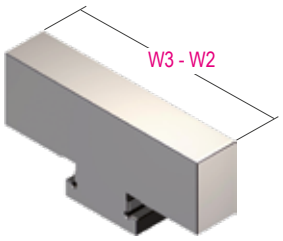
Internediate movable jaw.
Narrow width (W2)

Cod.	1.21.51000	1.21.52000	1.21.53000	1.21.54000	1.21.55000	1.21.56000

Art. 224 W3

Ganascia mobile intermedia.
Larghezza normale (W3)

Internediate movable jaw.
Normal width (W3)



Cod.	1.22.41000	1.22.42000	1.22.43000	1.22.44000	1.22.45000	1.22.46000



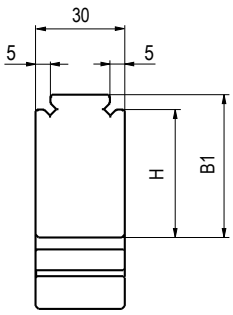
Art. 225 W2

Ganascia mobile intermedia.
Larghezza ridotta (W2)

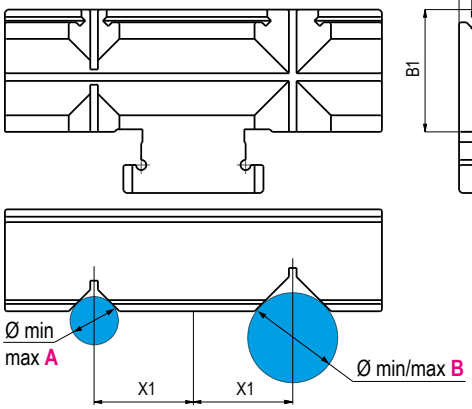
Internediate movable jaw.
Narrow width (W2)

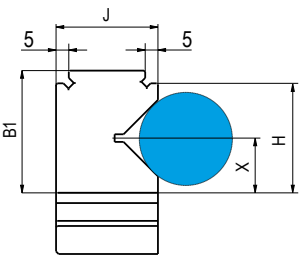
Cod.	1.22.51000	1.22.52000	1.22.53000	1.22.54000	1.22.55000	1.22.56000

Art. 212

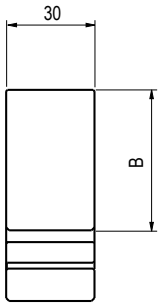


Art. 214





Art. 224



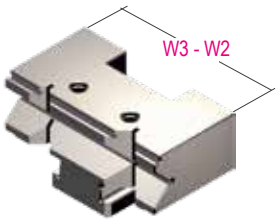
Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
W2	74	94	124	144	169	194
B	30	40	50	60	65	80
B1	28	38	48	58	63	78
H	23	33	43	53	53	68
J	30	30	40	40	45	50
X	11,5	16,5	21,5	26,5	26,5	34
X1	25	33	39	50	55	70
Ø min/max A	4 - 10	7 - 18	9 - 24	9 - 24	9 - 24	10 - 28
Ø min/max B	6 - 16	9 - 24	13 - 38	15 - 40	15 - 42	18 - 46

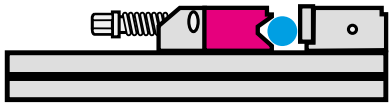
GANASCE MOBILI PRISMATICHE / PRISMATIC MOVABLE JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 217 W3

Ganascia mobile guidata prismatica.
Larghezza normale (W3)
Prismatic guided movable jaw.
Normal width (W3)





Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000	2.21.75000	2.21.76000

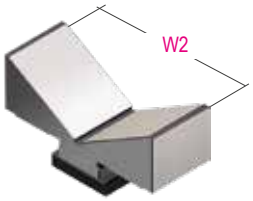
Art. 218 W2

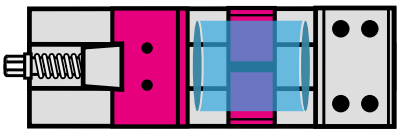
Ganascia mobile guidata prismatica.
Larghezza ridotta (W2)
Prismatic guided movable jaw.
Narrow width (W2)

Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000	2.21.85000	2.21.86000

Art. 152 W2

Inserto prismatico.
Larghezza ridotta (W2)
Prismatic insert. Narrow width (W2)



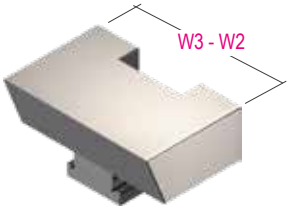


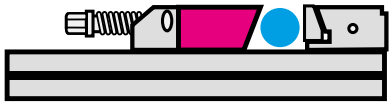
Cod.	4.15.21000	4.15.22000	4.15.23000	4.15.24000	4.15.25000	4.15.26000

Ganasce per PARTICOLARI TONDI / Jaws for ROUND WORKPIECE

Art. 210 W3

Ganascia mobile oscillante.
Larghezza normale (W3)
Floating movable jaw. Normal width (W3)





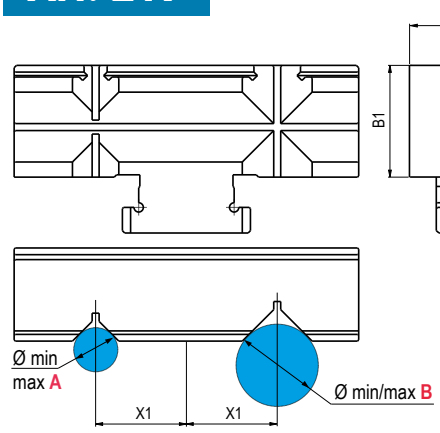
Cod.	2.21.01000	2.21.02000	2.21.03000	2.21.0 4000	2.21.05000	2.21.06000

Art. 211 W2

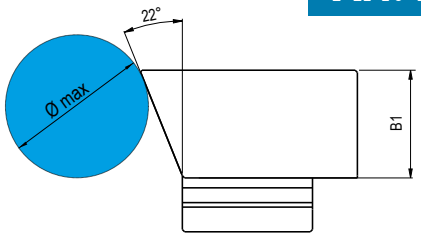
Ganascia mobile oscillante.
Larghezza ridotta (W2)
Floating movable jaw. Narrow width (W2)

Cod.	2.21.11000	2.21.12000	2.21.13000	2.21.14000	2.21.15000	2.21.16000

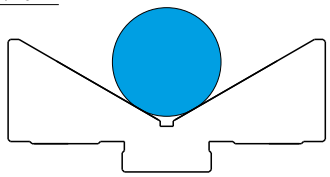
Art. 217



Art. 210



Art. 152



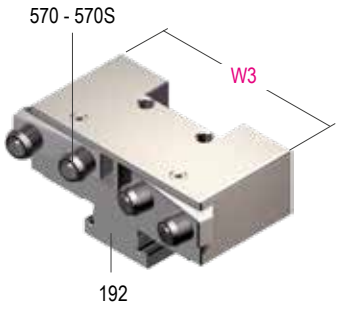
mm		1	2	3	4	5	6
W3		96	121	146	171	196	296
W2		74	94	124	144	169	194
B1		28	38	48	58	63	78
H		23	33	43	53	53	68
J		50	60	80	90	100	120
X		11,5	16,5	21,5	26,5	31,5	34
X1		25	33	39	50	50	70
Ø min / max	A Art. 217	4 - 10	7 - 18	9 - 24	9 - 24	9 - 24	10 - 28
Ø min / max	B Art. 217	6 - 16	9 - 24	13 - 38	15 - 40	15 - 42	18 - 46
Ø min / max	Art. 152			A richiesta	On request		
Ø max	Art. 210	35	50	65	80	85	105

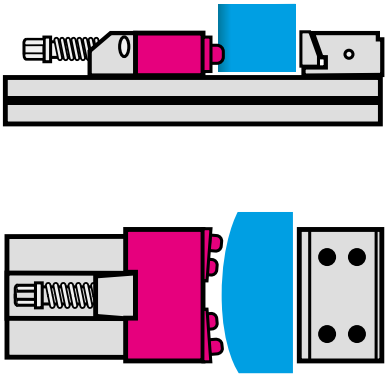
GANASCE CON SEGMENTI OSCILLANTI / MOVABLE JAW WITH FLOATING ELEMENTS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 192

Ganascia mobile oscillante con 2 segmenti oscillanti e puntali sferici lisci.
Floating movable jaw with two floating elements and spherical smooth points.



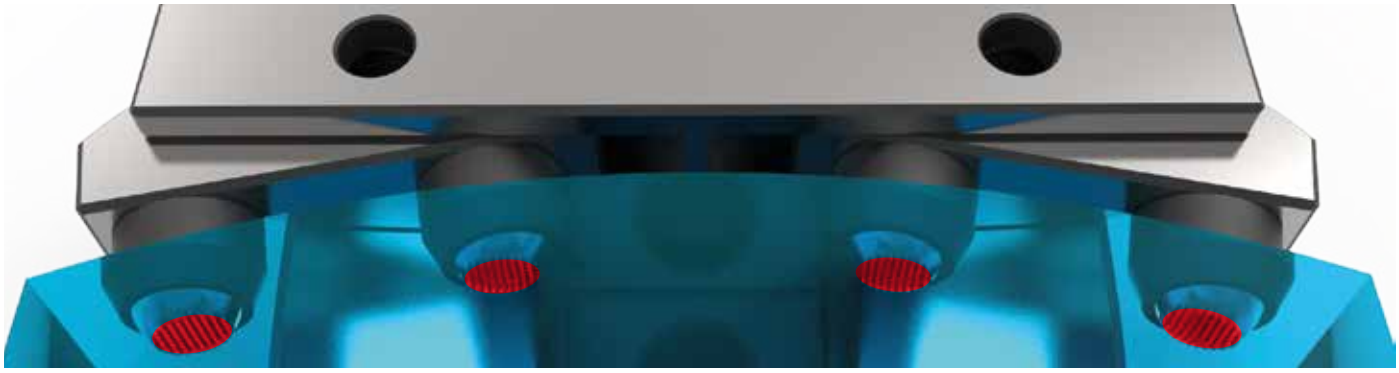


Art. 192S

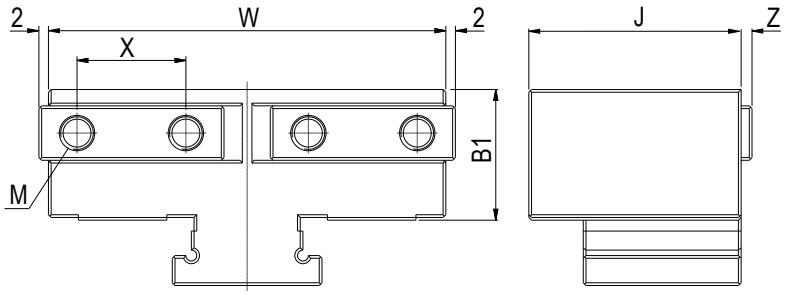
Ganascia mobile oscillante con 2 elementi oscillanti e puntali sferici zigrinati.
Floating movable jaw with two floating elements and spherical serrated points.

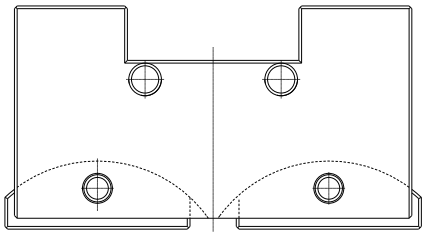
Per serraggio di particolari irregolari - For irregular workpieces clamping

Cod.	4.19.21000	4.19.22000	4.19.23000	4.19.24000	4.19.25000	4.19.26000
Cod.	4.19.2S100	4.19.2S200	4.19.2S300	4.19.2S400	4.19.2S500	4.19.2S600



Art. 192





Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
J	48	58	78	88	98	118
B1	28	38	48	58	63	78
X	30	40	40	40	60	60
M	M10	M12	M12	M12	M16	M16
N	4	4	6	7	8	12
Z	3	4	4	4	7	7

PARALLELE MODULARI MAGNETICHE AD INNESTO RAPIDO
QUICK MAGNETIC MODULAR PARALLEL PLATES

Queste piastre d'appoggio modulari parallele sono una ulteriore opportunita' del sistema modulare Gerardi. Esso consente infatti il posizionamento rapido e preciso di parallele piane o angolari per la lavorazione di pezzi piatti da forare e/o filettare.
Nessun problema di magnetismo sui trucioli

The modular bearing parallelsplates are a further opportunity of the Gerardi modular system. It allows in fact the quick and accurate positioning of straight or angolar parallels plates to machine (milling, drilling and tapping) flat pieces of any size and dimension without disassembling or positionning the fixture again.
No problem with chips magnetic

VANTAGGI:

- Rapidita' e precisione di installazione.
- Risparmio rispetto alla sostituzione della ganascia intera.
- Minori ingombri e costi rispetto alle parallele standard.
- Usiamo parallele magnetiche con piastre ganasce avvitate

Naturalmente tutti i componenti sono in acciaio speciale per molle e rettificati con tolleranze centesimali.

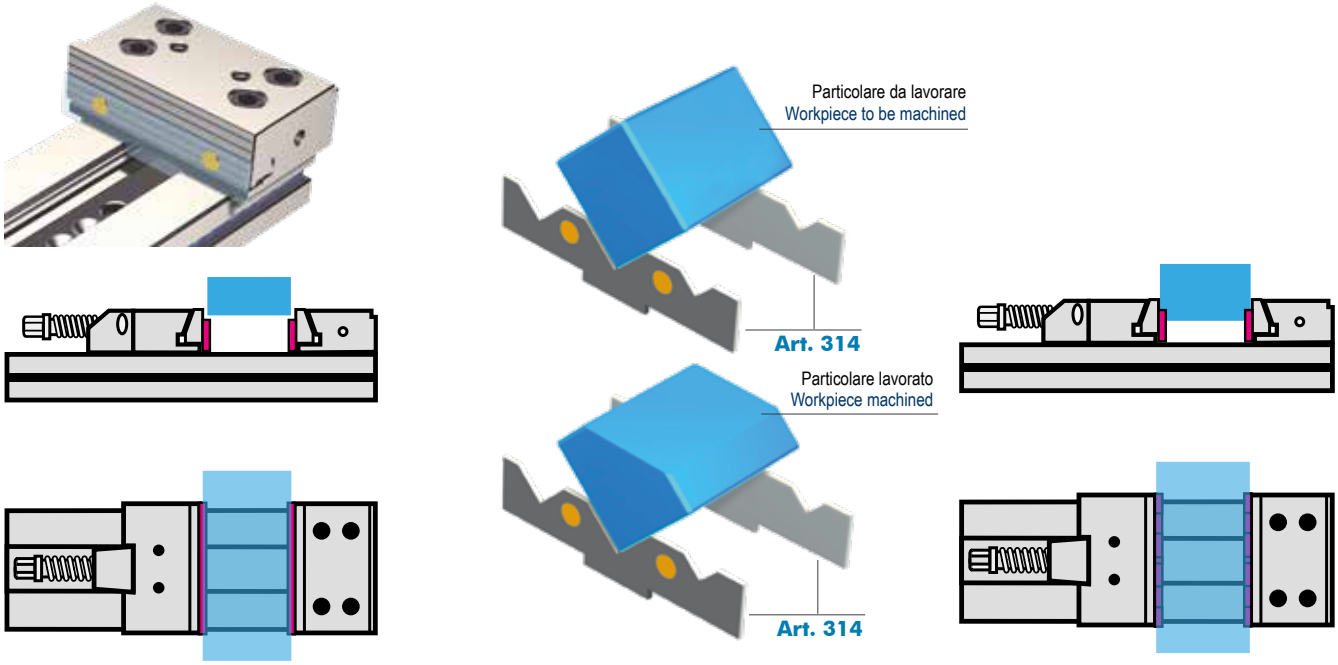
ADVANTAGES:

- Quick and accurate positioning.
- Saving with respect to the substitution of the whole jaw.
- Space and money saving with respect to the standard parallel plates.
- Use magnetic plates with jaw plates completely tightemed

Of course each component is made of hardened and ground spring steel and the accuracy is withim 0,02 mm.

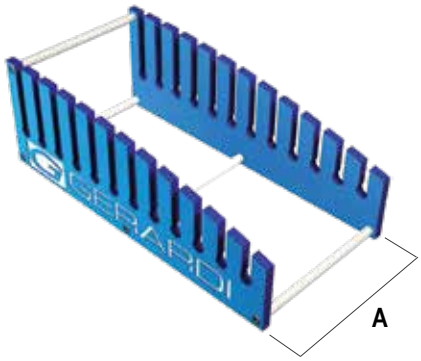
4

ESEMPI DI APPLICAZIONE - TYPICAL ARRANGEMENTS



Art. 317

Rastrelliera per piastre parallele magnetiche piane e angolari
Rack for straight and angular parallel magnetic plates



Per morse tipo (grandezza) da 1 a 6
For vises (type) size 1 ÷ 6

A	60	70	80	100	120	150
Cod.	4.31.71000	4.31.72000	4.31.73000	4.31.74000	4.31.75000	4.31.76000

Risparmio del 33 % sulla rastrelliera Art. 317 (Vuota) se acquistata insieme al set piccolo o grande di parallele magnetiche piane o angolari!

Save 33 % purchasing the rack Art. 317 Together with the small or big set of straight magnetic parallels plates !

Art. 313A

Magnete per parallele
Magnet for parallels



Cod.	4.31.3A100

NON MODULARI - NOT MODULAR
Richiedono aggiustaggio in opera - Adjustment needed before working

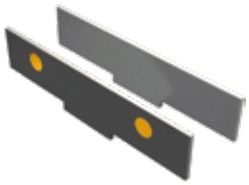
Per qualsiasi parallela speciale, raddoppiare il prezzo / For special taylor made parallel double the price

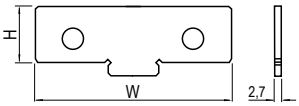
Tipo (grandezza) / Vise type (size)	1	2	3	4	5	6
H STANDARD FOR INSERT GRIP	-	-	-	20	20	30
	-	-	15	25	25	35
	-	15	20	30	30	40
	-	20	25	35	35	45
H STANDARD	15	25	30	40	40	50
	18	28	35	45	45	54
	20	30	40	50	50	60
	23	33	43	53	53	68
	25	**35**	**45**	**55**	57	70
	27	37	47	57	**60**	**75**
B	30	40	50	60	65	70
W	100	125	150	175	200	300
Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C	4.31.3500C	4.31.3600C

Art. 313

Coppia di parallele magnetiche guidate
Pair of guided parallels magnetic plates

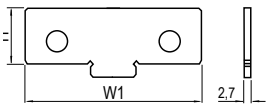






Art. 313R

Coppia di parallele magnetiche guidate ridotte
Pair of narrow guided parallels magnetic plates



SPECIFICARE SEMPRE QUOTA "H" - ALWAYS SPECIFY "H" DIMENSION

W1	74	94	124	144	169	194
Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C	4.31.3R50C	4.31.3R60C

4

SET RISPARMIO FINO AL 47% - SAVING WITH THE SET UP TO 47%

6 COPPIE - PAIRS

Acquistando 6 coppie di parallele magnetiche (Art.313-313R)
If you purchase 6 pairs of parallels magnetic plates (Art.313-313R)

Prezzo Cad. se acquistate con set
Price each in case of set purchase

10 COPPIE - PAIRS

Acquistando 10 coppie di parallele magnetiche (Art.313-313R)
If you purchase 10 pairs of parallels magnetic plates (Art.313-313R)

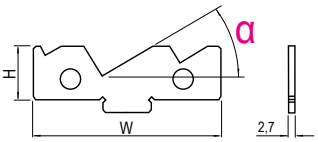
Prezzo Cad. se acquistate con set
Price each in case of set purchase

Tipo (grandezza) / Vise type (size)	1	2	3	4	5	6
α	20°					
	25°					
	30°					
	35°					
	40°					
	45°					

Art. 314

Coppia di parallele magnetiche angolari
Pair of angolar magnetic parallels plates





SPECIFICARE SEMPRE QUOTA "α" - SPECIFY ALWAYS "α" DIMENSION

W	100	125	150	175	200	300
H	**23**	**33**	**43**	**53**	**53**	**68**
Cod.	4.31.4100C	4.31.4200C	4.31.4300C	4.31.4400C	4.31.4500C	4.31.4600C

SET RISPARMIO FINO AL 43% - SAVING WITH THE SET UP TO 43%

6 COPPIE - PAIRS

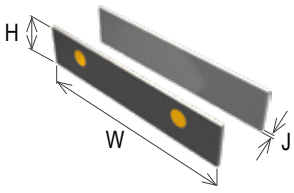
Acquistando 6 coppie di parallele magnetiche angolari (Art.314)
If you purchase 6 pairs of angolar magnetic parallels plates (Art.314)

Prezzo Cad. se acquistate con set
Price each in case of set purchase

Utilizzabili per qualsiasi tipo o marca di morsa - To be used with any vise type or brand

Art. 414

Coppia di parallele magnetiche universali
Pair of universal parallels magnetic plates



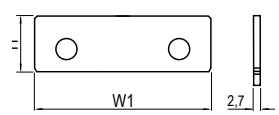
NEW 2021

SPECIFICARE SEMPRE QUOTA "H" - ALWAYS SPECIFY "H" DIMENSION

W	100	125	150	175	200	300
J	2,7	2,7	2,7	2,7	2,7	2,7
Cod.	4.41.4100C	4.41.4200C	4.41.4300C	4.41.4400C	4.41.4500C	4.41.4600C

Art. 414R

Coppia di parallele magnetiche ridotte universali
Pair of universal narrow narrow parallels magnetic plates



SPECIFICARE SEMPRE QUOTA "H" - ALWAYS SPECIFY "H" DIMENSION

W1	74	94	124	144	169	194
Cod.	4.41.4R10C	4.41.4R20C	4.41.4R30C	4.41.4R40C	4.41.4R50C	4.41.4R60C

ACCESSORI PER GANASCE / ACCESSORIES FOR JAWS

Tipo (grandezza) / Vise type (size)		1	2	3	4	5	6
Art. 132 Prolunga per ganascia mobile. Larghezza normale. Extension for movable jaw. Normal width	Cod.	2.13.21000	2.13.22000	2.13.23000	2.13.24000	2.13.25000	2.13.26000
Art. 134 Prolunga per ganascia mobile. Super ridotta. Extension for movable jaw. Super narrow	Cod.	2.13.41000	2.13.42000	2.13.43000	2.13.44000	2.13.45000	2.13.46000
Art. 133 Prolunga per ganascia fissa. Larghezza normale. Extension for fixed jaw. Normal width	Cod.	2.13.31000	2.13.32000	2.13.33000	2.13.34000	2.13.35000	2.13.36000
Art. 135 Prolunga per ganascia fissa. Ridotta e super ridotta. Extension for fixed jaw. Narrow and super narrow	Cod.	2.13.51000	2.13.52000	2.13.53000	2.13.54000	2.13.55000	2.13.56000
Art. 260 Segmento oscillante per ganasce mobili. ***Art. 190 - 191*** Floating segment for movable jaws. ***Art. 190 - 191***	Cod.	1.26.01000	1.26.02000	1.26.03000	1.26.04000	1.26.05000	1.26.06000
Art. 362 Molla per piastre ganasce. Spring for jaw plates	Cod.	0.70.10000	0.70.20000	0.70.30000	0.70.40000	0.70.50000	0.70.60000
Art. 380 Vite TCEI fissaggio corpo ganascia fissa. Hex socket and screw for fixed jaw body	Cod.	0.01.11030	0.01.10865	0.01.11450	0.01.11660	0.01.12065	0.01.12080
Art. 381 Vite TCEI fissaggio piastra ganascia fissa. Hex socket screw for fixed plate	Cod.	0.01.10565	0.01.11240	0.01.11451	0.01.11661	0.01.12066	0.01.12081
Art. 382 Vite TCEI fissaggio piastra ganascia mobile. Hex socket and screw for movable jaw plate	Cod.	0.01.10525	0.01.10830	0.01.10840	0.01.10845	0.01.11050	0.01.11065
Art. 383 Vite TCEI fissaggio piastra ganascia fissa doppia. Hex socket and screw for double fixed jaw	Cod.	0.01.10520	0.01.10620	0.01.10820	0.01.11820	0.01.11020	0.01.11020
Art. 384 Vite TCEI per arresto laterale. Hex socket and screw for workstop	Cod.	0.06.11100	0.0622200	0.06.33300	0.06.44400	0.06.55500	0.06.66600
Art. 431 Rondella per arresto laterale. Washer for workstop	Cod.	2.43.11000	2.43.12000	2.43.13000	2.43.14000	2.43.15000	2.43.16000
Art. 440 Dado per arresto laterale. Nut for workstop	Cod.	2.44.01000	2.44.02000	2.44.03000	2.44.04000	2.44.05000	2.44.06000
Art. 570 Puntale sferico Liscio. Smooth spherical point	Cod.	1.57.01000	1.57.02000	1.57.03000	1.57.04000	1.57.05000	1.57.06000
Art. 570S Puntale sferico zigrinato. Serrated spherical point	Cod.	1.57.0S100	1.57.0S200	1.57.0S300	1.57.0S400	1.57.0S500	1.57.0S600

CORPI GANASCE STANDARD / BODIES STANDARD JAWS

Tipo (grandezza) / Vise type (size)		1	2	3	4	5	6
Art. 300 Corpo ganascia fissa. **Larghezza normale** Body fixed jaw. **Normal width**	Cod.	1.35.10000	1.35.20000	1.35.30000	1.35.40000	1.35.50000	1.35.60000
Art. 301 Corpo ganascia fissa. **Larghezza ridotta rettificata** Body fixed jaw. **Normal width ground**	Cod.	1.35.10300	1.35.20300	1.35.30300	1.35.40300	1.35.50300	1.35.60300
Art. 303 Corpo ganascia fissa doppia. **Larghezza normale** Double body fixed jaw. **Normal width**	Cod.	1.35.10900	1.35.20900	1.35.30900	1.35.40900	1.35.50900	1.35.60900
Art. 304 Corpo ganascia fissa doppia. **Larghezza ridotta rettificata** Double body fixed jaw. **Normal width ground**	Cod.	1.35.11200	1.35.21200	1.35.31200	1.35.41200	1.35.51200	1.35.61200
Art. 306 Corpo ganascia mobile guidata. **Larghezza normale** Body guided movable jaw. **Normal width**	Cod.	1.36.10000	1.36.20000	1.36.30000	1.36.40000	1.36.50000	1.36.60000
Art. 302 Corpo ganascia mobile oscillante: **Larghezza normale** Body floating movable jaws. **Normal width**	Cod.	4.30.21000	4.30.22000	4.30.23000	4.30.24000	4.30.25000	4.30.26000
Art. 307 Corpo ganascia mobile guidata. **Larghezza ridotta rettificata** Body guided movable jaw. **Narrow width ground**	Cod.	1.36.11000	1.36.21000	1.36.31000	1.36.41000	1.36.51000	1.36.61000
Art. 305 Corpo ganascia mobile guidata per segmenti oscillanti. **Larghezza normale** Body guided movable jaw for floating elements. **Normal width**	Cod.	4.30.51000	4.30.52000	4.30.53000	4.30.54000	4.30.55000	4.30.56000
Art. 308 Corpo ganascia mobile oscillante per segmenti oscillanti. **Larghezza normale** Body floating movable jaw for floating elements. **Normal width**	Cod.	1.36.10400	1.36.20400	1.36.30400	1.36.40400	1.36.50400	1.36.60400
Art. 309 Corpo ganascia mobile oscillante per segmenti oscillanti. Larghezza ridotta Body floating movable jaw for floating elements. **Narrow width**	Cod.	1.36.10700	1.36.20700	1.36.30700	1.36.40700	1.36.50700	1.36.60700
Art. 190 Corpo ganascia mobile oscillante guidata con 2 segmenti oscillanti. **Larghezza normale** Body guided floating movable jaw with 2 floating segments. **Normal width**	Cod.	2.19.01000	2.19.02000	2.19.03000	2.19.04000	2.19.05000	2.19.06000
Art. 191 Corpo ganascia mobile oscillante guidata con 2 segmenti oscillanti. **Larghezza ridotta** Body guided floating movable jaw with 2 floating segments. **Narrow width**	Cod.	2.19.11000	2.19.12000	2.19.13000	2.19.14000	2.19.15000	2.19.16000







4

CORPI GANASCE PIANE / BODY - STRAIGHT JAWS

Tipo (grandezza) / Vise type (size)		1	2	3	4	5	6
Art. 315 Corpo ganascia fissa. **Larghezza normale** Body fixed jaw. **Normal width**	Cod.	1.35.11800	1.35.21800	1.35.31800	1.35.41800	1.35.51800	1.35.61800
Art. 316 Corpo ganascia fissa. **Larghezza ridotta rettificata** Body fixed jaw. **Narrow width ground**	Cod.	1.35.12100	1.35.22100	1.35.32100	1.35.42100	1.35.52100	1.35.62100
Art. 318 Corpo ganascia fissa doppia. **Larghezza normale** Double body fixed jaw. **Normal width**	Cod.	1.35.12700	1.35.22700	1.35.32700	1.35.42700	1.35.52700	1.35.62700
Art. 319 Corpo ganascia fissa doppia. **Larghezza ridotta rettificata** Double body fixed jaw. **Narrow width ground**	Cod.	1.35.13000	1.35.23000	1.35.33000	1.35.43000	1.35.53000	1.35.63000
Art. 321 Corpo ganascia mobile guidata. **Larghezza normale** Body guided movable jaw. **Normal width**	Cod.	1.36.11600	1.36.21600	1.36.31600	1.36.41600	1.36.51600	1.36.61600
Art. 322 Corpo ganascia mobile guidata. **Larghezza ridotta rettificata** Body guided movable jaw. **Narrow width ground**	Cod.	1.36.12200	1.36.22200	1.36.32200	1.36.42200	1.36.52200	1.36.62200
Art. 323 Corpo ganascia mobile oscillante. **Larghezza normale** Body floating movable jaw. **Narrow width**	Cod.	1.36.11300	1.36.21300	1.36.31300	1.36.41300	1.36.51300	1.36.61300
Art. 324 Corpo ganascia mobile oscillante. **Larghezza ridotta rettificata** Body floating movable jaw. **Narrow width ground**	Cod.	1.36.11900	1.36.21900	1.36.31900	1.36.41900	1.36.51900	1.36.61900

CORPI GANSCE PER PIASTRE INTERCAMBIABILI MANUALMENTE
JAW BODIES FOR QUICK INTRCHANGEABLE JAW PLATES

Art. 300A Corpo ganascia fissa Fixed jaw body	Cod.	1.30.0A100	1.30.0A200	1.30.0A300	1.30.0A400	1.30.0A500	1.30.0A600
Art. 303A Corpo ganascia fissa doppia Double fixed jaw body	Cod.	1.30.3A100	1.30.3A200	1.30.3A300	1.30.3A400	1.30.3A500	1.30.3A600
Art. 306A Corpo ganascia mobile guidata Guided movable jaw body	Cod.	1.30.6A100	1.30.6A200	1.30.6A300	1.30.6A400	1.30.6A500	1.30.6A600
Art. 306B Pattino per ganasce mobili guidate Sliding plate for guided movable jaw	Cod.	1.30.6B100	1.30.6B200	1.30.6B300	1.30.6B400	1.30.6B500	1.30.6B600
Art. 306C Pattino per ganasce mobili oscillanti Sliding plate for floating movable jaw **Y1 = Y - 1mm**	Cod.	1.30.6C100	1.30.6C200	1.30.6C300	1.30.6C400	1.30.6C500	1.30.6C600

GRUPPI PREASSEMBLATI / PRE-ASSEMBLED GROUP

Tipo (grandezza) / Vise type (size)	**1**	**2**	**3**	**4**	**5**	**6**
Ø B	180	225	290	320	370	400
C	50	52	65	80	94	116
D	112	146	175	200	220	240
E	155	195	245	272	310	340
F	20	23	28	28	34	38
G	11	14	20	20	25	25
H	6,5	8,5	12,5	12,5	17	17
L	7	10	13	13	17	17
M	12	14	20	20	26	26
N	10	13	16	16	20	20
O	6,5	8,5	12,5	12,5	16,5	16,5
kg	3,3	5,5	10,8	13	21	25,3
Cod.	2.10.51000	2.10.52000	2.10.53000	2.10.54000	2.10.55000	2.10.56000

Art. 105
Base girevole
Swivel base



Art. 105 - Senza alcuna dotazione
Art. 105 - Supplied without accessory equipment

Art. 365 Anello esterno per base girevole / Outer ring swivel base



Cod.	1.81.11000	1.81.21000	1.81.31000	1.81.41000	1.81.51000	1.81.61000

Art. 366 Anello interno per base girevole / Inner ring swivel base



Cod.	1.81.12000	1.81.22000	1.81.32000	1.81.42000	1.81.52000	1.81.62000

Art. 367 Staffa per base girevole / Clamp swivel base



Cod.	1.84.10000	1.84.20000	1.84.30000	1.84.40000	1.84.50000	1.84.60000

Art. 368 Spina cilindrica per base girevole / Straight pin swivel base



Cod.	0.80.11000	0.80.21000	0.80.31000	0.80.41000	0.80.51000	0.80.61000

Art. 420 Vite esagonale per base girevole / Bolt swivel base



Cod.	0.05.08035	0.05.10035	0.05.10040	0.05.12050	0.05.14060	0.05.14060

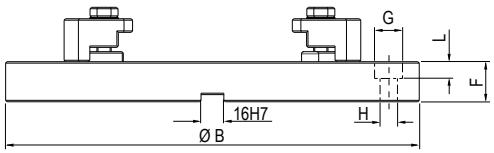
Art. 430 Rondella per base girevole / Washer swivel base

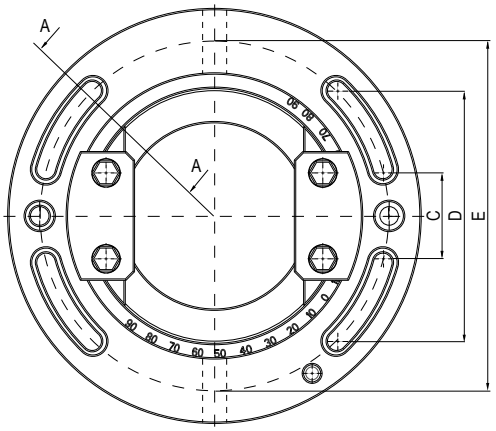


Cod.	0.75.18416	0.75.11052	0.75.11052	0.75.11325	0.75.11525	0.75.11525

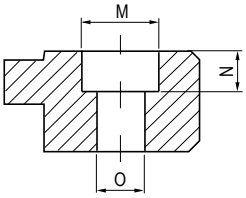
Art. 105 Base girevole / Swivel base

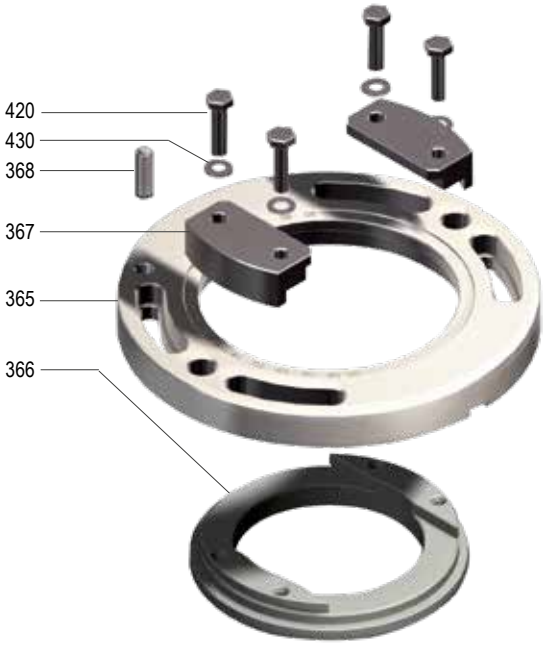
(Art. 365 + 366 + 367 + 368 + 420 + 430)





Sezione / Section "**A-A**"





GRUPPI PREASSEMBLATI / PRE-ASSEMBLED GROUP



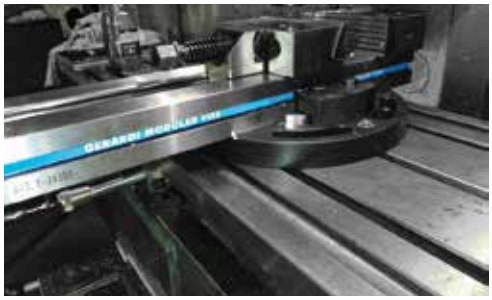
Art. 105
Art. 105

Base girevole
Swivel base



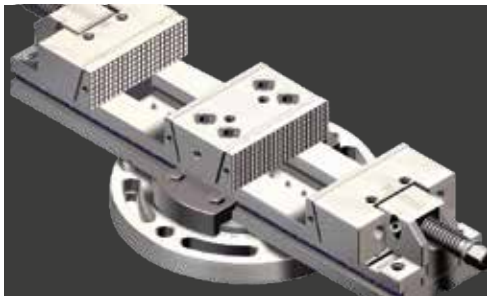
Art. 2
Art. 2

Morsa STD Art. 1 + Base girevole Art.105
Art. 1 STD vise + Swivel base Art.105



Art. 2
Art. 2

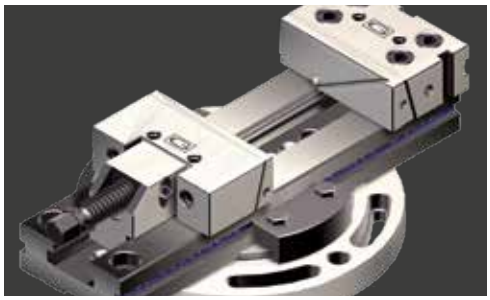
Morsa STD Art. 1 + Base girevole Art.105
Art. 1 STD vise + Swivel base Art.105



Morsa XL Art. 30A + Base girevole Art.105
Art. 30A XL vise + Swivel base Art.105



Morsa STD Art. 15 + Base girevole Art.105
Art. 15 STD vise + Swivel base Art.105



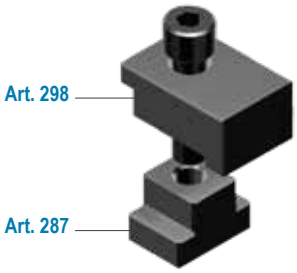
Art. 2A
Art. 2A

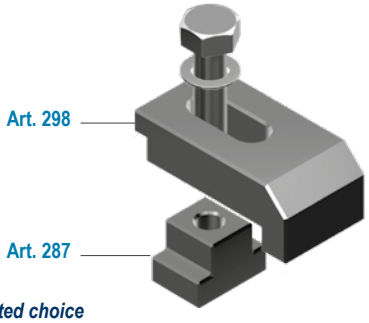
Morsa STD Art. 1A + Base girevole Art.105
Art. 1A STD vise + Swivel base Art.105

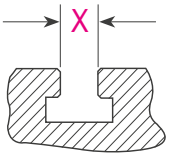
STAFFE DI ANCORAGGIO PER MORSE / VISE HOLDING CLAMPING

Art. 296

Coppia di staffe Art. 298 complete di vite e dado a **T** (Art. 287) / Pair of vise holding clamps Art. 298 complete of screws and **T** nuts (Art. 287)







Specificare sempre la cava della vostra macchina

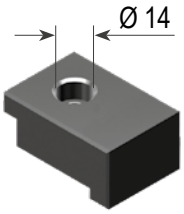
Always specify the machine T-slot dimension

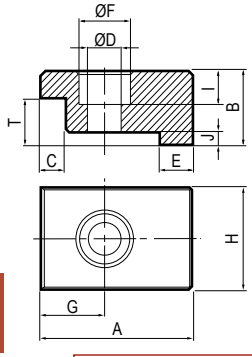
* ***Scelta consigliata - Suggested choice***

Morse / Vises	Tipo (grandezza) morsa / Vise (type) size							
STD	1	1 - 2			3 - 4		5 - 6	
FMS	1	1			2 - 3		4 - 5 - 6	
MULTIFLEX	1	1			2 - 3		-	
MULTITASKING	-	3			-		-	
COMPACT GRIP	-	1 - 2 - 3			-		-	
GRIPMATIC	-	2 - 3 - 4			-		-	
Staffe / Holding Clamps	M8	M10	M12 *	M16	M12 *	M16	M12	M16 *
Cod.	2.29.61000 / M8	2.29.61000 / M10	2.29.61000 / M12	2.29.61000 / M16	2.29.63000 / M12	2.29.63000 / M16	2.29.65000 / M12	2.29.65000 / M16

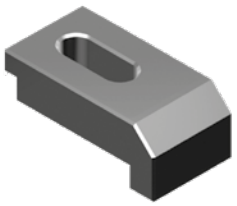
Art. 298

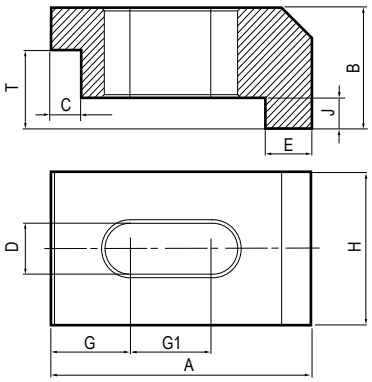
Staffe di ancoraggio per morse (Venduta singolarmente) / Vise holding clamps (Single)





Solo per tipo 1 x M8
Only for type 1 x M8





* ***Scelta consigliata - Suggested choice***

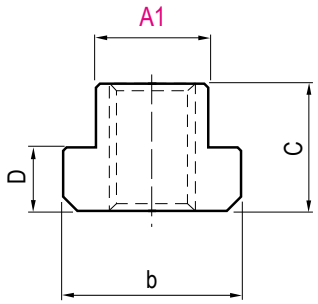
Morse / Vises	Tipo (grandezza) morsa / Vise (type) size							
STD	1	1 - 2			3 - 4		5 - 6	
FMS	1	1			2 - 3		4 - 5 - 6	
MULTIFLEX	1	1			2 - 3		-	
MULTITASKING	-	3			-		-	
COMPACT GRIP	-	1 - 2 - 3			-		-	
GRIPMATIC	-	2 - 3 - 4			-		-	
Staffe / Holding Clamps	M8	M10	M12 *	M16	M12 *	M16	M12	M16 *
A	50	50	50	50	76	76	86	86
B	24	24	24	24	30	30	40	40
C	6	6	6	6	6	6	10	10
Ø D	8,5	11	13	17	13	17	13	17
E	10	10	10	10	13	13	15	15
Ø F	14	-	-	-	-	-	-	-
G / G1	17	16 / 15	17,5 / 13	19 / 9	17 / 22	16 / 15	26 / 27	26 / 27
H	34	34	34	34	42	42	50	50
I	8	10	10	10	-	-	-	-
J	4	4	4	4	10	10	10	10
T ± 0,1	15	15	15	15	20	20	26	26
Cod.	2.29.81000 / M8	2.29.81000 / M10	2.29.81000 / M12	2.29.81000 / M16	2.29.83000 / M12	2.29.83000 / M16	2.29.85000 / M12	2.29.85000 / M16

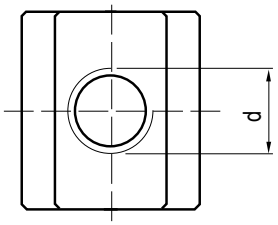
4

Art. 287

Dadi per cave a **T**
Nuts for **T** slots

DIN 508





In fase d'ordine, completare il codice specificando il numero ***N*** di dado a **T**

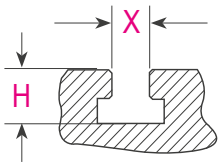
In the purchase order specify the ***N*** number of the **T** nut in the code

N	d	A1	b	C	D
~~01~~	~~M5 x 6~~	~~5,7~~	~~10~~	~~8~~	~~4~~
02	M5 x 8	7,7	13	10	5
03	M5 x 10	9,7	15	12	6
04	M6 x 8	7,7	13	10	5
05	M6 x 10	9,7	15	12	6
06	M6 x 12	11,7	18	14	7
~~07~~	~~M8 x 10~~	~~9,7~~	~~15~~	~~12~~	~~6~~
08	M8 x 12	11,7	18	14	7
09	M8 x 14	13,7	22	16	8
10	M8 x 16	15,7	25	18	9
11	M8 x 18	17,7	28	20	10
~~12~~	~~M10 x 12~~	~~11,7~~	~~18~~	~~14~~	~~7~~
13	M10 x 14	13,7	22	16	8
14	M10 x 16	15,7	25	18	9
15	M10 x 18	17,7	28	20	10
16	M10 x 20	19,7	32	24	12
17	M10 x 22	21,7	35	28	14
18	M10 x 24	23,7	40	32	16
~~19~~	~~M12 x 14~~	~~13,7~~	~~22~~	~~16~~	~~8~~
20	M12 x 16	15,7	25	18	9
21	M12 x 18	17,3	28	20	10
22	M12 x 20	19,7	32	24	12
23	M12 x 22	21,7	35	28	14
24	M12 x 24	23,7	40	32	16
25	M12 x 28	27,7	44	36	18
26	M12 x 30	29,7	48	38	19
~~27~~	~~M14 x 16~~	~~15,7~~	~~25~~	~~18~~	~~9~~
28	M14 x 18	17,7	28	20	10
29	M14 x 20	19,7	32	24	12
30	M14 x 22	21,7	35	28	14

N	d	A1	b	C	D
31	M14 x 24	23,7	40	32	16
~~32~~	~~M16 x 18~~	~~17,7~~	~~28~~	~~20~~	~~10~~
33	M16 x 20	19,7	32	24	12
34	M16 x 22	21,7	35	28	14
35	M16 x 24	23,7	40	32	16
36	M16 x 28	27,7	44	36	18
37	M16 x 30	29,7	48	38	19
38	M16 x 36	35,6	54	44	22
~~39~~	~~M18 x 20~~	~~19,7~~	~~32~~	~~24~~	~~12~~
~~40~~	~~M18 x 22~~	~~21,7~~	~~35~~	~~28~~	~~14~~
41	M18 x 24	23,7	40	32	16
42	M18 x 28	27,7	44	36	18
43	M18 x 30	29,7	48	38	19
44	M18 x 36	35,6	54	44	22
~~45~~	~~M20 x 22~~	~~21,7~~	~~35~~	~~28~~	~~14~~
~~46~~	~~M20 x 24~~	~~23,7~~	~~40~~	~~32~~	~~16~~
47	M20 x 28	27,7	44	36	18
48	M20 x 30	29,7	48	38	19
49	M20 x 36	35,6	54	44	22
50	M20 x 42	41,6	65	52	26
~~51~~	~~M20 x 48~~	~~47,6~~	~~75~~	~~60~~	~~30~~
52	M24 x 28	27,7	44	36	18
53	M24 x 30	29,7	48	38	19
54	M24 x 36	35,6	54	44	22
55	M24 x 42	41,6	65	52	26
56	M24 x 48	47,6	75	60	30
~~57~~	~~M30 x 36~~	~~35,6~~	~~54~~	~~44~~	~~22~~
58	M30 x 42	41,6	65	52	26
59	M30 x 48	47,6	75	60	30
60	M30 x 54	53,6	85	70	35

Esempio / Example
Cod. 2.28.74000 / **24**

DIN 650



Specificare sempre la cava della vostra macchina
Always specify the machine T-slot dimension

~~**Scelta NON consigliata - NOT Suggested choice**~~

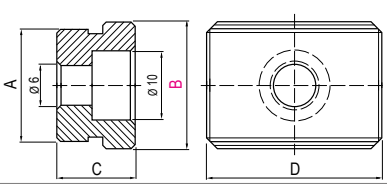
X	0 ÷ 22	23 ÷ 36	37 ÷ 54
Cod.	2.28.72000 / N	2.28.740000 / N	2.28.76000 / N

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 297

Coppia di tasselli di posizionamento completi di vite M5 x 10 / ***Specificare sempre quota B***
Pair of positioning key-nuts with M5 x 10 clamping screw / ***Specify always B dimension***





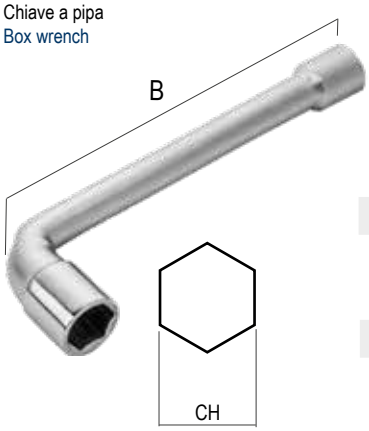
A	16									
B	10	12	14	16	18	20	22	24	28	36
C	10	10	10	10	10	12	12	12	12	12
D	25									
Cod.	2.29.71000									

Altri tipi e misure fornibili a richiesta
Other types and dimensions available on request

ATTREZZI e DOTAZIONI / TOOLS and EQUIPMENT

Tipo (grandezza) morsa / Vise type (size)		**1**	**2**	**3**	**4**	**5**	**6**
Art. 291	Ø	13,2	20,8	20,8	25,8	25,8	25,8
Tappo incavo per alloggiamento sfera solo per Art.1A Concave cap for sphere only for Art.1A	Cod.	1.29.11000	1.29.12000	1.29.13000	1.29.14000	1.29.15000	1.29.16000
Art. 325	CH	14	16	17	18	19	21
Chiave esagonale a bussola Hexagon bushing	Cod.	0.09.32514	0.09.32516	0.09.32517	0.09.32518	0.09.32519	0.09.32521
	CH	22	24	27	30	32	-
	Cod.	0.09.32522	0.09.32524	0.09.32527	0.09.32530	0.09.32532	-
Art. 370	Cod.	2.37.01000		2.37.03000		2.37.05000	
Arresto laterale completo Complete workstop							
Art. 405	Cod.	1.77.10120				1.77.16180	
Vite principale per arresto laterale (Ricambio) Main bolt for workstop (Spare)							
Art. 370A	Cod.	2.37.0A100		2.37.0A300		2.37.0A500	
Staffa per arresto laterale (Ricambio) Klamps for workstop (Spare)							

Tipo (grandezza) morsa / Vise type (size)		**1**		**2**		**3**		**4**		**5**		**6**	
Dimensioni / Dimension		CH	B	CH	B	CH	B	CH	B	CH	B	CH	B
Art. 375	**Morse Standard** / Standard Vises	12	160	19	280	22	300	22	300	30	480	30	480
Chiave a pipa Box wrench	Cod.	4.37.512160		4.37.519250		4.37.522300		4.37.522300		4.37.530480		4.37.530480	
	Morse FMS / FMS Vises	16	250	16	250	19	250	19	250	19	250	19	250
	Cod.	4.37.516250		4.37.516250		4.37.519250		4.37.519250		4.37.519250		4.37.519250	
	Vedi pag. 5.61 See pag. 5.61												
	Morse Multitasking / Multitasking Vises	12	250	16	250	16	250	-	-	-	-	-	-
	Cod.	4.37.512160		4.37.516250		4.37.516250		-		-		-	
	Vedi pag. 7.29 See pag. 7.29												
	Morse Compact Grip / Compact Grip Vises	10	160	12	160	16	250	-	-	-	-	-	-
	Cod.	4.37.510160		4.37.512160		4.37.516250		-		-		-	
	Vedi pag. 7.29 See pag. 7.29												



Art. 376	CH	4	5	6		10	
Chiave a T T wrench	Cod.	0.09.21400	0.09.22500	0.09.23600		0.09.25100	
Art. 377	CH	2	2,5	3	3,5	4	4,5
Chiave esagonale serie lunga Hexagon wrench long reach	Cod.	0.09.37702	0.09.37725	0.09.37703	0.09.37735	0.09.37704	0.09.37745
	CH	5	6	7	8	9	10
	Cod.	0.09.37705	0.09.37706	0.09.37707	0.09.37708	0.09.37709	0.09.37710
	CH	12	13	14	17	19	-
	Cod.	0.09.37712	0.09.37713	0.09.37714	09.37717	0.09.37719	-



Tipo (grandezza) morsa / Vise type (size)		**1**	**2**	**3**
Art. 357	Nm	10÷135	20÷200	34÷340
Chiave dinamometrica digitale a cricchetto con attacco 1/2" Torque wrench digital ratchet type with hexagon with 1/2" driver square	Cod.	2.35.71000	2.35.72000	2.35.73000

DISPOSITIVI MECCANICI / MECHANICAL BLOCKING DEVICES

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 258

Gruppo di serraggio meccanico completo senza accessori
Mechanical clamping device complete No accessories



kg	0,4	1	1,9	2,9	5,3	7,8
Cod.	2.25.81000	2.25.82000	2.25.83000	2.25.84000	2.25.85000	2.25.86000

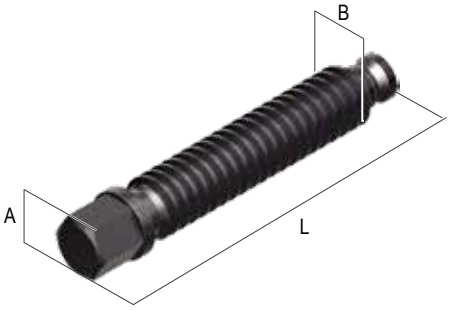
Per le forze di serraggio vedi pag. 4.00
For clamping force see page 4.00

4

RICAMBI / SPARE PARTS

Art. 360

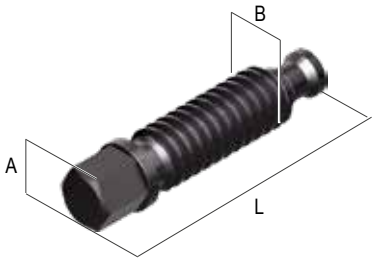
Vite di spinta. Normale
Clamping bolt. Normal



A	12	19	22	30
B	M12	TPN 18 x 4	TPN 24 x 5	TPN 30 x 5
L	100	130	150	190
Cod.	1.90.10144	1.90.20184	1.90.30245	1.90.50366

Art. 355

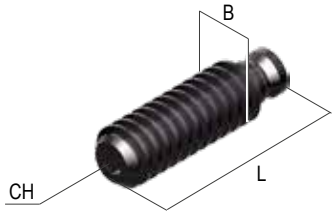
Vite di spinta. Ridotta
Clamping bolt. Short



A	12	19	22	30
B	M12	TPN 18 x 4	TPN 24 x 5	TPN 30 x 5
L	90	100	115	150
Cod.	1.90.14144	1.90.24184	1.90.34245	1.90.54366

Art. 356

Vite di spinta. Super ridotta
Clamping bolt. Super short



CH	6	8	10	12
B	M12	TPN 18 x 4	TPN 24 x 5	TPN 30 x 5
L	53	73	81	113
Cod.	1.35.61000	1.35.62000	1.35.60003	1.35.60005

Art. 282

Supporto di serraggio meccanico
Mechanical clamping device support



Cod.	2.28.21000	2.28.22000	2.28.23000	2.28.24000	2.28.25000	2.28.26000

Art. 410

Grano
Setscrew



Cod.	0.06.20810	0.06.21012	0.06.21216	0.06.21620	0.06.21630	0.06.31360
	M8 x 20	M10 x 25	M12 x 30	M12 x 40	M20 x 50	M20 x 50
	CH. 3	CH. 5	CH. 6	CH. 6	CH. 10	CH. 10

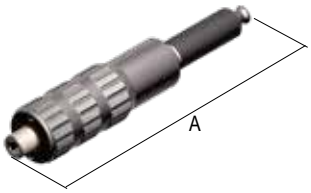
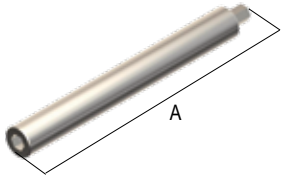
Art. 361

Sfera
Ball



Cod.	1.36.11001	1.36.12002	1.36.13003	1.36.14004	1.36.15005	1.36.16006
	9/16"	3/4"	7/8"	7/8"	1 1/8"	1 1/8"

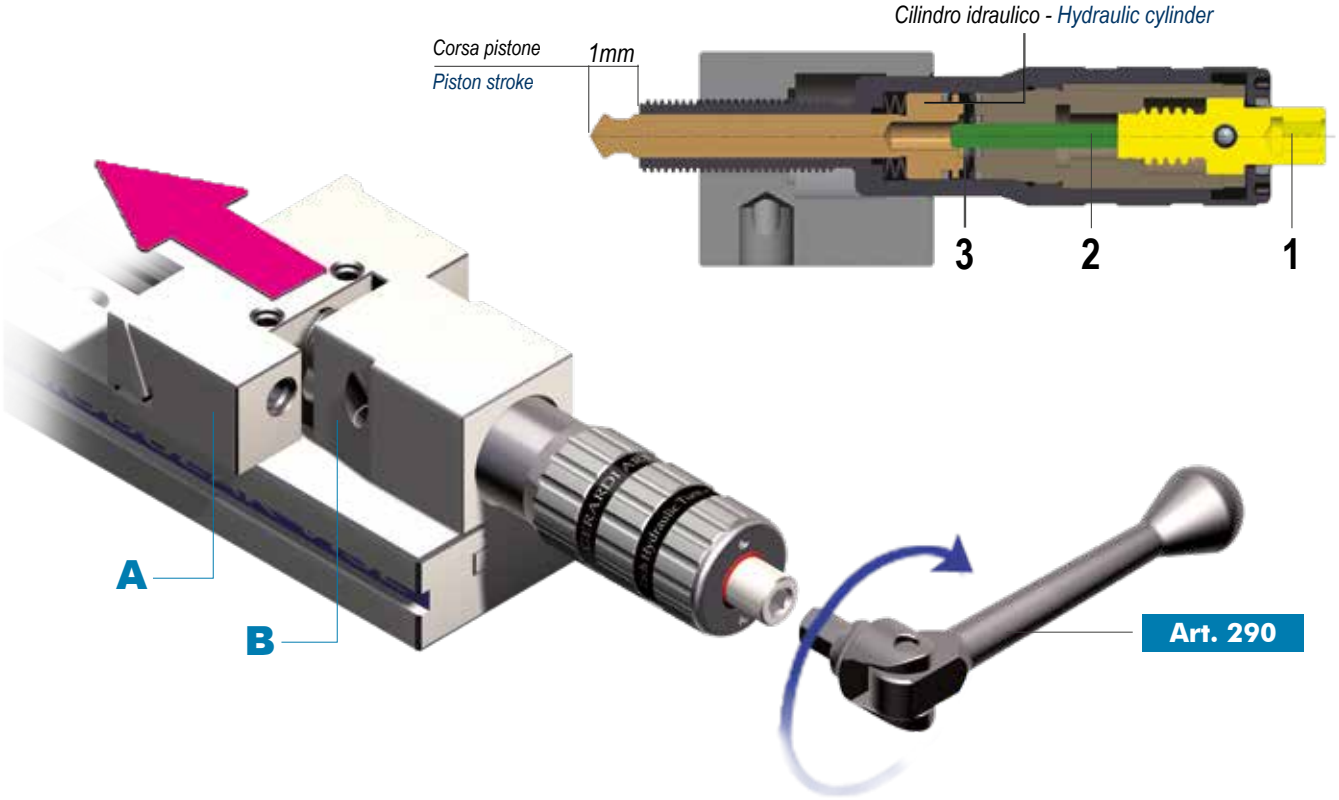
SERVOCOMANDI OLEODINAMICI / HYDRAULIC SERVO UNITS

Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 257 Gruppo di serraggio a vite idraulica (Autonomo) Hydraulic hand screw clamping device (Self contained)		Cod.	-	2.25.73000	2.25.74000	2.25.75000	2.25.76000
Art. 284 Supporto di serraggio per mandrino a vite idraulica Clamping support for hydraulic spindle		Cod.	-	2.28.43000	2.28.44000	2.28.45000	2.28.46000
Art. 286 Mandrino a vite idraulica Hydraulic spindle		Kn	-	12		20	
		A	-	420		359	
		Cod.	-	4.28.63000		4.28.65000	
Art. 295 Gruppo di serraggio a vite idraulica compatto Compact hydraulic hand screw clamping device		Cod.	-	4.29.53000	4.29.54000	-	-
Art. 294 Supporto di serraggio per mandrino compatto a vite idraulica Clamping support for compact hydraulic spindle		Cod.	-	4.29.43000	4.29.44000	-	-
Art. 293 Mandrino compatto a vite idraulica Compact hydraulic spindle		Kn	-	10		-	
		A	-	173			
		Cod.	-	4.29.33000	4.29.34000	-	-
Art. 290 Manovella per mandrino a vite idraulica Crank hydraulic spindle		Cod.	-	0.09.73000			
Art. 292 Prolunga per Art. 290 Extension for Art. 290		A	160 / 260				
		Cod.	-	4.29.23000			

METODI ALTERNATIVI DI SERRAGGIO
ALTERNATIVE CLAMPING OPTION

Il gruppo di serraggio a vite idraulica, è un moltiplicatore di forza manuale alternativo al gruppo di serraggio meccanico **Art. 258**; Tale dispositivo consente di applicare la medesima forza di serraggio della vite manuale con uno sforzo minore. Il mandrino a vite idraulica è azionato manualmente tramite l'apposita manovella in dotazione **Art. 290**.
Verificare che il vano tra ganascia mobile **A** e supporto vite **B** sia pulito, in modo che il mandrino idraulico possa scorrere liberamente senza impedimenti che potrebbero causare attriti e di conseguenza minor forza di serraggio.

Ruotare in senso orario il mandrino utilizzando la manovella in dotazione **Art. 290**, muovendo la ganascia mobile **A** in avanti fino al contatto con il pezzo da serrare. Un' ulteriore rotazione farà scattare la frizione e di conseguenza da quel momento inizia la forza di spinta idraulica e mentre il mandrino rimane fermo, avanza la vite **1** che sospinge lo stantuffo **2** nella camera d'olio **3** generando pressione. Dopo il precarico meccanico **ogni giro di manovella genera una forza K** e ***quando il mandrino arriva in battuta, sviluppa la massima forza possibile.***



ATTENZIONE !
Quando il mandrino arriva in battuta, una ulteriore pressione sviluppata sulla manovella (Art. 290) potrebbe danneggiare in modo irreparabile il moltiplicatore.

ATTENTION !
When the spindle reach the end of his stroke, a further pressure on the wrench (Art. 290) can seriously damage the pressure multiplier

The hand hydraulic clamping group is a manual power multiplier alternative to the mechanical clamping group **Art.258**. This device allows to reach the same clamping power reachable with the mechanical screw through a minimum effort. The hand hydraulic screw is manually operated by the proper wrench **Art.290.** Make sure that space between the movable jaw **A** and the main spindle support **B** is clean so that the hydraulic spindle can move freely without chips inside causing frictions and consequently less clamping power.

Turn clockvise the spindle using the wrench **Art. 290** supplied in the standard equipment until the movable jaw **A** touches workpiece. A further rotation will start the power multiplier action; at every spindle turn an increasing clamping power will be applied to the workpiece. A further rotation will make the crank slipt and the hydraulic power will start. The hydraulic spindle will stop turning but the screw **1** will move forward to push the small piston **2** into the oil chamber **3** creating an overpressure and obviously clamping force. After the mechanical pre-loading **each turn of the wrench produce a K force** and ***when the spindle reaches the end of its possible run it reaches its max possible power.***

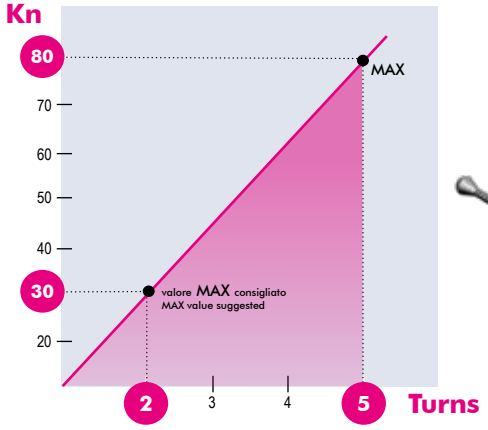
Diagrammi di serraggio / *Clamping diagrams*

Gruppi di serraggio idraulici
Hydraulic clamping devices

Diagrammi di serraggio meccanico con vite idraulica
Mechanical clamping diagrams with hydraulic hand screw

Morse tipo 3-4
Vises type

Autonomo - Self Contained

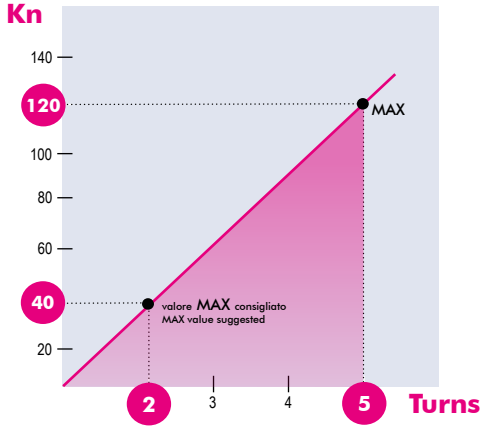




Art. 257

Morse tipo 5-6
Vises type

Autonomo - Self Contained

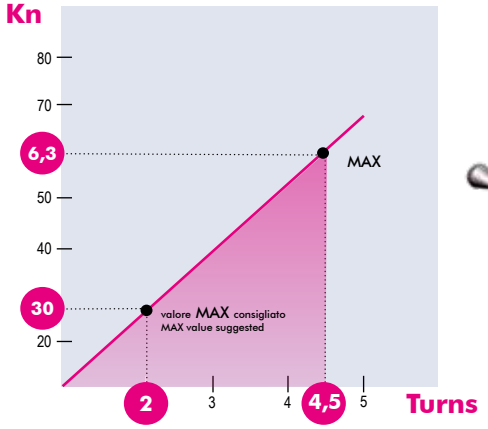


Gruppi di serraggio meccanici (Art.257 - Art.295) / *Mechanical clamping devices (Art.257 - Art.295)*

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con i seguenti gruppi di serraggio idraulici (da 1 a 6), in funzione dei giri applicati
The following diagrams give the clamping force that can be obtained with each hydraulic clamping devices type (size 1 to 6) depending on the turns

Morse tipo 3-4
Vises type

Compatto - Compact





Art. 295

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

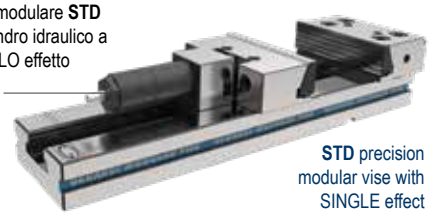
MORSE StandardMatic

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	X								
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	1.1E.10000	1.1E.20000	1.1E.32000	1.1E.33000	1.1E.42000	1.1E.43000	1.1E.44000	1.1E.45000

Art. 1E

NEW 2021

Morsa modulare **STD** con cilindro idraulico a SINGOLO effetto



STD precision modular vise with SINGLE effect hydraulic cylinder

4

Art. 393

MAX 450bar

Centralina a comando manuale **singolo effetto**
Single effect power unit with manual control



Cod. 4.39.34500

Art. 394

MAX 450bar

Centralina a comando pneumatico remoto **singolo effetto**
Single effect power unit with remote pneumatic control



Per azionare la centralina è consigliato l'uso dell' ART.402 (vedi pag.4.52)

Cod. 4.39.44500

Art. 395

MAX 450bar

Centralina a comando elettrico **singolo effetto**
Single effect power unit with electrical control

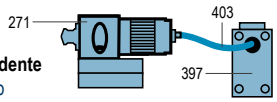


Cod. 4.39.54500

Art. 407

Gruppo di serraggio **indipendente**
Independent clamping group

MANUAL CONTROL



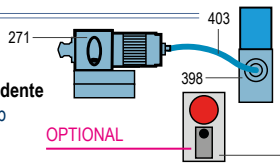
Le corse del pistone sono disponibili a pagina 4.54

Cod.	4.40.71000	4.40.72000	4.40.73000	4.40.74000

Art. 407A

Gruppo di serraggio **indipendente**
Independent clamping group

CNC CONTROL



Le corse del pistone sono disponibili a pagina 4.54

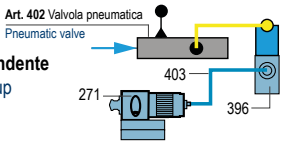
Cod.	4.40.7A100	4.40.7A200	4.40.7A300	4.40.7A400

Art. 401 Pulsantiera / Puschbutton board

Art. 407B

Gruppo di serraggio **indipendente**
Independent clamping group

AIR CONTROL

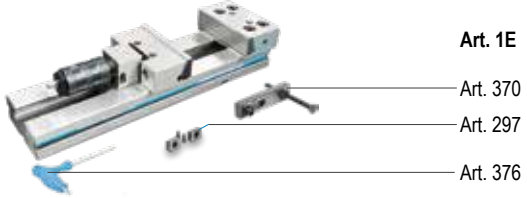


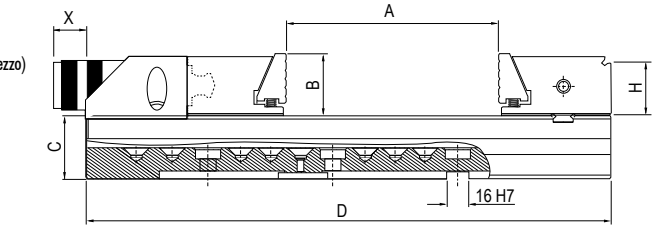
Cod.	4.40.7B100	4.40.7B200	4.40.7B300	4.40.7B400

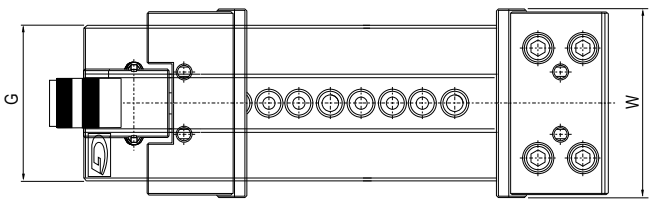
Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297 (Standard per cava da 16 mm; altre dimensioni a richiesta senza variazione di prezzo)
- 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7): € 90,00 - Extra per ogni chiavetta (tolleranza H7): € 200,00







Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts Art. 297 (Standard for 16 mm slot. Other dimensions available on request without price change)
- 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance): € 90,00 - Extra charge for each calibrated key nut (F7 tolerance): € 200,00

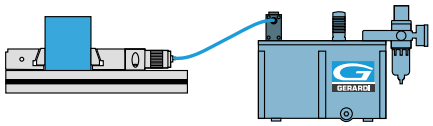
ESEMPIO D'ORDINE PER KIT COMPLETO: Art.1E (Morsa) + Art.393 (centralina a comando manuale) + Art.403 (tubo 1,5M)
COMPLETE KIT ORDER EXAMPLE: Art.1E (Vise) + Art.393 (power unit with manual control) + Art.403 (pipe 1,5M)

StandardMatic VISES

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
X												
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.1E.52000	1.1E.53000	1.1E.54000	1.1E.55000	1.1E.56000	1.1E.62000	1.1E.63000	1.1E.64000	1.1E.65000	1.1E.66000	1.1E.67000	1.1E.68000

4.39.34500 — 4.39.34500

Art. 393

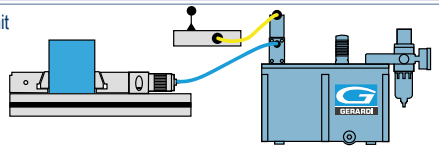


MANUAL CONTROL

Suggest the ART.402 (see pag.4.52) to use power unit

4.39.44500 — 4.39.44500

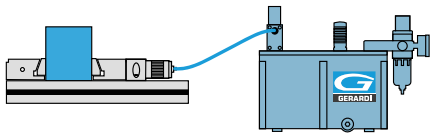
Art. 394



AIR CONTROL

4.39.54500 — 4.39.54500

Art. 395



CNC CONTROL

Piston strokes are available at page 4.54

4.40.75000 — 4.40.76000

Art. 407

MANUAL CONTROL

Piston strokes are available at page 4.54

4.40.7A500 — 4.40.7A600

Art. 407A

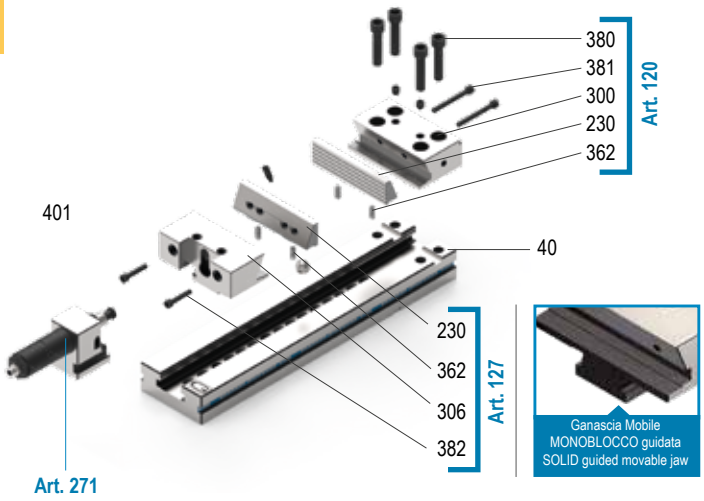
CNC CONTROL

4.40.7B500 — 4.40.7B600

Art. 407B

Pneumo-hydraulic servo units (complete of hydraulic cylinder + support) for multiple clamping ***simultaneous*** or ***indipendent***, from 2 to 6 vises. See from page 4.38 to 4.49

Art. 1E



Art.	Pag.
40	1.24
230	4.9
271	4.54
300	4.29
306	4.29
362	4.28
380	4.28
381	4.28
382	4.28

4

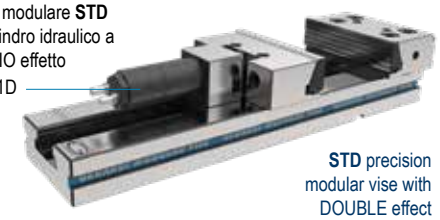
MORSE StandardMatic

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	X								
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	1.1F.10000	1.1F.20000	1.1F.32000	1.1F.33000	1.1F.42000	1.1F.43000	1.1F.44000	1.1F.45000

Art. 1F

NEW 2021

Morsa modulare **STD** con cilindro idraulico a DOPPIO effetto
Art.271D



STD precision modular vise with DOUBLE effect hydraulic cylinder

Art. 393D

MAX 450bar

Centralina a comando manuale **doppio effetto**
Double effect power unit with manual control



Cod.	4.39.3D450

Art. 394D

MAX 450bar

Centralina a comando pneumatico remoto **doppio effetto**
Double effect power unit with remote pneumatic control



Per azionare la centralina è consigliato l'uso dell' ART.402 (vedi pag.4.52)

Cod.	4.39.4D450

Art. 395D

MAX 450bar

Centralina a comando elettrico **doppio**
Power unit with **double** electrical control

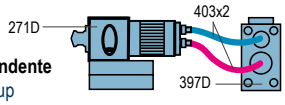


Cod.	4.39.5D450

Art. 407C

Gruppo di serraggio **indipendente**
Independent clamping group

MANUAL CONTROL



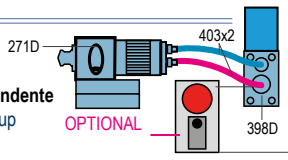
Le corse del pistone sono disponibili a pagina 4.54

Cod.	4.40.7C100	4.40.7C200	4.40.7C300	4.40.7C400

Art. 407D

Gruppo di serraggio **indipendente**
Independent clamping group

CNC CONTROL



Le corse del pistone sono disponibili a pagina 4.54

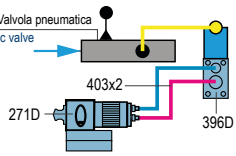
Cod.	4.40.7D100	4.40.7D200	4.40.7D300	4.40.7D400

Art. 401 Pulsantiera / Puschbutton board

Art. 407E

Gruppo di serraggio **indipendente**
Independent clamping group

AIR CONTROL

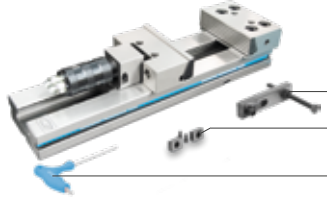


Cod.	4.40.7E100	4.40.7E200	4.40.7E300	4.40.7E400

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297 (Standard per cava da 16 mm; altre dimensioni a richiesta senza variazione di prezzo)
- 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7): € 90,00 - Extra per ogni chiavetta (tolleranza H7): € 200,00



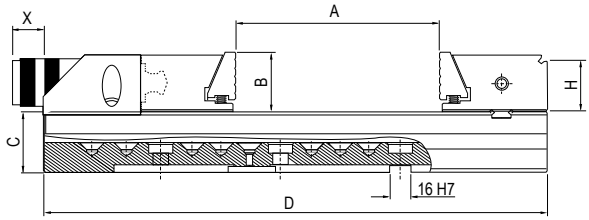
Art. 1E

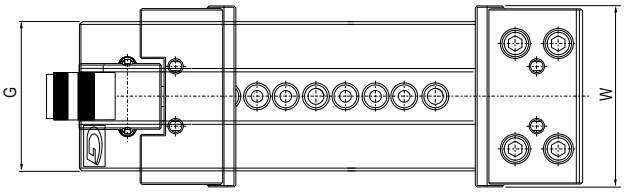
Art. 370
Art. 297
Art. 376

Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts Art. 297 (Standard for 16 mm slot. Other dimensions available on request without price change)
- 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance): € 90,00 - Extra charge for each calibrated key nut (F7 tolerance): € 200,00





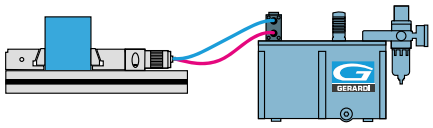
ESEMPIO D'ORDINE PER KIT COMPLETO: Art.1F (Morsa) + Art.393 (centralina a comando manuale) + Art.403 (tubo 1,5M)
COMPLETE KIT ORDER EXAMPLE: Art.1F (Vise) + Art.393 (power unit with manual control) + Art.403 (pipe 1,5M)

StandardMatic VISES

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
X												
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.1F.52000	1.1F.53000	1.1F.54000	1.1F.55000	1.1F.56000	1.1F.62000	1.1F.63000	1.1F.64000	1.1F.65000	1.1F.66000	1.1F.67000	1.1F.68000

4.39.3D450 — 4.39.3D450

Art. 393

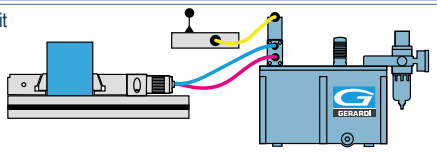


MANUAL CONTROL

Suggest the ART.402 (see pag.4.52) to use power unit

4.39.4D450 — 4.39.4D450

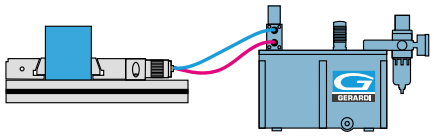
Art. 394



AIR CONTROL

4.39.5D450 — 4.39.5D450

Art. 395



CNC CONTROL

Piston strokes are available at page 4.54

4.40.7C500 — 4.40.7C600

Art. 407C

MANUAL CONTROL

Piston strokes are available at page 4.54

4.40.7D500 — 4.40.7D600

Art. 407D

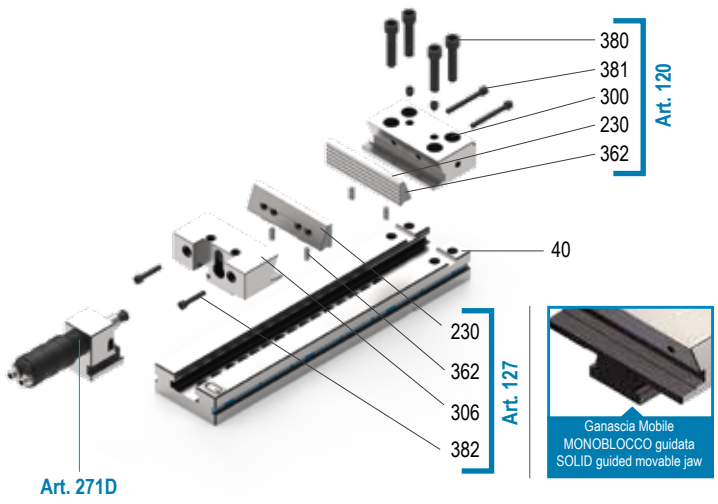
CNC CONTROL

4.40.7E500 — 4.40.7E600

Art. 407E

Pneumo-hydraulic servo units (complete of hydraulic cylinder + support) for multiple clamping ***simultaneous*** or ***indipendent***, from 2 to 6 vises. See from page 4.38 to 4.49

Art. 1F



Art.	Pag.
40	1.24
230	4.9
271D	4.54
300	4.29
362	4.28
381	4.28
382	4.28

COMANDO MANUALE - MANUAL CONTROL

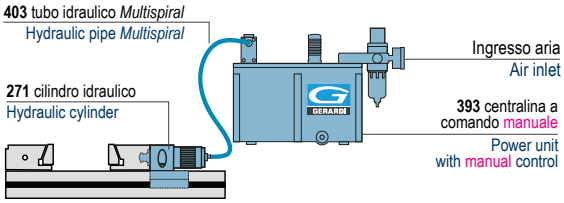
SINGOLO EFFETTO | SINGLE EFFECT

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 390

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED



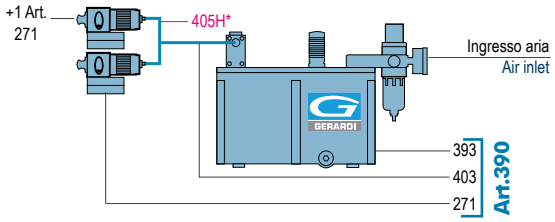
Art. 393 + Art. 271 + Art. 403 (m 1,5)

Cod.	4.39.01000	4.39.02000	4.39.03000	4.39.04000	4.39.05000	4.39.06000

Art. 390/2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 390 + n° 1 Art. 271



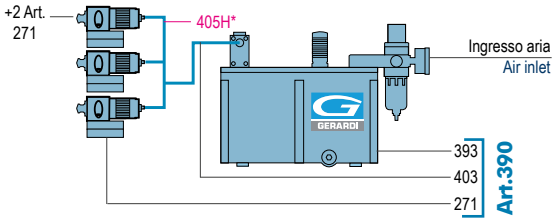
Cod.	4.39.01002	4.39.02002	4.39.03002	4.39.04002	4.39.05002	4.39.06002

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 390/3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 390 + n° 2 Art. 271



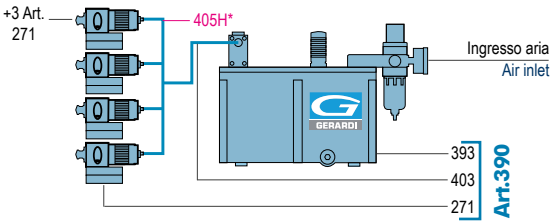
Cod.	4.39.01003	4.39.02003	4.39.03003	4.39.04003	4.39.05003	4.39.06003

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 390/4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 390 + n° 3 Art. 271



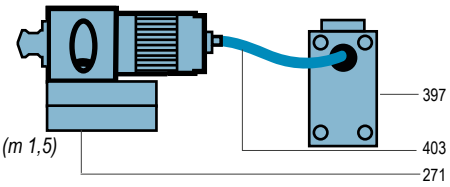
Cod.	4.39.01004	4.39.02004	4.39.03004	4.39.04004	4.39.05004	4.39.06004

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407

Gruppo di serraggio **indipendente**
Independent clamping group

Art. 271 + Art. 397 + Art. 403 (m 1,5)



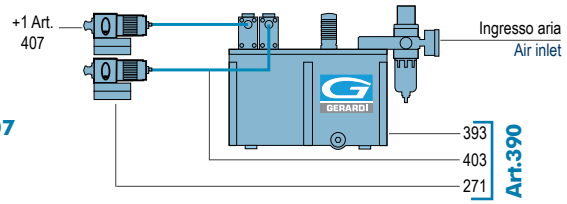
Cod.	4.40.71000	4.40.72000	4.40.73000	4.40.74000	4.40.75000	4.40.76000

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)

Art. 390A / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 390 + n° 1 Art. 407

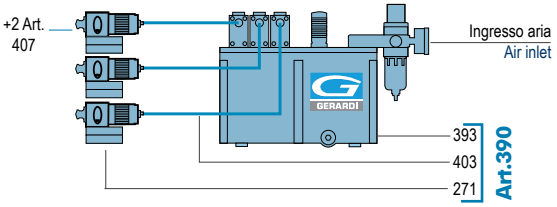


Cod.	4.39.0A102	4.39.0A202	4.39.0A302	4.39.0A402	4.39.0A502	4.39.0A602

Art. 390A / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 390 + n° 2 Art. 407

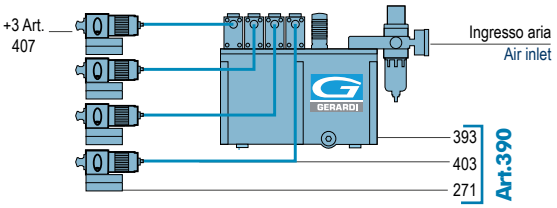


Cod.	4.39.0A103	4.39.0A203	4.39.0A303	4.39.0A403	4.39.0A503	4.39.0A603

Art. 390A / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 390 + n° 3 Art. 407



Cod.	4.39.0A104	4.39.0A204	4.39.0A304	4.39.0A404	4.39.0A504	4.39.0A604

COMANDO ELETTRICO - SOLENOID CONTROL

SINGOLO EFFETTO - cnc | SINGLE EFFECT da cnc

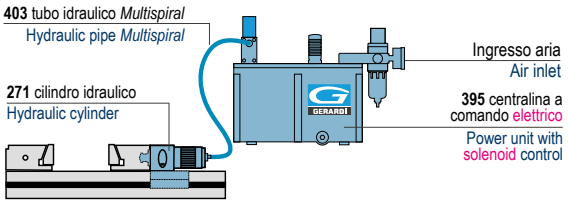
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 391

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED

Art. 395 + Art. 271 + Art. 403 *(m 1,5)*

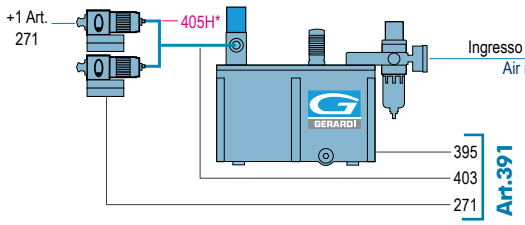


Cod.	4.39.11000	4.39.12000	4.39.13000	4.39.14000	4.39.15000	4.39.16000

Art. 391 / 2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 391 + n° 1 Art. 271



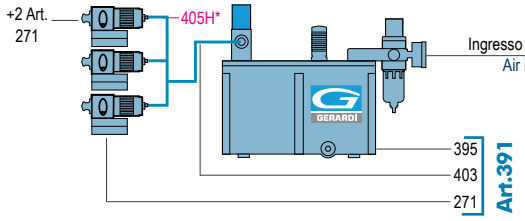
Cod.	4.39.11002	4.39.12002	4.39.13002	4.39.14002	4.39.15002	4.39.16002

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 391 / 3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 391 + n° 2 Art. 271



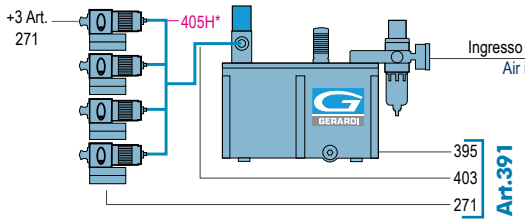
Cod.	4.39.11003	4.39.12003	4.39.13003	4.39.14003	4.39.15003	4.39.16003

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 391 / 4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 391 + n° 3 Art. 271



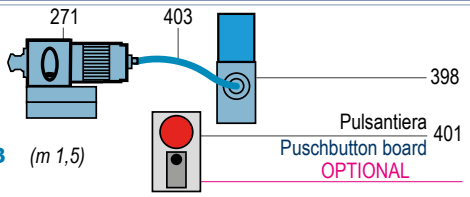
Cod.	4.39.11004	4.39.12004	4.39.13004	4.39.14004	4.39.15004	4.39.16004

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407A

Gruppo di serraggio **indipendente**
Independent clamping group

Art. 271 + Art. 398 + Art. 403 *(m 1,5)*



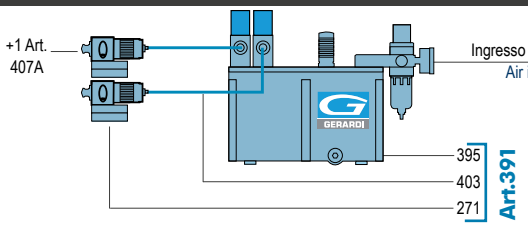
Cod.	4.40.7A100	4.40.7A200	4.40.7A300	4.40.7A400	4.40.7A500	4.40.7A600

Possibility to automate all STD / StandardFLEX / XL / Modular Element vises. (Art.1E & Art.1F except)

Art. 391A / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 391 + n° 1 Art. 407A

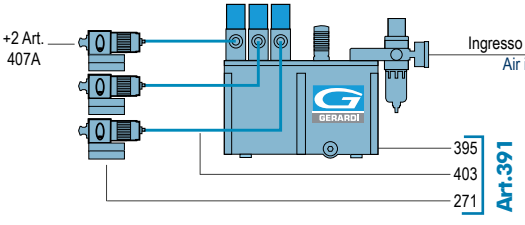


Cod.	4.39.1A102	4.39.1A202	4.39.1A302	4.39.1A402	4.39.1A502	4.39.1A602

Art. 391A / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 391 + n° 2 Art. 407A

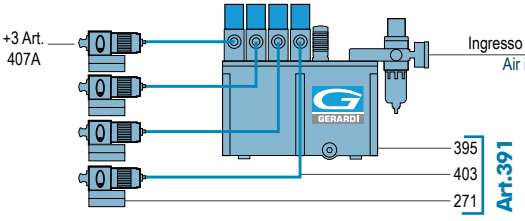


Cod.	4.39.1A103	4.39.1A203	4.39.1A303	4.39.1A403	4.39.1A503	4.39.1A603

Art. 391A / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 391 + n° 3 Art. 407A



Cod.	4.39.1A104	4.39.1A204	4.39.1A304	4.39.1A404	4.39.1A504	4.39.1A604

4

COMANDO PNEUMATICO - PNEUMATIC CONTROL

SINGOLO EFFETTO / SINGLE EFFECT

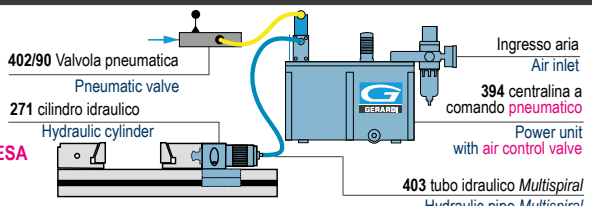
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 392

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED

Art. 394 + 271 + 402 + 403 *(m 1,5)*



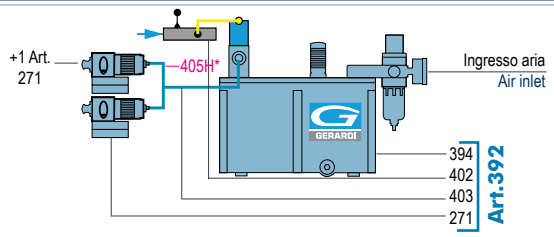
Cod.	4.39.21000	4.39.22000	4.39.23000	4.39.24000	4.39.25000	4.39.26000

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392 / 2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 392 + n° 1 Art. 271



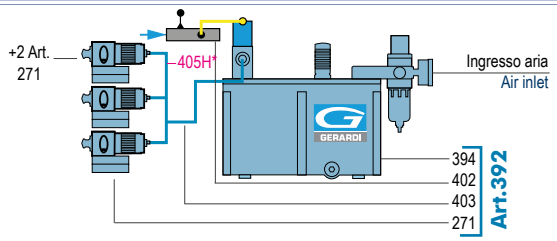
Cod.	4.39.21002	4.39.22002	4.39.23002	4.39.24002	4.39.25002	4.39.26002

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392 / 3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 392 + n° 2 Art. 271



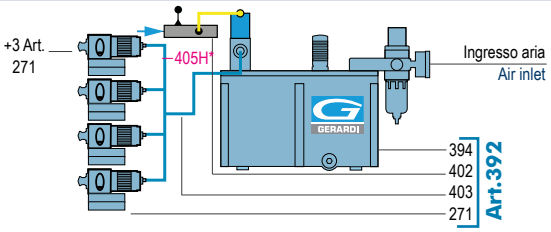
Cod.	4.39.21003	4.39.22003	4.39.23003	4.39.24003	4.39.25003	4.39.26003

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392 / 4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 392 + n° 3 Art. 271



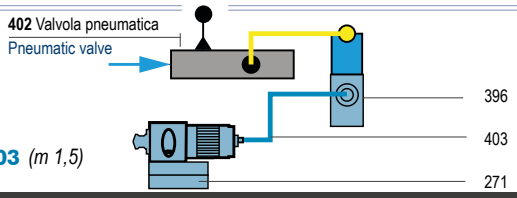
Cod.	4.39.21004	4.39.22004	4.39.23004	4.39.24004	4.39.25004	4.39.26004

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407B

Gruppo di serraggio **indipendente**
Independent clamping group

Art. 271 + 396 + 402 + 403 *(m 1,5)*



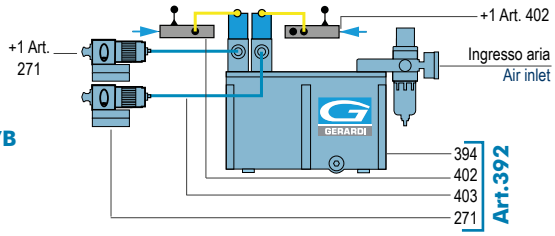
Cod.	4.40.7B100	4.40.7B200	4.40.7B300	4.40.7B400	4.40.7B500	4.40.7B600

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)

Art. 392A / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 392 + n° 1 Art. 407B

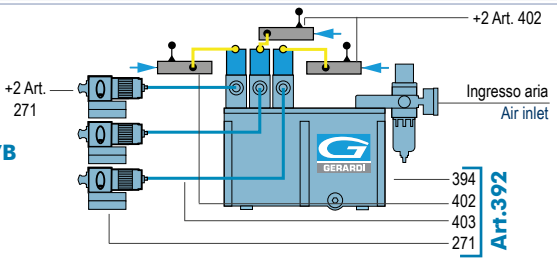


Cod.	4.39.2A102	4.39.2A202	4.39.2A302	4.39.2A402	4.39.2A502	4.39.2A602

Art. 392A / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 392 + n° 2 Art. 407B

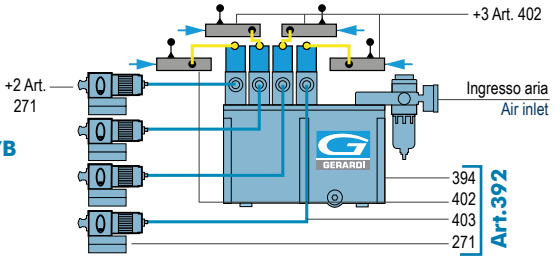


Cod.	4.39.2A103	4.39.2A203	4.39.2A303	4.39.2A403	4.39.2A503	4.39.2A603

Art. 392A / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 392 + n° 3 Art. 407B



Cod.	4.39.2A104	4.39.2A204	4.39.2A304	4.39.2A404	4.39.2A504	4.39.2A604

ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

N.B. Le centraline sono fornite senza olio
N.B The power units are supplied without oil

Art. 393

Centralina a comando manuale singolo
Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with single manual control
Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.34500

Art. 397

Blocco modulare per comando manuale aggiuntivo per ogni morsa extra

Modular block for manual control for each extra vise

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.70000

Art. 397B

Blocco base per comando manuale

Base block for manual control

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.7B000

Art. 394

Centralina a comando pneumatico remoto
(Tramite Art. 402 extra) - Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with remote pneumatic control
(Through Art. 402 extra) - Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.44500

Art. 396

Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.60000

Art. 396B

Blocco base per comando pneumatico

Base block for pneumatic contro

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.6B000

Art. 395

Centralina a comando elettrico
Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with electrical control
Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.54500

Art. 398

Blocco modulare per comando elettrico aggiuntivo per ogni morsa extra

Modular block for electric control for each extra vise

Su richiesta:
12V / 24V / ...V
On request:
12V / 24V / ...V

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.80000

Art. 398B

Blocco base per comando pneumatico

Base block for pneumatic control

Su richiesta:
12V / 24V / ...V
On request:
12V / 24V / ...V

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.8B000

4

COMANDO MANUALE - MANUAL CONTROL

DOPPIO EFFETTO | DOUBLE EFFECT

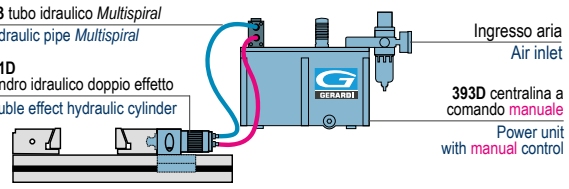
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 390B

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED

Art.393D + Art.271D + Art.403 (m 1,5)

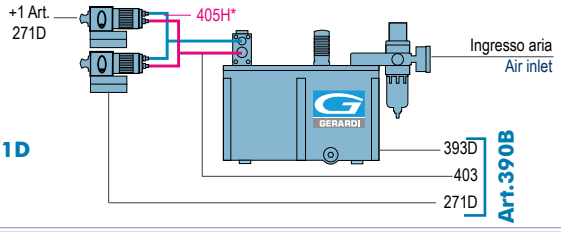


Cod.	4.39.0B100	4.39.0B200	4.39.0B300	4.39.0B400	4.39.0B500	4.39.0B600

Art. 390B/2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 390B + n° 1 Art.271D



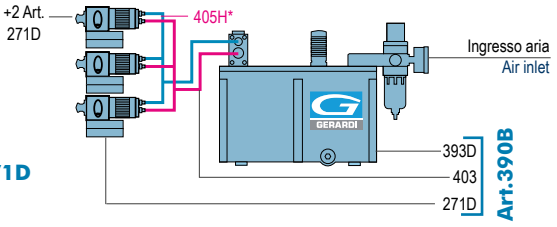
Cod.	4.39.0B102	4.39.0B202	4.39.0B302	4.39.0B402	4.39.0B502	4.39.0B602

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 390B/3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 390B + n° 2 Art.271D



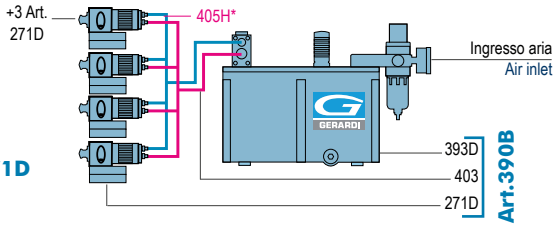
Cod.	4.39.0B103	4.39.0B203	4.39.0B303	4.39.0B403	4.39.0B503	4.39.0B603

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 390B/4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 390B + n° 3 Art.271D



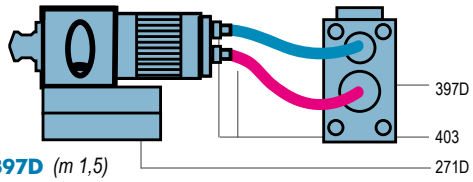
Cod.	4.39.0B104	4.39.0B204	4.39.0B304	4.39.0B404	4.39.0B504	4.39.0B604

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407C

Gruppo di serraggio **indipendente**
Independent clamping group

Art.271D + Art. 403 + Art. 397D *(m 1,5)*



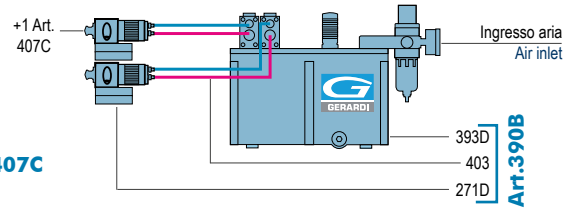
Cod.	4.40.7C100	4.40.7C200	4.40.7C300	4.40.7C400	4.40.7C500	4.40.7C600

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)

Art. 390C / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 390C + n° 1 Art. 407C

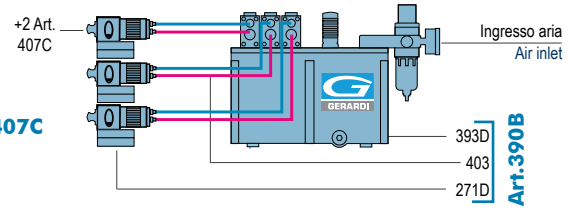


Cod.	4.39.0C102	4.39.0C202	4.39.0C302	4.39.0C402	4.39.0C502	4.39.0C602

Art. 390C / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 390C + n° 2 Art. 407C

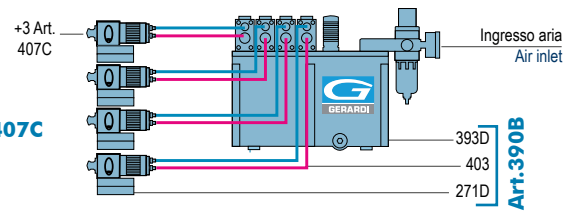


Cod.	4.39.0C103	4.39.0C203	4.39.0C303	4.39.0C403	4.39.0C503	4.39.0C603

Art. 390C / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 390C + n° 3 Art. 407C



Cod.	4.39.0C104	4.39.0C204	4.39.0C304	4.39.0C404	4.39.0C504	4.39.0C604

COMANDO ELETTRICO - SOLENOID CONTROL

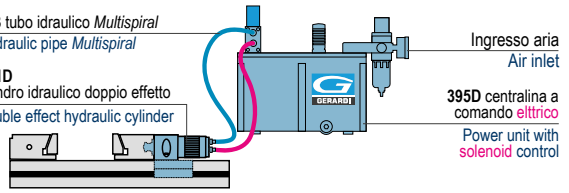
DOPPIO EFFETTO da cnc | DOUBLE EFFECT by cnc

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 391B

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED



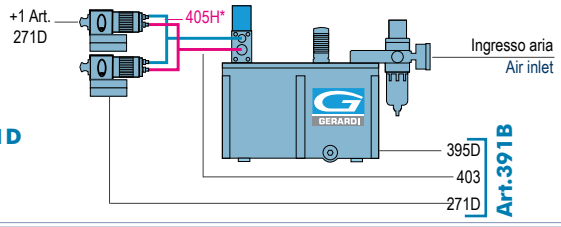
Art. 395D + Art.271D + Art. 403 (m 1,5)

Cod.	4.39.1B100	4.39.1B200	4.39.1B300	4.39.1B400	4.39.1B500	4.39.1B600

Art. 391B / 2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 391B + n° 1 Art.271D



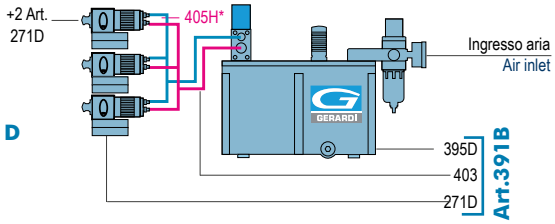
Cod.	4.39.1B102	4.39.1B202	4.39.1B302	4.39.1B402	4.39.1B502	4.39.1B602

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 391B / 3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 391B + n° 2 Art.271D



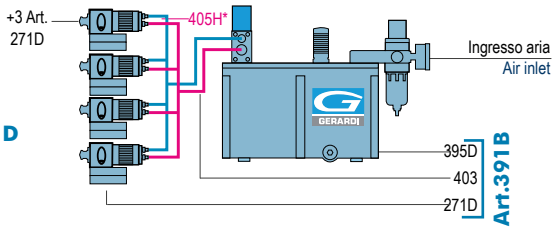
Cod.	4.39.1B103	4.39.1B203	4.39.1B303	4.39.1B403	4.39.1B503	4.39.1B603

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 391B / 4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 391B + n° 3 Art.271D



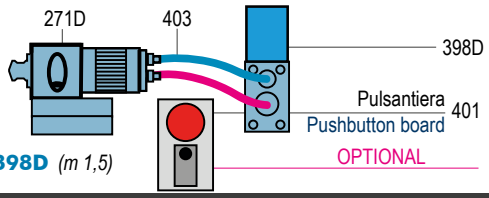
Cod.	4.39.1B104	4.39.1B204	4.39.1B304	4.39.1B404	4.39.1B504	4.39.1B604

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407D

Gruppo di serraggio **indipendente**
Independent clamping group

Art.271D + Art. 403 + Art.398D *(m 1,5)*



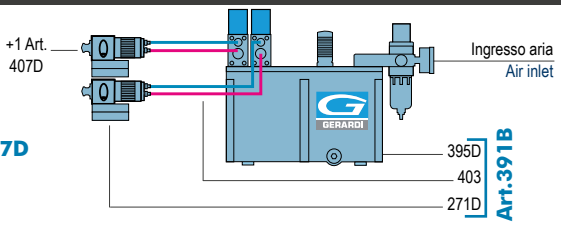
Cod.	4.40.7D100	4.40.7D200	4.40.7D300	4.40.7D400	4.40.7D500	4.40.7D600

Possibility to automate all STD / StandardFLEX / XL / Modular Element vises. (Art.1E & Art.1F except)

Art. 391C / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 391C + n° 1 Art. 407D

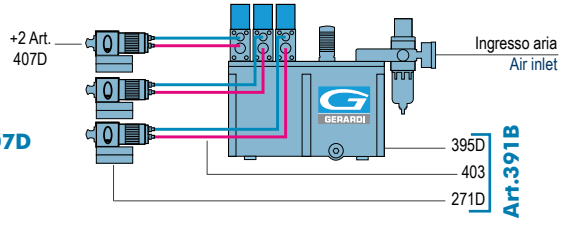


Cod.	4.39.1C102	4.39.1C202	4.39.1C302	4.39.1C402	4.39.1C502	4.39.1C602

Art. 391C / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 391C + n° 2 Art. 407D

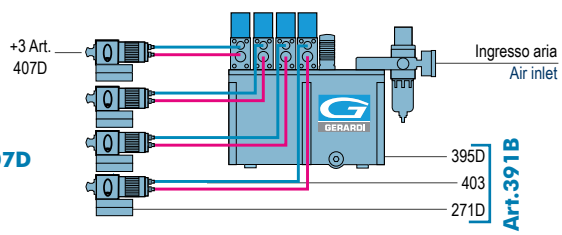


Cod.	4.39.1C103	4.39.1C203	4.39.1C303	4.39.1C403	4.39.1C503	4.39.1C603

Art. 391C / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 391C + n° 3 Art. 407D



Cod.	4.39.1C104	4.39.1C204	4.39.1C304	4.39.1C404	4.39.1C504	4.39.1C604

4

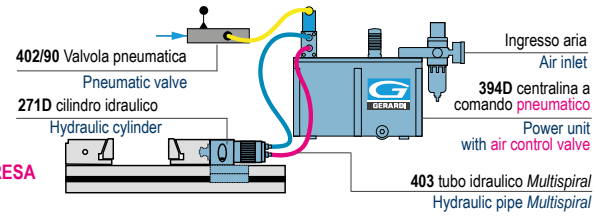
COMANDO PNEUMATICO - PNEUMATIC CONTROL

DOPPIO EFFETTO | DOUBLE EFFECT

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 392B

N° 1 serraggio
N° 1 clamping



MORSA NON COMPRESA
VISE NOT INCLUDED

Art. 394D + 271D + 402 + 403 *(m 1,5)*

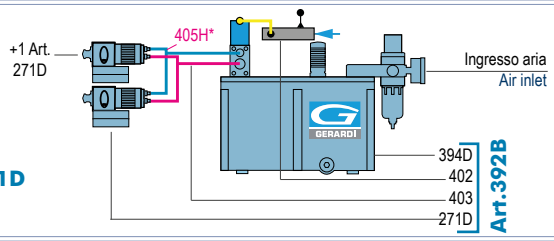
Cod.	4.39.2B100	4.39.2B200	4.39.2B300	4.39.2B400	4.39.2B500	4.39.2B600

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392B / 2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 392B + n° 1 Art.271D



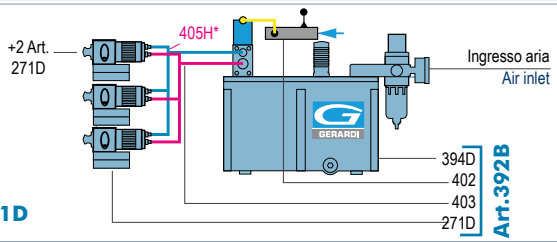
Cod.	4.39.2B102	4.39.2B202	4.39.2B302	4.39.2B402	4.39.2B502	4.39.2B602

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392B / 3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 392B + n° 2 Art.271D



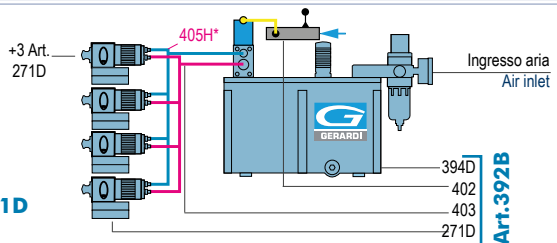
Cod.	4.39.2B103	4.39.2B203	4.39.2B303	4.39.2B403	4.39.2B503	4.39.2B603

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392B / 4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 392B + n° 3 Art.271D



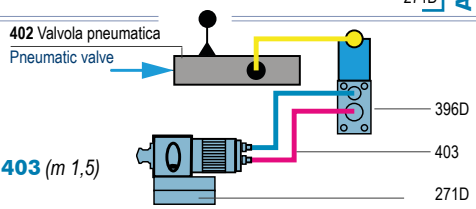
Cod.	4.39.2B104	4.39.2B204	4.39.2B304	4.39.2B404	4.39.2B504	4.39.2B604

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407E

Gruppo di serraggio **indipendente**
Independent clamping group

Art.271D + 396D + 402 + 403 *(m 1,5)*



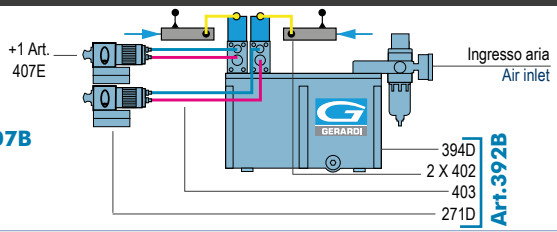
Cod.	4.40.7E100	4.40.7E200	4.40.7E300	4.40.7E400	4.40.7E500	4.40.7E600

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)

Art. 392C / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 392C + n° 1 Art. 407B

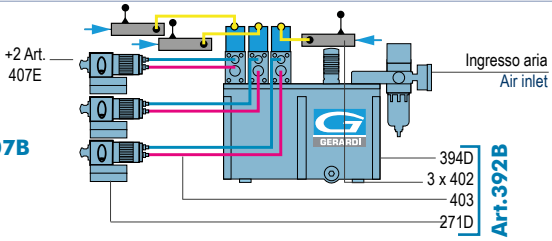


Cod.	4.39.2C102	4.39.2C202	4.39.2C302	4.39.2C402	4.39.2C502	4.39.2C602

Art. 392C / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 392C + n° 2 Art. 407B

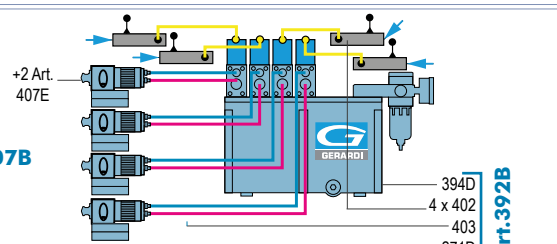


Cod.	4.39.2C103	4.39.2C203	4.39.2C303	4.39.2C403	4.39.2C503	4.39.2C603

Art. 392C / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 392C + n° 3 Art. 407B



Cod.	4.39.2C104	4.39.2C204	4.39.2C304	4.39.2C404	4.39.2C504	4.39.2C604

ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

N.B. Le centraline sono fornite senza olio
N.B The power units are supplied without oil

Art. 393D

Centralina a comando manuale doppio
Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with double manual control
Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.3D450

Art. 397D

Blocco modulare per comando manuale aggiuntivo per ogni morsa extra

Modular block for manual control for each extra vise

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.7D000

Art. 397C

Blocco base per comando manuale

Base block for manual control

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.7C000

Art. 394D

Centralina a comando pneumatico remoto doppio (Tramite Art. 402 extra) - Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with double remote pneumatic control (Through Art. 402 extra) - Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.4D450

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Art. 396D

Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise

Cod. 4.39.6D000

Art. 396C

Blocco base per comando pneumatico

Base block for pneumatic control

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.6C000

Art. 395D

Centralina a comando elettrico
Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with electrical control
Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.5D450

Su richiesta:
12V / 24V / ...V
On request:
12V / 24V / ...V

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Art. 398D

Blocco modulare per comando elettrico aggiuntivo per ogni morsa extra

Modular block for electric control for each extra vise

Cod. 4.39.8D000

Art. 398C

Blocco base per comando pneumatico

Base block for pneumatic control

Su richiesta:
12V / 24V / ...V
On request:
12V / 24V / ...V

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.8C000

4

ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

Art. 399

Gruppo filtro riduttore più lubrificatore
Compressed air preparation unit



Cod.	4.39.90000

Art. 400

Pedale bistabile
Two positions foot pedal



Cod.	4.40.00000

Art. 401

Pulsantiera per 1 azionamento
Puschbutton board for one control operation



Cod.	4.40.10000

Art. 402

Valvola pneumatica frontale, 2 vie
Frontal pneumatic valve, 2 ways



Cod.	4.40.20000

Art. 402/90

Distributore leva angolare a 90°, 3 vie
90° angular valve, 3 ways



Cod.	9.40.29000

Art. 405H Per ogni metro extra / For each extra meter: € 10

Coduttura Tubolare in acciao zincato (m 1,0)
Suitable galvanized steel pipe (m 1,0)



Ø	6
Cod.	4.40.5H000

Art. 403 Per ogni metro extra / For each extra meter: € 116

Tubo idraulico Multispiral 760bar completo di attacco rapido Art. 270A (m 1,5)
Hydraulic pipe *Multispiral* 760 bar complete with rapid connection Art. 270A (m 1,5)

Con le centraline a DOPPIO EFFETTO l'attacco rapido NON è incluso
With DOUBLE EFFECT power unit the quick connection is NOT icluded



Cod.	4.40.30000

Art. 404

Manometro 400bar
Oil pressure gauge 400bar



Cod.	4.40.40000

ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

Art. 270A

Attacco idraulico rapido femmina
Quick hydraulic female connection



Cod.	4.27.0A000

Art. 270B

Innesto idraulico rapido maschio
Quick hydraulic male connection



Cod.	4.27.0B000

Art. ID03

Raccordo idraulico a "L" maschio cilindrico Ø6 - 1/4" Gas
"L" hydraulic male parallel adaptor Ø6 - 1/4" Gas



Cod.	9.ID.03000

Art. ID04

Raccordo idraulico a "T" centrale maschio cilindrico Ø6 - 1/4" Gas
"T" hydraulic male parallel adaptor Ø6 - 1/4" Gas



Cod.	9.ID.04000

Art. ID05

Riduzione idraulica Ø6 -1/4" Gas
Hydraulic straight male adaptor Ø6 - 1/4" Gas



Cod.	9.ID.05000

Art. 505

Pressostato 400bar
Pressure switch 400bar



Cod.	0.50.50000

Art. 272A

Indicatore di forza kN
Force indicator kN

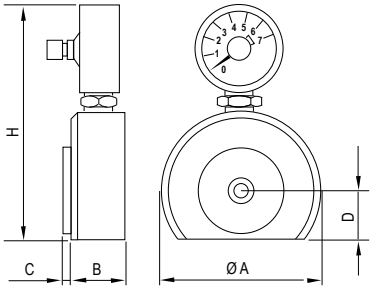


Cod.	4.27.2A600

Art. 272

Cella di carico **completa** per controllo forza di bloccaggio delle morse
Complete loading cells to check vise clamping force





Ø A	90
B	37
C	4
D	30
E	c.a. 150
kN	60
Cod.	4.27.26000

SERVOCOMANDI OLEODINAMICI / HYDRAULIC SERVO UNITS

4

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 271

Supporto di serraggio con cilindro idraulico
Clamping support with hydraulic cylinder
SEMPLICE EFFETTO - SIMPLE EFFECT



Cod.	2.27.11000	2.27.12000	2.27.13000	2.27.14000	2.27.15000	2.27.16000
Corsa Stroke	32	26			40	

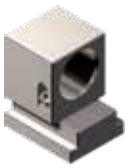
Art. 271D

Supporto di serraggio con cilindro idraulico **DOPPIO EFFETTO**
Clamping support with hydraulic cylinder **DOUBLE EFFECT**

Cod.	2.27.1D100	2.27.1D200	2.27.1D300	2.27.1D400	2.27.1D500	2.27.1D600
Corsa Stroke	20	33			40	

Art. 283

Supporto di serraggio per cilindro idraulico
Clamping support for hydraulic cylinder



Cod.	2.28.31000	2.28.32000	2.28.33000	2.28.34000	2.28.35000	2.28.36000

Art. 285

Cilindro idraulico a semplice effetto.
Serraggio idraulico e apertura meccanica
Hydraulic cylinder single acting.
Hydraulic clamping and mechanical opening



Pressione **MAX** **MAX** pressure	450 bar - 6525 psi			
Ø Pistone Ø Piston	20	30		36
Area effettiva (cm2) effective area (cm2)	3,14	7,07		10,17
Cod.	2.28.51000	2.28.52000	2.28.53000	2.28.55000
Corsa Stroke	32	26		40

Art. 569

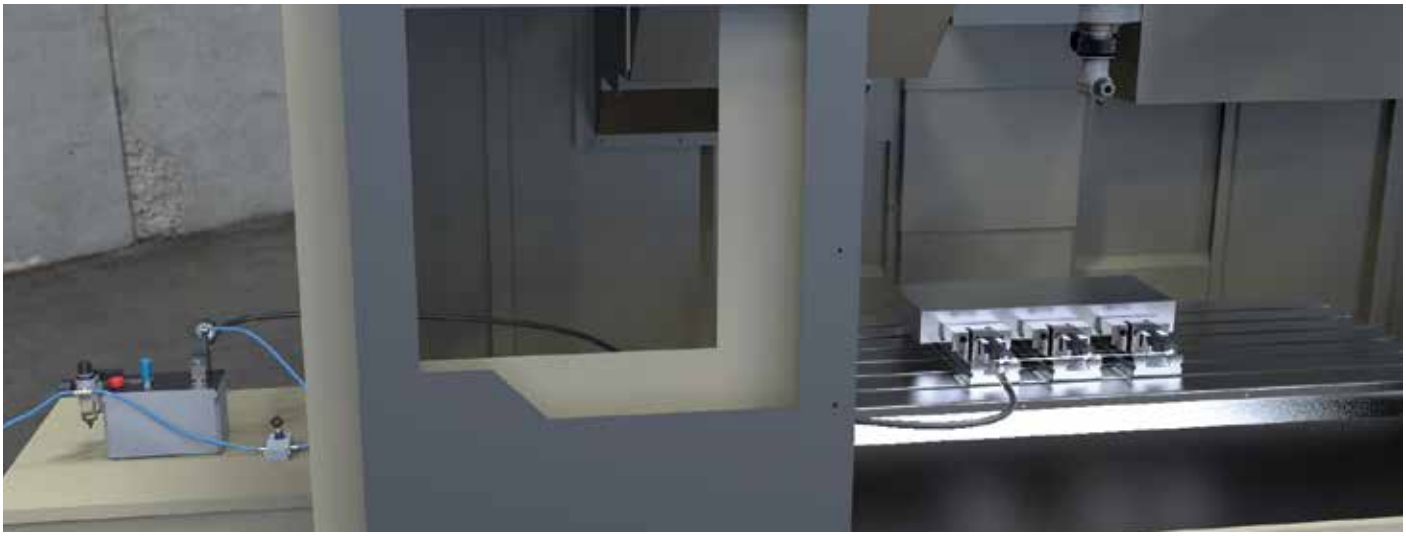
Cilindro idraulico a doppio effetto.
Apertura e chiusura idrauliche
Hydraulic cylinder double acting.
Hydraulic opening and clamping



Specifico per sistemi robotizzati - Specific for robotic applications

Pressione **MAX** **MAX** pressure	450 bar - 6525 psi			
Ø Pistone Ø Piston	20	30		32
Area effettiva (cm2) effective area (cm2)	3,14	7,07		8,04
Cod.	1.56.91000	1.56.92000	1.56.93000	1.56.95000
Corsa Stroke	20	33		40

Esempi di applicazione / Typical arrangements

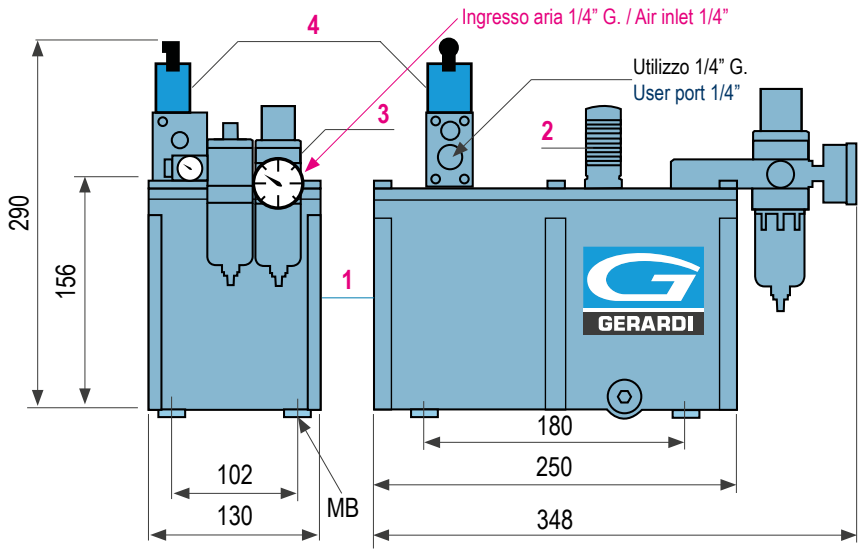


Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli Pneumoidraulici (Serie StandardMatic)
Precision Modular vises matchable for gang operations and pneumohydraulic clamping (StandardMatic series)

SERRAGGIO IDRAULICO
HYDRAULIC CLAMPING

La centralina per serraggi idraulici ed i suoi derivati, nasce per soddisfare tutte le esigenze connesse all'azionamento di cilindri oleodinamici ove sia richiesta bassa portata ed elevate pressioni. La particolare forma costruttiva della centralina permette di ottenere, in ingombri estremamente contenuti, un impianto di elevate prestazioni. L'elemento pompante utilizzato consente, grazie ai particolari criteri costruttivi, di collocare la centralina in ambienti altamente ostili come, per esempio, l'area di lavoro di macchine utensili. L'esclusivo sistema modulare di controllo del flusso idraulico permette di comandare separatamente, con una sola unità, fino a sei utilizzi distinti.

The hydropneumatic power unit for hydraulic clamping devices and its bi-products are designed to meet all needs regarding the powering of hydraulic cylinders where low flow rates and hight pressures are required. The special design shape of the power unit is such that a high performance system can be implemented taking up very little space. Thanks to the special design priciples, the pump section adopted allows the hydropneumatic power unit to be installed in very hostile environments, such as the work area of machine tools, etc. The unique modular hydraulic flow control system allows controlling up to 6 separate users from just the one power unit.



CARATTERISTICHE TECNICHE

SPECIFICATION

Centralina tipo / Power unit type **450** T 2/3/4

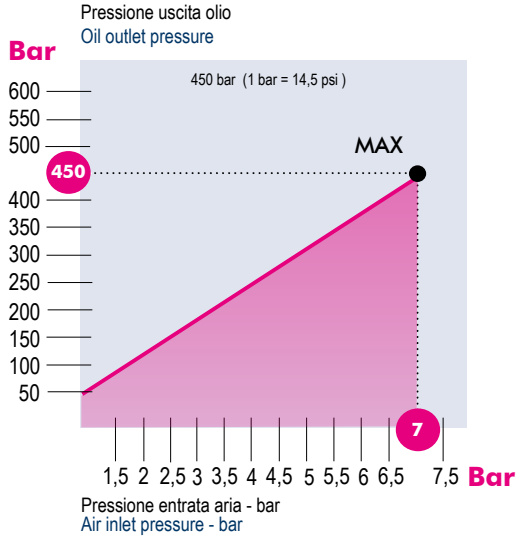
Pressione massima aria: Max permissible air pressure:	7 bar
Pressione aria consigliata: Recommended air pressure:	5,5 bar
Tipo di olio raccomandato: idraulico Recommended grade of oil: hydraulic	68 CSt
Portata Deliveries	0,9 l / min
Capacità serbatoio Tank capacity	3 l
Delta massimo su pilotaggi elettrici: Max delta on electric pilot section:	+ 10% - 5%
Pressione minima su pilotaggio pneumatico: Minimum pressure on pneumatic control:	5 bar
Pressione massima consentita per eventuale pilotaggio elettroidraulico: Max pressure for elettrohydraulic control:	150 bar
Numero massimo consigliato di utilizzi: Max permissible air pressure	4

La pompa nella versione base viene fornita completa di:

- serbatoio in teflon **1**
- tappo di carica
- silenziatore **2**
- attacco di alimentazione aria del tipo ad innesto rapido D8 **3**
- un blocco di comando oleodinamico **4**

The pump in its basic version is supplied complete with:

- teflon tank **1**
- fill plug
- silencer **2**
- quick acting air connector fitting type D8 **3**
- hydraulic control block **4**



4

Diagrammi di serraggio / *Clamping diagrams*

StandardMatic

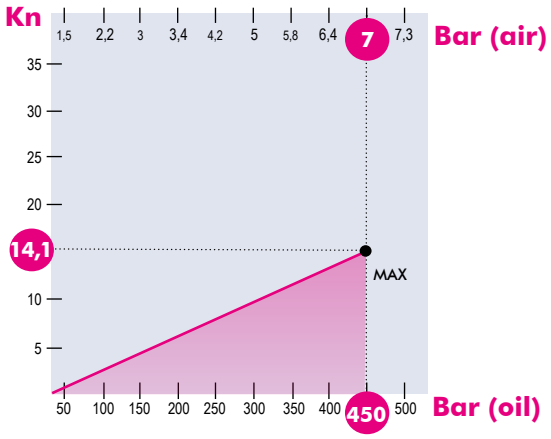
Diagrammi di serraggio pneumoidraulici ed elettroidraulici

Diagram pneumo-hydraulic and electro-hydraulic clamping

Morse tipo *Vises type* 1

Cilindro idraulico Art. 285 - 569 Ø interno 20 mm - Superficie efficace 3,14 cm²

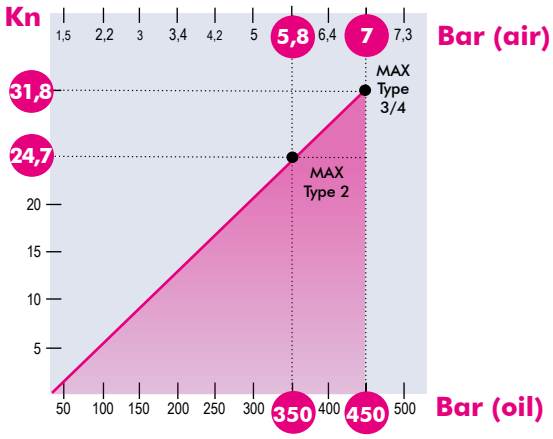
Hydraulic cylinder Art. 285 - 569 Cylinder I.D. 20 mm - Effective area 3,14 cm²



Morse tipo *Vises type* 2-3-4

Cilindro idraulico Art. 285 - 569 Ø interno 30 mm - Superficie efficace 7,07 cm²

Hydraulic cylinder Art. 285 - 569 Cylinder I.D. 30 mm - Effective area 7,07 cm²



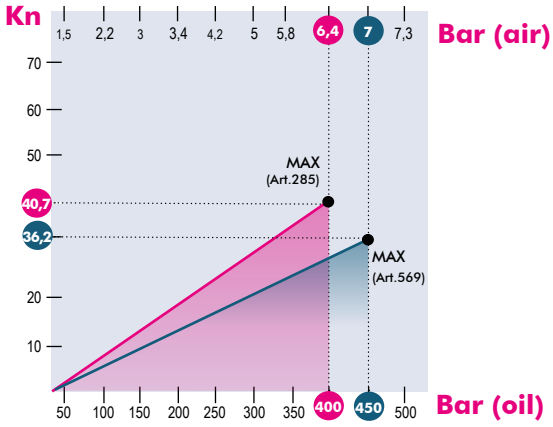
Morse tipo *Vises type* 5-6

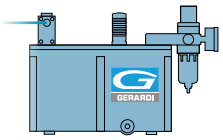
Cilindro idraulico Art. 285 Ø interno 36 mm - Superficie efficace 10,17 cm²

Cilindro idraulico Art. 569 Ø interno 32 mm - Superficie efficace 8,04 cm²

Hydraulic cylinder Art. 285 Cylinder I.D. 36 mm - Effective area 10,17 cm²

Hydraulic cylinder Art. 569 Cylinder I.D. 32 mm - Effective area 8,04 cm²





Art. 393

Art. 393D

Serraggi tramite gruppi di comando pneumatici e idraulici

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), provviste di vari dispositivi di bloccaggio pneumoidraulici ed elettroidraulici, in funzione della pressione dei fluidi (aria e olio). Con centralina pneumoidraulica **(Max pressione 450bar)**

Clamping through pneumo-hydraulic and hydraulic clamping devices

The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) when equipped with pneumo-hydraulic and electro-hydraulic blocking devices, as a function of the fluid pressure (air or oil). With pneumo-hydraulic power unit (**Max pressure 450bar**)

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico

Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.



GERARDI

5

Single, Double
or Self-centering!

FMS

Morse e Cubi / *Vises & Vise Towers*

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827A	60
828A	60
829A	52
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831	59
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833	59
834	59
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836	60
837	60
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863E	16
863F	16
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865	20
865D	20
865E	20
865F	20
866	24
866D	24
866E	24
866F	24
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867D	28
867E	28
867F	28
868	32
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VALIGETTA DI CAMPIONATURA FMS (Art.860)
FMS SAMPLE KIT CASE (Art.860)

NEW

Art.860 T.1x300



Art. 983

Valigetta di campionatura morsa Art.860 T.1x300
Sample kit case Art.860 T.1x300 vise

Cod.	0.98.30000
PRICE LIST €	
SPECIAL PRICE €	

All'Interno - Inside:

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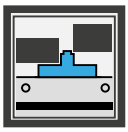
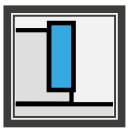
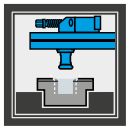
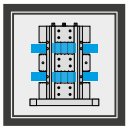
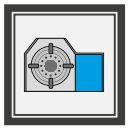
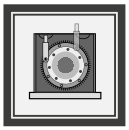
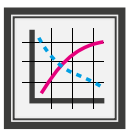
SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

5

GANASCE JAWS			 Piane Straights	 A gradino With step	 Oscillanti Floating	 Oscillanti con inserti regolabili Floating with inserts adjustable	 Prismatiche Prismatic
PIASTRE GANASCE JAW PLATES			 Discendente Pull down	 Piana Straight	 Cambio rapido manuale Quick manual change	 GRIP GRIP	 Inserti GRIP Inserti GRIP
POSSIBILITÀ POSSIBILITY				 Predisposizione Zero Point Zero Point Ready	 Cubi-morsa Vise tower	 Divisore Automatico Automatic dividing head	 Divisore Meccanico Mechanical dividing head
PAGINE PAGES			 Lavorazioni a 5 assi 5 axis machining	 Accessori & Ricambi Accessories & Spare Parts	 Istruzioni corretto utilizzo Instruction for a proper use	 Diagrammi forze di serraggio Clamping force diagrams	 Sistema Idraulico Hydraulic System

Morse e cubi morsa / *Vises & vise-towers*

FMS *SERIES*

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

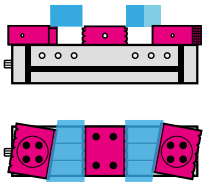
Un sistema modulare flessibile con centinaia di ganasce disponibili

A Flexible modular system with hundreads of jaws available

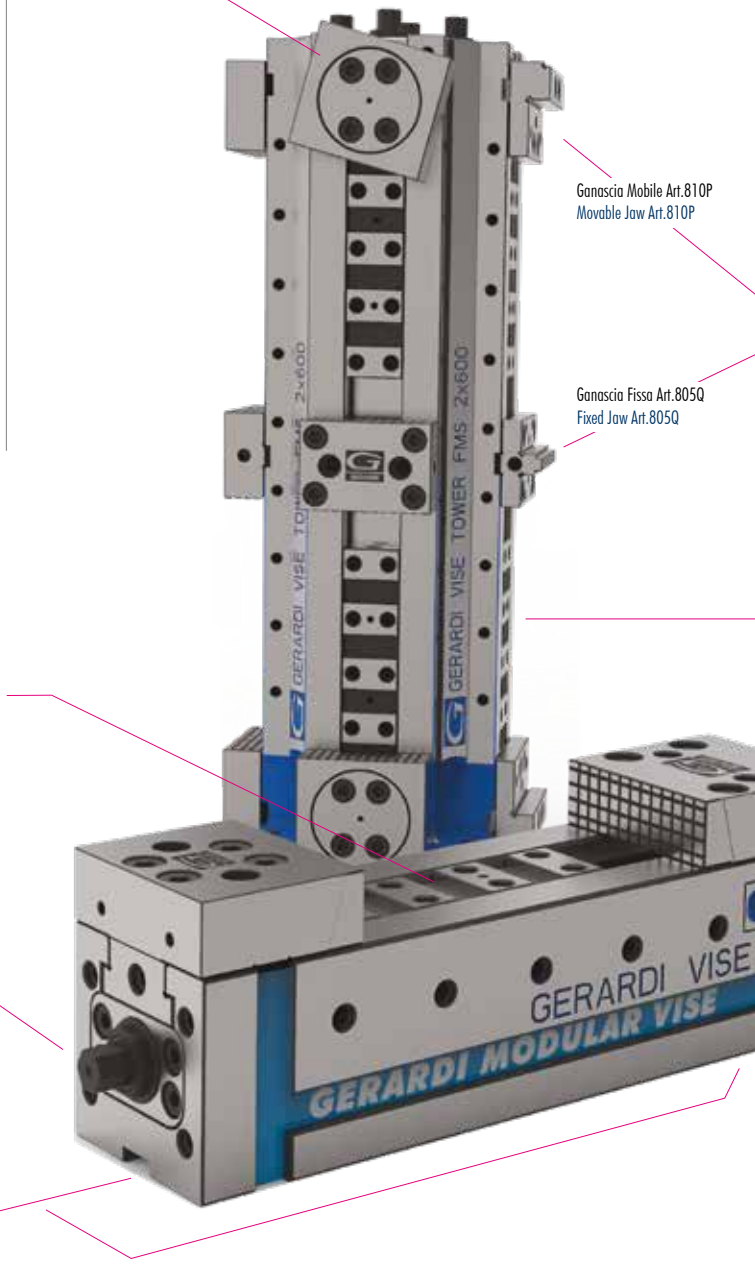
ESTREMA VERSATILITÀ / *EXTREME VERSATILITY*

• 3 posizioni per la ganascia fissa; • Serraggio dall'esterno all'interno e viceversa; • Posizionamento verticale-orizzontale-laterale; • Collegamento: fianco a fianco, dorso a dorso, fianco a dorso; • Possibilità illimitata per ganasce speciali; • Sostituzione semplice e precisa delle ganasce; • Elemento di prolunga per pezzi fuori misura; • Sistema di serraggio meccanico, idraulico, pneumatico elettrico o con moltiplicatore di potenza, tramite comando manuale, a pedale o mediante pulsante elettrico (vedi pag. 12); • Costruzione solida e compatta e massima apertura rispetto alla sua lunghezza; • Flessioni praticamente ridotte di due volte rispetto alle precedenti morse modulari standard; • Accurata ripetibilità di posizionamento del pezzo da lavorare; • Precisioni geometriche con tolleranze entro 0,02 mm; • Protezione integrale dalla penetrazione di corpi estranei tramite piastre scorrevoli; • Possibilità di trasformazione di ogni morsa singola in morsa autocentrante o in morsa doppia tramite la semplice sostituzione delle ganasce sul corpo base universale. (ESEMPI APPLICATIVI A PAGINA 5.76).

• 3 positions for the fixed jaw; • Outside to inside clamping and viceversa; • Vertically, horizontally and sideway vise positioning; • Side to side, back to back and back to side vise positioning; • Unlimited special jaws; • Simple and precise exchange of jaws; • Extension element for extra-long pieces; • Mechanic, hydraulic or pneumatic or electrical clamping system or with pressure multiplier, through manual, pedal or push botton board control (see page 12); • Space saving design, solid construction and maximum blocking ratio to total lenght; • Deflection reduced two times with respect to the STANDARD modular vises; • Very accurate repetability of workpiece position; • Geometrical accuracy with tollerances within 0,02 mm; • Integral protection from chips and dirty through sliding protection; • Possibility to trasform each single vise in a self-centering vise with possibility to block from outside to inside and vice versa and in a double vise through the simple substitution of the jaws on the universal vise body base.
(APPLICATION EXAMPLES ON PAGE 5.76)



Ganasce Mobili Oscillanti
per serraggio di pezzi irregolari
Floating Movable Jaws
for irregular workpieces





Vite a doppio filetto e slitte guidate
Double thread spindle & guided slides

Vite principale (completamente protetta) con filetto destro e sinistro e slitte lunghe quanto il corpo base e guida con più chiavette per ganasce mobili

Completely protected main spindle with left and right thread and slides long as the vise base with multiple movable jaw positions



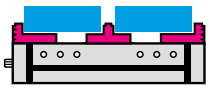
Chiavette di Posizionamento
Positioning Keyways

Chiavette longitudinali e trasversali sia sulla base per posizionamento orizzontale, che in testa per posizionamento verticale

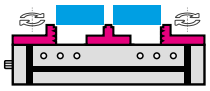
Longitudinal and cross keyways both on the base bottom surface for horizontal positioning and on the side for vertical positioning

Nata espressamente per i centri di lavoro, la gamma FMS permette ottimizzazioni di serraggio con riferimenti precisi in spazi contenuti, usure inesistenti e rigidità impensabile (spessore della base raddoppiato), possibilità di bloccare più pezzi contemporaneamente con l'ausilio di sistemi meccanici, pneumatici, elettrici o idraulici. Tutte sono disponibili/predisposte sia per piazzamenti verticali che orizzontali. Serraggi di qualsiasi lunghezza. La caratteristica (Brevettata) che meglio contraddistingue questa serie di morse consiste nella possibilità di trasformare ogni morsa singola (cioè adibita al serraggio di un singolo pezzo) in una morsa autocentrante con bloccaggio concentrico dall'esterno all'interno e viceversa e in morsa doppia tramite la semplice sostituzione delle ganasce sul corpo base universale. Tutto ciò ne suggerisce l'impiego in situazioni produttive caratterizzate da lotti di pezzi estremamente diversi fra loro riducendo tempi di set-up e garantendo un'accurata ripetibilità di posizionamento e quindi di precisione migliorando l'efficienza globale del sistema produttivo.

Born to be dedicated to machining centres, FMS series of vises allow workholdings with perfect alignment in a space saving design, extremely high wear resistence, with deflection reduced 2 times in respect to the STD modular vises (base thickness doubled), possibility to clamp more pieces simultaneously with mechanic, hydraulic pneumatic or electric devices. You can use them both for vertical and horizontal clamping without any price charge. Grip any work lenght. The feature (Pathented) which identifies this line of vises consists in the possibility to trasform each single vise (1 piece clamping) in a self-centering vise with possibility to block from outside to inside and viceversa and in a double vise through the simple substitution of the jaws on the universal vise body base. All that suggests their use in the production of lots of highly different pieces reducing set-up times and assuring very accurate repetability of workpiece position and precision, increasing the global efficiency of the production process.



Serraggio particolare su gradino grande
Workpiece clamping on the large step



Serraggio particolare su gradino piccolo
Workpiece clamping on the small step





Riconfigurazione Rapidissima
Quickest Vise Resetting

Ganasce con piastre discendenti a cambio rapido manuale

Pull down jaw plates with comb system (quick hand change)

Singole, Doppie o Autocentranti !

Single, Double or Self-centering !



3 Morse in Una
3 Vises in One

Possibilità di trasformare ogni morsa singola in una morsa autocentrante con bloccaggio concentrico dall'esterno all'interno e viceversa e in morsa doppia tramite la semplice sostituzione delle ganasce sul corpo base universale.

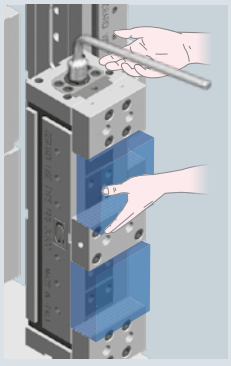
Possibility to trasform each single vise in a self-centering vise with possibility to block from outside to inside and viceversa and in a double vise through the simple substitution of the jaws on the universal vise body base



Altissima Rigidità
Highest Rigidity

Base della morsa con una sezione doppia per garantire una maggiore rigidità. Flessioni ridotte di due volte rispetto alle normali morse modulari standard. Disponibili cubi monoblocco.

Higher vise base in order to guarantee a better rigidity. Bending reduced two times with respect to the Standard modular vises. Available solid vise towers.



Sistema a terza mano
Third Hand service

Consente il carico e serraggio lieve del primo pezzo mentre le frattempo viene caricato il secondo di dimensione maggiore. Molto utile con l'utilizzo verticale della morsa

It allows the first workpiece loaded to be clamped lightly while the second workpiece is being loaded. Such device is useful especially with the vise vertically positioned.

Staffe di ancoraggio / *Vise holding clamps*

NEW 2021

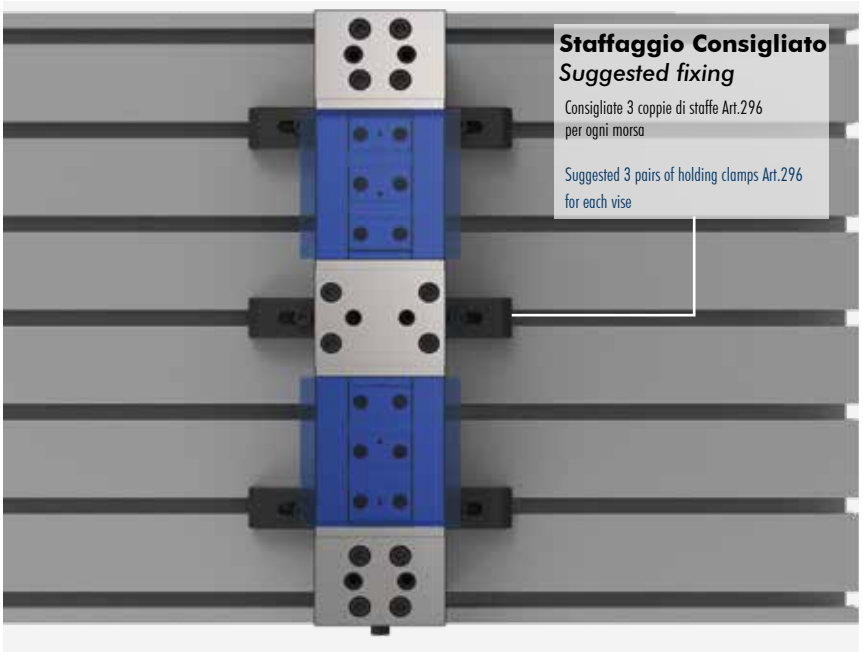
FMS

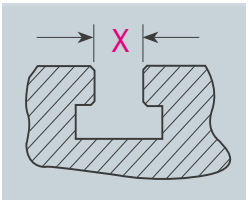
Coppia staffe di fissaggio Art.296, complete di vite e dado a "T"

Pair of vise holding clamps Art.296 complete of screw and "T" nuts

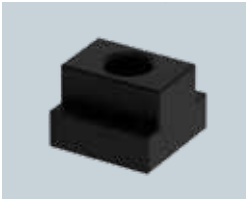
Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm
Oppure con codice: 2.29.6300 X=18mm

Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm
Also with code: 2.29.6300 X=18mm

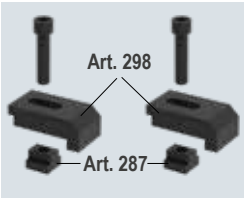




Cava a T
T Slot
Specificare sempre la cava della vostra macchina
Always specify the machine T-slot dimension

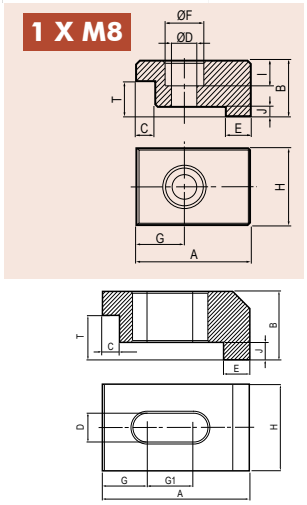


Art.287 (Pag.4.34)
Dadi a T - *T Nuts*
Per fissaggio morse alle cave a T della macchina
For vise clamping on the machine T-slots



Art.296
(Art.298 + Art.287)
Consigliate 3 coppie di staffe Art.296 per ogni morsa
Suggested 3 pairs of holding clamps Art.296 for each vise

Tipo (grandezza) Type (size)		1				1								2 - 3							4 - 5 - 6						
Art. 296 Coppia di staffe Holding clamps pair	Cava a T slot X	12	14	16	18	12*	14	16	16	18	20	18*	20	22	16	18	20	22	18*	20	22	16	18	20	22	18*	20	22
	T-nuts Ref. N°	8	9	10	11	12	13	14	20	21	22	32	39	40	20	21	22	23	32	39	40	20	21	22	23	32	39	40
	Filetto vite Screw thread	M8				M10			M12 *			M16			M12 *				M16			M12				M16 *		
1 X M8	A	50				50			50			50			76				76			86				86		
	B	24				24			24			24			30				30			40				40		
	C	6				6			6			6			6				6			10				10		
	Ø D	8,5				11			13			17			13				17			13				17		
	E	10				10			10			10			13				13			15				15		
	Ø F	14				-			-			-			-				-			-				-		
	G / G1	14				16/15			17,5/13			19/9			17/22				16/15			26/27				26/27		
	H	34				34			34			34			42				42			50				50		
	I	8				10			10			10			-				-			-				-		
	J	4				4			4			4			10				10			10				10		
	T ± 0,1	15				15			15			15			20				20			26				26		
	Cod.	2.29.61000 / M8				2.29.61000 / M10			2.29.61000 / M12			2.29.61000 / M16			2.29.63000 / M12				2.29.63000 / M12			2.29.65000 / M12				2.29.65000 / M16		



* *Scelta consigliata - Suggested choice*

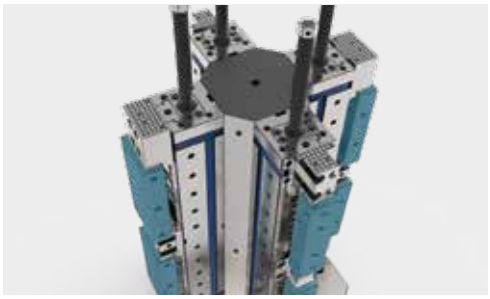
* *Scelta NON consigliata - NO Suggested choice*

Soluzioni personalizzate / *Customized solutions*

FMS

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

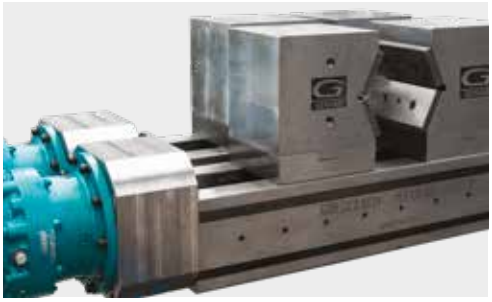


Morse FMS automatizzate in verticale

FMS vises automated vertically mounted

Gestione automatica di morse meccaniche grazie alla predisposizione per connessione con il robot. Lavorazioni del particolare su 3 lati con un unico serraggio evitando il riposizionamento ed una seconda ripresa del particolare da lavorare.

Automated machine setting thanks to the pre-fitting with robot connection. Workpiece machining on 3 sides with one clamping and so avoiding re-positioning and a second machining of the workpiece.

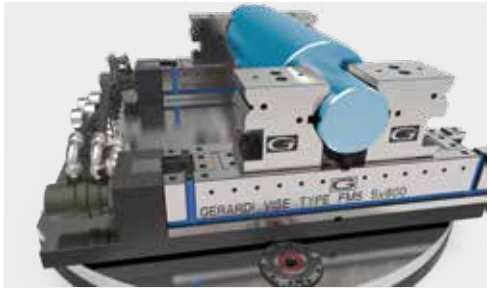


Morsa FMS con riduttore epicicloidale

FMS vise with epicyclic force reducer

Riduttore epicicloidale il quale consente di moltiplicare notevolmente la coppia sviluppata dal motore idraulico consentendo di arrivare a elevate forze di serraggio , fino a 480 kN

Epicyclic force reducer able to multiply greatly the torque generated by the hydraulic engine reaching a very high clamping force, maximum 480kN.



Serraggio automatico di grandi particolari tondi

Round workpieces automatic clamping

Sistema di serraggio meccanico con morse FMS per il serraggio di particolari tondi di grandi dimensioni controllato tramite centralina idraulica da CNC

Quick positioning and clamping with FMS vises of whole equipment on round Zero Point plate through pull-studs and centering pin.



Non solo per centri a 5 assi

Not only for 5th axis machines

Morsa autocentrante FMS su centro di lavoro verticale con ganasce personalizzate in alluminio.

Self Centering FMS vise with taylor made jaws aluminum mounted on Vertical CNC



Morse FMS in verticale con robot

FMS vises vertically mounted + robot

Assieme di morse FMS montate verticalmente su centro orizzontale gestite tramite robot anche per carico e scarico pezzi

FMS vises vertically mounted on horizontal machining center.
Both vise clamping and workpieces turnover are operated through automated robotic system.

TRE MORSE IN UNA
THREE VISES IN ONE

Acquista il modulo base universale. Una soluzione aperta per il lavoro di oggi pensando a quello di domani !

Buy the base body. A Versatile solution for present and future machining !

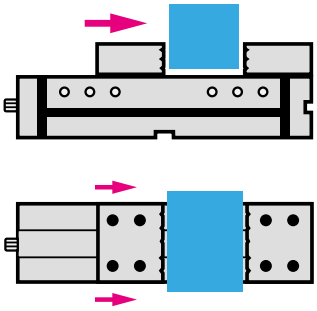
CORPO BASE Art.855
BASE BODY Art.855

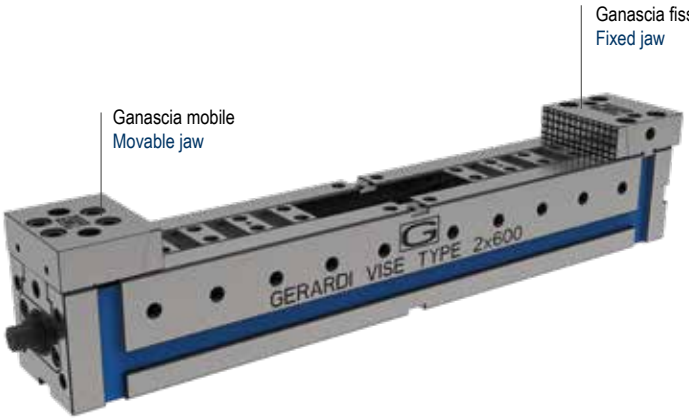
Modulo base universale
CENTINAIA DI GANASCE DISPONIBILI !!

Universal vise body module
HUNDREDS OF JAWS AVAILABLE !!

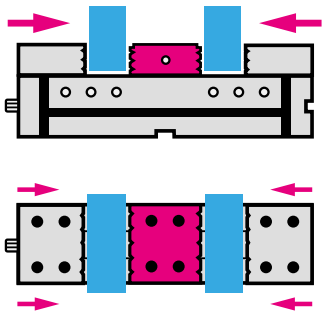


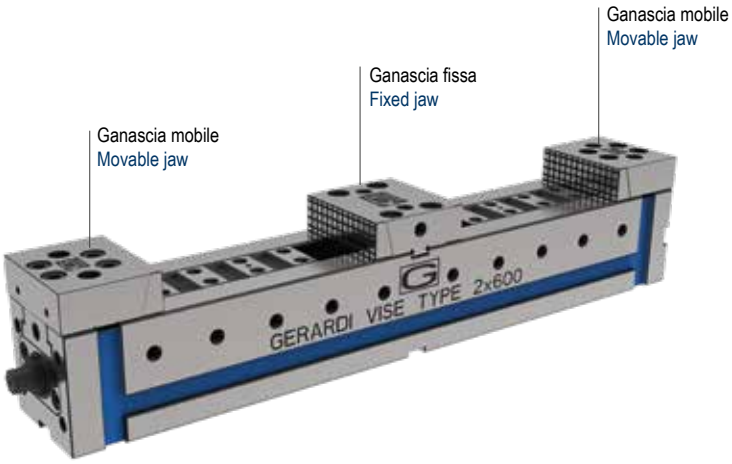
SERRAGGI SINGOLI
SINGLE CLAMPING



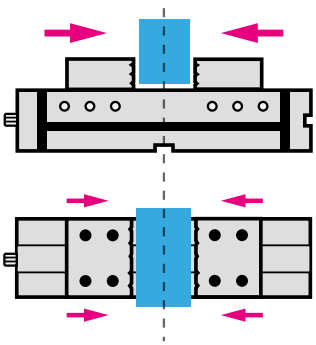


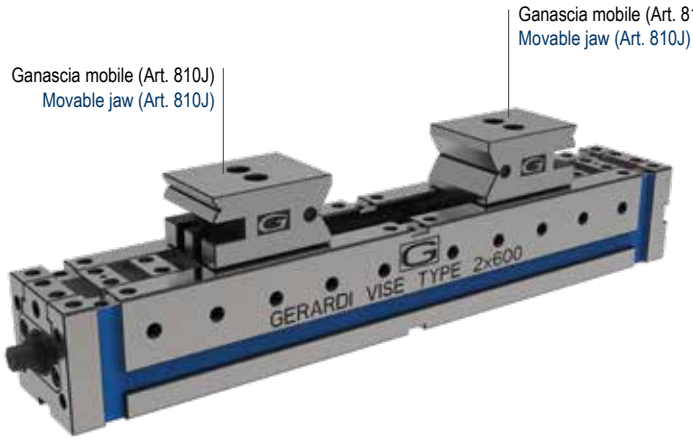
SERRAGGI DOPPI
DOUBLE CLAMPING



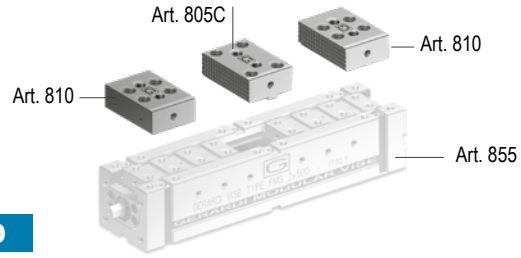


AUTOCENTRANTE
SELF-CENTERING

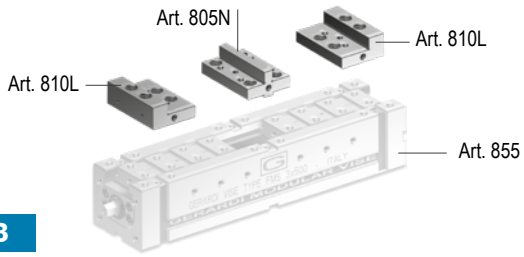




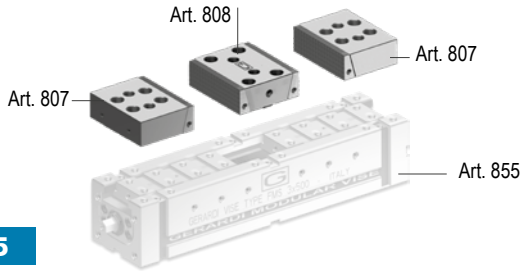
VERSIONI PER BLOCCAGGI DOPPI
DOUBLE CLAMPING CONFIGURATION



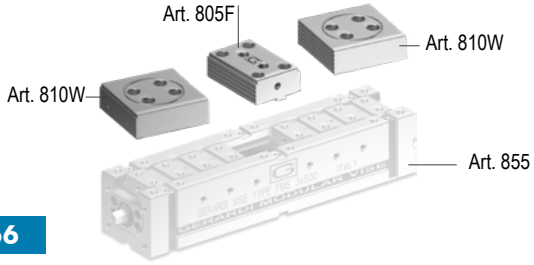
Art. 860



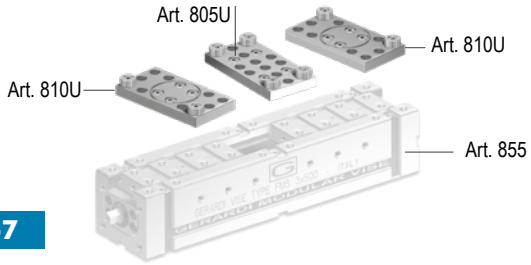
Art. 863



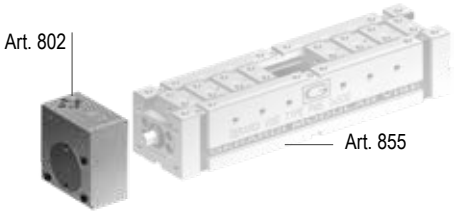
Art. 865



Art. 866

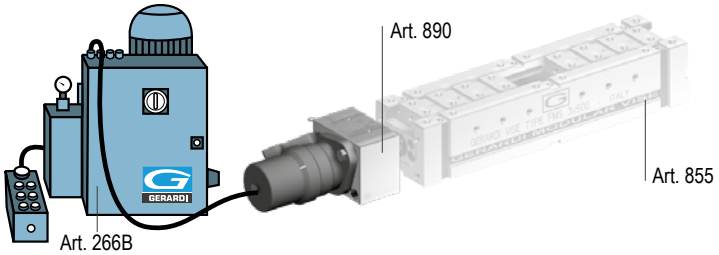


Art. 867



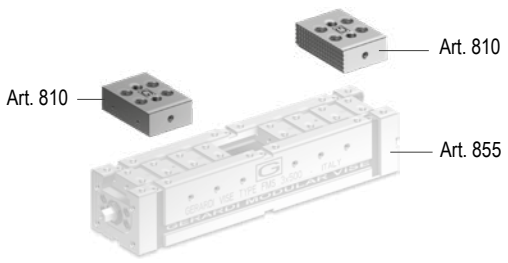
(Art. 855 + 802)

Art. 855D

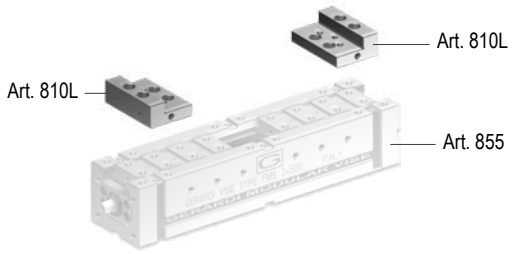


Art. 855F (Art. 855 + 890 + 266B)

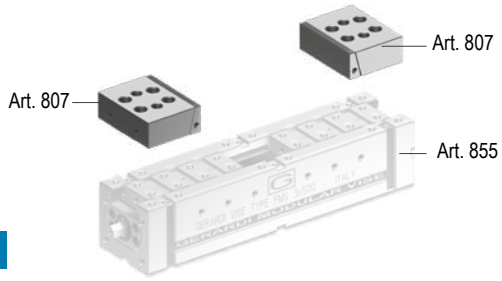
VERSIONI AUTOCENTRANTI
SELF-CENTERING TYPE



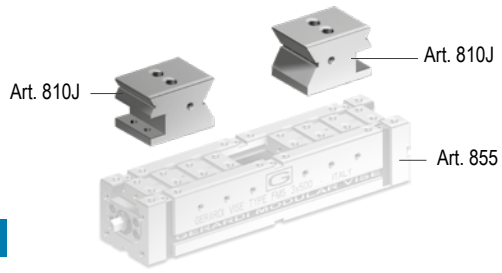
Art. 860



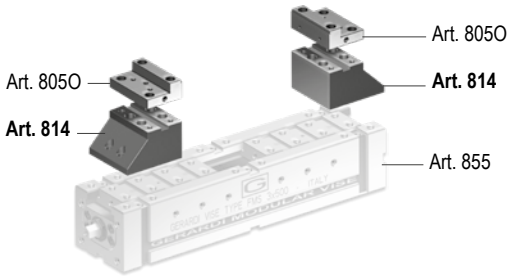
Art. 863



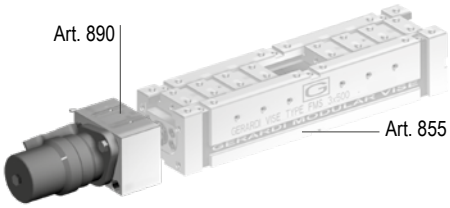
Art. 865



Art. 870

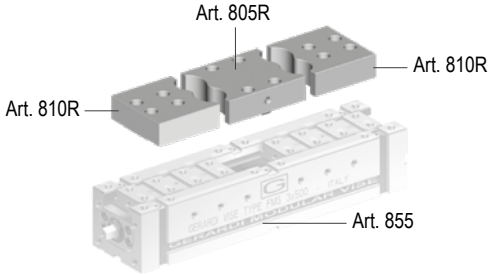


Art. 868



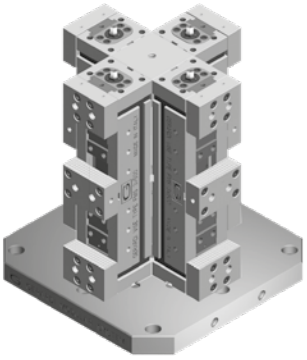
(Art. 855 + 890)

Art. 855E



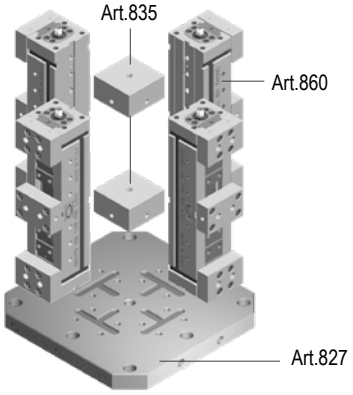
5

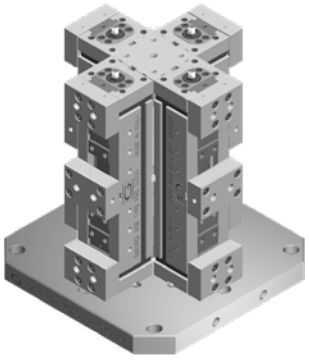
CUBI DI MORSE MONTATI A CROCE O DORSO A DORSO
VISE TOWERS CROSS OR BACK TO BACK MOUNTED



N° 4 MORSE FMS
montate a croce su piastra base (Art. 827A)
con distanziali (Art. 835)

N° 4 FMS VISES
cross-mounted on base plate (Art. 827A)
with spacers (Art. 835)



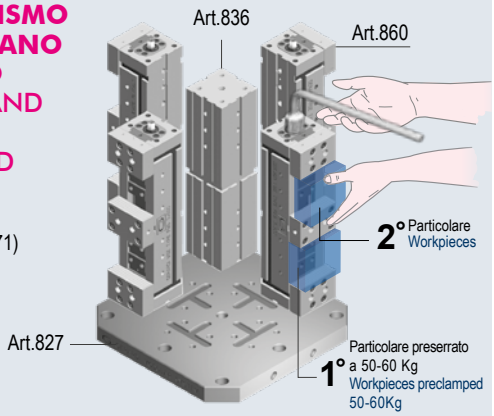


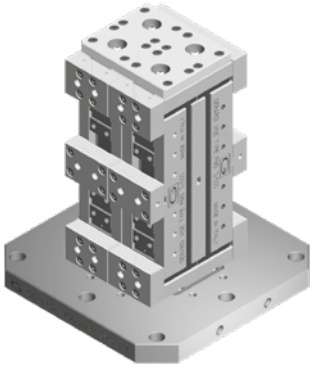
N° 4 MORSE FMS
montate a croce su piastra base (Art. 827A)
con supporto centrale (Art.836)

N° 4 FMS VISES
cross-mounted on base plate (Art.827A)
with center support (Art.836)

MECCANISMO TERZA MANO INCLUSO
THIRD HAND DEVICE INCLUDED

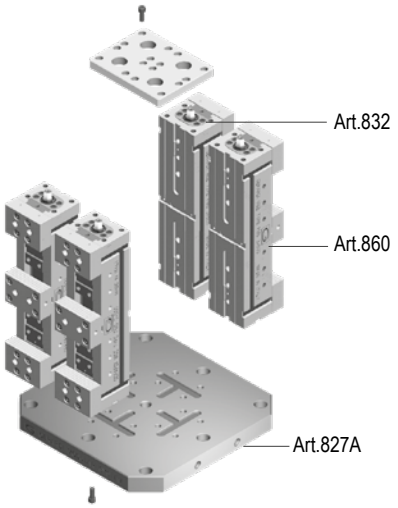
Art.850P
(Pag - Page 5.71)

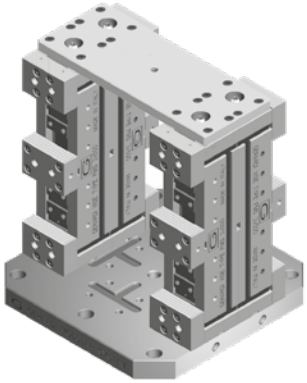




N° 4 MORSE FMS
montate dorso a dorso, fianco a fianco, su piastra base
(Art. 827) con piastra di collegamento (Art. 832)

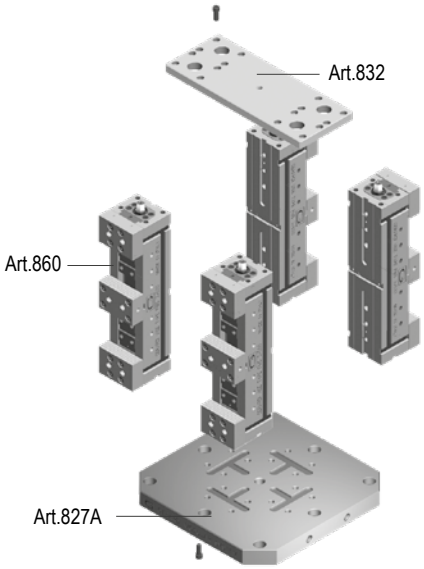
N° 4 FMS VISES
cross-mounted back-to-back,side by side, on base
plate (Art. 827) with connecting plate (Art. 832)





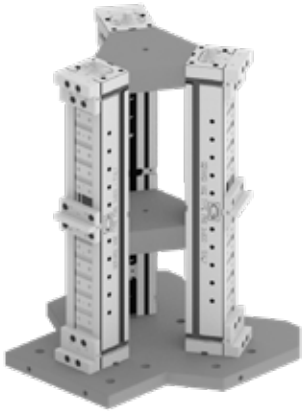
N° 4 MORSE FMS
montate dorso a dorso, su piastra base
(Art. 827A) con piastra di collegamento (Art. 832)

N° 4 FMS VISES
cross-mounted back-to-back,on base plate
(Art. 827A) with connecting plate (Art. 832)



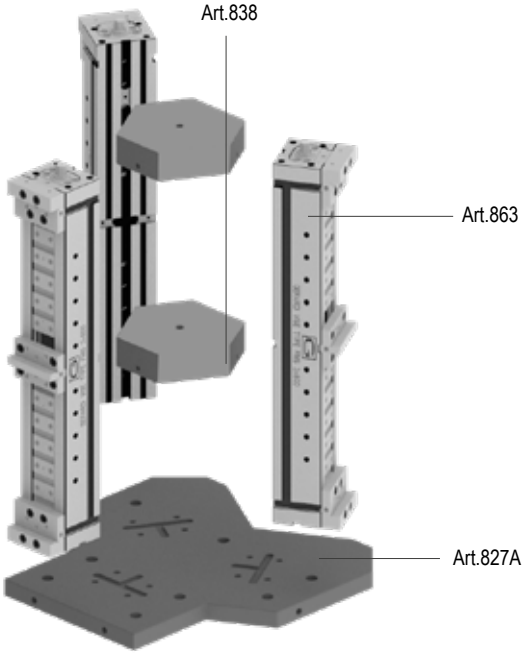
Montaggio ed allineamento morsa con distanziali, supporto centrale o piastra di collegamento
Vise and alignement mounted with spacers, center support or connecting plate

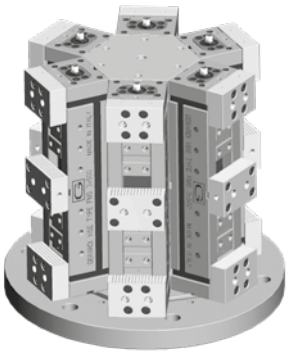
CUBI DI MORSE MONTATI VERTICALMENTE
VISE TOWERS VERTICALLY ASSEMBLED



N° 3 morse FMS
montate verticalmente su piastra base a Y (827A)
con supporto centrale (Art. 838)

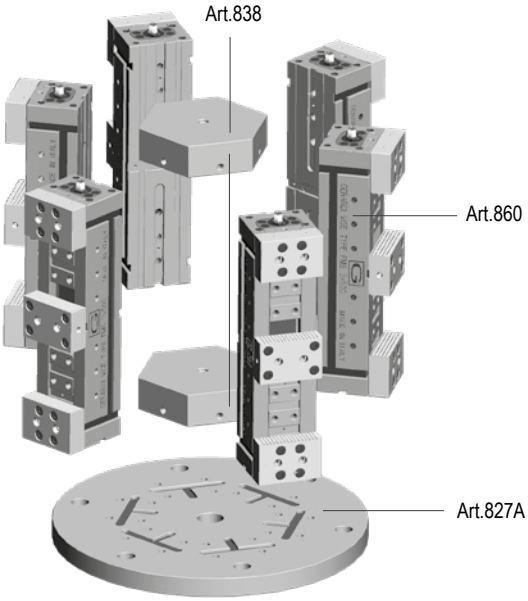
N° 3 FMS vises
vises vertically mounted on Y base plate (827A)
with exagon center support (Art. 838)

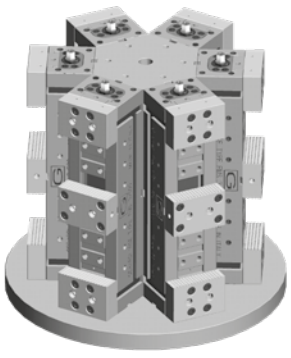




N° 6 morse FMS
montate verticalmente su piastra base (Art. 827A)
con distanziali esagonali (Art. 838)

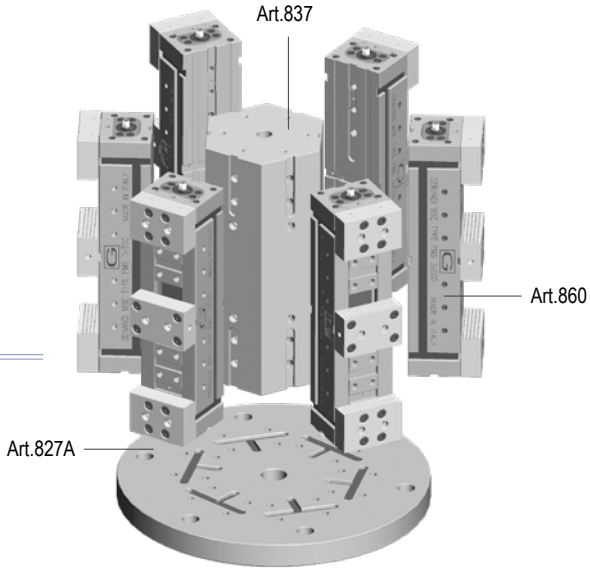
N° 6 FMS vises
vises vertically mounted on base plate (Art. 827A)
with exagon spacer (Art. 838)





N° 6 morse FMS montate verticalmente
su piastra base (Art. 827A)
con supporto centrale (Art. 837)

N° 6 FMS vises vertically mounted
on base plate (Art. 827A) with exagon
center support (Art. 837)



Montaggio ed allineamento morsa con distanziali, supporto centrale o piastra di collegamento
Vise and alignement mounted with spacers, center support or connecting plate

5

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
	kN	25 kN		25 kN				30 kN	
Apertura massima fra le slitte / Maximum opening between slides	A	56	68	96	116	136	156	136	136
Art. 855	C	70		90				100	
Modulo base universale	D	200 + 32	300 + 32	300	400	500	600	400	500
CENTINAIA DI GANASCE DISPONIBILI !!	E	249	349	320	420	520	620	425	525
	G	75		95				125	
	R	74		94				124	
	S	69		89				99	
	T	72	116	102	142	182	222	132	182
	Y	277	377	360	460	560	660	470	570
	X	389	483	537	637	737	837	637	737
	kg	7	10	18	25	32	39	40	45
	Cod.	5.85.51200	5.85.51300	5.85.52300	5.85.52400	5.85.52500	5.85.52600	5.85.53400	5.85.53500



Universal vise body module
HUNDREDS OF JAWS AVAILABLE !!

Art. 855D



(Art. 855 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.85.5D120	5.85.5D130	5.85.5D230	5.85.5D240	5.85.5D250	5.85.5D260	5.85.5D340	5.85.5D350

Art. 802

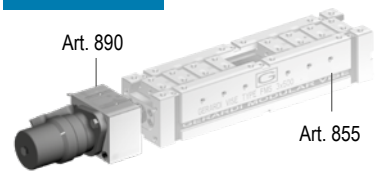


Moltiplicatore di coppia con rinvio angolare - Mechanical with torque multiplier with angular transmission

Chiave dinamometrica Art.357 **(Inclusa)** - Torque wrench Art.357 **(Included)**

Cod.	5.80.21000	5.80.22000	5.80.23000

Art. 855E

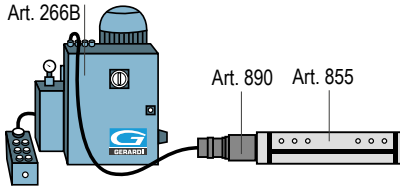


(Art. 855 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.85.5E120	5.85.5E130	5.85.5E230	5.85.5E240	5.85.5E250	5.85.5E260	5.85.5E340	5.85.5E350

Meccanica con predisposizione elettroidraulicacompleta di motore, piastra, boccola e finecorsa

Art. 855F

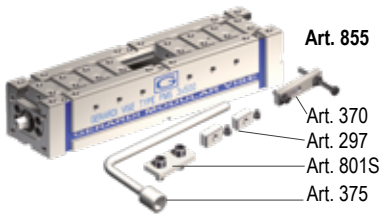


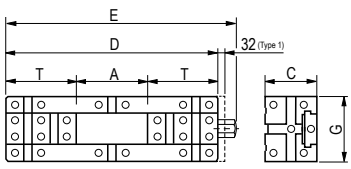
(Art. 855 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.85.5F120	5.85.5F130	5.85.5F230	5.85.5F240	5.85.5F250	5.85.5F260	5.85.5F340	5.85.5F350

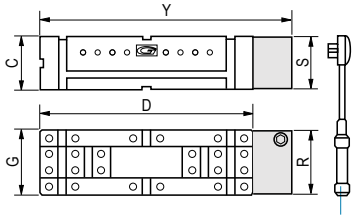
Meccanica elettroidraulica completa di centralina idraulica apparecchiatura elettrica con pulsantiera

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S



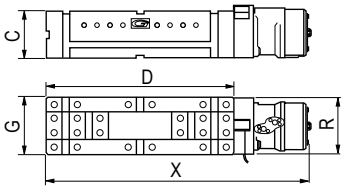


Art. 855

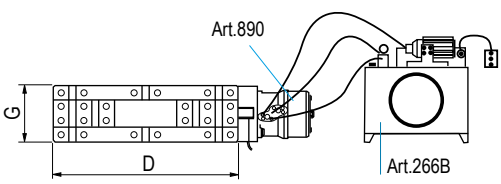


Art. 855D

Art.357 **(Incluso)**
Art.357 **(Included)**



Art. 855E



Art. 855F

Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S

	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	136	136	136	188	168	148	128	152	216	252	316	280	244
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G		125			145				170			190	
R		124			144				169			189	
S		99			119				139			159	
T	232	282	332	156	216	276	336	174	242	274	242	310	378
Y	670	770	870	570	670	770	870	-	-	-	-	-	-
X	837	937	1037	737	837	937	1037	837	937	1037	1037	1137	1237
kg	50	55	60	66	72	80	88	115	125	135	170	190	210
Cod.	5.85.53600	5.85.53700	5.85.53800	5.85.54500	5.85.54600	5.85.54700	5.85.54800	5.85.55600	5.85.55700	5.85.55800	5.85.56800	5.85.56900	5.85.56100

Art. 855D

(Art. 855 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.85.5D360	5.85.5D370	5.85.5D380	5.85.5D450	5.85.5D460	5.85.5D470	5.85.5D480	5.85.5D560	5.85.5D570	5.85.5D580	5.85.5D680	5.85.5D690	5.85.5D610

Art. 802

Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 855E

(Art. 855 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.85.5E360	5.85.5E370	5.85.5E380	5.85.5E450	5.85.5E460	5.85.5E470	5.85.5E480	5.85.5E560	5.85.5E570	5.85.5E580	5.85.5E680	5.85.5E690	5.85.5E610

Mechanical with prepared hydraulic connection complete with motor plate,bushing and proximity switch

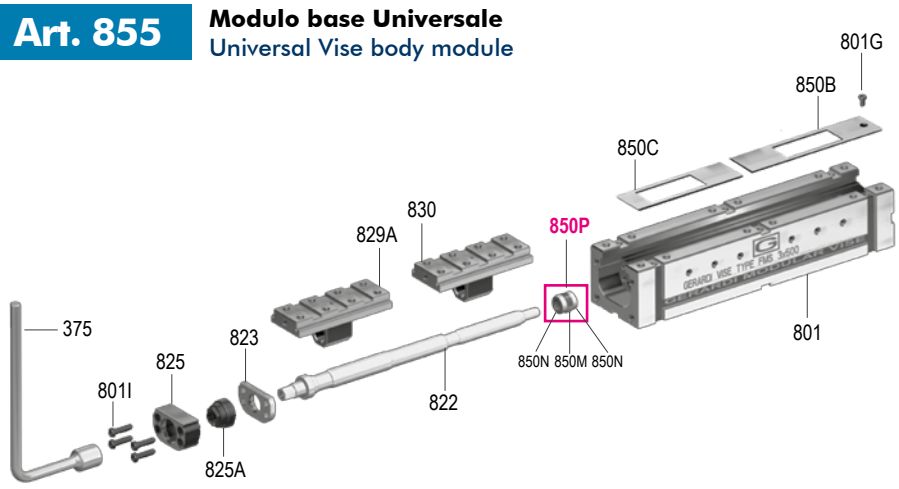
Art. 855F

(Art. 855 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.85.5F360	5.85.5F370	5.85.5F380	5.85.5F450	5.85.5F460	5.85.5F470	5.85.5F480	5.85.5F560	5.85.5F570	5.85.5F580	5.85.5F680	5.85.5F690	5.85.5F610

Mechanical with elettrohydraulicpower-pack ready to work

Art. 855 Modulo base Universale
Universal Vise body module



Art.	Pag.
375	4.35
801	5.50
801G	5.61
801I	5.61
822	5.53
823	5.59
825	5.59
825A	5.61
829A	5.52
830	5.52
850B	5.61

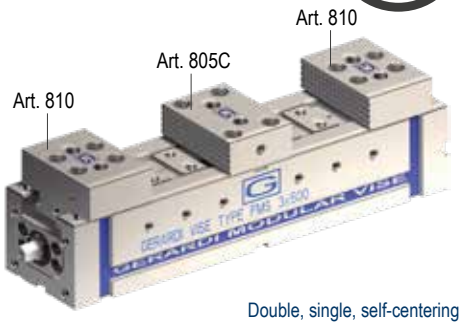
Art.	Pag.
850C	5.61
850P	5.72
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
	kN	25 kN		25 kN				30 kN	
Apertura massima / Maximum opening	A	2 x 16	2 x 66	2 x 54	2 x 104	2 x 154	2 x 204	2 x 74	2 x 124
	B	25		30				40	
	C	70		90				100	
	D	232	332	300	400	500	600	400	500
	E	249	349	320	420	520	620	425	525
	G	75		95				125	
	J	56		64				84	
	W	74		94				124	
	kg	9	12	22	29	35	42	44	49
	Cod.	5.86.01200	5.86.01300	5.86.02300	5.86.02400	5.86.02500	5.86.02600	5.86.03400	5.86.03500

Art. 860

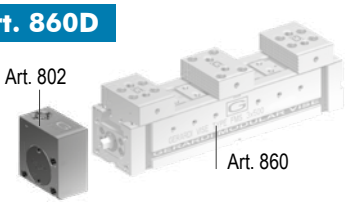
Morsa **FMS** doppia, singola, autocentrante con ganasce zigrinate





Double, single, self-centering **FMS** vise with serrated jaws

Art. 860D



(Art. 860 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.0D120	5.86.0D130	5.86.0D230	5.86.0D240	5.86.0D250	5.86.0D260	5.86.0D340	5.86.0D350

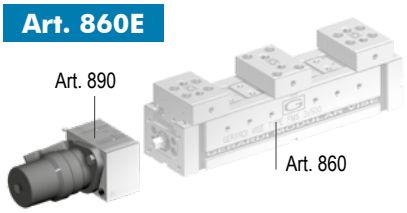
Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

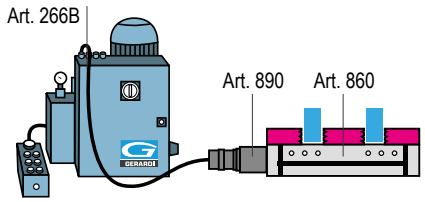
Art. 860E



(Art. 860 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.0E120	5.86.0E130	5.86.0E230	5.86.0E240	5.86.0E250	5.86.0E260	5.86.0E340	5.86.0E350

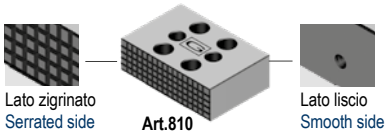
Art. 860F

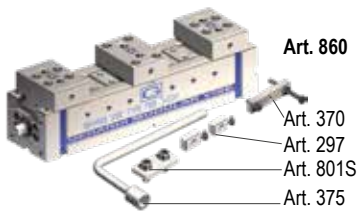


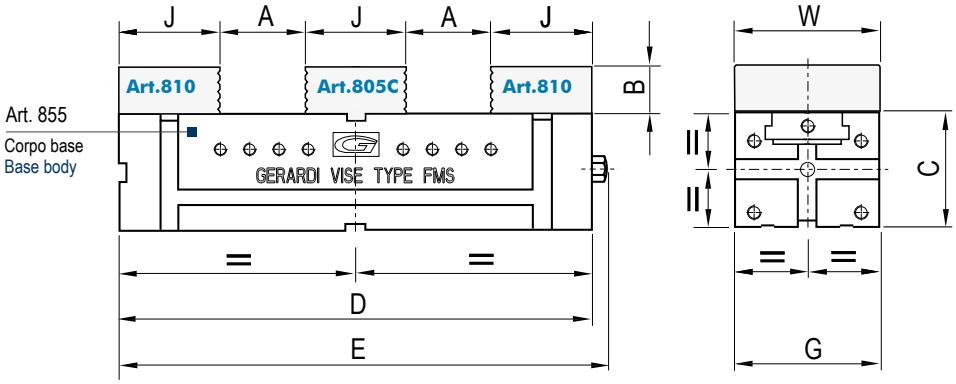
(Art. 860 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.86.0F120	5.86.0F130	5.86.0F230	5.86.0F240	5.86.0F250	5.86.0F260	5.86.0F340	5.86.0F350

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S







Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S

	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	2 x 174	2 x 224	2 x 274	2 x 103	2 x 153	2 x 203	2 x 253	2 x 138	2 x 188	2 x 238	2 x 238	2 x 288	2 x 338
B		40			50				60			60	
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G		125			145				170			190	
J		84			98				108			108	
W		124			144				169			189	
kg	54	59	64	71	79	88	96	130	140	150	210	230	250
Cod.	5.86.03600	5.86.03700	5.86.03800	5.86.04500	5.86.04600	5.86.04700	5.86.04800	5.86.05600	5.86.05700	5.86.05800	5.86.06800	5.86.06900	5.86.06100

Art. 860D

(Art. 860 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.0D360	5.86.0D370	5.86.0D380	5.86.0D450	5.86.0D460	5.86.0D470	5.86.0D480	5.86.0D560	5.86.0D570	5.86.0D580	5.86.0D680	5.86.0D690	5.86.0D610

Art. 802

Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 860E

(Art. 860 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.0E360	5.86.0E370	5.86.0E380	5.86.0E450	5.86.0E460	5.86.0E470	5.86.0E480	5.86.0E560	5.86.0E570	5.86.0E580	5.86.0E680	5.86.0E690	5.86.0E610

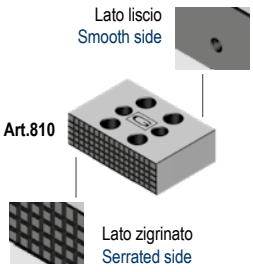
Art. 860F

(Art. 860 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

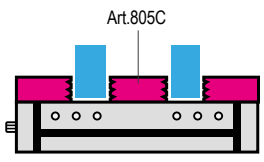
Cod.	5.86.0F360	5.86.0F370	5.86.0F380	5.86.0F450	5.86.0F460	5.86.0F470	5.86.0F480	5.86.0F560	5.86.0F570	5.86.0F580	5.86.0F680	5.86.0F690	5.86.0F610

Art. 860

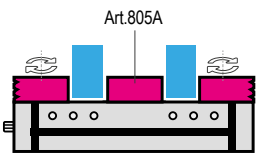
Esempi applicativi ganasce:
Jaw application examples:



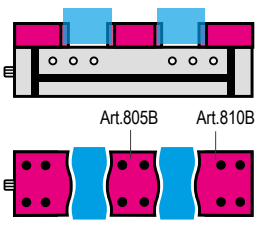
Ganascia Mobile reversibile
Reverible movable jaw



Ganascia Zigrinata Art.805C
Serrated Jaw Art.805C



Ganascia Liscia Art.805A
Smooth Jaw Art.805A



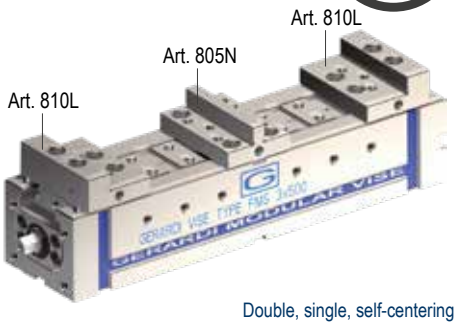
Ganasce Lavorabil Art.805B + Art.810B
Soft Jaws Art.805B + Art.810B

Art.	Pag.
810	5.56
805C	5.54
805A	5.54
805B	5.54
810B	5.56

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
	kN	25 kN		25 kN				30 kN	
Apertura massima / Maximum opening	A	2 x 60	2 x 110	2 x 118	2 x 168	2 x 218	2 x 268	2 x 162	2 x 212
	B	25			30			40	
	C	70			90			100	
	D	232	332	300	400	500	600	400	500
	E	249	349	320	420	520	620	425	525
	G	75			95			125	
	J	56			64			84	
	J1	22			24			30	
	J2	16			16			16	
	W	74			94			124	
	kg	8	11	20	27	33	40	40	45
	Cod.	5.86.31200	5.86.31300	5.86.32300	5.86.32400	5.86.32500	5.86.32600	5.86.33400	5.86.33500

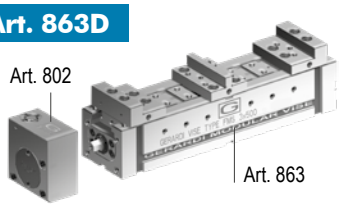
Art. 863

Morsa **FMS** doppia, singola, autocentrante con ganasce a gradino



Double, single, self-centering **FMS** vise with step jaws

Art. 863D



(Art. 863 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.3D120	5.86.3D130	5.86.3D230	5.86.3D240	5.86.3D250	5.86.3D260	5.86.3D340	5.86.3D350

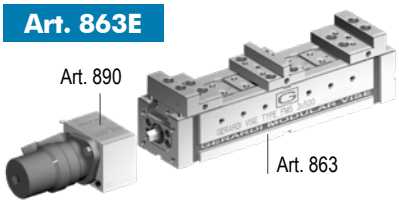
Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

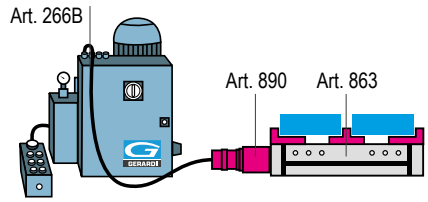
Art. 863E



(Art. 863 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.3E120	5.86.3E130	5.86.3E230	5.86.3E240	5.86.3E250	5.86.3E260	5.86.3E340	5.86.3E350

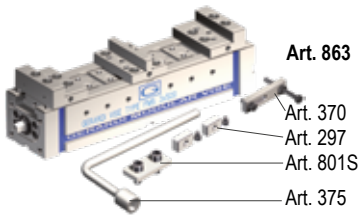
Art. 863F



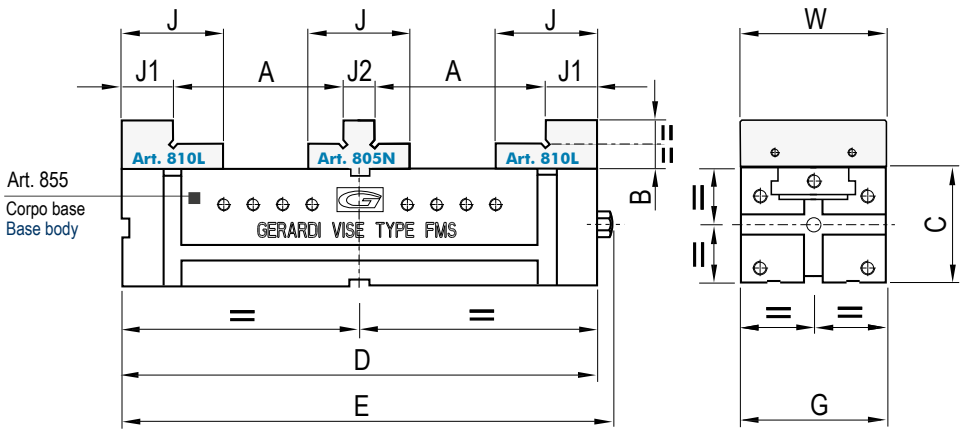
(Art. 863 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.86.3F120	5.86.3F130	5.86.3F230	5.86.3F240	5.86.3F250	5.86.3F260	5.86.3F340	5.86.3F350

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S



Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	2 x 262	2 x 312	2 x 362	2 x 204	2 x 254	2 x 304	2 x 354	2 x 254	2 x 304	2 x 354	2 x 354	2 x 404	2 x 454
B		40			50				60			60	
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G		125			145				170			190	
J		84			98				108			108	
J1		30			38				38			38	
J2		16			16				16			16	
W		124			144				169			189	
kg	50	55	60	68	76	85	93	124	134	144	200	220	240
Cod.	5.86.33600	5.86.33700	5.86.33800	5.86.34500	5.86.34600	5.86.34700	5.86.34800	5.86.35600	5.86.35700	5.86.35800	5.86.36800	5.86.36900	5.86.36100

Art. 863D
(Art. 863 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.3D360	5.86.3D370	5.86.3D380	5.86.3D450	5.86.3D460	5.86.3D470	5.86.3D480	5.86.3D560	5.86.3D570	5.86.3D580	5.86.3D680	5.86.3D690	5.86.3D610

Art. 802
Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

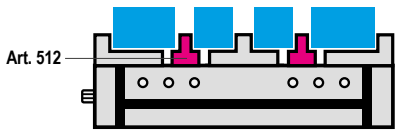
Art. 863E
(Art. 863 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.3E360	5.86.3E370	5.86.3E380	5.86.3E450	5.86.3E460	5.86.3E470	5.86.3E480	5.86.3E560	5.86.3E570	5.86.3E580	5.86.3E680	5.86.3E690	5.86.3E610

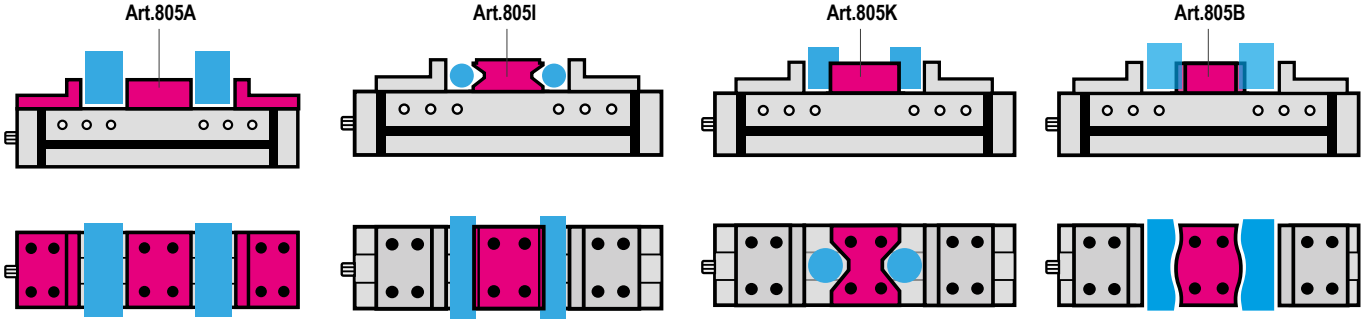
Art. 863F
(Art. 863 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.86.3F360	5.86.3F370	5.86.3F380	5.86.3F450	5.86.3F460	5.86.3F470	5.86.3F480	5.86.3F560	5.86.3F570	5.86.3F580	5.86.3F680	5.86.3F690	5.86.3F610

Art. 863
Esempi applicativi ganasce:
Jaw application examples:



Serraggio simultaneo di 4 pezzi con ganascia intermedia
4 Workpieces simultaneous clamping with intermediate jaw



Ganasce liscie per fissaggio centrale
Smooth jaws for central fixed

Ganascia primatica orizzontale per fissaggio centrale
Horizontal prismatic jaws for central fixed

Ganascia prismatica verticale per fissaggio centrale
Vertical prismatic jaw for central fixed

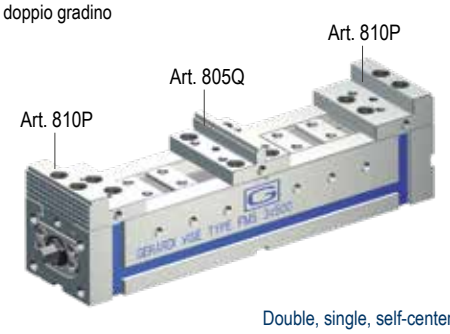
Ganascia lavorabile per fissaggio centrale
Soft jaws for central fixed

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
	kN	25 kN		25 kN				30 kN	
Apertura massima / Maximum opening	A	2 x 32	2 x 82	2 x 54	2 x 104	2 x 154	2 x 204	2 x 77	2 x 127
	A1	2 x 84	2 x 134	2 x 118	2 x 168	2 x 218	2 x 268	2 x 162	2 x 212
	B	25		30				40	
	C	70		90				100	
	D	232	332	300	400	500	600	400	500
	E	249	349	320	420	520	620	425	525
	G	75		95				125	
	J	56		64				84	
	J1	24		24				30	
	J2	16		16				16	
	W	74		94				124	
	kg	8	11	20	27	33	40	40	45
	Cod.	5.86.41200	5.86.41300	5.86.42300	5.86.42400	5.86.42500	5.86.42600	5.86.43400	5.86.43500

Art. 864

NEW

Morsa **FMS** doppia, singola, autocentrante con ganasce a doppio gradino



Double, single, self-centering **FMS** vise with double step jaws

Art. 805F

Ganascia fissa con doppio gradino 3x5 LISCIA

Fixed jaw with double 3x5 step SMOOTH



Cod.	5.80.5F100	5.80.5F200	5.80.5F300

Art. 805G

Ganascia fissa con doppio gradino 3x5 ZIGRINATA

Fixed jaw with double 3x5 step SERRATED



Cod.	5.80.5G100	5.80.5G200	5.80.5G300

Art. 810O

Ganascia mobile con gradino piccolo e grande

Movable jaw with small and large step

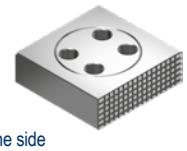


Cod.	5.81.0O100	5.81.0O200	5.81.0O300

Art. 810X

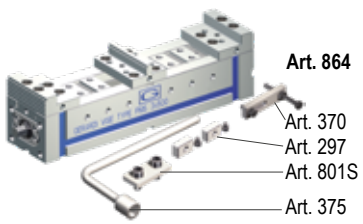
Ganascia mobile oscillante con gradino 3x5 zigrinata da un lato con albero a gradino (**Art. 810Z**)

Floating movable jaw with 3x5 step one side serrated with step block pin (**Art. 810Z**)

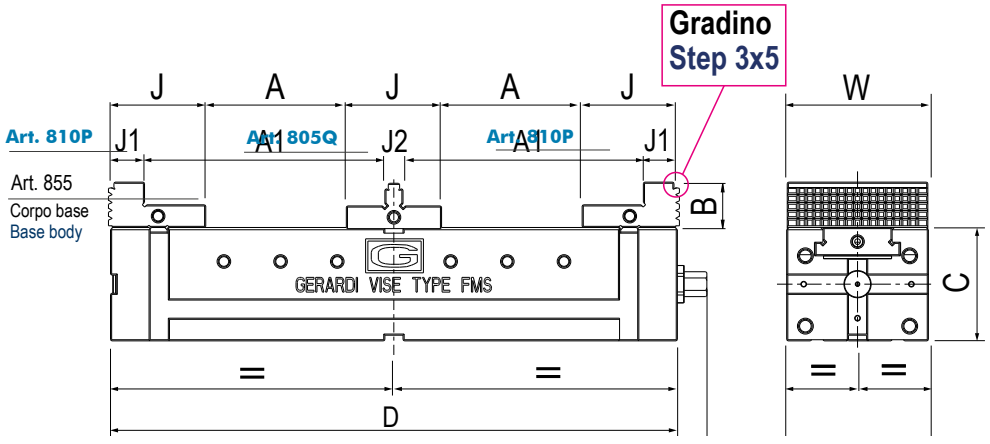


Cod.	5.81.0X100	5.81.0X200	5.81.0X300

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S



Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	2 x 177	2 x 227	2 x 277	2 x 103	2 x 153	2 x 203	2 x 253	2 x 138	2 x 188	2 x 238	2 x 238	2 x 288	2 x 338
A1	2 x 262	2 x 312	2 x 362	2 x 204	2 x 254	2 x 304	2 x 354	2 x 254	2 x 304	2 x 354	2 x 354	2 x 404	2 x 454
B		40			50				60			60	
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G		125			145				170			190	
J		84			98				108			108	
J1		30			38				38			38	
J2		16			16				16			16	
W		124			144				169			189	
kg	50	55	60	68	76	85	93	124	134	144	200	220	240
Cod.	5.86.43600	5.86.43700	5.86.43800	5.86.44500	5.86.44600	5.86.44700	5.86.44800	5.86.45600	5.86.45700	5.86.45800	5.86.46800	5.86.46900	5.86.46100

Art. 805F

Cod.	5.80.5F300	5.80.5F400	5.80.5F500	5.80.5F300

Art. 805G

Cod.	5.80.5G300	5.80.5G400	5.80.5G500	5.80.5G600

Art. 810O

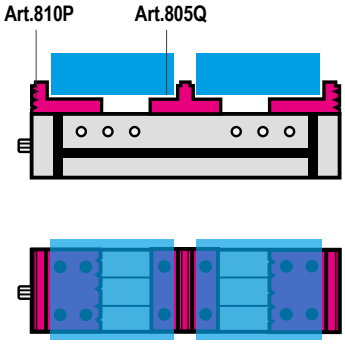
Cod.	5.81.0O300	5.81.0O400	5.81.0O500	5.81.0O600

Art. 810X

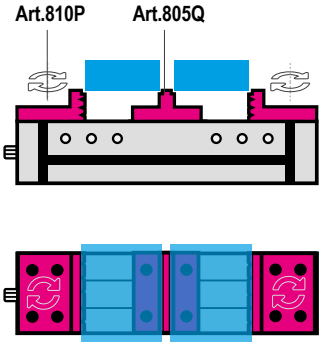
Cod.	5.81.0X300	5.81.0X400	5.81.0X500	5.81.0X600

Art. 864

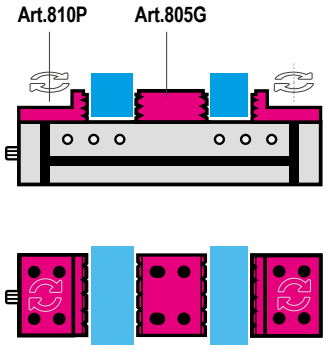
Esempi applicativi ganasce a doppio gradino:
Double step jaw application examples:



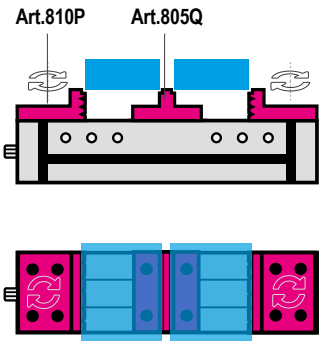
Utilizzo del gradino standard per alzare il particolare rispetto alla base
Use the main step for raising the workpiece



Per utilizzare il 2° gradino (3x5) ruotare le ganasce mobili di 180°
In order to use the second 3x5mm step turn the movable jaw 180°



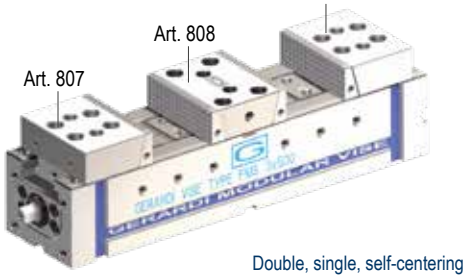
Per sfruttare il lato zigrinato delle ganasce mobili Art.810P sostituisci la ganascia fissa centrale con l'Art.805G
To exploit the serrated side of the movable jaws Art.810P change the fixed central jaw with Art.805G



Tipo (grandezza) morsa / Vise type (size)	kN	1 25 kN	2 25 kN				3 30 kN	
Apertura massima / Maximum opening	A	2 x 52	2 x 30	2 x 80	2 x 130	2 x 180	2 x 46	2 x 96
	B	25	30				40	
	C	70	90				100	
	D	332	300	400	500	600	400	500
	E	349	320	420	520	620	425	525
	G	75	95				125	
	J	63	76				98	
	J1	70	88				111	
	W	74	94				124	
	kg	12	23	30	36	43	46	51
	Cod.	5.86.51300	5.86.52300	5.86.52400	5.86.52500	5.86.52600	5.86.53400	5.86.53500

Art. 865

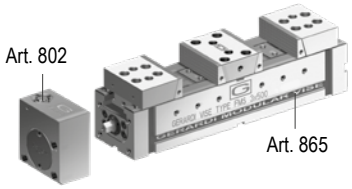
Morsa **FMS** doppia, singola, autocentrante con ganasce a cambio rapido discendente (sistema a pettine)



Double, single, self-centering **FMS** vise with quick change pull down jaws (comb system)

Art. 865D

(Art. 865 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier



Cod.	5.86.5D130	5.86.5D230	5.86.5D240	5.86.5D250	5.86.5D260	5.86.5D340	5.86.5D350

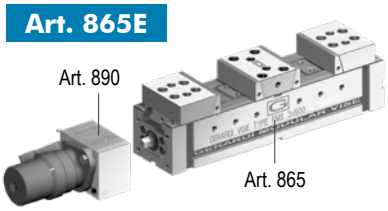
Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

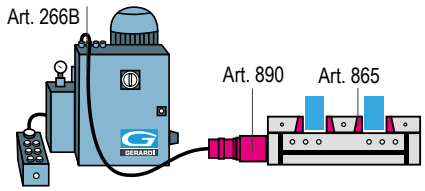
Art. 865E



(Art. 865 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.5E130	5.86.5E230	5.86.5E240	5.86.5E250	5.86.5E260	5.86.5E340	5.86.5E350

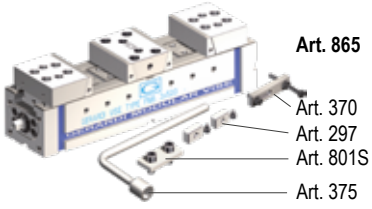
Art. 865F

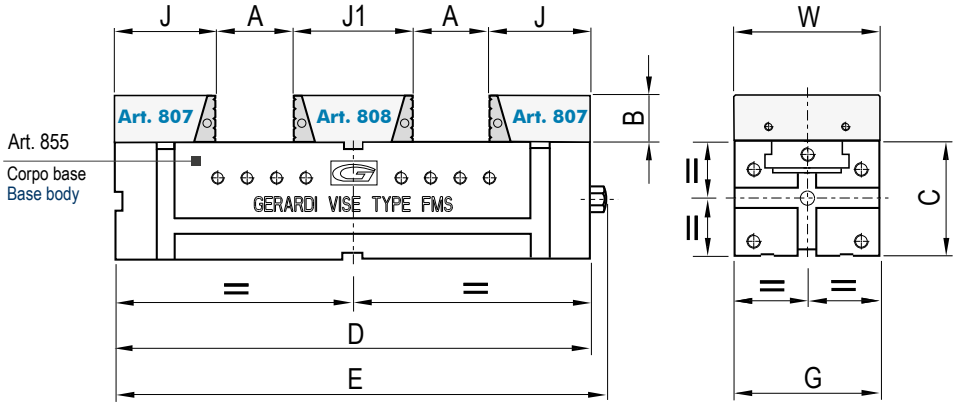


(Art. 865 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.86.5F130	5.86.5F230	5.86.5F240	5.86.5F250	5.86.5F260	5.86.5F340	5.86.5F350

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S





Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S

	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	2 x 146	2 x 196	2 x 246	2 x 65	2 x 115	2 x 165	2 x 215	2 x 90	2 x 140	2 x 190	2 x 216	2 x 256	2 x 316
B	40			50				60			60		
C	100			120				140			160		
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G	125			145				170			190		
J	98			117				132			119		
J1	111			136				155			130		
W	124			144				169			189		
kg	54	59	64	74	82	91	99	134	144	154	215	235	255
Cod.	5.86.53600	5.86.53700	5.86.53800	5.86.54500	5.86.54600	5.86.54700	5.86.54800	5.86.55600	5.86.55700	5.86.55800	5.86.56800	5.86.56900	5.86.56100

Art. 865D

(Art. 865 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.5D360	5.86.5D370	5.86.5D380	5.86.5D450	5.86.5D460	5.86.5D470	5.86.5D480	5.86.5D560	5.86.5D570	5.86.5D580	5.86.5D680	5.86.5D690	5.86.5D610

Art. 802

Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 865E

(Art. 865 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.5E360	5.86.5E370	5.86.5E380	5.86.5E450	5.86.5E460	5.86.5E470	5.86.5E480	5.86.5E560	5.86.5E570	5.86.5E580	5.86.5E680	5.86.5E690	5.86.5E610

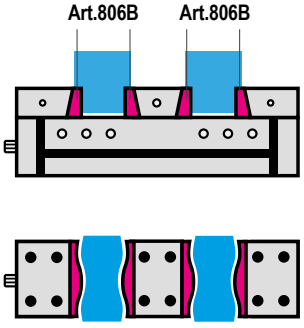
Art. 865F

(Art. 865 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

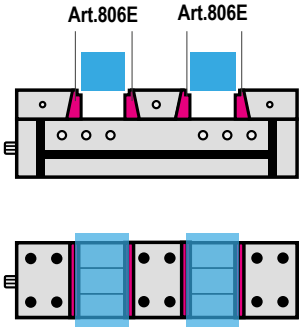
Cod.	5.86.5F360	5.86.5F370	5.86.5F380	5.86.5F450	5.86.5F460	5.86.5F470	5.86.5F480	5.86.5F560	5.86.5F570	5.86.5F580	5.86.5F680	5.86.5F690	5.86.5F610

Art. 865

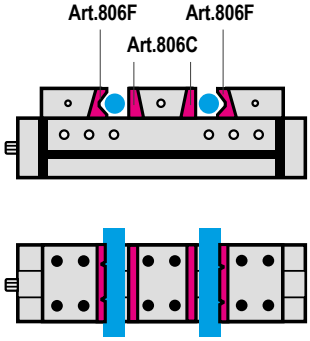
Esempi applicativi piastre ganasce:
Jaw plates application examples:



Piastre ganasce lavorabili Art.806B
Soft machineable Jaw plates Art.806B

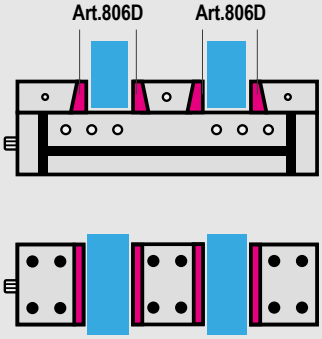


Piastre ganasce a gradino Art.806E
Step jaw plates Art.806E



2 piastre ganasce Art.806F + 2 Art.806C
2 jaw plates Art.806F + 2 Art.806C

Configurazione standard / Standard configuration



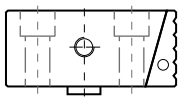
Piastre ganasce zigrinate Art.806D
Serrated jaw plates Art.806D

5

CORPI GANASCE FMS & PIASTRE GANASCE INTERCAMBIABILI RAPIDE
FMS COMB JAW BODIES & QUICK INTERCHANGEABLE JAW PLATES

Tipo (grandezza) / Type (size)	1	2	3	4	5	6

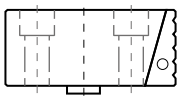
Art. 806*
Ganascia fissa con piastra ganascia zigrinata intercambiabile rapida
Fixed jaw with quick interchangeable serrated jaw plate



Cod.	5.80.61000	5.80.62000	5.80.63000	5.80.64000	5.80.65000	5.80.66000

* Viti per fissaggio a richiesta Fixing screws on request

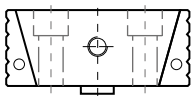
Art. 807*
Ganascia mobile con piastra ganascia zigrinata intercambiabile rapida
Movable jaw with quick interchangeable serrated jaw plate



Cod.	5.80.71000	5.80.72000	5.80.73000	5.80.74000	5.80.75000	5.80.76000

* Viti per fissaggio a richiesta Fixing screws on request

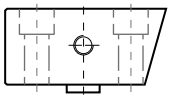
Art. 808*
Ganascia fissa doppia con piastre ganasce zigrinate intercambiabili rapide
Double fixed jaw with quick interchangeable serrated jaw plate



Cod.	5.80.81000	5.80.82000	5.80.83000	5.80.84000	5.80.85000	5.80.86000

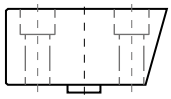
* Viti per fissaggio a richiesta Fixing screws on request

Art. 806A
Corpo ganascia fissa per piastra ganascia intercambiabile rapida
Fixed jaw body for quick interchangeable jaw plate



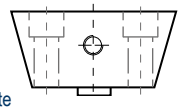
Cod.	5.80.6A100	5.80.6A200	5.80.6A300	5.80.6A400	5.80.6A500	5.80.6A600

Art. 807A
Corpo ganascia mobile per piastra ganascia intercambiabile rapida
Movable jaw body for quick interchangeable jaw plate



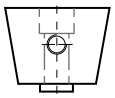
Cod.	5.80.7A100	5.80.7A200	5.80.7A300	5.80.7A400	5.80.7A500	5.80.7A600

Art. 808A
Corpo ganascia fissa doppia per piastre ganasce intercambiabili rapide
Double fixed jaw body for quick interchangeable jaw plate

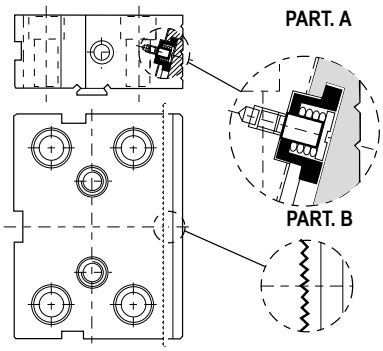


Cod.	5.80.8A100	5.80.8A200	5.80.8A300	5.80.8A400	5.80.8A500	5.80.8A600

Art. 808B
Corpo ganascia fissa doppia ridotta per piastre ganasce intercambiabili rapide
Double fixed jaw body narrow for quick interchangeable jaw plate



Cod.	5.80.8B100	5.80.8B200	5.80.8B300	5.80.8B400	5.80.8B500	5.80.8B600



RAPIDA SOSTITUZIONE DELLE PIASTRE GANASCE DISCENDENTI SENZA BISOGNO DI ALCUN UTENSILE

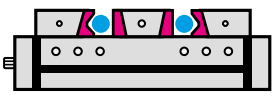
Il nuovo sistema con piastre ganasce intercambiabili, conferisce alla morsa FMS un ulteriore aumento di flessibilità dato dalla rapidità di sostituzione delle piastre ganasce e dalla precisione di riposizionamento.
La rapidità di sostituzione delle piastre ganasce è resa possibile dal nuovo sistema con perno a molla (**PART. A**), mentre le righe prismatiche (**PART. B**) effettuate con mola sagomata sui piani d'appoggio rendono possibile un riposizionamento di elevata precisione. La vasta gamma di piastre ganasce intercambiabili va a soddisfare le più svariate esigenze di lavorazione.

QUICK HAND CHANGE OF PULL- DOWN JAW PLATES - NO TOOLS NEEDED

The new system with quick interchangeable jaw plates, increase the FMS vise flexibility, and feature the quick jaw plates replacement and their high precision repositioning. The quickness of the jaw plates replacement is allowed by the new system of pin with spring (**PART. A**), while the prismatic grooves (**PART. B**), made with shaped grind wheel on the surface plates, allow a perfect repositioning. The wide range of interchangeable jaws plates can satisfy the most varied workholding needs.

Art. 806F
Piastra ganascia intercambiabile prismatica a pettine
Prismatic comb interchangeable jaw plate



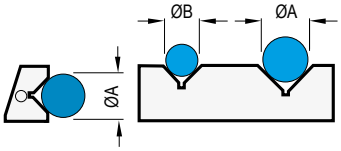


Solo 2 per morsa!! Just 2 pcs each vise!!

Cod.	5.80.6F100	5.80.6F200	5.80.6F300	5.80.6F400	5.80.6F500	5.80.6F600

Piastra ganascia intercambiabile prismatica a pettine
Per serraggi autocentranti è necessario ordinare n. 2 piastrine prismatiche
Prismatic comb interchangeable jaw plate
For self-centering clamping is necessary to order n. 2 prismatic jaws



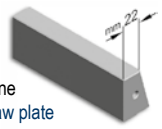


Ø Min / Max						
A	6 / 16	9 / 24	13 / 38	15 / 40	15 / 42	15 / 42
B	4 / 10	7 / 18	9 / 24	9 / 24	9 / 24	9 / 24

PIASTRE GANASCE INTERCAMBIABILI RAPIDE
QUICK INTERCHANGEABLE JAW PLATES

Tipo (grandezza) / Type (size)	1	2	3	4	5	6
W	73	93	123	143	168	188
B	25	30	40	50	60	60
C	10	10	11	11	16	16

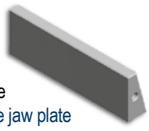
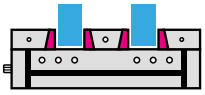
Art. 806B
Piastra ganascia intercambiabile dolce a pettine
Soft comb interchangeable jaw plate





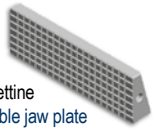
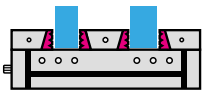
Cod.	5.80.6B100	5.80.6B200	5.80.6B300	5.80.6B400	5.80.6B500	5.80.6B600

Art. 806C
Piastra ganascia intercambiabile liscia a pettine
Smooth comb interchangeable jaw plate

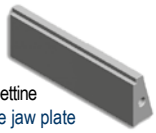
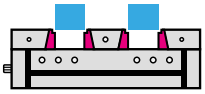
Cod.	5.80.6C100	5.80.6C200	5.80.6C300	5.80.6C400	5.80.6C500	5.80.6C600

Art. 806D
Piastra ganascia intercambiabile zigrinata a pettine
Serrated comb interchangeable jaw plate

Cod.	5.80.6D100	5.80.6D200	5.80.6D300	5.80.6D400	5.80.6D500	5.80.6D600

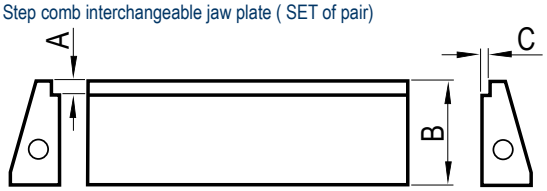
Art. 806E
Piastra ganascia intercambiabile a gradino a pettine
Step comb interchangeable jaw plate

Cod.	5.80.6E100	5.80.6E200	5.80.6E300	5.80.6E400	5.80.6E500	5.80.6E600

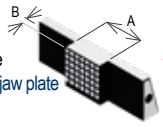
KIT RISPARMIO - SAVING KIT

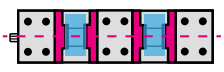
Piastra ganascia intercambiabile a gradino a pettine (SET di coppie)
Step comb interchangeable jaw plate (SET of pair)



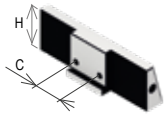
A	Set di 8 pezzi / Set of 8 pcs.	Set di 10 pezzi / Set of 10 pcs.	Set di 14 pezzi / Set of 14 pcs.	Set di 14 pezzi / Set of 14 pcs.	Set di 14 pezzi / Set of 14 pcs.	Set di 14 pezzi / Set of 14 pcs.
	3	3	3	3	3	3
	5	5	5	5	5	5
	8	8	8	8	8	8
	13	13	13	13	13	13
	-	18	18	18	18	18
	-	-	23	23	23	23
	-	-	28	28	28	28
B	25	30	40	50	60	60
C	3	3	3	3	3	3
Cod.	5.80.6E112	5.80.6E212	5.80.6E312	5.80.6E412	5.80.6E512	5.80.6E612

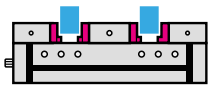
Art. 806SLD
Piastra ganascia scaricata a pettine
Discharged comb interchangeable jaw plate





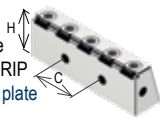
Art. 806SLE
Piastra ganascia con gradino scaricata a pettine
Discharged step comb Interchangeable jaw plate

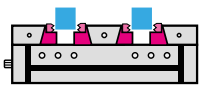




A	28	38	48	58	63	95
B	12	12	12	12	12	12
C	14	18	32	42	47	79
H	8	8	8	8	8	8
Cod.	5.80.6SLD1	5.80.6SLD2	5.80.6SLD3	5.80.6SLD4	5.80.6SLD5	5.80.6SLD6
Cod.	5.80.6SLE1	5.80.6SLE2	5.80.6SLE3	5.80.6SLE4	5.80.6SLE5	5.80.6SLE6

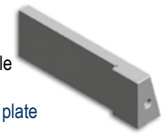
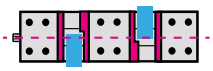
Art. 806K
Piastra ganascia intercambiabile a gradino a pettine con inserti GRIP
Comb interchangeable step jaw plate with GRIP inserts





C	14	18	32	42	47	79
H	23	33	43	53	58	73
Cod.	5.80.6K100	5.80.6K200	5.80.6K300	5.80.6K400	5.80.6K500	5.80.6K600

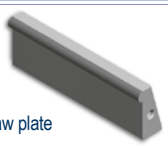
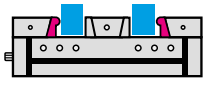
Art. 806G
Piastra ganascia intercambiabile a pettine con arresto a 90°
90° interchangeable comb jaw plate

Solo 2 per morsa!! Just 2 pcs each vise!!

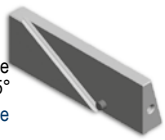
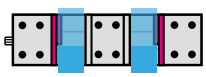
Cod.	5.80.6G100	5.80.6G200	5.80.6G300	5.80.6G400	5.80.6G500	5.80.6G600

Art. 806H
Piastra ganascia intercambiabile bombata a pettine
Round comb interchangeable jaw plate

Cod.	5.80.6H100	5.80.6H200	5.80.6H300	5.80.6H400	5.80.6H500	5.80.6H600

Art. 806M
Piastra ganascia intercambiabile a pettine per angolo di 30° o 45°
30° or 45° angle interchangeable comb jaw plate

Solo 2 per morsa!! Just 2 pcs each vise!!

Cod.	5.80.6M100	5.80.6M200	5.80.6M300	5.80.6M400	5.80.6M500	5.80.6M600

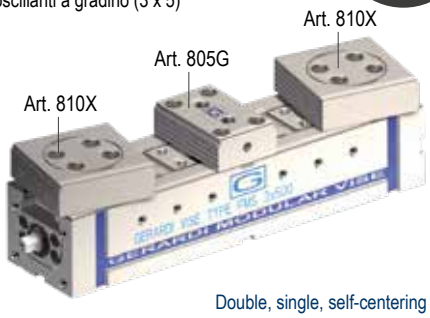
5

Tipo (grandezza) morsa / Vise type (size)		1	2				3	
	kN	25 kN	25 kN				30 kN	
Apertura massima / Maximum opening	A	2 x 52	2 x 30	2 x 80	2 x 130	2 x 180	2 x 46	2 x 96
	B	25	30				40	
	C	70	90				100	
	D	332	300	400	500	600	400	500
	E	349	320	420	520	620	425	525
	G	75	95				125	
	J	63	76				98	
	J1	70	88				111	
	W	74	94				124	
	kg	12	23	30	36	43	46	51
	Cod.	5.86.61300	5.86.62300	5.86.62400	5.86.62500	5.86.62600	5.86.63400	5.86.63500

Art. 866

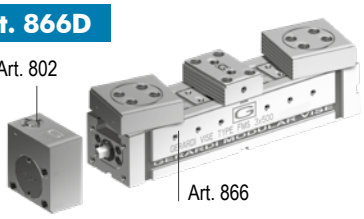
Morsa **FMS** doppia, singola, autocentrante con ganasce oscillanti a gradino (3 x 5)

3 in 1 VISES SINGLE / DOUBLE / SELF-CENTERING



Double, single, self-centering **FMS** vise with floating step jaws (3 x 5)

Art. 866D



(Art. 866 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.6D130	5.86.6D230	5.86.6D240	5.86.6D250	5.86.6D260	5.86.6D340	5.86.6D350

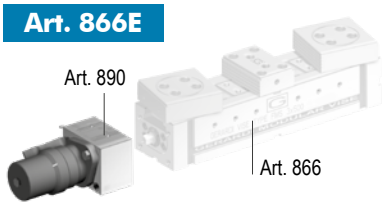
Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

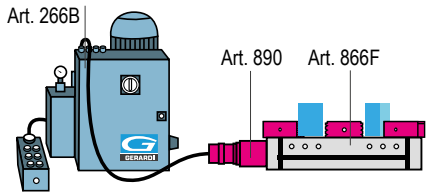
Art. 866E



(Art. 866 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.6E130	5.86.6E230	5.86.6E240	5.86.6E250	5.86.6E260	5.86.6E340	5.86.6E350

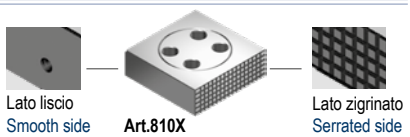
Art. 866F

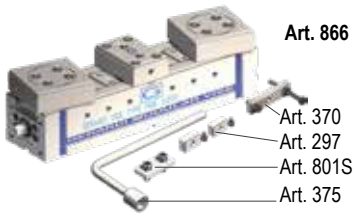


(Art. 866 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

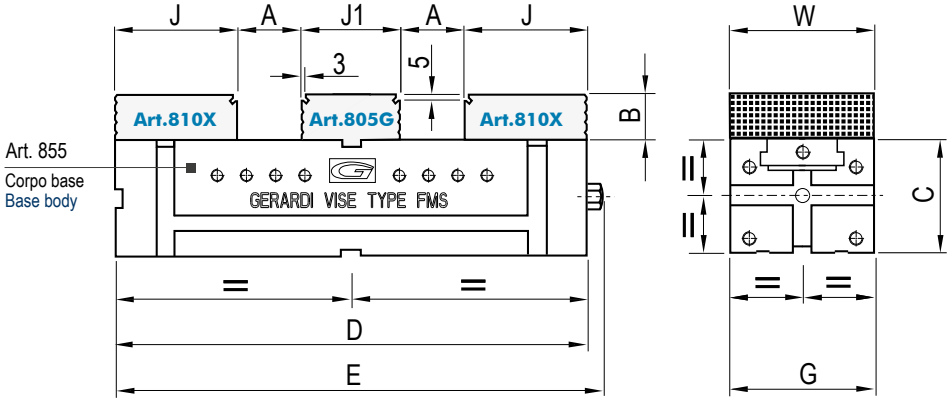
Cod.	5.86.6F130	5.86.6F230	5.86.6F240	5.86.6F250	5.86.6F260	5.86.6F340	5.86.6F350

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S





Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	2 x 152	2 x 202	2 x 252	2 x 73	2 x 123	2 x 173	2 x 223	2 x 111	2 x 161	2 x 211	2 x 203	2 x 235	2 x 303
B	40			50				60			60		
C	100			120				140			160		
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G	125			145				170			190		
J	106			128				135			143		
J1	84			98				108			108		
W	124			144				169			189		
kg	54	59	64	74	82	91	99	134	144	154	215	235	255
Cod.	5.86.63600	5.86.63700	5.86.63800	5.86.64500	5.86.64600	5.86.64700	5.86.64800	5.86.65600	5.86.65700	5.86.65800	5.86.66800	5.86.66900	5.86.66100

Art. 866D
(Art. 866 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.6D360	5.86.6D370	5.86.6D380	5.86.6D450	5.86.6D460	5.86.6D470	5.86.6D480	5.86.6D560	5.86.6D570	5.86.6D580	5.86.6D680	5.86.6D690	5.86.6D610

Art. 802
Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

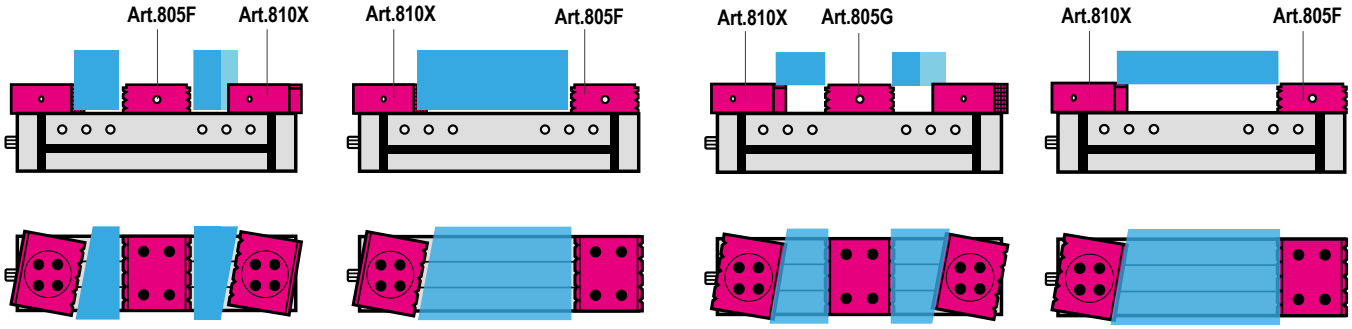
Art. 866E
(Art. 866 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.6E360	5.86.6E370	5.86.6E380	5.86.6E450	5.86.6E460	5.86.6E470	5.86.6E480	5.86.6E560	5.86.6E570	5.86.6E580	5.86.6E680	5.86.6E690	5.86.6E610

Art. 866F
(Art. 866 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.86.6F360	5.86.6F370	5.86.6F380	5.86.6F450	5.86.6F460	5.86.6F470	5.86.6F480	5.86.6F560	5.86.6F570	5.86.6F580	5.86.6F680	5.86.6F690	5.86.6F610

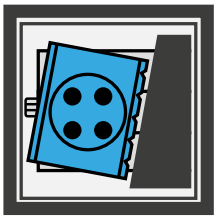
Art. 866
Esempi applicativi ganasce oscillanti:
Floating Jaws application examples:



Serraggio di particolari grezzi - Rough workpieces clamping

Serraggio di particolari sul gradino - Rough workpieces clamping on step

FUNZIONAMENTO DELLE GANASCE MOBILI OSCILLANTI
THE OPERATION OF MOVABLE JAWS



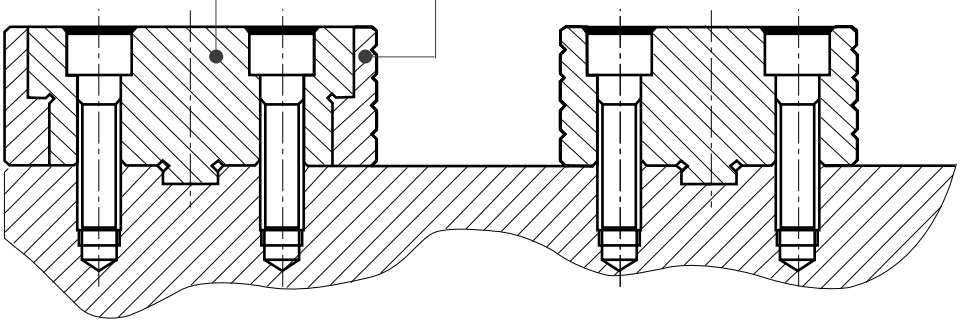
Art. 810Z

Albero a gradino per ganasce mobili oscillanti
Step block pin for floating movable jaw

Art. 810W

Ganascia mobile oscillante zigrinata da un lato, con albero a gradino (Art. 810Z)
Floating movable jaw one side serrated with step block pin (Art. 810Z)

Fig. 1 Pic. 1



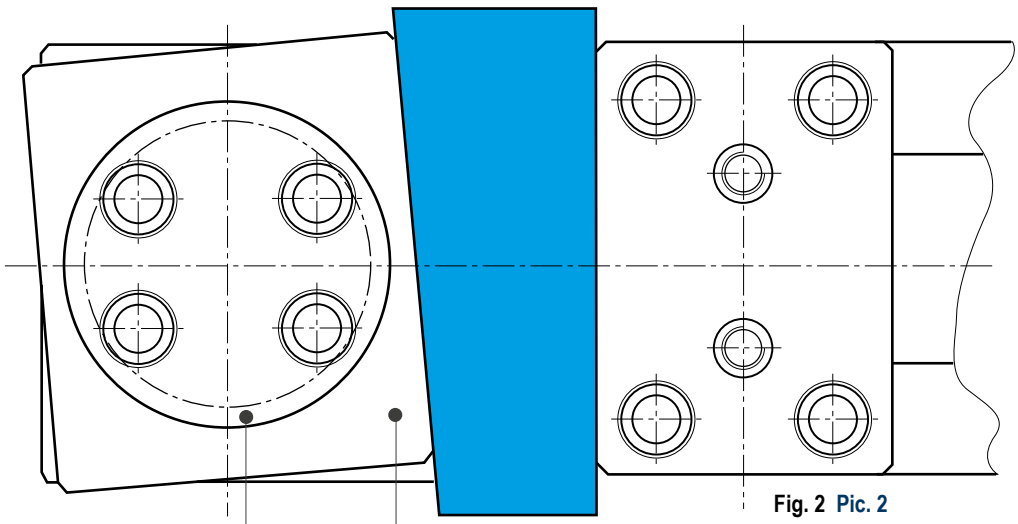


Fig. 2 Pic. 2

Art. 810Z

Albero a gradino per ganasce mobili oscillanti
Step block pin for floating movable jaw

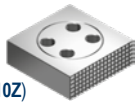
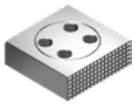
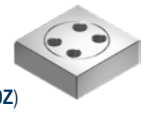
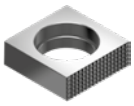
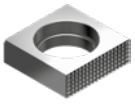
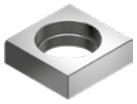
Art. 810W

Ganascia mobile oscillante zigrinata da un lato, con albero a gradino (Art. 810Z)
Floating movable jaw one side serrated with step block pin (Art. 810Z)

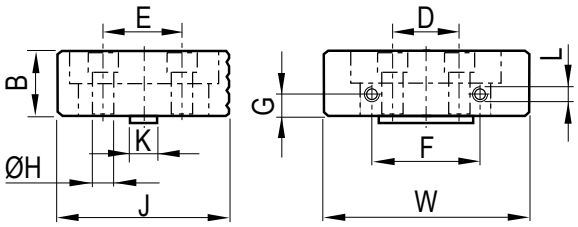
Le ganasce mobili oscillanti consentono il serraggio di pezzi di forma irregolare i cui lati non risultino paralleli (**Fig. 2**). Questo è reso possibile dall'albero a gradino (**Art. 810Z - Fig. 1**), posto al centro della ganascia, che pur permettendo la rotazione della ganascia, ne mantiene la precisione ed evita il sollevamento del pezzo mentre viene lavorato.
Il tutto a garanzia di un serraggio in piena sicurezza.

Floating movable jaws allow to clamp workpieces with irregular shapes whose sides are not parallels (**Pic. 2**). In fact thanks to the step block spindle (**Art. 810Z - Pic. 1**), positioned in the centre of the jaw body, the jaw can float and guarantee at the same time maximum precision and no tilting of the parts while being worked. The safety of the workholding is guaranteed.

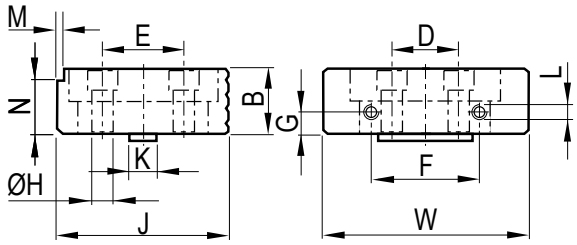
GANASCE MOBILI OSCILLANTI
FLOATING MOVABLE JAWS

Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art. 810W* Ganascia mobile oscillante zigrinata da un lato con albero a gradino (**Art. 810Z**) / Floating movable jaw one side serrated with step block pin (**Art. 810Z**)		Cod.	5.81.0W100	5.81.0W200	5.81.0W300	5.81.0W400	5.81.0W500	5.81.0W600
* Set viti per fissaggio a richiesta - Set of fixing screws on request								
Art. 810X* Ganascia mobile oscillante con gradino 3x5 zigrinata da un lato con albero a gradino (**Art. 810Z**) / Floating movable jaw with 3x5 step one side serrated with step block pin (**Art. 810Z**)		Cod.	5.81.0X100	5.81.0X200	5.81.0X300	5.81.0X400	5.81.0X500	5.81.0X600
* Set viti per fissaggio a richiesta - Set of fixing screws on request								
Art. 810Y* Ganascia mobile oscillante con gradino 3x5 con albero a gradino (**Art. 810Z**) / Floating movable jaw with 3x5 step with step block pin (**Art. 810Z**)		Cod.	5.81.0Y100	5.81.0Y200	5.81.0Y300	5.81.0Y400	5.81.0Y500	5.81.0Y600
* Set viti per fissaggio a richiesta - Set of fixing screws on request								
Art. 810Z Albero a gradino per ganasce mobili oscillanti / Step block pin for floating movable jaw		Cod.	5.81.0Z100	5.81.0Z200	5.81.0Z300	5.81.0Z400	5.81.0Z500	5.81.0Z600
Art. 810WA Corpo ganascia mobile oscillante zigrinata da un lato / Body floating movable jaw one side serrated		Cod.	5.81.0WA10	5.81.0WA20	5.81.0WA30	5.81.0WA40	5.81.0WA50	5.81.0WA60
Art. 810XA Corpo ganascia mobile oscillante con gradino 3x5 zigrinata da un lato / Body floating movable jaw with 3x5 step one side serrated		Cod.	5.81.0XA10	5.81.0XA20	5.81.0XA30	5.81.0XA40	5.81.0XA50	5.81.0XA60
Art. 810YA Corpo ganascia mobile oscillante con gradino 3x5 / Body floating movable jaw with 3x5 step		Cod.	5.81.0YA10	5.81.0YA20	5.81.0YA30	5.81.0YA40	5.81.0YA50	5.81.0YA60

Art. 810W



Art. 810X



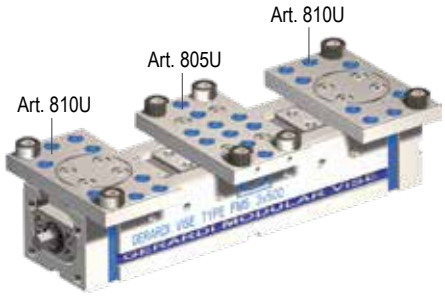
Tipo (grandezza) morsa / Vise (type) size

mm	1	2	3	4	5	6	Tolleranze / Tolerance
B	25	30	40	50	60		- 0,02
D	20	25	38	48	44	54	-
E	32	40	50	60	68	68	-
F	40	50		65		100	-
G	10		15	20	25		-
H	9	11	13	17		22	-
L	M5	M6					-
K	16						H7
M	5						± 0,01
N	3						± 0,02
J	72	84	106	128	135	143	- 0,02
W	74	94	124	144	169	189	-

5

Art. 867

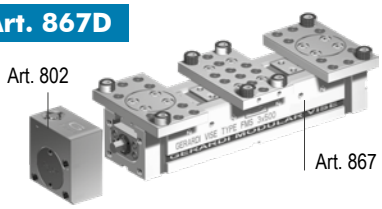
Morsa **FMS** doppia, singola, autocentrante con ganasce oscillanti con inserti regolabili



Double, single, self-centering **FMS** vise with floating jaws with adjustable inserts

Tipo (grandezza) morsa / Vise type (size)	1	2				3	
kN	25 kN	25 kN				30 kN	
A1	91	91	141	191	241	141	191
B	20	20				20	
C	70	90				100	
D	332	300	400	500	600	400	500
E	349	320	420	520	620	425	525
G	75	95				125	
J1	50	50				70	
J2	25	25				35	
Ø	30 (H = 16)	30 (H = 16)				30 (H = 16)	
W	100	120				170	
kg	11	20	27	33	40	40	45
Cod.	5.86.71300	5.86.72300	5.86.72400	5.86.72500	5.86.72600	5.86.73400	5.86.73500

Art. 867D



(Art. 867 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.7D130	5.86.7D230	5.86.7D240	5.86.7D250	5.86.7D260	5.86.7D340	5.86.7D350

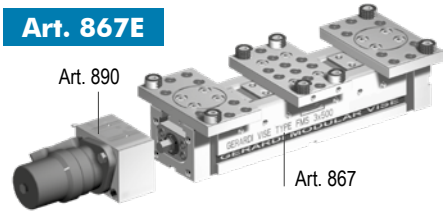
Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

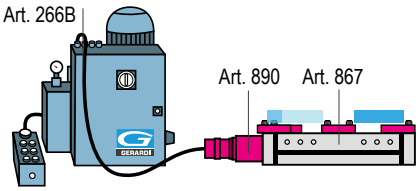
Art. 867E



(Art. 867 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.7E130	5.86.7D230	5.86.7E240	5.86.7E250	5.86.7E260	5.86.7E340	5.86.7E350

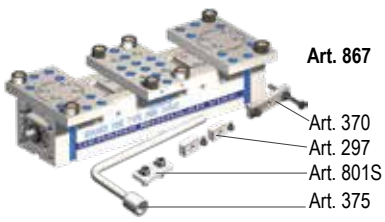
Art. 867F



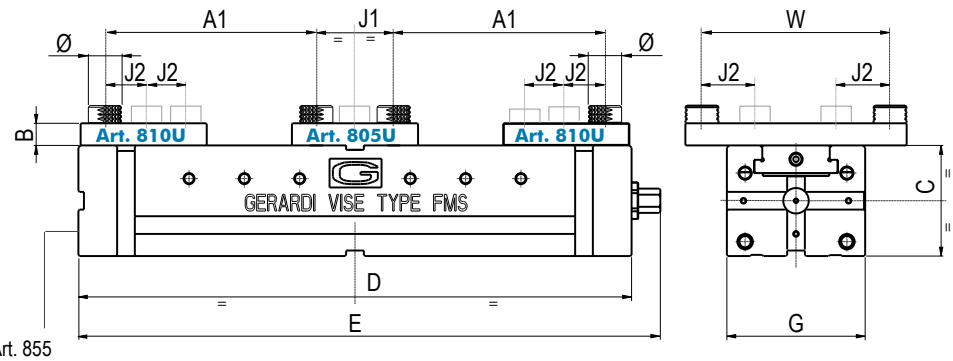
(Art. 867 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.86.7F130	5.86.7F230	5.86.7F240	5.86.7F250	5.86.7F260	5.86.7F340	5.86.7F350

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S



Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S



Art. 855
Corpo base / Base body

	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A1	241	291	341	191	241	291	341	231	281	331	331	381	431
B		20			30				35			35	
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G		125			145				170			190	
J1		70			80				100			100	
J2		35			40				40			40	
Ø		30 (H = 16)			30 (H = 16)				40 (H = 30)			40 (H = 30)	
W		170			220				250			300	
kg	50	55	60	68	76	85	93	124	134	144	200	220	240
Cod.	5.86.73600	5.86.73700	5.86.73800	5.86.74500	5.86.74600	5.86.74700	5.86.74800	5.86.75600	5.86.75700	5.86.75800	5.86.76800	5.86.76900	5.86.76100

Art. 867D

(Art. 867 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.7D360	5.86.7D370	5.86.7D380	5.86.7D450	5.86.7D460	5.86.7D470	5.86.7D480	5.86.7D560	5.86.7D570	5.86.7D580	5.86.7D680	5.86.7D690	5.86.7D610

Art. 802

Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 867E

(Art. 867 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.7E360	5.86.7E370	5.86.7E380	5.86.7E450	5.86.7E460	5.86.7E470	5.86.7E480	5.86.7E560	5.86.7E570	5.86.7E580	5.86.7E680	5.86.7E690	5.86.7E610

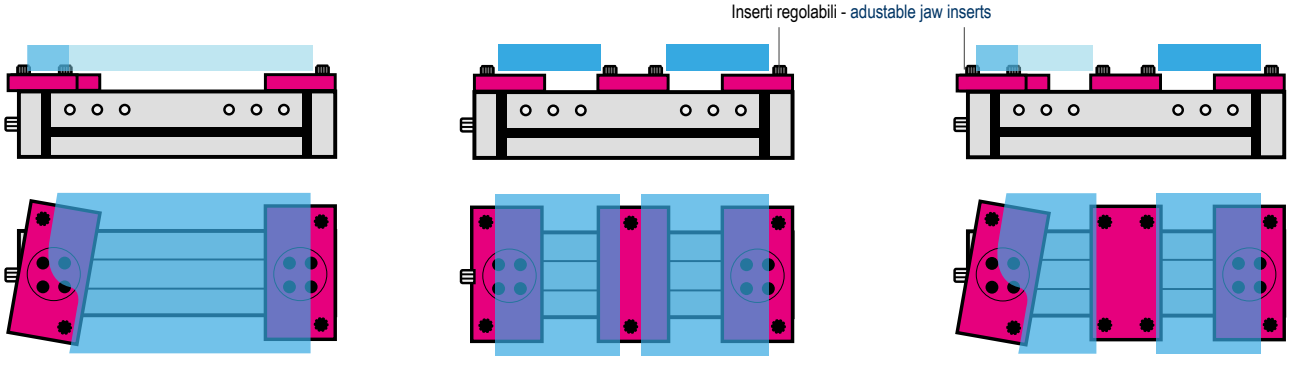
Art. 867F

(Art. 867 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.86.7F360	5.86.7F370	5.86.7F380	5.86.7F450	5.86.7F460	5.86.7F470	5.86.7F480	5.86.7F560	5.86.7F570	5.86.7F580	5.86.7F680	5.86.7F690	5.86.7F610

Art. 867

Esempi applicativi ganasce oscillanti regolabili:
Floating adjustable jaws application examples:



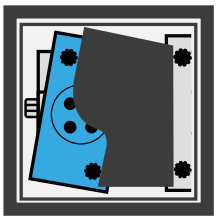
4 inserti - 4 jaw inserts

6 inserti - 6 jaw inserts

8 inserti - 8 jaw inserts

5

FUNZIONAMENTO DELLE GANASCE MOBILI OSCILLANTI CON INSERTI
HOW TO OPERATE FLOATING MOVABLE JAWS WITH INSERTS



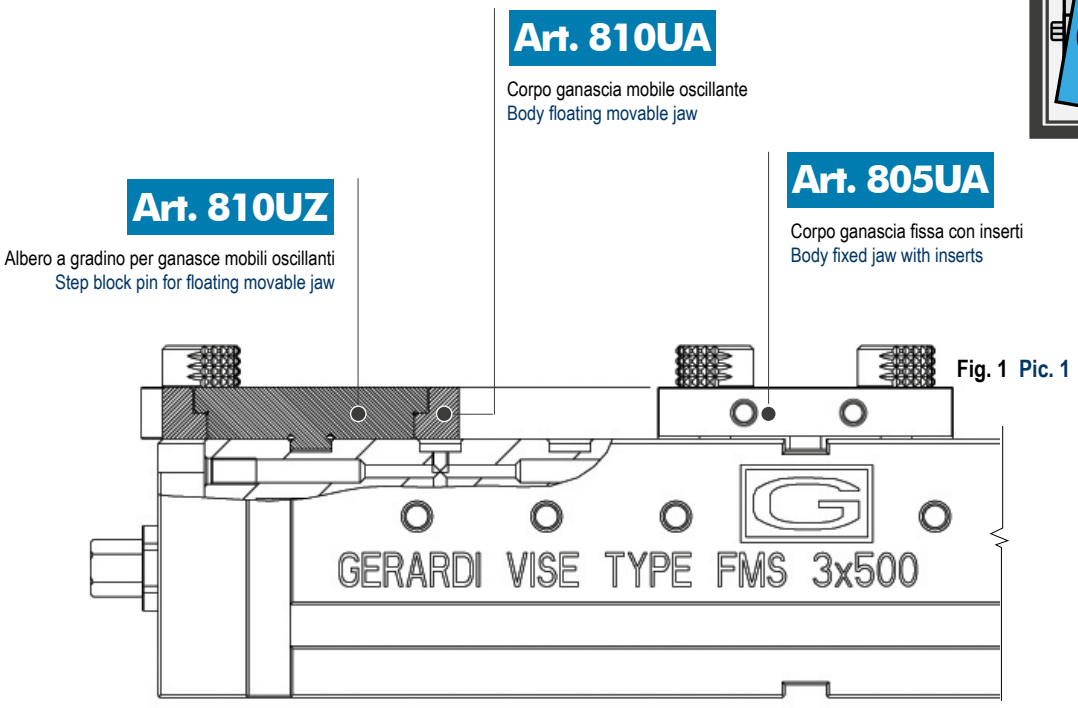


Fig. 1 Pic. 1

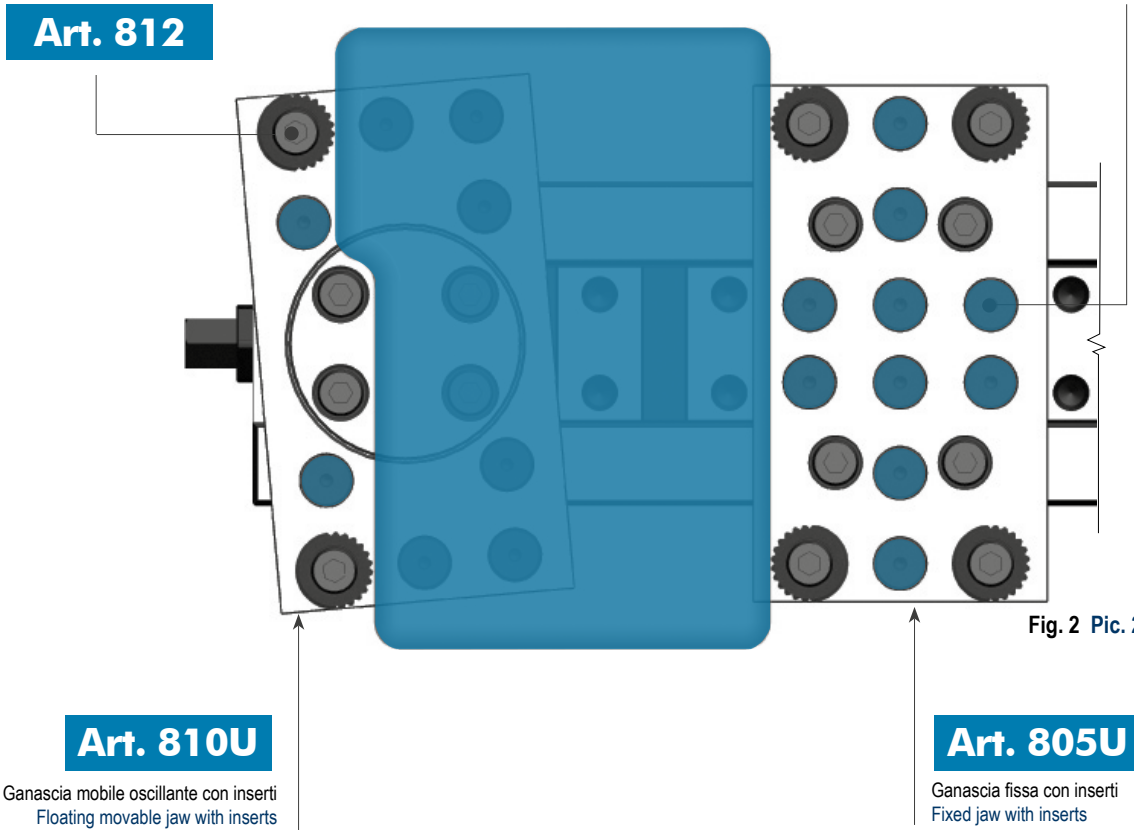


Fig. 2 Pic. 2

Le ganasce mobili oscillanti consentono il serraggio di pezzi di forma irregolare i cui lati non risultino paralleli (**Fig. 2**). Questo è reso possibile dall'albero a gradino (**Art. 810UZ - Fig. 1**), posto al centro della ganascia, che pur permettendo la rotazione della ganascia, ne mantiene la precisione ed evita il sollevamento del pezzo mentre viene lavorato.
Il tutto a garanzia di un serraggio in piena sicurezza. Gli inserti estremizzano ulteriormente la versatilità delle ganasce mobili oscillanti della morsa FMS.

Floating movable jaws allow to clamp workpieces with irregular shapes whose sides are not parallels (**Pic. 2**).In fact thanks to the step block spindle (**Art. 810UZ - Pic. 1**), positioned in the centre of the jaw body, the jaw can float and guarantee at the same time maximum precision and no tilting of the parts while being worked.
The safety of the workholding is guaranteed. The insert further increase the versatility of the FMS floating movable jaws.

GANASCE FISSE & MOBILI FMS
FMS FIXED AND MOVABLE JAWS

Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art. 810U*	Ganascia mobile regolabile oscillante con inserti Floating movable jaw with inserts	Cod.	5.81.0U100	5.81.0U200	5.81.0U300	5.81.0U400	5.81.0U500	5.81.0U600
		* Set viti per fissaggio a richiesta - Set of fixing screws on request					
Art. 810UA	Corpo ganascia mobile oscillante Body floating movable jaw	Cod.	5.81.0UA10	5.81.0UA20	5.81.0UA30	5.81.0UA40	5.81.0UA50	5.81.0UA60
Art. 810UZ*	Albero a gradino per ganasce mobili oscillanti Step block pin for floating movable jaw	Cod.	5.81.0UZ10	5.81.0UZ20	5.81.0UZ30	5.81.0UZ40	5.81.0UZ50	5.81.0UZ60
		* Set viti per fissaggio a richiesta - Set of fixing screws on request					
Art. 810Q*	Ganascia mobile regolabile con inserti Movable jaw with inserts	Cod.	5.81.0Q100	5.81.0Q200	5.81.0Q300	5.81.0Q400	5.81.0Q500	5.81.0Q600
		* Set viti per fissaggio a richiesta - Set of fixing screws on request					
Art. 810QA	Corpo ganascia regolabile mobile per inserti Body movable jaw for inserts	Cod.	5.81.0QA10	5.81.0QA20	5.81.0QA03	5.81.0QA40	5.81.0QA50	5.81.0QA60
Art. 805U*	Ganascia fissa regolabile con inserti Fixed jaw with inserts	Cod.	5.80.5U100	5.80.5U200	5.80.5U300	5.80.5U400	5.80.5U500	5.80.5U600
		* Set viti per fissaggio a richiesta - Set of fixing screws on request					
Art. 805UA	Corpo ganascia fissa regolabile per inserti Body fixed jaw per inserti	Cod.	5.80.5UA10	5.80.5UA20	5.80.5UA30	5.80.5UA40	5.80.5UA50	5.80.5UA60
Art. 812	Inserto liscio e zigrinato Smooth and serrated insert	Ø		30			40	
Art. 812A	Inserto liscio Smooth insert	H		16			30	
Art. 812C	Inserto zigrinato Serrated insert	Cod.		5.81.21000			5.81.25000	
		Cod.		5.81.2A100			5.81.2A500	
		Cod.		5.81.2C100			5.81.2C500	
Art. 813	Inserto liscio e zigrinato alto Smooth and serrated high insert	Ø		30			40	
Art. 813A	Inserto liscio alto Smooth high insert	H		28			50	
Art. 813C	Inserto zigrinato alto Serrated high insert	Cod.		5.81.31000			5.81.35000	
		Cod.		5.81.3A100			5.81.3A500	
		Cod.		5.81.3C100			5.81.3C500	
Art. 815	Inserto liscio e zigrinato a gradino Pair of smooth and serrated step insert	H		16			30	
Art. 815A	Inserto liscio a gradino Smooth step insert	Cod.		5.81.51000			5.81.55000	
Art. 815C	Inserto zigrinato a gradino Serrated step insert	Cod.		5.81.5A100			5.81.5A500	
		Cod.		5.81.5C100			5.81.5C500	
Art. 812B	Inserto in acciaio lavorabile Insert in machineable steel metal	Ø		40			60	
		H		40			60	
		Cod.		5.81.2B100			5.81.2B500	
Art. 84U	Tappo in alluminio (EXTRA) Aluminum cap (ETRA)	Cod.		5.84.U1000			5.84.U5000	

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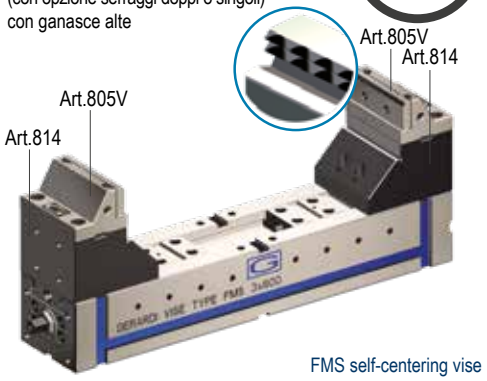
Art. 868

Morsa **FMS** autocentrante
(con opzione serraggi doppi o singoli)
con ganasce alte

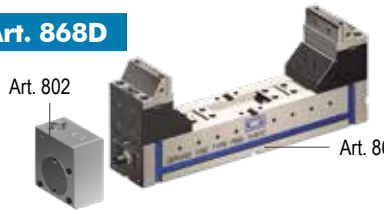
3 in 1 VISES SINGLE / DOUBLE / SELF-CENTERING



FMS self-centering vise
(with double or single
clamping option) with high jaws

Tipo (grandezza) morsa / Vise type (size)	1		2				3	
kN	25 kN		25 kN				30 kN	
A	130	230	182	282	382	482	244	344
B	99,5		117				137	
C	70		90				100	
D	232	332	300	400	500	600	400	500
E	249	349	320	420	520	620	425	525
F	169,5		207				237	
G	75		95				125	
H	75		85				98	
L	56		64				84	
J3	76	76	101				132	
J4	55	55	63				82	
X	39,5		47				57	
W	74		94				124	
kg	-		-				-	
Cod.	5.86.81200	5.86.81300	5.86.82300	5.86.82400	5.86.82500	5.86.82600	5.86.83400	5.86.83500

Art. 868D



(Art. 868 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.8D120	5.86.8D130	5.86.8D230	5.86.8D240	5.86.8D250	5.86.8D260	5.86.8D340	5.86.8D350

Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

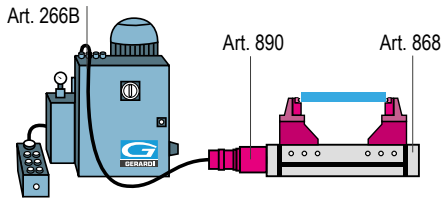
Art. 868E



(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.8E120	5.86.8E130	5.86.8E230	5.86.8E240	5.86.8E250	5.86.8E260	5.86.8E340	5.86.8E350

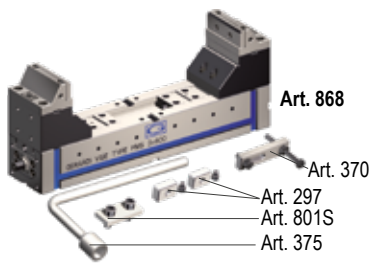
Art. 868F



(Art. 868 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

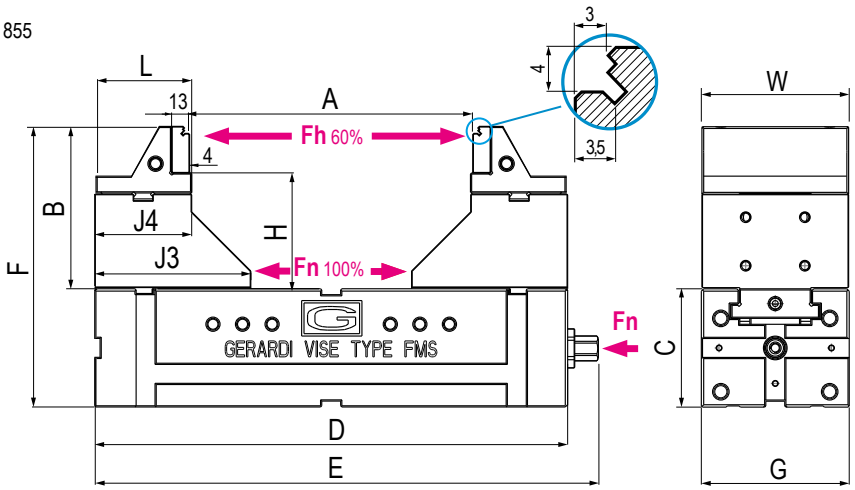
Cod.	5.86.8F120	5.86.8F130	5.86.8F230	5.86.8F240	5.86.8F250	5.86.8F260	5.86.8F340	5.86.8F350

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S



Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S

Art. 855



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	444	544	644	316	416	516	616	396	496	596	596	696	796
B		137			171				186			246	
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
F		237			291				326			406	
G		125			145				170			190	
H		98			128				138			180	
L		84			97				107			107	
J3		132			154				169			189	
J4		82			96				106			106	
X		57			64				66			86	
W		124			144				169			189	
kg		-			-				-			-	
Cod.	5.86.83600	5.86.83700	5.86.83800	5.86.84500	5.86.84600	5.86.84700	5.86.84800	5.86.85600	5.86.85700	5.86.85800	5.86.86800	5.86.86900	5.86.86100

Art. 868D

(Art. 868 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.8D360	5.86.8D370	5.86.8D380	5.86.8D450	5.86.8D460	5.86.8D470	5.86.8D480	5.86.8D560	5.86.8D570	5.86.8D580	5.86.8D680	5.86.8D690	5.86.8D610

Art. 802

Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 868E

(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

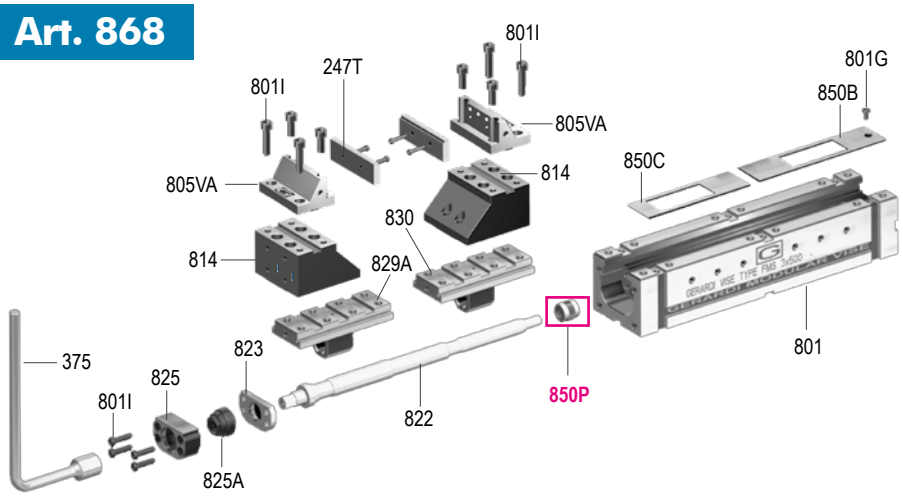
Cod.	5.86.8E360	5.86.8E370	5.86.8E380	5.86.8E450	5.86.8E460	5.86.8E470	5.86.8E480	5.86.8E560	5.86.8E570	5.86.8E580	5.86.8E680	5.86.8E690	5.86.8E610

Art. 868F

(Art. 868 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.86.8F360	5.86.8F370	5.86.8F380	5.86.8F450	5.86.8F460	5.86.8F470	5.86.8F480	5.86.8F560	5.86.8F570	5.86.8F580	5.86.8F680	5.86.8F690	5.86.8F610

Art. 868

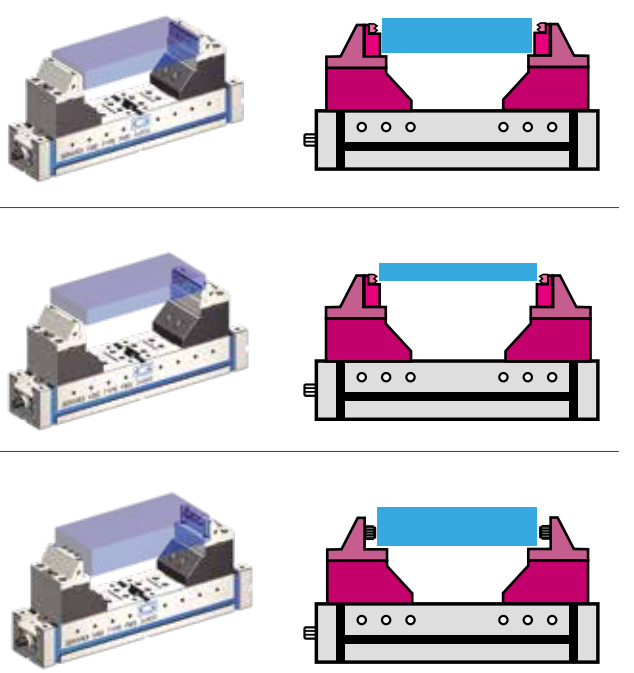


Art.	Pag.
375	4.35
801	5.50
801G	5.61
801I	5.61
810J	5.56
822	5.53
823	5.59
825	5.59
825A	5.61
829A	5.52
830	5.52

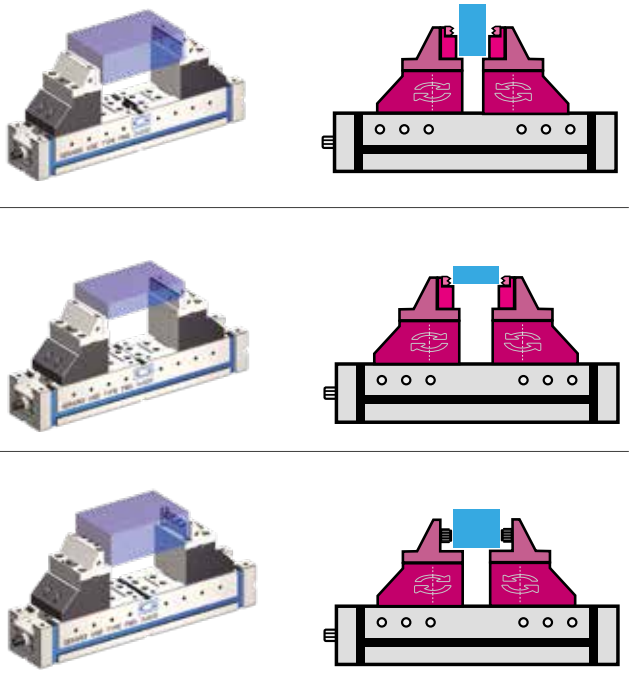
Art.	Pag.
850B	5.61
850C	5.61
850P	5.72
814	5.56
805VA	5.35
247T	5.35
-	-
-	-
-	-
-	-
-	-

POSSIBILI COMBINAZIONI DELLA MORSA Art.868
POSSIBLE ARRANGEMENTS OF THE Art.868 VISE

Orientamento base mobile Art.814 per massima apertura ganasce
Movable base Art.814 oriented for the maximum jaws opening



Orientamento base mobile Art.814 per chiusura ganasce a zero
Movable base Art.814 oriented in order to close jaws completely



5

Art. 868

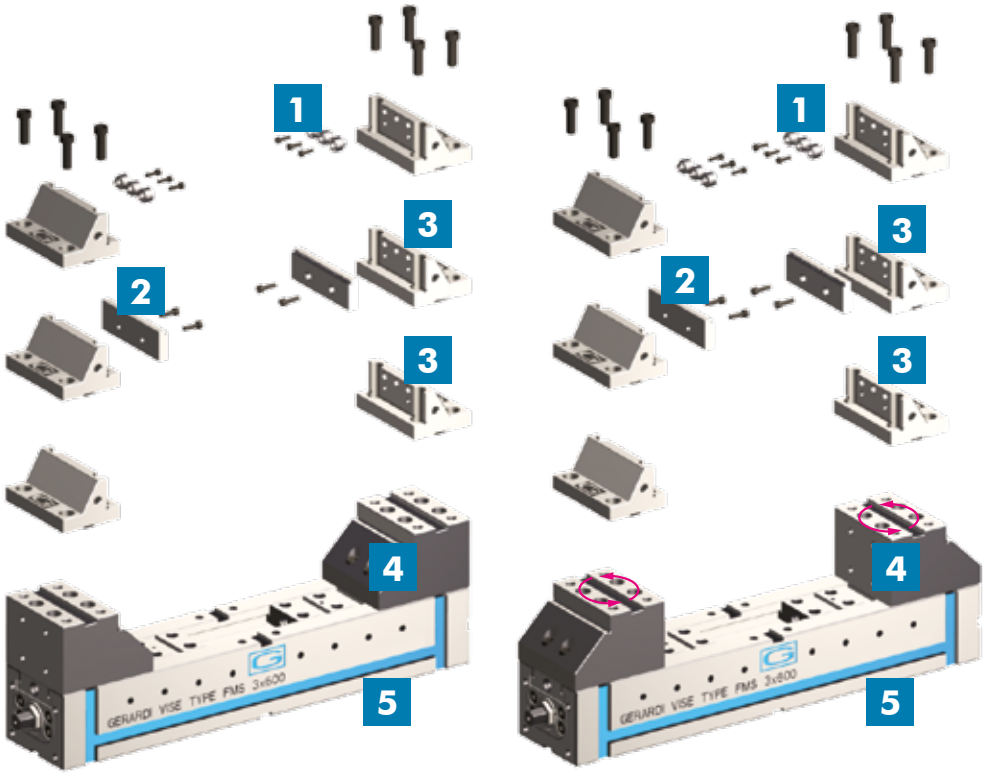
1 **Art.90**
PUNTALE TEMPRATO GRIP
HARDENED GRIP POINT

2 **Art.247T**
PIASTRINA PIANA GRIP
STRAIGHT JAW PLATE GRIP

3 **Art.805VA**
CORPO GANASCIA
JAW PLATE BODY

4 **Art.814**
BASE PER GANASCE FISSE
BASE FOR FIXED JAWS

5 **Art.855**
CORPO BASE CUBO
CUBE BASE BODY



Possibilità di utilizzo di qualsiasi ganascia fissa FMS anzichè del corpo ganascia 805V. Possibilità di due posizioni per ciascuna ganascia fissa e per base ganascia mobile Art.814
Possibility to use each FMS fixed jaw instead of jaw body Art.805V. Possibility of two positions (at 180°) for each fixed jaw and for movable base jaw Art.814

GANASCE & PIASTRE GANASCE PER Art.868

JAWS & JAW PLATES FOR Art.868

Tipo (grandezza) / Type (size)	1	2	3	4	5	6

Art. 805V*

Ganascia per piastrine e puntali
Jaw for plates and points



Cod.	5.80.5V100	5.80.5V200	5.80.5V300	5.80.5V400	5.80.5V500	5.80.5V600

* Viti per fissaggio a richiesta Fixing screws on request

Art. 90

Puntale temprato GRIP
Hardened GRIP Insert

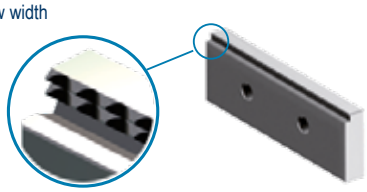


Cod.	5.90.10000

Art. 247T (W2)

Piastra piana temprata GRIP
con larghezza ridotta
Hardened straight jaw plate GRIP
with narrow width





Cod.	4.24.7T100	4.24.7T200	4.24.7T300	4.24.7T400	4.24.7T500	4.24.7T600

Per qualsiasi piastra piana speciale, raddoppiare il prezzo
For specia l taylor made straighr jaw plate double the price

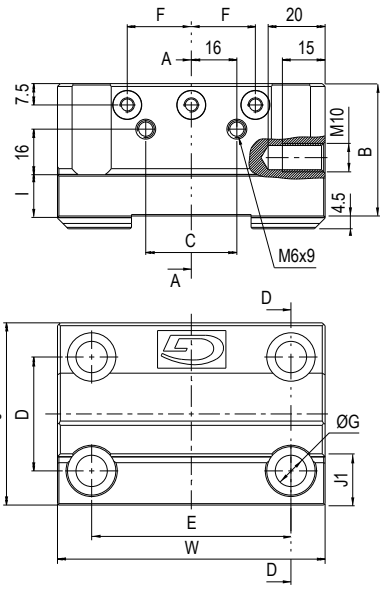
PIASTRE GANASCE "GRIP" JAW PLATES

MINOR SUPERFICIE DI CONTATTO + PRESSIONE DI SERRAGGIO

LESS SURFACE CONTACT + CLAMPING PRESSURE

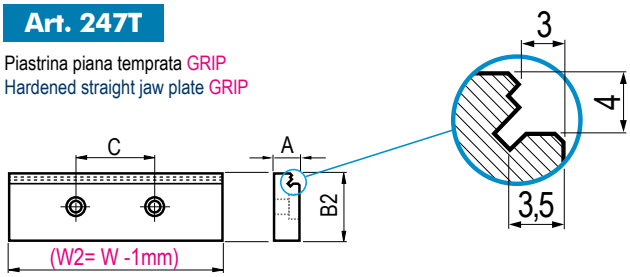
Art. 805VA

Corpo Ganascia
Jaw for plates and points



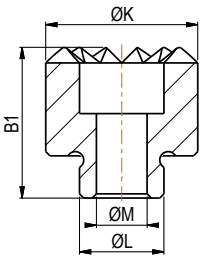
Art. 247T

Piastrina piana temprata GRIP
Hardened straight jaw plate GRIP



Art. 90

Puntale temprato GRIP
Hardened GRIP Point

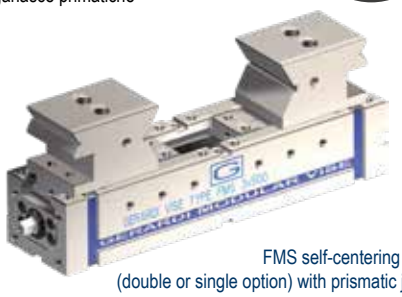


mm	1	2	3	4	5	6
W	74	94	124	144	169	189
A	12	12	13	13	18	
B	39,5	47	57	61	66	86
B2	24,5	32	39	43	48	56
C	25	32	50	50	76	90
D	32	40	50	60	68	68
E	56	70	92	108	126	144
F	2X26	3x20	3x25	4x20	4x25	4x30
ØG	9	11	13	17	17	21
I	15	15	18	18	18	20
J	56	64	84	97	107	107
J1	17					
ØK	-	18				-
ØL	-	10 h8				-
ØM	-	6				-

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
	kN	25 kN		25 kN				30 kN	
Apertura minima - massima / minimum - maximum Aperture	A	10 / 25	10 / 25	20 / 50	20 / 50	20 / 50	20 / 50	40 / 100	40 / 100
Apertura minima - massima / minimum - maximum Aperture	A1	10 / 15	10 / 15	10 / 25	10 / 25	10 / 25	10 / 25	25 / 50	25 / 50
	B	34		55				90	
	C	70		90				100	
	D	232	332	300	400	500	600	400	500
	E	249	349	320	420	520	620	425	525
	F	104		145				190	
	G	75		95				125	
	J	48	60	102				132	
	W	50		75				100	
	kg	9	12	23	30	63	43	47	52
	Cod.	5.87.01200	5.87.01300	5.87.02300	5.87.02400	5.87.02500	5.87.02600	5.87.03400	5.87.03500

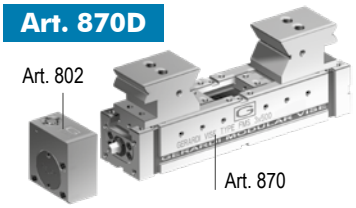
Art. 870

Morsa **FMS** autocentrante
(opzione doppia o singola)
con ganasce primatiche



FMS self-centering vise
(double or single option) with prismatic jaws

Art. 870D



(Art. 870 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.87.0D120	5.87.0D130	5.87.0D230	5.87.0D240	5.87.0D250	5.87.0D260	5.87.0D340	5.87.0D350

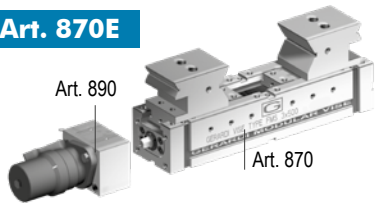
Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

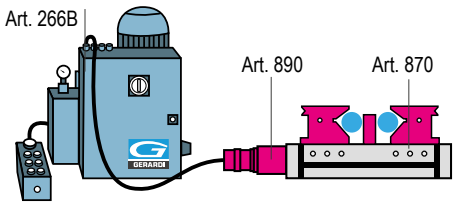
Art. 870E



(Art. 870 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.87.0E120	5.87.0E130	5.87.0E230	5.87.0E240	5.87.0E250	5.87.0E260	5.87.0E340	5.87.0E350

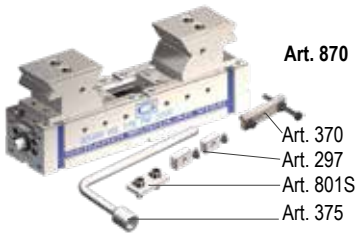
Art. 870F



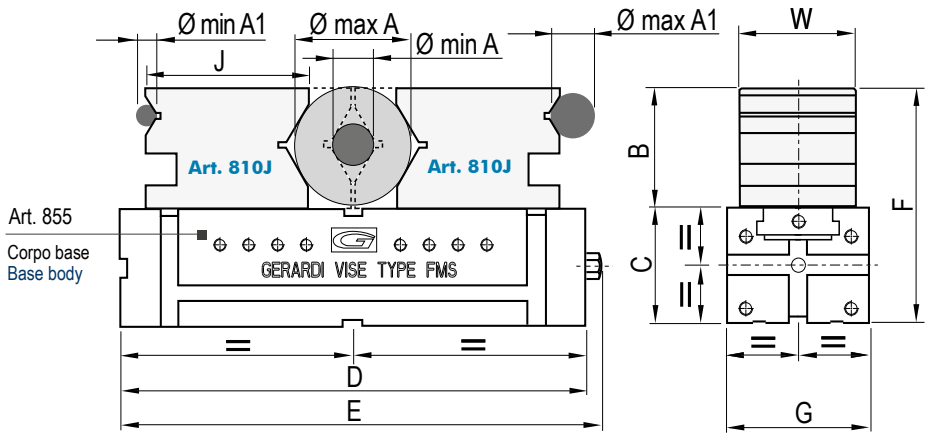
(Art. 870 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.87.0F120	5.87.0F130	5.87.0F230	5.87.0F240	5.87.0F250	5.87.0F260	5.87.0F340	5.87.0F350

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S



Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	40 / 100	40 / 100	40 / 100	40 / 150	40 / 150	40 / 150	40 / 150	63 / 200	65 / 240	80 / 280	100 / 300	120 / 350	140 / 400
A1	25 / 50	25 / 50	25 / 50	30 / 60	30 / 60	30 / 60	30 / 60	35 / 70	35 / 70	35 / 80	40 / 140	40 / 140	40 / 140
B		90			132			171	191	226	250	275	300
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
F		190			252			311	331	366	410	435	460
G		125			145				170			190	
J		132			156				176			174	
W		100			132				140			160	
kg	57	62	67	74	82	91	99	135	145	155	225	245	265
Cod.	5.87.03600	5.87.03700	5.87.03800	5.87.04500	5.87.04600	5.87.04700	5.87.04800	5.87.05600	5.87.05700	5.87.05800	5.87.06800	5.87.06900	5.87.06100

Art. 870D

(Art. 870 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.87.0D360	5.87.0D370	5.87.0D380	5.87.0D450	5.87.0D460	5.87.0D470	5.87.0D480	5.87.0D560	5.87.0D570	5.87.0D580	5.87.0D680	5.87.0D690	5.87.0D610

Art. 802

Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 870E

(Art. 870 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.87.0E360	5.87.0E370	5.87.0E380	5.87.0E450	5.87.0E460	5.87.0E470	5.87.0E480	5.87.0E560	5.87.0E570	5.87.0E580	5.87.0E680	5.87.0E690	5.87.0E610

Art. 870F

(Art. 870 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

Cod.	5.87.0F360	5.87.0F370	5.87.0F380	5.87.0F450	5.87.0F460	5.87.0F470	5.87.0F480	5.87.0F560	5.87.0F570	5.87.0F580	5.87.0F680	5.87.0F690	5.87.0F610

Art. 870

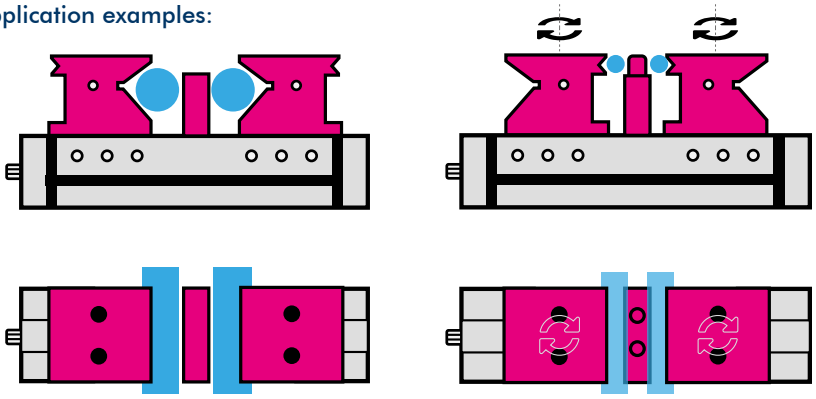
Esempi applicativi ganasce prismatiche:
Prismatic jaws application examples:



Art. 870A

Pag.5.54 Page. 5.54

Ganascie ruotate di 180° - Jaws rotated 180°



Per il serraggio di 2 particolari tondi contemporaneamente per mezzo della ganascia intermedia alta Art.870A
For clamping 2 round workpieces simultaneously by intermediate high jaw Art.870A

N.B: Realizzabili versioni speciali per diametro **Max.1500** - Special Types available on request for **up to Ø1500**

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
	kN	25 kN		25 kN				30 kN	
Apertura massima / Maximum opening	A	85	185	170	270	370	470	230	330
Minima apertura interno-esterno / Minimum opening inside-outside	A1	115 / 200	115 / 300	130 / 300	130 / 400	130 / 500	130 / 600	170 / 400	170 / 500
	B	25		30				40	
	C	70		90				100	
	D	232	332	300	400	500	600	400	500
	E	249	349	320	420	520	620	425	525
	G	75		95				125	
	W	74		94				124	
	kg	7	10	18	25	32	39	40	45
Mechanical Clamping vise only for single clamping	Cod.	5.80.01200	5.80.01300	5.80.02300	5.80.02400	5.80.02500	5.80.02600	5.80.03400	5.80.03500

Art. 800

Morsa a Serraggio Meccanico
solo per serraggi singoli

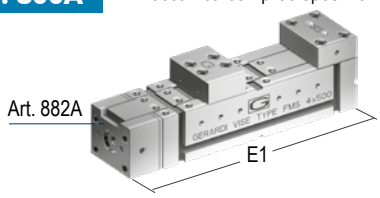


SPECIFICA SOLO PER SERRAGGI SINGOLI
SPECIFIC FOR SINGLE CLAMPING ONLY

Questa morsa, pur essendo parte del programma FMS, non è predisposta per serraggi doppi o autocentranti

Art. 800A

Meccanica con predisposizione idraulica solo per serraggi singoli / Mechanical with prepared hydraulic connection only for single clamping



E1	273	373	370,5	470,5	570,5	670,5	485	585
Cod.	5.80.0A120	5.80.0A130	5.80.0A230	5.80.0A240	5.80.0A250	5.80.0A260	5.80.0A340	5.80.0A350

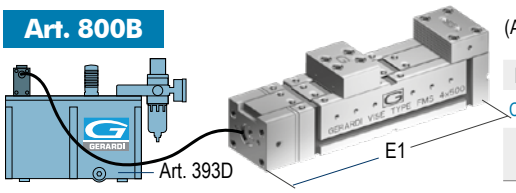
Art. 882A



Connettore Idraulico - Hydraulic Connexion

Corsa - Stroke	mm	4	7	10
Superficie - Surface	cm^2	6	21	21
Pressione - Pressure	bar	417	119	143

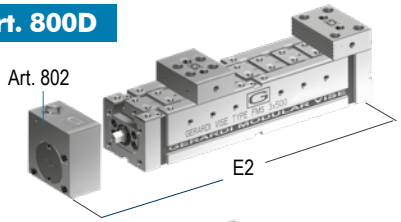
Art. 800B



(Art. 800A + Art.393) Morsa + centralina a comando manuale singolo / Vise + power unit with single manual control

E1	273	373	370,5	470,5	570,5	670,5	485	585
Cod.	5.80.0B120	5.80.0B130	5.80.0B230	5.80.0B240	5.80.0B250	5.80.0B260	5.80.0B340	5.80.0B350

Art. 800D



(Art. 800 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

E2	277	377	360	460	560	660	470	570
Nm	Max 20		Max 25				Max 20	
Cod.	5.80.0D120	5.80.0D130	5.80.0D230	5.80.0D240	5.80.0D250	5.80.0D260	5.80.0D340	5.80.0D350

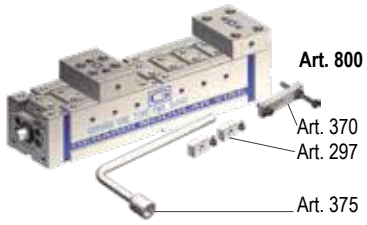
Art. 802



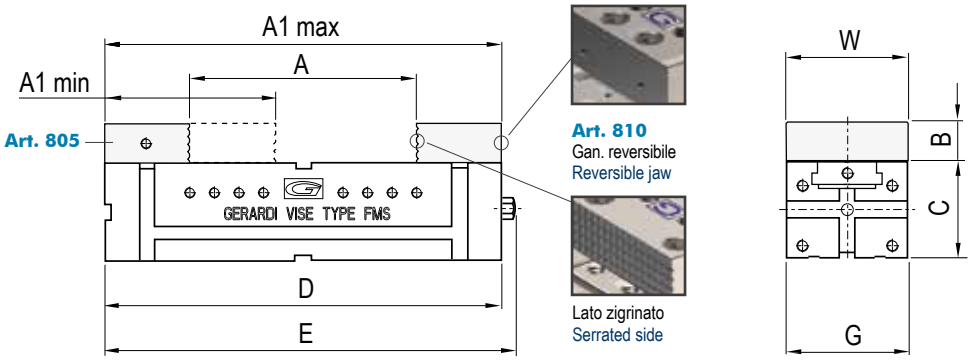
Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375



Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	430	530	630	300	400	500	600	380	480	580	580	680	780
A1	170 / 600	170 / 700	170 / 800	200 / 500	200 / 600	200 / 700	200 / 800	220 / 600	220 / 700	220 / 800	220 / 800	220 / 800	220 / 100
B		40			50				60			60	
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G		125			145				170			190	
W		124			144				169			189	
kg	50	55	60	66	72	80	88	115	125	135	170	190	210
Cod.	5.80.03600	5.80.03700	5.80.03800	5.80.04500	5.80.04600	5.80.04700	5.80.04800	5.80.05600	5.80.05700	5.80.05800	5.80.06800	5.80.06900	5.80.06100

This type of vise even if it is part of the FMS series is not suitable for double or self-centering clamping

Art. 800A

Meccanica con predisposizione idraulica solo per serraggi singoli / Mechanical with prepared hydraulic connection only for single clamping

E1	685	785	885	585	685	785	885	-	-	-	-	-	-
Cod.	5.80.0A360	5.80.0A370	5.80.0A380	5.80.0A450	5.80.0A460	5.80.0A470	5.80.0A480	5.80.0A560	5.80.0A570	5.80.0A580	5.80.0A680	5.80.0A690	5.80.0A610

Art. 882A

Connettore Idraulico - Hydraulic Connexion

	10			10				-			-		
	21			21				-			-		
	143			143				-			-		

Art. 800B

(Art. 800A + Art.393) Morsa + centralina a comando manuale singolo / Vise + power unit with single manual control

E1	685	785	885	585	685	785	885	-	-	-	-	-	-
Cod.	5.80.0B360	5.80.0B370	5.80.0B380	5.80.0B450	5.80.0B460	5.80.0B470	5.80.0B480	5.80.0B560	5.80.0B570	5.80.0B580	5.80.0B680	5.80.0B690	5.80.0B610

Art. 800D

(Art. 800 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

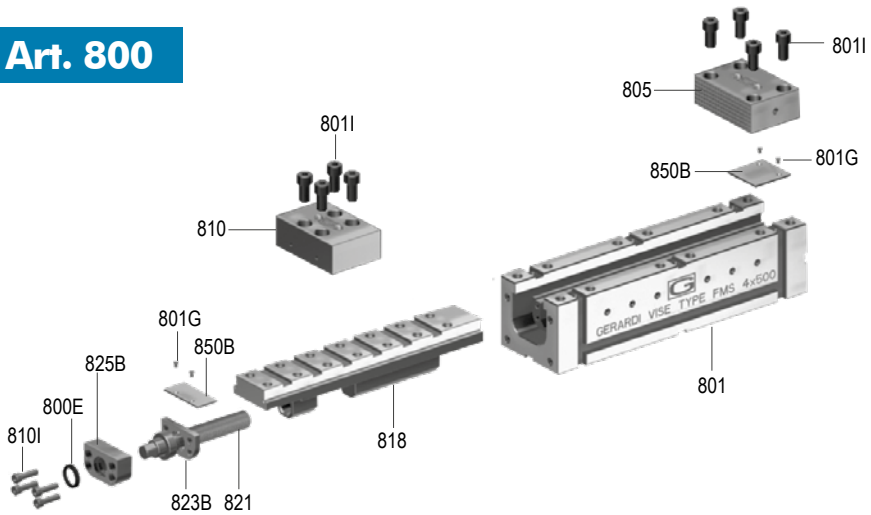
E2	670	770	870	570	670	770	870	685	785	885	-	-	-
Nm		Max 20			Max 20				Max 20			Max 20	
Cod.	5.87.0D360	5.87.0D370	5.87.0D380	5.87.0D450	5.87.0D460	5.87.0D470	5.87.0D480	5.87.0D560	5.87.0D570	5.87.0D580	5.87.0D680	5.87.0D690	5.87.0D610

Art. 802

Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 800



Art.	Pag.	Art.	Pag.
800E	5.61	-	-
801	5.50	-	-
801G	5.61	-	-
801I	5.61	-	-
805	5.54	-	-
810	5.56	-	-
818	5.52	-	-
821	5.53	-	-
823B	5.59	-	-
825B	5.59	-	-
850B	5.61	-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1		2				3	
								30 kN	
Apertura massima / Maximum opening	A	-	-	-	-	-	-	232	332
	B	-		-				40	
	C	-		-				100	
	D	-	-	-	-	-	-	510	610
	E	-	-	-	-	-	-	400	500
	G	-		-				125	
	W	-		-				124	
	kg	-	-	-	-	-	-	-	44
	Cod.	-	-	-	-	-	-	5.90.03400	5.90.03500
	€	**ATTUALMENTE NON DISPONIBILI** - CURRENTLY NOT AVAILABLE							

Art. 900

NEW

Morsa a Serraggio Meccanico con Limitatore di Forza solo per serraggi singoli



Mechanical Clamping vise with Limiting Device only for single clamping

SPECIFICA SOLO PER SERRAGGI SINGOLI

SPECIFIC FOR SINGLE CLAMPING ONLY

Questa morsa, pur essendo parte del programma FMS, non è predisposta per serraggi doppi o autocentranti

Art. 900Y

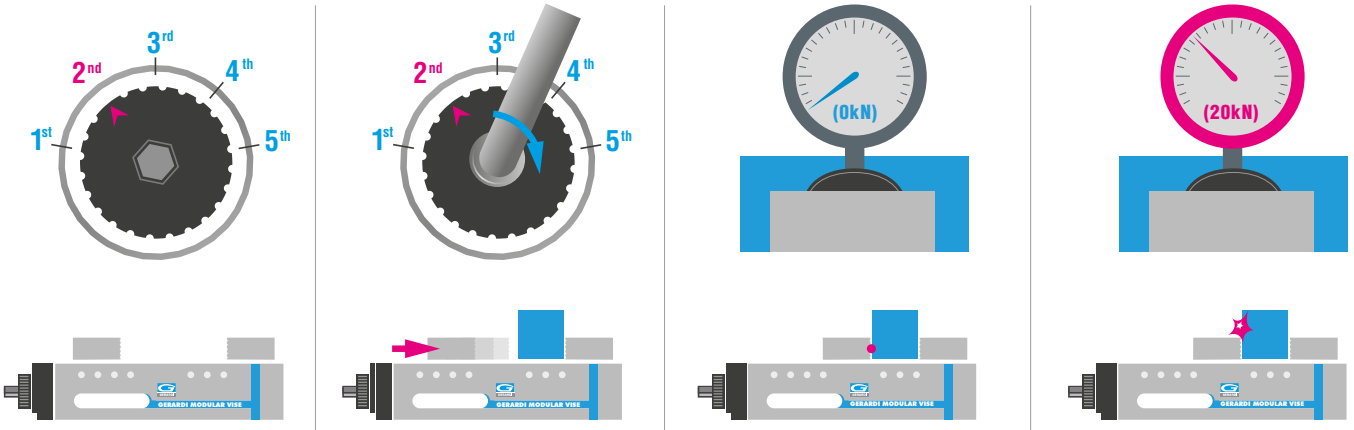


Modulo per serraggio idraulico
Module for hydraulic clamping

Cod.	-	-	5.90.0Y300
€	**ATTUALMENTE NON DISPONIBILI** - CURRENTLY NOT AVAILABLE		

5

FUNZIONAMENTO LIMITATORE DI FORZA - HOW TO USE THE LIMITING DEVICE



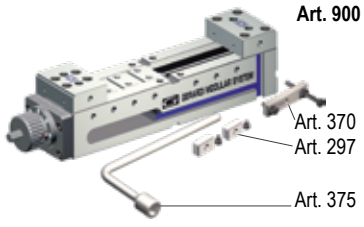
1 Scegliere forza di serraggio tramite ghiera limitatore di forza.
Presetting of the clamping force through the clamping limiter

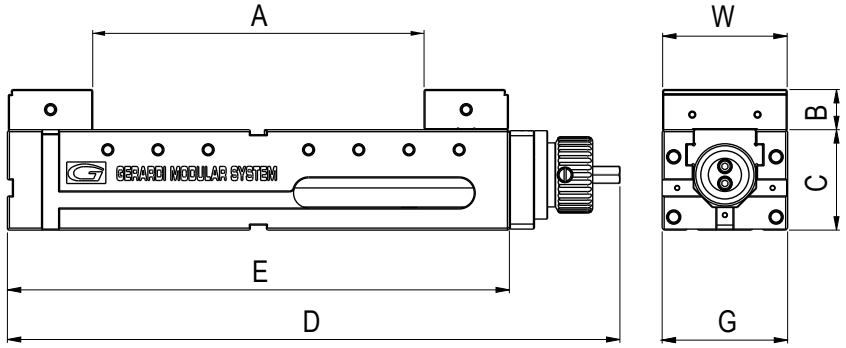
2 Rapido avvicinamento ganascia mobile al pezzo da serrare
Quick approach of the jaw to the workpiece

3 Contatto ganascia-particolare e sblocco frizione limitatore di forza.
First contact jaw-workpiece and clamping limiter friction release

4 Avvio meccanismo moltiplica forza Fermarsi a fine corsa.
Force multiplier device start.
At the end-stroke stop clamping.

Dotazione standard:
- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375





Standard equipment:
- 2 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375

	3 30 kN			4 30 kN				5 32 kN			6		
A	432	532	632	304	404	505	605	384	484	584	-	-	-
B		40			50				60			-	
C		100			120				140			-	
D	710	810	910	610	710	810	910	710	810	910	-	-	-
E	600	700	800	500	600	700	800	600	700	800	-	-	-
G		125			145				170			-	
W		124			144				169			-	
kg	-	-	-	57	-	-	-	99	-	-	-	-	-
Cod.	5.90.03600	5.90.03700	5.90.03800	5.90.04500	5.90.04600	5.90.04700	5.90.04800	5.90.05600	5.90.05700	5.90.05800	-	-	-
											ATTUALMENTE NON DISPONIBILI CURRENTLY NOT AVAILABLE		

This type of vise even if it is part of the FMS series is not suitable for double or self-centering clamping

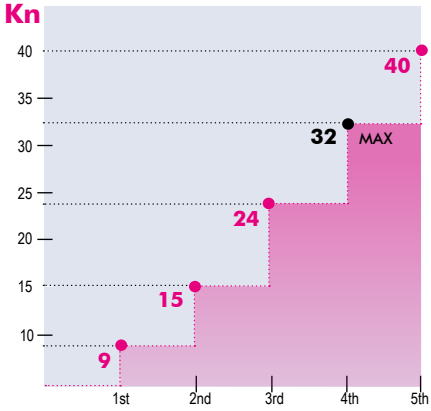
Art. 900Y

Cod.	5.90.0Y300	5.90.0Y300	5.90.0Y300	-	
				ATTUALMENTE NON DISPONIBILI CURRENTLY NOT AVAILABLE	

Diagrammi forze di serraggio - Diagrams with clamping force

Morse tipo *Vises type* 3

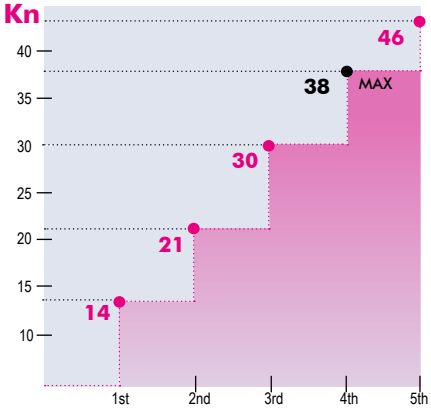
VITE: Ø 24 mm / Ø 30 mm PASSO: 2 mm
SCREW: Ø 24 mm / Ø 30 mm PITCH: 2 mm
Chiave dinamometrica / Torque wrench



Posizioni ghiera limitatore / Fixed nut positions

Morse tipo *Vises type* 4

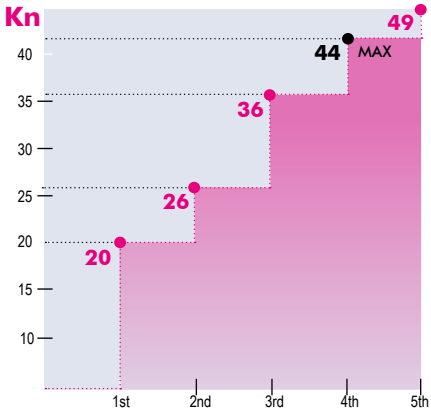
VITE: Ø 24 mm / Ø 30 mm PASSO: 2 mm
SCREW: Ø 24 mm / Ø 30 mm PITCH: 2 mm
Chiave dinamometrica / Torque wrench



Posizioni ghiera limitatore / Fixed nut positions

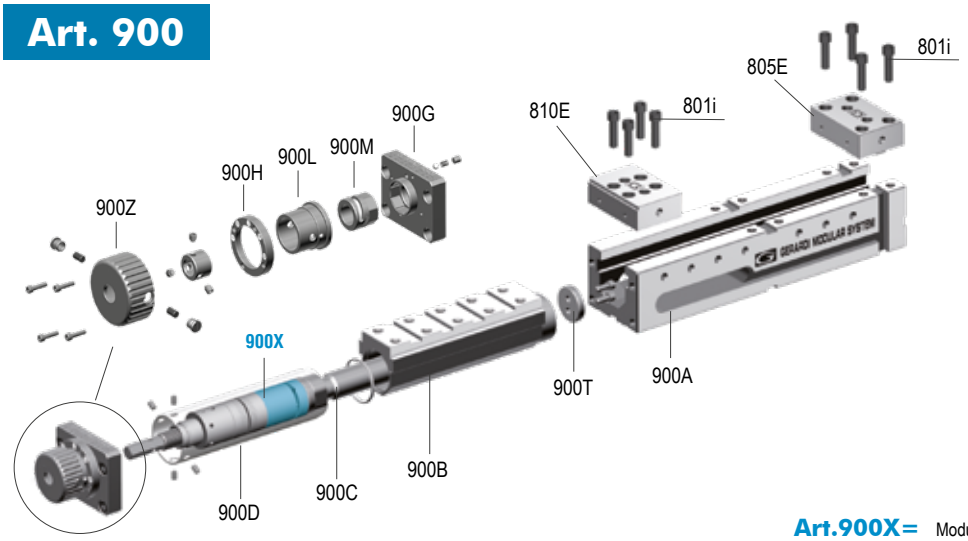
Morse tipo *Vises type* 5

VITE: Ø 24 mm / Ø 30 mm PASSO: 2 mm
SCREW: Ø 24 mm / Ø 30 mm PITCH: 2 mm
Chiave dinamometrica / Torque wrench



Posizioni ghiera limitatore / Fixed nut positions

Art. 900



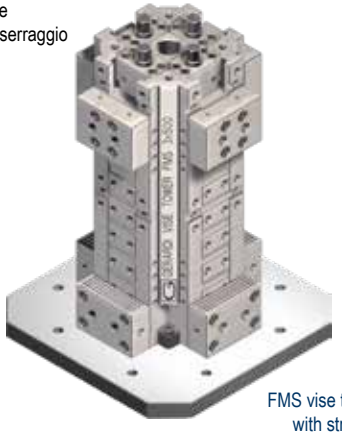
NEW

Art.	Pag.
900Y	40
810E	57
805E	55



Art.900X= Modulo per serraggio meccanico - Module for mechanical clamping

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
	kN	25 kN		25 kN				30 kN	
Apertura massima / Max. opening	A	85	185	170	270	370	470	230	330
Art. 800C	A1	115		130				170	
Cubo-morsa FMS con ganasce piane per il serraggio di 4 pezzi	B	25		30				40	
	D	200	300	300	400	500	600	400	500
	E	232	332	320	420	520	620	425	525
	G1	120						210	
	L	300		350				400	
	M	33		33				38	
	W	74		94				124	
	kg	30	45	53	70	88	106	90	112
	Cod.	5.80.0C120	5.80.0C130	5.80.0C230	5.80.0C240	5.80.0C250	5.80.0C260	5.80.0C340	5.80.0C350



FMS vise tower with straight jaws for 4 clamping stations

SPECIFICA SOLO PER SERRAGGI SINGOLI
SPECIFIC FOR SINGLE CLAMPING ONLY

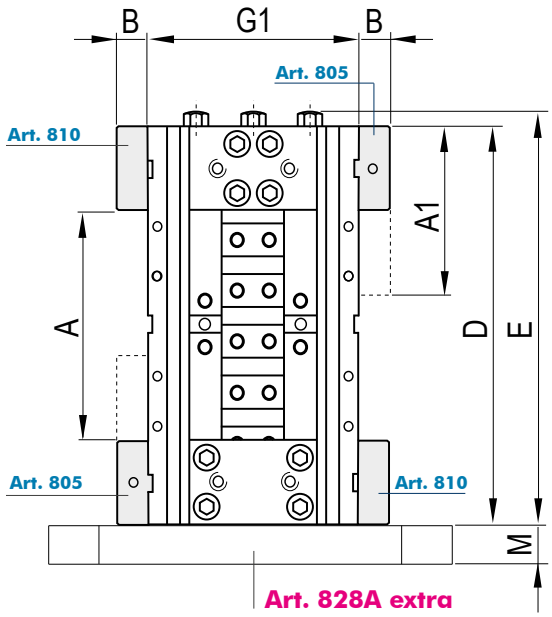
Questa morsa, pur essendo parte del programma FMS, non è predisposta per serraggi doppi o autocentranti

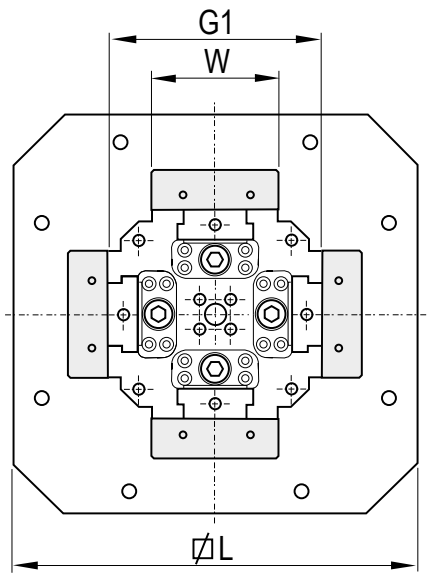
Art. 800G NEW 2021

Modulo base cubo morsa FMS (senza ganasce)
FMS vise tower base (without jaws)

Cod.	5.80.0G120	5.80.0G130	5.80.0G230	5.80.0G240	5.80.0G250	5.80.0G260	5.80.0G340	5.80.0G350

GANASCE REVERSIBILI
REVERSIBLE JAWS

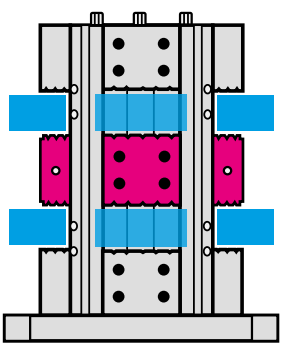






Dotazione standard per Art. 800C
- 1 chiave a pipa Art. 375
- 4 arresti laterali Art. 370
- 2 coppie di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 golfare di sollevamento Art. 848
- Imballo in cassa di legno

Standard equipment for Art. 800C
- 1 box wrench Art. 375
- 4 workstops Art. 370
- 2 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 lifting hook Art. 848
- Wooden box packaging

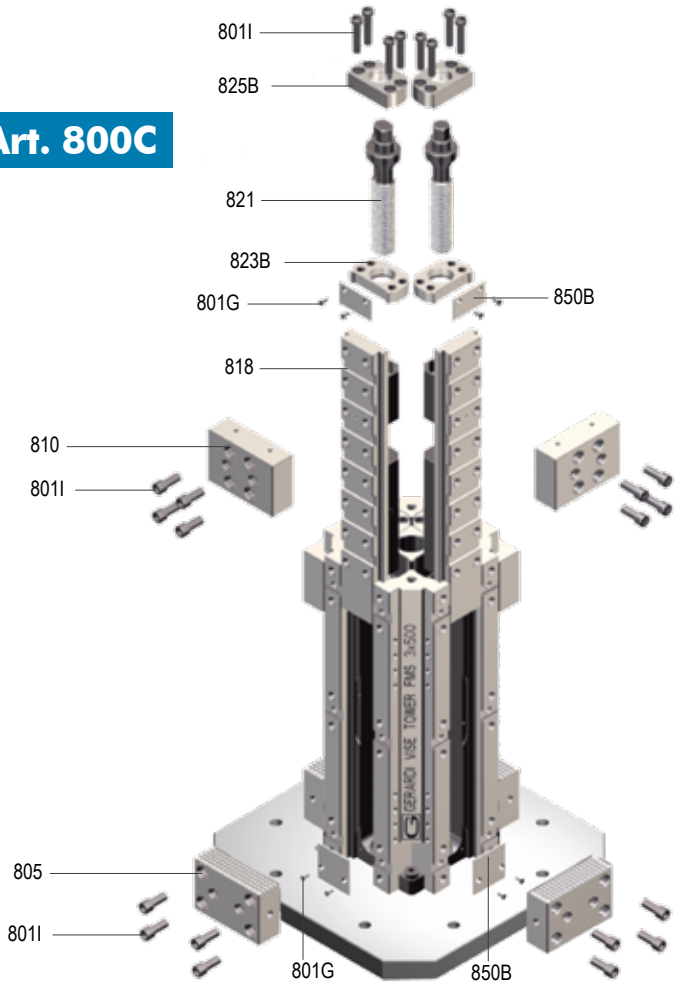


	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	430	530	630	300	400	500	600	380	480	580	480	580	680
A1		170			509				630			810	
B		40			50				60			60	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G1		210			245				280			290	
L		400			450				500			550	
M		38			38				38			38	
W		124			144				169			189	
kg	135	157	180	180	210	252	288	260	303	340	500	562	625
Cod.	5.80.0C360	5.80.0C370	5.80.0C380	5.80.0C450	5.80.0C460	5.80.0C470	5.80.0C480	5.80.0C560	5.80.0C570	5.80.0C580	5.80.0C680	5.80.0C690	5.80.0C610

This type of vise even if it is part of the FMS series is not suitable for double or self-centering clamping

Cod.	5.80.0G360	5.80.0G370	5.80.0G380	5.80.0G450	5.80.0G460	5.80.0G470	5.80.0G480	5.80.0G560	5.80.0G570	5.80.0G580	5.80.0G680	5.80.0G690	5.80.0G610

Art. 800C



GANASCE REVERSIBILI
REVERSIBLE JAWS

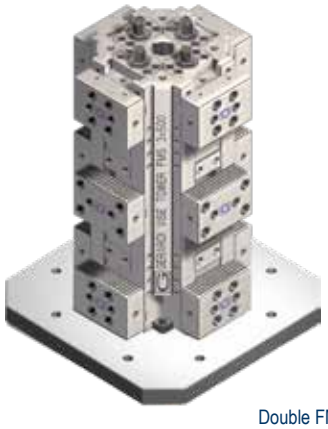
Esploso di cubo-morsa FMS con ganasce piane per il serraggio di 4 pezzi
Explose of FMS vise tower with straight jaws for 4 clamping stations

Art.	Pag.	Art.	Pag.
801G	5.61	-	-
801I	5.61	-	-
810	5.56	-	-
818	5.52	-	-
821	5.53	-	-
823B	5.59	-	-
825B	5.59	-	-
850B	5.61	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
	kN	25 kN		25 kN				30 kN	
Apertura massima / Max. opening	A	2 x 16	2 x 66	2 x 54	2 x 104	2 x 154	2 x 204	2 x 74	2 x 124
	B	25		30				40	
	D	200	300	300	400	500	600	400	500
	E	232	332	320	420	520	620	425	525
	G1	120		175				210	
	L	300		350				400	
	M	33		33				38	
	W	74		94				124	
	kg	30	45	53	70	88	106	90	112
	Cod.	5.86.0C120	5.86.0C130	5.86.0C230	5.86.0C240	5.86.0C250	5.86.0C260	5.86.0C340	5.86.0C350

Art. 860C

Cubo-morsa FMS doppio per il serraggio di 8 pezzi



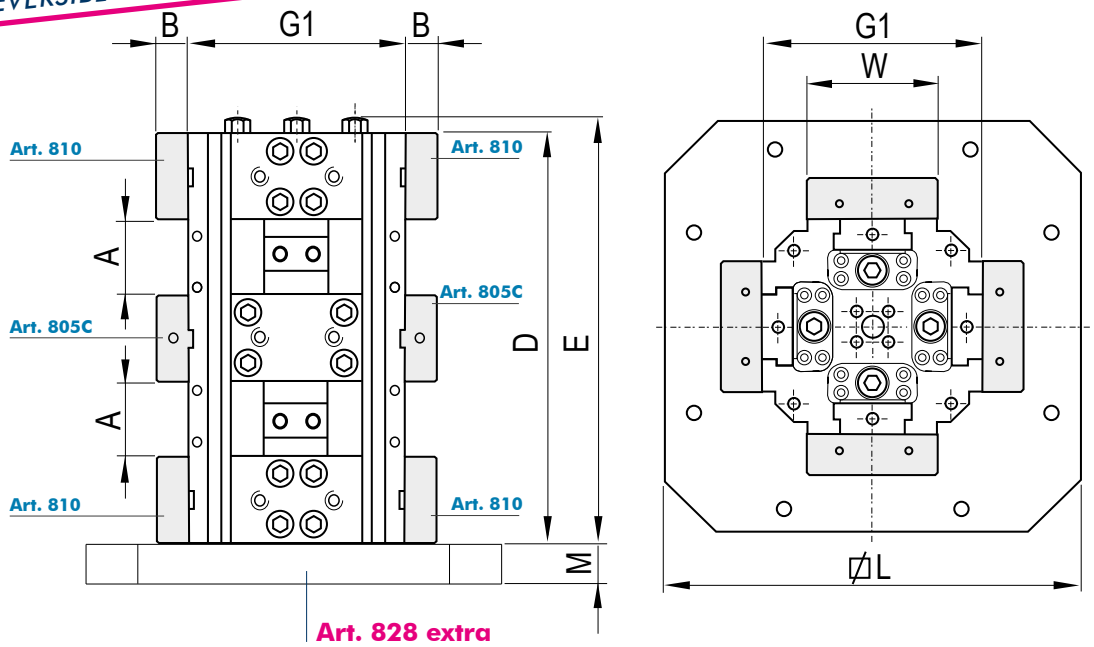
Double FMS vise tower for 8 clamping stations

Art. 855C

Cod.	5.85.5C120	5.85.5C130	5.85.5C230	5.85.5C240	5.85.5C250	5.85.5C260	5.85.5C340	5.85.5C350

Modulo base cubo morsa FMS doppia (senza ganasce)
FMS Double vise tower base (without jaws)

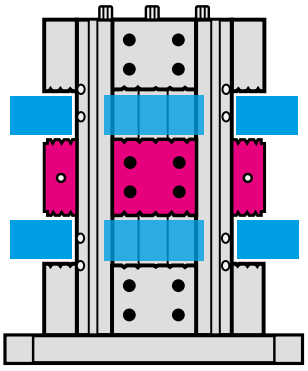
GANASCE REVERSIBILI
REVERSIBLE JAWS





Dotazione standard per Art. 860C
- 1 chiave a pipa Art. 375
- 4 arresti laterali Art. 370
- 2 coppie di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 golfare di sollevamento Art. 848
- Imballo in cassa di legno
- Meccanismo 3a mano

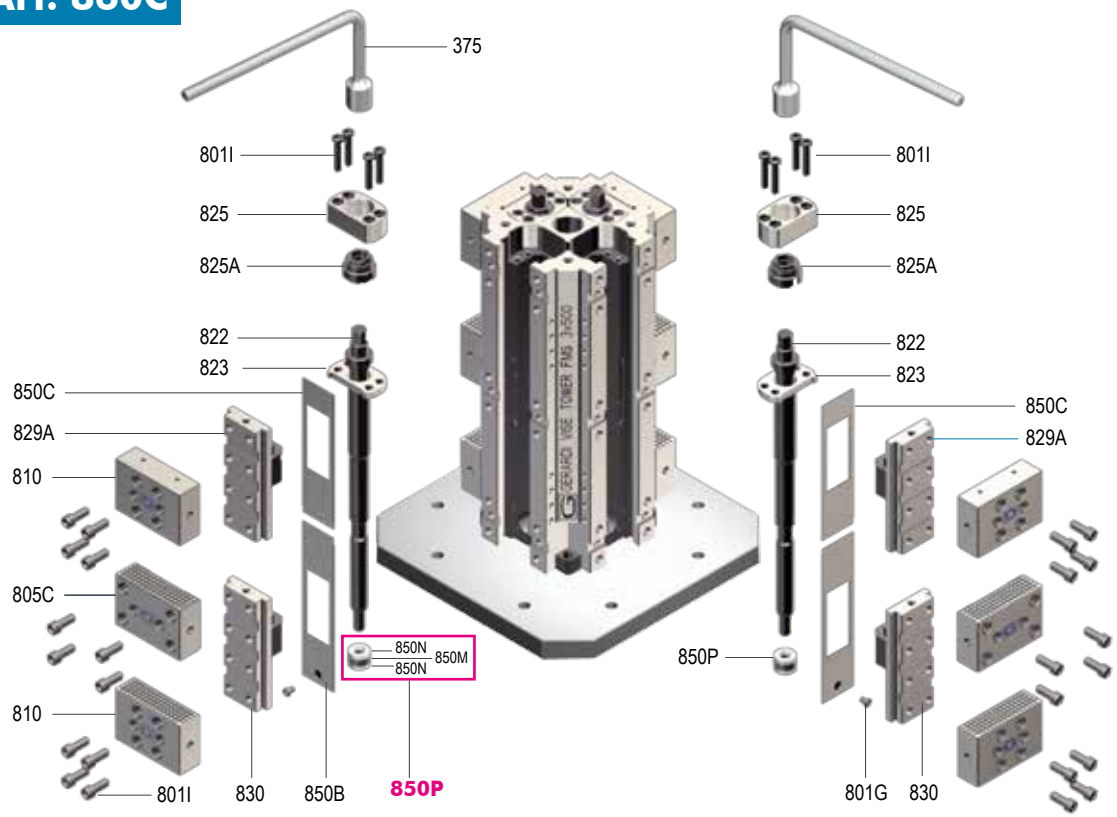
Standard equipment for Art. 860C
- 1 box wrench Art. 375
- 4 workstops Art. 370
- 2 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 lifting hook Art. 848
- Wooden box packaging
- Third hand device



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	2 x 174	2 x 224	2 x 274	2 x 103	2 x 153	2 x 203	2 x 253	2 x 138	2 x 188	2 x 238	2 x 238	2 x 288	2 x 338
B		40				50			60			60	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G1		210				245			280			290	
L		400				450			500			550	
M		38				38			38			38	
W		124				144			169			189	
kg	135	157	180	180	210	252	288	260	303	340	500	562	625
Cod.	5.86.0C360	5.86.0C370	5.86.0C380	5.86.0C450	5.86.0C460	5.86.0C470	5.86.0C480	5.86.0C560	5.86.0C570	5.86.0C580	5.86.0C680	5.86.0C690	5.86.0C610
Cod.	5.85.5C360	5.85.5C370	5.85.5C380	5.85.5C450	5.85.5C460	5.85.5C470	5.85.5C480	5.85.5C560	5.85.5C570	5.85.5C580	5.85.5C680	5.85.5C690	5.85.5C610

GANASCE REVERSIBILI
REVERSIBLE JAWS

Art. 860C



Art.	Pag.
375	4.35
801G	5.61
801I	5.61
805C	5.54
810	5.56
822	5.53
823	5.59
825	5.59
825A	5.61
829A	5.52
830	5.52
850B	5.61
850C	5.61
850P	5.61
-	-
-	-
-	-

Tipo (grandezza) morsa / Vise type (size)		1		2				3	
kN		25 kN		25 kN				30 kN	
Apertura massima Max. opening	A	2 x 60	2 x 110	2 x 118	2 x 168	2 x 218	2 x 268	2 x 162	2 x 212

Art. 863C

Cubo morsa FMS doppio con ganasce a gradino per il serraggio di 8 pezzi



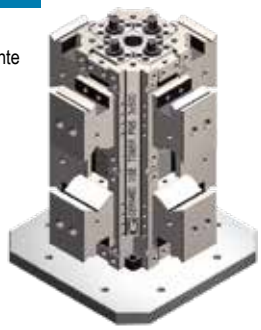
Double FMS vise tower with step-type jaws for 8 clamping stations

Cod.	5.86.3C120	5.86.3C130	5.86.3C230	5.86.3C240	5.86.3C250	5.86.3C260	5.86.3C340	5.86.3C350

Ø Apertura Minima / Massima Ø Minimum - Max Opening	A	10 / 25		10 / 50				25 / 100	

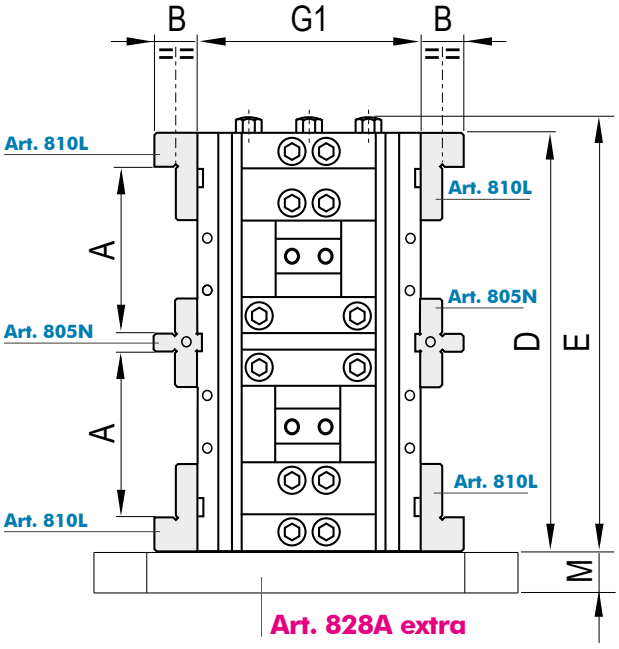
Art. 870C

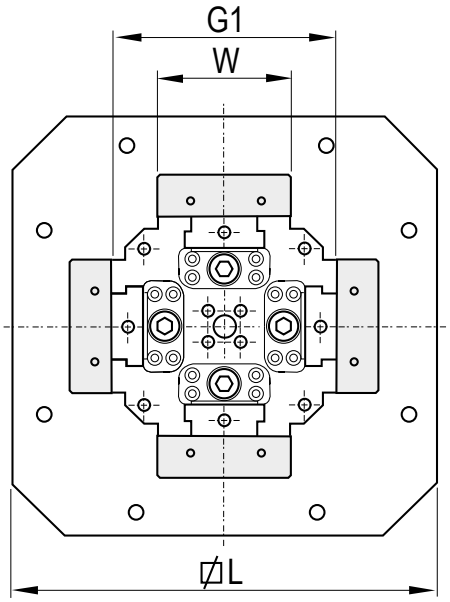
Cubo morsa FMS autocentrante con ganasce prismatiche



Self-centering FMS vise tower with prismatic jaws

Cod.	5.87.0C120	5.87.0C130	5.87.0C230	5.87.0C240	5.87.0C250	5.87.0C260	5.87.0C340	5.87.0C350
D	200	300	300	400	500	600	400	500
E	232	332	320	420	520	620	425	525
G1	120		175				210	
L	300		350				400	
M	33		33				38	
W	74		94				124	
W1	60		75				100	
kg	42	63	68	90	113	130	118	147

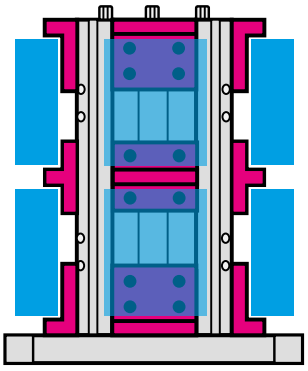




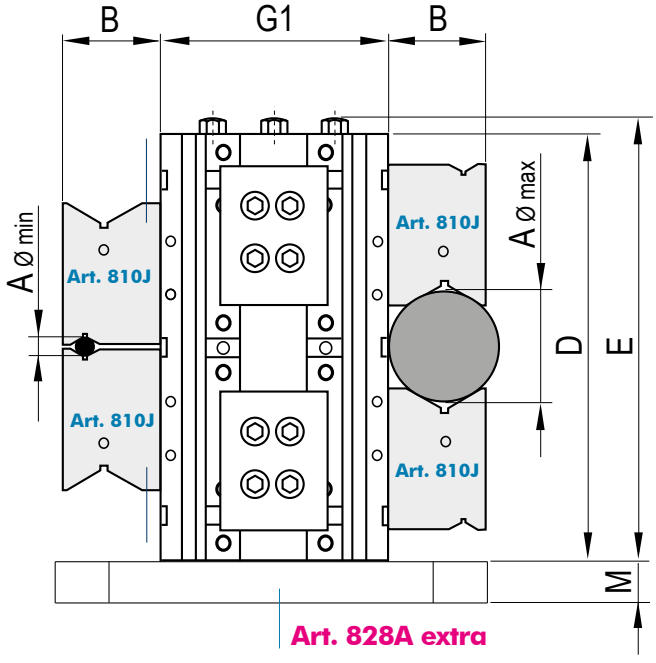


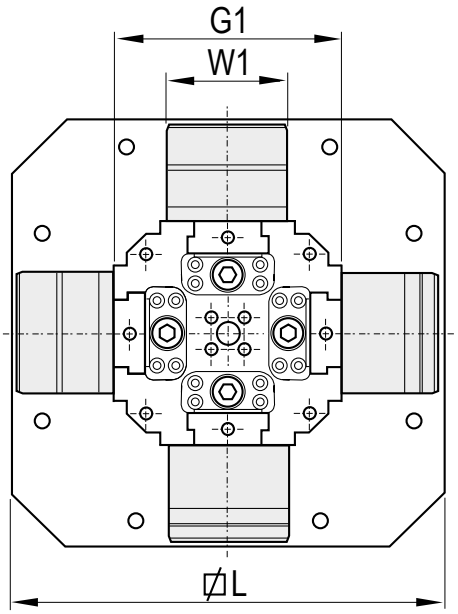
Dotazione standard per Art. 860C
- 1 chiave a pipa Art. 375
- 4 arresti laterali Art. 370
- 2 coppie di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 golfare di sollevamento Art. 848
- Imballo in cassa di legno
- Meccanismo 3a mano

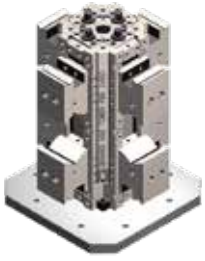
Standard equipment for Art. 860C
- 1 box wrench Art. 375
- 4 workstops Art. 370
- 2 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 lifting hook Art. 848
- Wooden box packaging
- Third hand device



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	2 x 262	2 x 312	2 x 362	2 x 204	2 x 254	2 x 304	2 x 354	2 x 254	2 x 304	2 x 354	2 x 354	2 x 404	2 x 454
Cod.	5.86.3C360	5.86.3C370	5.86.3C380	5.86.3C450	5.86.3C460	5.86.3C470	5.86.3C480	5.86.3C560	5.86.3C570	5.86.3C580	5.86.3C680	5.86.3C690	5.86.3C610
A	25 / 100			30 / 150				35 / 200			40 / 300		
Cod.	5.87.0C360	5.87.0C370	5.87.0C380	5.87.0C450	5.87.0C460	5.87.0C470	5.87.0C480	5.87.0C560	5.87.0C570	5.87.0C580	5.87.0C680	5.87.0C690	5.87.0C610
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
G1		210			245				280			290	
L		400			450				500			550	
M		38			38				38			38	
W		124			144				169			189	
W1		100			132				140			160	
kg	177	206	236	242	290	339	388	328	383	437	656	738	820





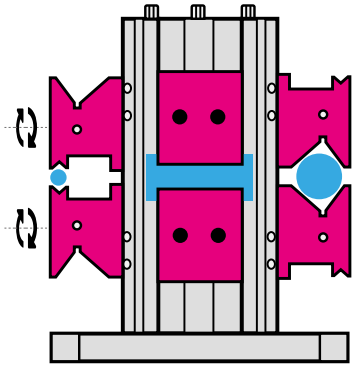


Dotazione standard per
Art. 863C e Art. 870C:

- 1 chiave a pipa Art. 375
- 4 arresti laterali Art. 370
- 2 coppie di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 golfare di sollevamento Art. 848
- Imballo in cassetta di legno
- Meccanismo 3a mano

Standard equipment for
Art. 863C and Art. 870C:

- 1 box wrench Art. 375
- 4 workstops Art. 370
- 2 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 lifting hook Art. 848
- Packaging wooden box
- Third hand device



COMPONENTI PER CUBO FMS
SPARE PARTS FOR FMS CUBE

Art. 855C

3 in 1 VISES SINGLE / DOUBLE / SELF-CENTERING

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

1 Art.801I
VITI PER GANASCE
SCREWS FOR JAWS

2 Art.825A
GHIERA
NUT

3 Art.825B
PIASTRA DI CONTENIMENTO
SCREW HOLDING PLATE

4 Art.823
PIASTRA INTERMEDIA
MIDDLE PLATE

5 Art.804
CORPO BASE CUBO
CUBE BASE BODY

6 Art.822
VITE DI BLOCCAGGIO
MAIN SCREW

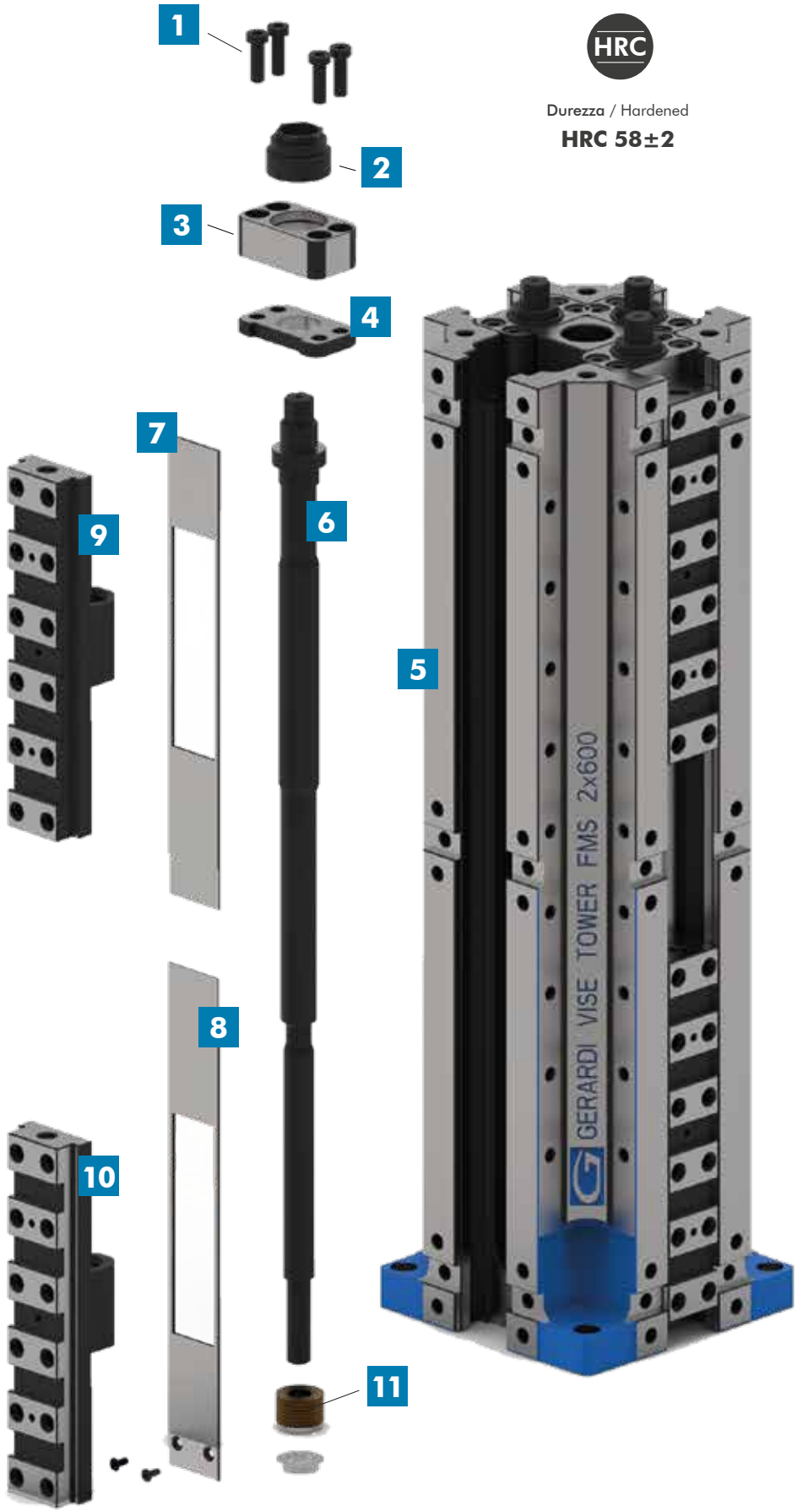
7 Art.850C
RIPARO
PROTECTION

8 Art.850B
RIPARO LATO VITE
PROTECTION SIDE SCREW

9 Art.830
SLITTA FILETTO DESTRO
SLIDE WITH RIGHT THREAD

10 Art.829A
SLITTA FILETTO SINISTRO
SLIDE WITH LEFT THREAD

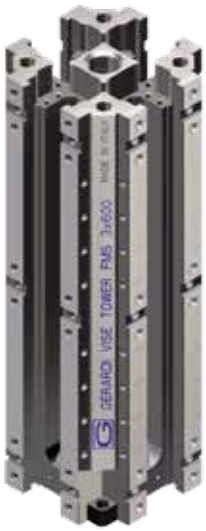
11 Art.850P
DISPOSITIVO TERZA MANO
THIRD HAND DEVICE



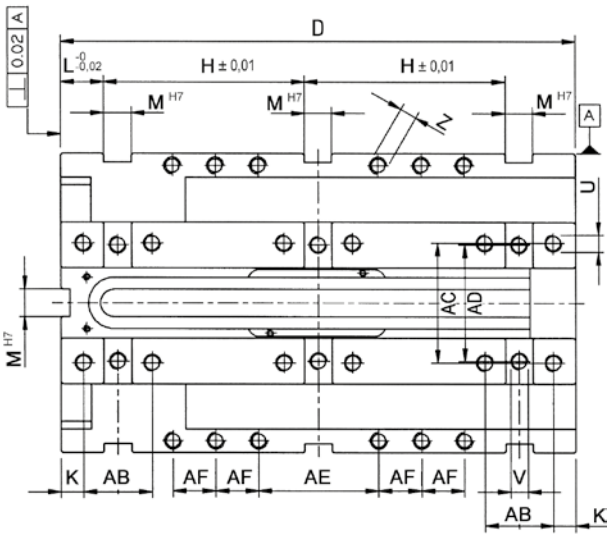
Tipo (grandezza) Type (size)	1		2				3					4				5			6		
Larghezza base / Base lenght	200	300	300	400	500	600	400	500	600	700	800	500	600	700	800	600	700	800	800	900	1000
Cod.	5.80. 41200	5.80. 41300	5.80. 42300	5.80. 42400	5.80. 42500	5.80. 42600	5.80. 43400	5.80. 43500	5.80. 43600	5.80. 43700	5.80. 43800	5.80. 44500	5.80. 44600	5.80. 44700	5.80. 44800	5.80. 45600	5.80. 45700	5.80. 45800	5.80. 46800	5.80. 46900	5.80. 46100

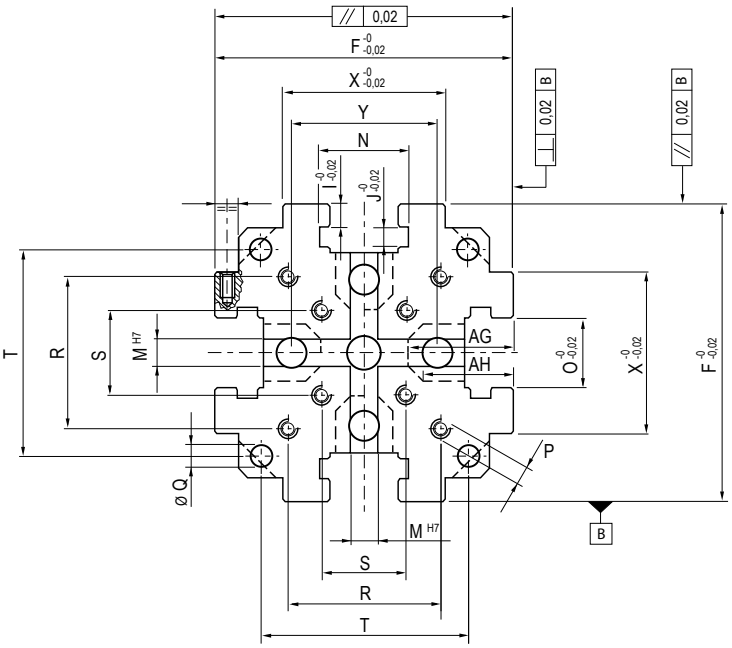
Art. 804

Corpo base cubo FMS.
Disegni e tabella dimensionale
FMS cube base body.
Drawing and table dimension



D	200	300	300	400	300	400	400	500	600	700	800	500	600	700	800	600	700	800	800	900	1000
F	140		175				210					245				280			290		
H	71	121	117	167	217	267	157	207	257	307	357	200	250	300	350	245	295	345	345	395	445
I	10		13				13					20				20			20		
J	10		12				12					18				18			18		
K	13		13				13					20				20			20		
L	21		25				35					42				47			47		
M	16		16				16					16				16			16		
N	45		53				76					86				96			110		
O	35		41				61					71				81			94		
P	M10		M12				M12					M16				M16			M20		
Q	11		13				13					13				17			17		
R	-		100				120					150				150			150		
S	-		40				40					40				50			50		
T	-		120				16					16				16			210		
U	M8		M10				M12					M16				M16			M20		
V	M8		M10				M12					M12				M12			M12		
Z	M10		M10				M10					M10				M10			M10		
X	75		95				125					145				170			190		
Y	70		85				110					125				140			130		
AB	32		40				50					60				68			68		
AC	56		70				92					108				126			144		
AD	56		68				92					106				126			144		
AE	50	70	70				100					100				100			125		
AF	10	25	50				50					50				50			50		
AG	49		62				62					80				95			105		
AH	41		53				72					70				82			95		





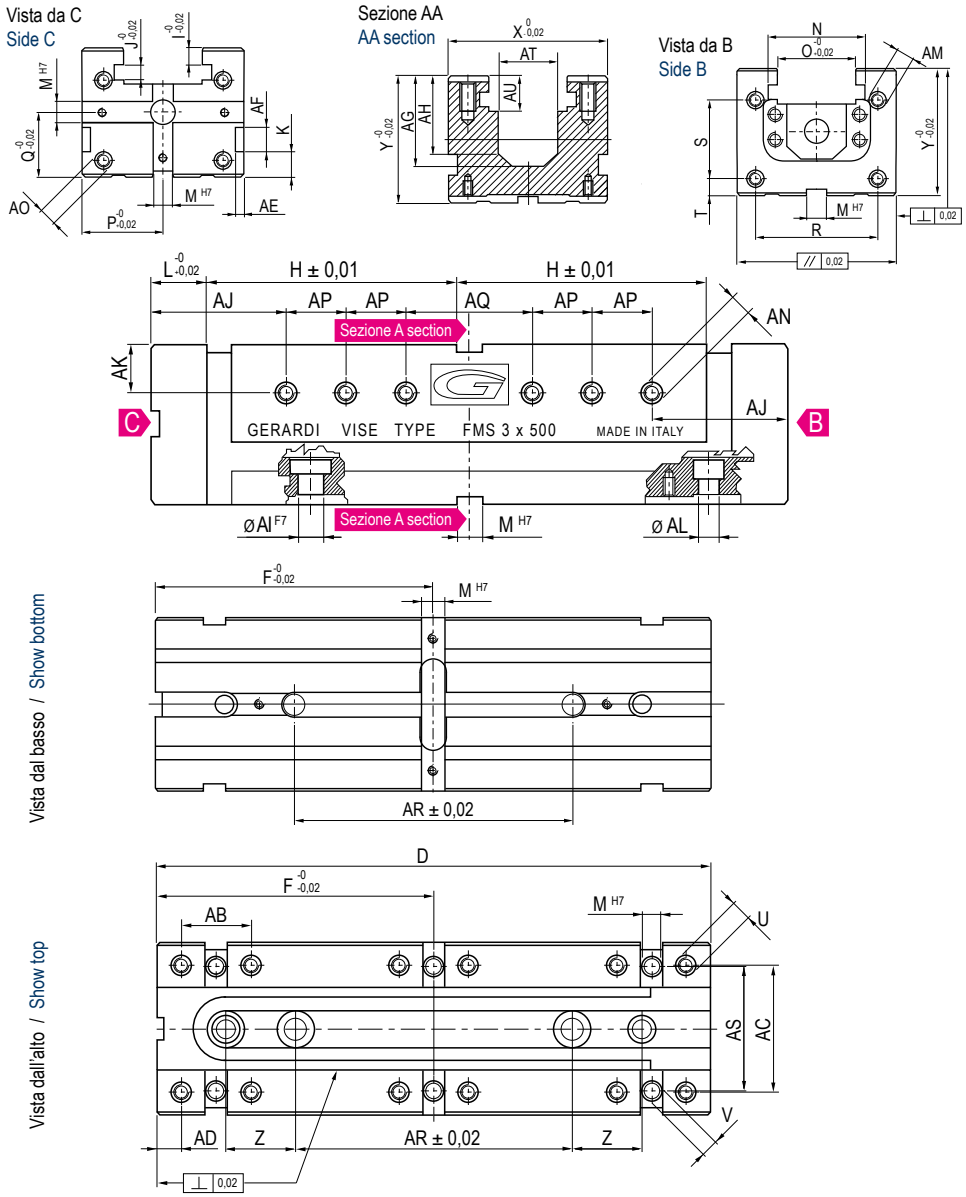
5

5

Tipo (grandezza) morsa / Vise type (size)

Art. 801

Base morsa FMS. Disegni e tabella dimensionale
FMS vise base body. Drawing and table dimension



	1		2	
kg	4,7	7,3	12,8	19
Cod.	5.80. 11200	5.80. 11300	5.80. 12300	5.80. 12400
D	200	300	300	400
F	100	150	150	200
H	71	121	117	167
I	10		13	
J	10		12	
K	15		20	
L	21		25	
M	16		16	
N	45		53	
O	35		41	
P	37,5		47,5	
Q	35		45	
R	52		70	
S	30		48	
T	20		22	
U	M8		M10	
V	M8		M10	
Z	50		50	
X	75		95	
Y	70		90	
AB	32		40	
AC	56		70	
AD	13		13	
AE	4		6	
AF	16		16	
AG	49		62	
AH	41		53	
AI	Ø 16 X 2		Ø 16 X 2	
AJ	55		65	
AK	20		27	
AL	Ø 11		Ø 13	
	n°0	n°2	n° 2	n° 2
AM	M10		M10	
AN	M10		M10	
	n°8	n°12	n° 12	n° 16
AO	M10		M10	
AP	20	25	50	
AQ	50	70	70	
AR	100	200	200	
AS	56		68	
AT	28		34	
AU	23		28	

PIASTRE D'INTERFACCIA ZERO POINT

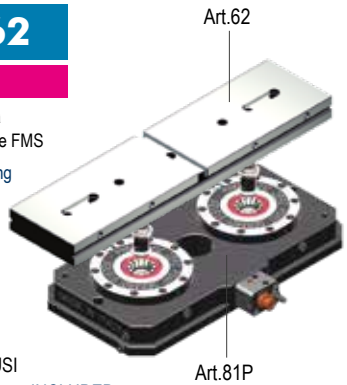
Tipo (grandezza) / Type (size)

Art. 62

FMS

Piastra di interfaccia
Zero Point per morse FMS

Zero Point connecting plate for FMS vises

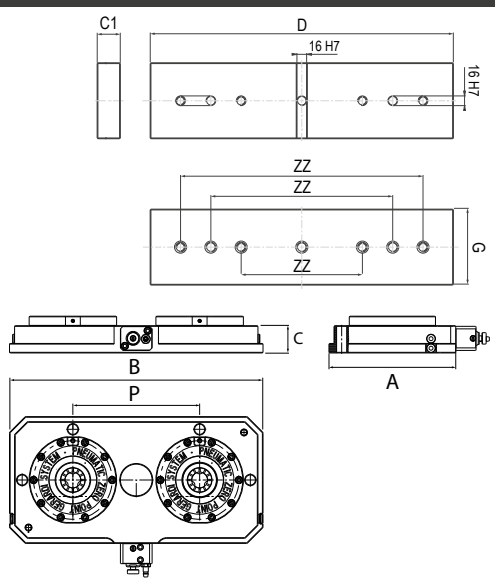


Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

Art. 81P

NEW 2021

Piastra Zero Point in acciaio con montaggio incassato
Zero Point steel plate built-in mounting



	1		2	
D	232	332	300	400
G	75		95	
C1	38		38	
ZZ	200 / 300		200 / 300 / 400	
kg	5	7	11	13,4
Cod.	5.62.12000	5.62.13000	5.62.23000	5.62.24000
A	200		200	
B	400		400	
C	43		43	
Art. 665	Tipo / Type T.2		Tipo / Type T.2	
P	200		200	
kg	29		29	
Cod.	9.81.P2040S2		9.81.P2040S2	

	2		3					4				5			6		
kg	23	27	26	31	39	46	52	47	56	65	75	71	82	94	140	156	174
Cod.	5.80. 12500	5.80. 12600	5.80. 13400	5.80. 13500	5.80. 13600	5.80. 13700	5.80. 13800	5.80. 14500	5.80. 14600	5.80. 14700	5.80. 14800	5.80. 15600	5.80. 15700	5.80. 15800	5.80. 16800	5.80. 16900	5.80. 16100
D	500	600	400	500	600	700	800	500	600	700	800	600	700	800	800	900	1000
F	250	300	200	250	300	350	400	250	300	350	400	300	350	400	400	450	500
H	217	267	157	207	257	307	357	200	250	300	350	245	295	345	345	395	445
I	13				13					20			20			20	
J	12				12					18			18			18	
K	20				20					20			26			26	
L	25				35					42			47			47	
M	16				16					16			16			16	
N	53				76					86			96			110	
O	41				61					71			82			94	
P	47,5				62,5					72,5			85			95	
Q	45				50					60			70			80	
R	70				92					108			126			144	
S	48				62					72			92			100	
T	22				13					16			18			20	
U	M10				M12					M16			M16			M20	
V	M10				M12					M12			M12			M12	
Z	50				50					50			50			50	
X	95				125					145			170			190	
Y	90				100					120			140			160	
AB	40				50					60			68			68	
AC	70				92					108			126			144	
AD	13				18					20			21			20	
AE	6				6					10			10			10	
AF	16				16					16			16			16	
AG	62				72					80			95			105	
AH	53				62					70			82			95	
AI	Ø 16 x 2				Ø 16 x 2					Ø 16 x 2			Ø 16 x 2			Ø 16 x 2	
AJ	65				100					100			100			125	
AK	27				32					40			48			58	
AL	Ø 13				Ø 13					Ø 13			Ø 17			Ø 17	
	n° 4	n° 6	n° 2	n° 4	n° 6	n° 8	n° 10	n° 4	n° 6	n° 8	n° 10	n° 6	n° 8	n° 10	n° 10	n° 12	n° 14
AM	M10				M12					M12			M16			M20	
AN	M10				M10M					M10			M10				
	n° 20	n° 24	n° 8	n° 12	n° 16	n° 20	n° 24	n° 12	n° 16	n° 20	n° 24	n° 16	n° 20	n° 24	n° 24	n° 28	n° 32
AO	M10				M12					M16			M16			M20	
AP	50				50					50			50			50	
AQ	70				100					100			100			125	
AR	200				200					200		400	400	600	400	400	400
AS	68				92					106			126			144	
AT	34				44					44			52			49	
AU	28				28					41			41			41	

ZERO POINT CONNECTING PLATES

	2		3					4				5			6		
D	500	600	400	500	600	700	800	500	600	700	800	600	700	800	800	900	1000
G	95				125					145			170			190	
C1	38				38					38			38			38	
ZZ	200 / 300 / 400				200 / 300 / 400					200 / 300 / 400			200 / 300 / 400			200 / 300 / 400	
kg	16,1	18,9	13,9	17,8	21,5	25,1	28,5	20,8	25	29,3	33,5	29	34	39	44	49	55
Cod.	5.62.25000	5.62.26000	5.62.34000	5.62.35000	5.62.36000	5.62.37000	5.62.38000	5.62.45000	5.62.46000	5.62.47000	5.62.48000	5.62.56000	5.62.57000	5.62.58000	5.62.68000	5.62.69000	5.62.61000
A	200		200	200	200		200	200	200		200	200		200	200		200
B	600		400	500	600		800	500	600		800	600		800	800		1000
C	43		43					43				43			53		
Art. 665	Tipo / Type T.2		Tipo / Type T.2					Tipo / Type T.2				Tipo / Type T.2			Tipo / Type T.3		
P	300		200	250	200x2		300x2	250	200x2		300x2	200x2		300x2	300x2		400x2
kg	42		29	41	42		59	41	42		59	42		59	68,5		81,5
Cod.	9.81.P2060S2		9.81. P2040S2	9.81. P2060S2	9.81.P2060S3		9.81. P2080S3	9.81. P2060S2	9.81.P2060S3		9.81. P2080S3	9.81.P2060S3		9.81. P2080S3	9.81.P32080S3		9.81. P320100S3

Tipo (grandezza) Type (size)	1		2				3					4				5			6		
Larghezza base / Base lenght	200	300	300	400	500	600	400	500	600	700	800	500	600	700	800	600	700	800	800	900	1000

Art. 818

Slitta integrale lunga
Solid long slide



Cod.	5.81. 81200	5.81. 81300	5.81. 82300	5.81. 82400	5.81. 82500	5.81. 82600	5.81. 83400	5.81. 83500	5.81. 83600	5.81. 83700	5.81. 83800	5.81. 84500	5.81. 84600	5.81. 84700	5.81. 84800	5.81. 85600	5.81. 85700	5.81. 85800	5.81. 86800	5.81. 86900	5.81. 86100
A	18		24				30					30				36			36		
A1	18		18				24					24				30			30		
A2	24		24				30					30				36			36		
B	35		45				50					60				70			80		
C	170	264	256	356	456	556	346	446	546	646	746	435	535	635	735	525	625	725	725	825	925
D	M8		M10				M12					M16				M16			M20		
E	72	116	102	142	182	222	132	182	232	282	332	156	216	276	336	174	242	310	242	310	378
F	48,5		61,5				71					80				95			106		
G	15	18	23				33					40				45			45		
H	2	3	2	3	4	5	2	3	4	5	6	2	3	4	5	2	3	4	2	3	4
I	10		13				13					20				20			20		
J	10		12				12					18				18			18		
K	-	-	5	7	9		5					5				6			9		
L	44		51				74					84				95			108		
M	16		16				16					16				16			16		
N	20		23				33					40				45			45		
O	35		41				61					71				82			94		
S	26	32	40				50					60				68			68		
T	20		25				38					44				44			54		
V	27		33				43					43				51			48		
W	10	16	24				34					44				52			52		

Art. 829A

Slitta con filetto destro
Slide with right thread



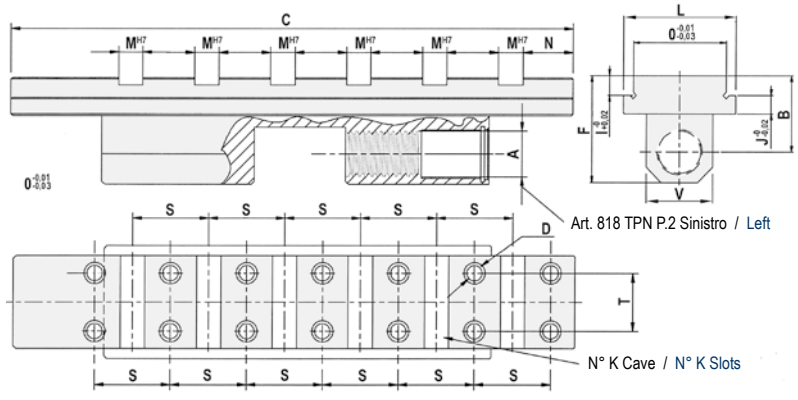
Cod.	5.82. 9A120	5.82. 9A130	5.82. 9A230	5.82. 9A240	5.82. 9A250	5.82. 9A260	5.82. 9A340	5.82. 9A350	5.82. 9A360	5.82. 9A370	5.82. 9A380	5.82. 9A450	5.82. 9A460	5.82. 9A470	5.82. 9A480	5.82. 9A560	5.82. 9A570	5.82. 9A580	5.82. 9A680	5.82. 9A690	5.82. 9A610

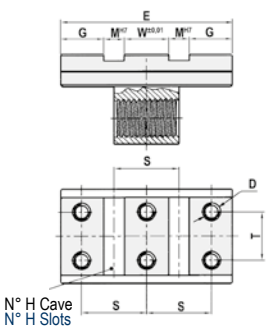
Art. 830

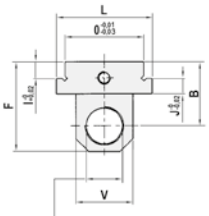
Slitta con filetto sinistro
Slide with left thread



Cod.	5.83. 01200	5.83. 01300	5.83. 02300	5.83. 02400	5.83. 02500	5.83. 02600	5.83. 03400	5.83. 03500	5.83. 03600	5.83. 03700	5.83. 03800	5.83. 04500	5.83. 04600	5.83. 04700	5.83. 04800	5.83. 05600	5.83. 05700	5.83. 05800	5.83. 06800	5.83. 06900	5.83. 06100







A1 Art. 829A TPN P.2 Destro / Right
A2 Art. 830 TPN P.2 Sinistro / Left

Tipo (grandezza) Type (size)	1		2				3					4				5			6		
Larghezza base / Base lenght	200	300	300	400	500	600	400	500	600	700	800	500	600	700	800	600	700	800	800	900	1000

Art. 821

Vite di bloccaggio con filetto sinistro
Main screw left thread



Cod.	5.82.11300		5.82.12600				5.82.14800					5.82.14800				5.82.16100			5.82.16100		
A	18		24				30					30				36			36		
A1	18		18				24					24				30			30		
A2	20		24				30					30				36			36		
B	16		16				19					19				19			19		
C	-		-				-					-				-			-		
D	35		35				45					45				48			48		
E	20		25				30					30				30			30		
F	82		33				42					42				115			115		
G	13		12				16					16				15			15		
H	152		135				136					186				225			225		
I	65		90				118					118				135			135		
J	14		12				15					15				20			20		
K	5		12				26					26				55			55		
L	55		9				11					11				80			80		
M	14		19				24					24				30			30		
N	242	333	308	399	500	600	414	499	599	699	822	499	599	699	797	610	700	790	790	881	961
O	12	17	25	32	52	52	25	35	54	87	121	35	54	87	121	47	71	101	101	81	100
P	65	84	84	98	116	151	123	123	140	124	118	123	140	124	118	176	158	140	140	205	187
Q	32	66	66	106	134	164	82	132	160	226	282	132	160	226	282	124	192	256	256	245	308
R	68	85	75	94	116	136	118	118	140	124	118	118	140	124	118	176	158	140	140	205	187
S	44	6	38	49	62	77	41	66	80	113	136	66	80	113	136	62	96	128	128	120	154
T	32		32				38					38				45			45		
U	21		15		20		25					25				25			25		
AA	10		10				15					15				22			22		
AB	10		10				12					12				15			15		

Art. 822

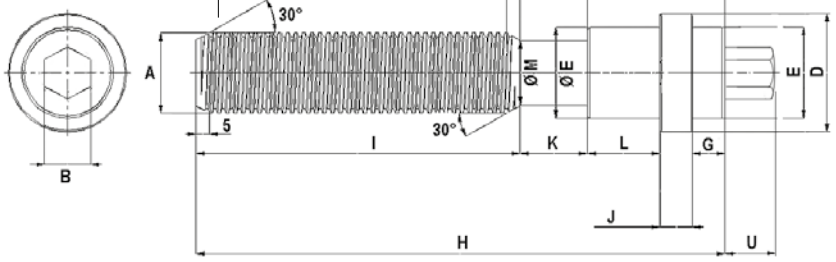
Vite di bloccaggio con filetto destro e sinistro
Main screw right and left thread

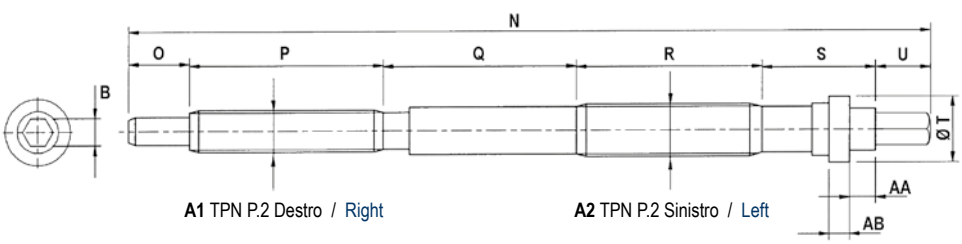
Viti con esagono maschio o femmina a seconda delle dimensioni
Screw available with external or internal exagon



Cod.	5.82. 21200	5.82. 21300	5.82. 22300	5.82. 22400	5.82. 22500	5.82. 22600	5.82. 23400	5.82. 23500	5.82. 23600	5.82. 23700	5.82. 23800	5.82. 24500	5.82. 24600	5.82. 24700	5.82. 24800	5.82. 25600	5.82. 25700	5.82. 25800	5.82. 26800	5.82. 26900	5.82. 26100

TPN P.2 Sinistro / Left

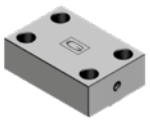
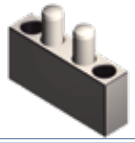




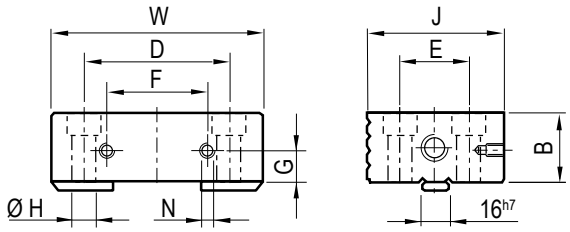
A1 TPN P.2 Destro / Right

A2 TPN P.2 Sinistro / Left

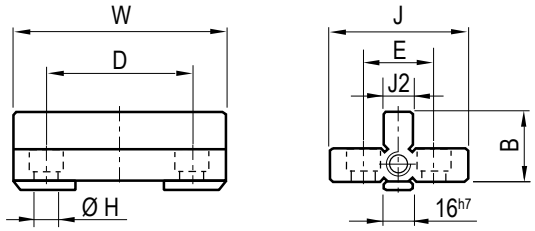
GANASCE FISSE PER MORSE FMS
FIXED JAWS FOR FMS VISES

Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art. 805* Ganascia fissa zigrinata da un lato / Fixed jaw one side serrated		Cod. 5.80.51000	5.80.52000	5.80.53000	5.80.54000	5.80.55000	5.80.56000
Art. 805A* Ganascia fissa liscia / Smooth fixed jaw		Cod. 5.80.5A100	5.80.5A200	5.80.5A300	5.80.5A400	5.80.5A500	5.80.5A600
Art. 805B* Ganascia fissa dolce / Soft fixed jaw		Cod. 5.80.5B100	5.80.5B200	5.80.5B300	5.80.5B400	5.80.5B500	5.80.5B600
Art. 805C* Ganascia fissa zigrinata da ambo i lati / Fixed jaw serrated on both sides		Cod. 5.80.5C100	5.80.5C200	5.80.5C300	5.80.5C400	5.80.5C500	5.80.5C600
Art. 870A* Ganascia fissa intermedia alta / Fixed Intermediate high jaw		Cod. 5.87.0A100	5.87.0A200	5.87.0A300	5.87.0A400	5.87.0A500	5.87.0A600

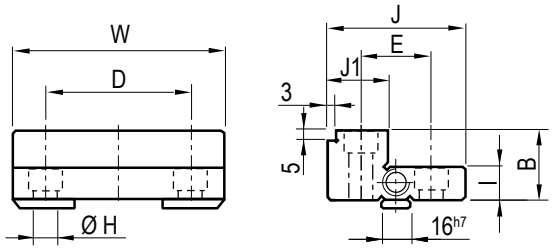
Art. 805 (Montata su Art. 860) / (Assembled on Art. 860)



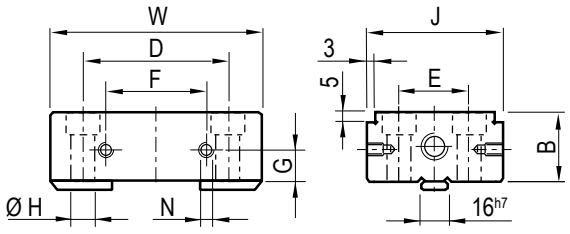
Art. 805N (Montata su Art. 863) / (Assembled on Art. 863)



Art. 805O Ganascia fissa con gradino piccolo e grande / Fixed jaw with small and large step



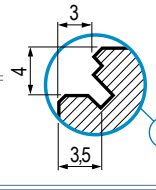
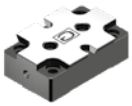
Art. 805F (Montata su Art. 866) / (Assembled on Art. 866)



Tipo (grandezza) morsa / Vise (type) size

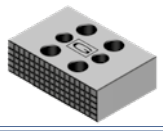
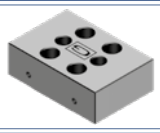
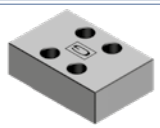
mm	1	2	3	4	5	6	Tolleranze Tolerance
W	74	94	124	144	169	189	-
J	56	64	84	98	108	108	- 0,02
J1	24	24	30	38	38	38	
J2	16	16	16	16	16	16	
B	25	30	40	50	60	60	- 0,02
D	56	70	92	108	126	144	-
E	32	40	50	60	68	68	-
F	40	50	65	65	65	100	-
G	10	10	15	20	25	25	-
H	9	11	13	17	17	22	-
I	12,5	15	20	25	30	30	- 0,02
N	M5	M6	M6	M6	M6	M6	-

* Set viti per fissaggio a richiesta - Fixing screws set on request

Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art. 805D* Ganascia fissa con gradino 3x5 zigrinata da un lato / Fixed jaw with 3x5 step on side serrated		Cod. 5.80.5D100	5.80.5D200	5.80.5D300	5.80.5D400	5.80.5D500	5.80.5D600
Art. 805E* Ganascia fissa con gradino 3x5 liscia / Fixed jaw with 3x5 step smooth		Cod. 5.80.5E100	5.80.5E200	5.80.5E300	5.80.5E400	5.80.5E500	5.80.5E600
Art. 805F* Ganascia fissa con doppio gradino 3x5 liscia / Fixed jaw with double 3x5 step smooth		Cod. 5.80.5F100	5.80.5F200	5.80.5F300	5.80.5F400	5.80.5F500	5.80.5F600
Art. 805G* Ganascia fissa con doppio gradino 3x5 zigrinata / Fixed jaw with double 3x5 step serrated		Cod. 5.80.5G100	5.80.5G200	5.80.5G300	5.80.5G400	5.80.5G500	5.80.5G600
Art. 805H* Ganascia fissa con prisma verticale / Fixed jaw with vertical prism		Cod. 5.80.5H100	5.80.5H200	5.80.5H300	5.80.5H400	5.80.5H500	5.80.5H600
Art. 805I* Ganascia fissa con doppio prisma verticale / Fixed jaw with double vertical prism		Cod. 5.80.5I100	5.80.5I200	5.80.5I300	5.80.5I400	5.80.5I500	5.80.5I600
Art. 805J* Ganascia fissa con prisma orizzontale / Fixed jaw with horizontal prism		Cod. 5.80.5J100	5.80.5J200	5.80.5J300	5.80.5J400	5.80.5J500	5.80.5J600
Art. 805K* Ganascia fissa con doppio prisma orizzontale / Fixed jaw with double horizontal prism		Cod. 5.80.5K100	5.80.5K200	5.80.5K300	5.80.5K400	5.80.5K500	5.80.5K600
Art. 805L* Ganascia fissa con gradino / Step fixed jaw		Cod. 5.80.5L100	5.80.5L200	5.80.5L300	5.80.5L400	5.80.5L500	5.80.5L600
Art. 805M* Ganascia fissa con gradino zigrinata da un lato / Step fixed jaw one side serrated		Cod. 5.80.5M100	5.80.5M200	5.80.5M300	5.80.5M400	5.80.5M500	5.80.5M600
Art. 805N* Ganascia fissa con doppio gradino / Fixed jaw with double step		Cod. 5.80.5N100	5.80.5N200	5.80.5N300	5.80.5N400	5.80.5N500	5.80.5N600
Art. 805O* Ganascia fissa con gradino piccolo e grande liscia da un lato / Fixed jaw with small and large step on side smooth		Cod. 5.80.5O100	5.80.5O200	5.80.5O300	5.80.5O400	5.80.5O500	5.80.5O600
Art. 805P* Ganascia fissa con gradino piccolo e grande zigrin. da un lato / Fixed jaw with small and large step one side serrated		Cod. 5.80.5P100	5.80.5P200	5.80.5P300	5.80.5P400	5.80.5P500	5.80.5P600
Art. 805Q* Ganascia fissa doppia con gradino piccolo e grande / Double fixed jaw with small and large step		Cod. 5.80.5Q100	5.80.5Q200	5.80.5Q300	5.80.5Q400	5.80.5Q500	5.80.5Q600
Art. 805R* Ganascia fissa in alluminio / Fixed jaw aluminium		Cod. 5.80.5R100	5.80.5R200	5.80.5R300	5.80.5R400	5.80.5R500	5.80.5R600
Art. 805T* Ganascia fissa doppia GRIP per forti serraggi / GRIP Double fixed jaw for strongest clamping	 	Cod. 5.80.5T100	5.80.5T200	5.80.5T300	5.80.5T400	5.80.5T500	5.80.5T600
Art. 805DT* Ganascia fissa a coda di rondine / Dove tail fixed jaw	 	Richiedere scheda tecnica - Technical data sheet on request Cod. 5.80.5DT10	5.80.5DT20	5.80.5DT30	5.80.5DT40	5.80.5DT50	5.80.5DT60

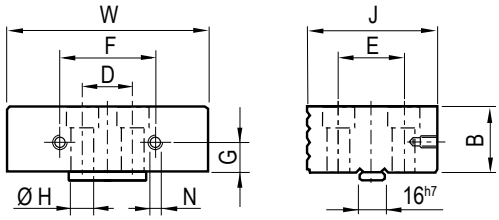
* Set viti per fissaggio a richiesta - Set of fixing screws on request

GANASCE MOBILI PER MORSE FMS
MOVABLE JAWS FOR FMS VISES

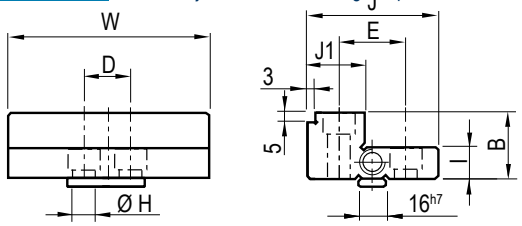
Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art. 810* Ganascia mobile zigrinata da un lato / Movable jaw one side serrated		Cod. 5.81.01000	5.81.02000	5.81.03000	5.81.04000	5.81.05000	5.81.06000
Art. 810A* Ganascia mobile liscia / Smooth movable jaw		Cod. 5.81.0A100	5.81.0A200	5.81.0A300	5.81.0A400	5.81.0A500	5.81.0A600
Art. 810B* Ganascia mobile dolce / Soft movable jaw		Cod. 5.81.0B100	5.81.0B200	5.81.0B300	5.81.0B400	5.81.0B500	5.81.0B600
Art. 810D* Ganascia mobile con gradino 3x5 zigrinata da un lato / Movable jaw with 3x5 step on side serrated		Cod. 5.81.0D100	5.81.0D200	5.81.0D300	5.81.0D400	5.81.0D500	5.81.0D600
Art. 814* Base mobile per ganasce fisse / Movable base for fixed jaws		Cod. 5.81.41000	5.81.42000	5.81.43000	5.81.44000	5.81.45000	5.81.4.6000

Predisposizione per tutte le ganasce FMS fisse - Fit all FMS fixed jaws

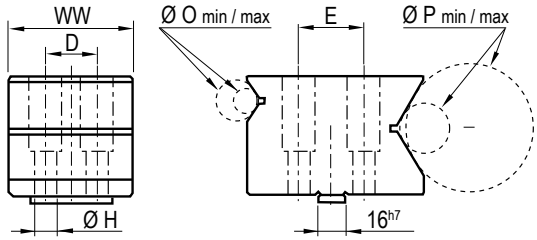
Art. 810 (Montata su Art. 860) / (Assembled on Art. 860)



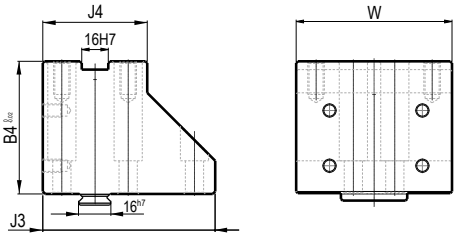
Art. 810O Ganascia mobile con gradino piccolo e grande / Movable jaw with small and large step



Art. 810J (Montata su Art. 870) / (Assembled on Art. 870)

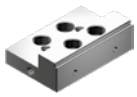
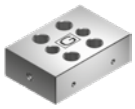
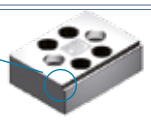


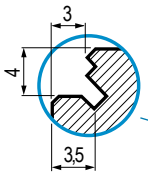
Art. 814 Base mobile per ganasce fisse - Movable base for fixed jaws



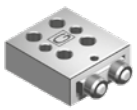
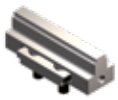
Tipo / Type	1x200	1x300	2	3	4	5	6	Tolleranze Tolerance
W	74		94	124	144	169	189	-
WW	60		75	100	132	140	160	-
B	25		30	40	50	60	60	- 0,02
B4	60		80	90	110	120	160	- 0,02
D	20		25	38	44	44	54	-
E	26	32	40	50	60	68	68	-
F	40		50	65	65	65	100	-
G	10		10	15	20	25	25	-
H	9		11	13	17	17	22	-
I	12,5		15	20	25	30	30	- 0,02
J	56		64	82	98	108	108	- 0,02
J1	24		24	30	38	38	38	- 0,02
J3	76	76	104	134	158	169	189	-
J4	55		63	83	97	106	107	-
N	M5		M6	M6	M6	M6	M6	-
Ø O	10 / 15		20 / 30	25 / 30	20 / 60	35 / 70	40 / 80	-
Ø P	10 / 25		20 / 50	40 / 100	45 / 150	63 / 200	73 / 300	-

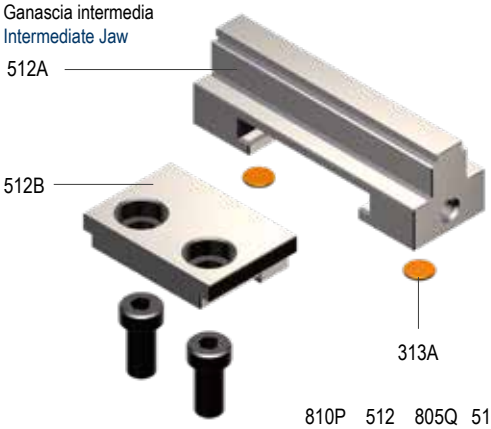
* Set viti per fissaggio a richiesta - Fixing screws set on request

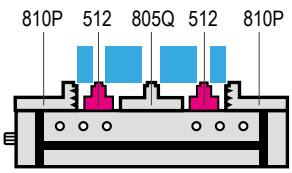
Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art. 810E* Ganascia mobile con gradino 3x5 liscia / Movable jaw with 3x5 step smooth		Cod.	5.81.0E100	5.81.0E200	5.81.0E300	5.81.0E400	5.81.0E500	5.81.0E600
Art. 810J* Ganascia mobile prismatica per tondi liscia / Prismatic movable jaw for round parts smooth		Cod.	5.81.0J100	5.81.0J200	5.81.0J300	5.81.0J400	5.81.0J500	5.81.0J600
Art. 810K* Ganascia mobile prismatica per tondi zigrinata / Prismatic movable jaw for round parts serrated		Cod.	5.81.0K100	5.81.0K200	5.81.0K300	5.81.0K400	5.81.0K500	5.81.0K600
Art. 810L* Ganascia mobile con gradino / Step movable jaw		Cod.	5.81.0L100	5.81.0L200	5.81.0L300	5.81.0L400	5.81.0L500	5.81.0L600
Art. 810M* Ganascia mobile con gradino zigrinata da un lato / Step movable jaw one side serrated		Cod.	5.81.0M100	5.81.0M200	5.81.0M300	5.81.0M400	5.81.0M500	5.81.0M600
Art. 810O* Ganascia mobile con gradino piccolo e grande / Movable jaw with small and large step		Cod.	5.81.0O100	5.81.0O200	5.81.0O300	5.81.0O400	5.81.0O500	5.81.0O600
Art. 810P* Ganascia mobile con gradino piccolo e grande zigrin. da un lato / Movable jaw with small and large step one side serrated		Cod.	5.81.0P100	5.81.0P200	5.81.0P300	5.81.0P400	5.81.0P500	5.81.0P600
Art. 810R* Ganascia mobile in alluminio / Movable jaw aluminium		Cod.	5.81.0R100	5.81.0R200	5.81.0R300	5.81.0R400	5.81.0R500	5.81.0R600
Art. 810T* Ganascia mobile GRIP per forti serraggi / GRIP movable jaw for strongest clamping		Cod.	5.81.0T100	5.81.0T200	5.81.0T300	5.81.0T400	5.81.0T500	5.81.0T600

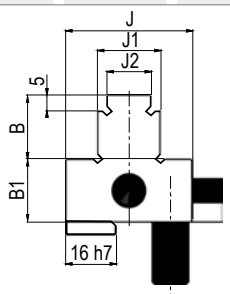


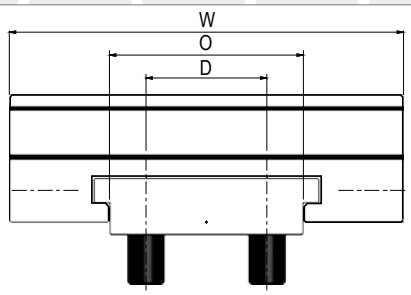
Richiedere scheda tecnica - Technical data sheet on request

Art. 810DT Ganascia mobile a coda di rondine / Dove tail movable jaw	 	Cod.	5.81.0DT10	5.81.0DT20	5.81.0DT30	5.81.0DT40	5.81.0DT50	5.81.0DT60
Art. 810V* Ganascia mobile con segmenti oscillanti / Movable jaw with floating inserts		Cod.	5.81.0V100	5.81.0V200	5.81.0V300	5.81.0V400	5.81.0V500	5.81.0V600
Art. 512* Ganascia intermedia / Intermediate Jaw		Cod.	5.51.21000	5.51.22000	5.51.23000	5.51.24000	5.51.25000	5.51.26000









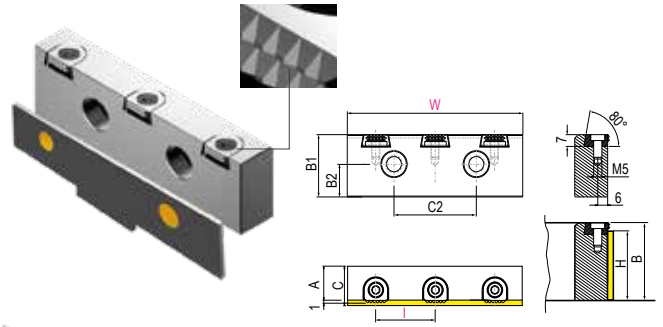
Type	1	2	3	4	5	6
W	74	94	124	144	169	189
J	25	35	40	40	50	50
J1	15	15	20	20	30	30
J2	9	9	14	14	19	19
B / B1	12,5	15	20	25	30	30
D	20	25	38	44	44	54
O	34	40	60	70	81	93

* Set viti per fissaggio a richiesta - Set of fixing screws on request

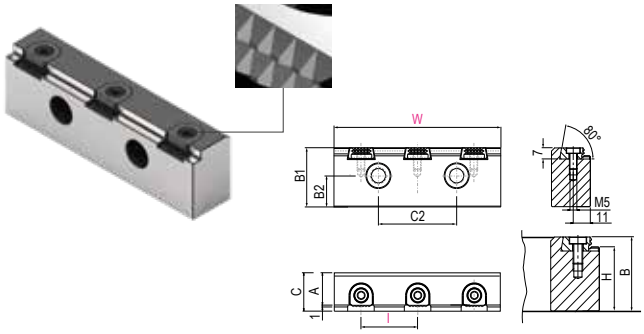
PIASTRE GANASCE PIANE CON INSERTI GRIP
STRAIGHT INSERT GRIP JAW PLATES

NEW 2021

Art. 547G Piastra Piana con inserti GRIP
Straight plate with GRIP inserts



Art. 547K Piastra Piana a grardino integrale con inserti GRIP
Straight integral step plate with GRIP inserts





Dotazione Standard - Standard Equipment
1 pc. Art.313 parallela magnetica - 1 pc. Art.313 magnetic parallel

Tipe Type	1	2	3	4	5	6
W	74	94	124	144	169	189
I	26	33	23,5	29,5	23	27
C	22,7	22,7	22,7	22,7	22,7	22,7
C2	40	50	65	65	65	100
B	25	30	40	50	60	60
B1	25	30	40	50	60	60
B2	**10**	**10**	**15**	**20**	**25**	**25**
A	**20**	**20**	**20**	**20**	**20**	**20**
H	**20**	**25**	**35**	**45**	**55**	**55**
Cod.	5.54.7G100	5.54.7G200	5.54.7G300	5.54.7G400	5.54.7G500	5.54.7G600

Tipe Type	1	2	3	4	5	6
W	74	94	124	144	169	189
I	26	33	23,5	29,5	23	27
C	25	25	25	25	25	25
C2	40	50	65	65	65	10
B	25	30	40	50	60	60
B1	25	30	40	50	60	60
B2	**10**	**10**	**15**	**20**	**25**	**25**
A	**20**	**20**	**20**	**20**	**20**	**20**
H	**20**	**25**	**35**	**45**	**55**	**55**
Cod.	5.54.7K100	5.54.7K200	5.54.7K300	5.54.7K400	5.54.7K500	5.54.7K600

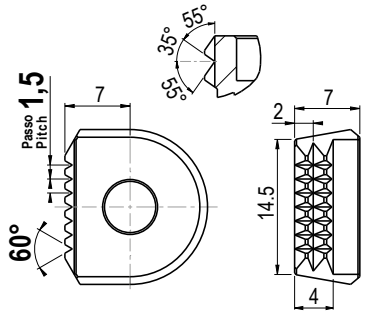
INSERTI GRIP PER MORSE FMS
INSERT GRIP JAW PLATES FOR FMS VISES

Art. 220 G01



Per materiali di durezza normale
For standard workpieces hardness clamping

Cod. 4.22.01000 / G01

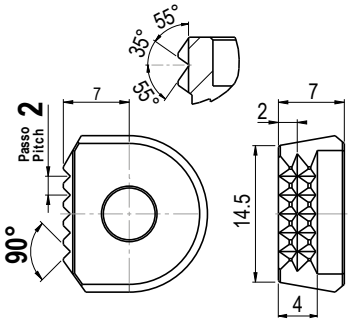


Art. 220 G02

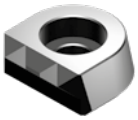


Per materiali di notevole durezza.
For hardened workpieces clamping

Cod. 4.22.01000 / G02

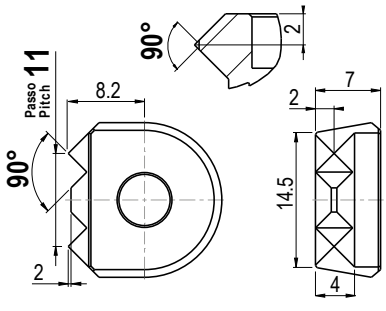


Art. 220 G11



Per materiali teneri
For soft material clamping

Cod. 4.22.01000 / G11



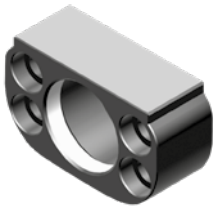
Tipo / Type	1	2	3	4	5	6
 Art.547G - Art.547K	 3 pcs each	 3 pcs each	 5 pcs each	 5 pcs each	 7 pcs each	 7 pcs each
Viti a testa bassa M5 x 10mm Low head screws M5 x 10mm	 3 pcs each	 3 pcs each	 5 pcs each	 5 pcs each	 7 pcs each	 7 pcs each

PIASTRE PER MORSE FMS
PLATES FOR FMS VISES

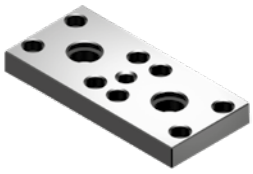
Tipo (grandezza) / Type (size)	1	2	3	4	5	6
Art. 823 Piastra intermedia per Art. 855 Middle plate for Art. 855	Cod. 5.82.31000	5.82.32000	5.82.33000	5.82.34000	5.82.35000	5.82.36000
Art. 823B Piastra intermedia per Art. 800 Middle plate for Art. 800	Cod. 5.82.3B100	5.82.3B200	5.82.3B300	5.82.3B400	5.82.3B500	5.82.3B600



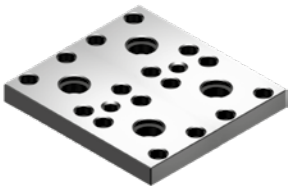
Art. 825 Piastra di contenimento vite per morsa FMS per Art. 855 Screw holding plate for FMS vise for Art. 855	Cod. 5.82.51000	5.82.52000	5.82.53000	5.82.54000	5.82.55000	5.82.56000
Art. 825B Piastra di contenimento vite per morsa FMS per Art. 800 Screw holding plate for FMS vise for Art. 800	Cod. 5.82.5B100	5.82.5B200	5.82.5B300	5.82.5B400	5.82.5B500	5.82.5B600
Art. 825C Piastra di contenimento vite per morsa FMS per Art. 855W Screw holding plate for FMS vise for Art. 855W	Cod. 5.82.5C100	5.82.5C200	5.82.5C300	5.82.5C400	5.82.5C500	5.82.5C600



Art. 831 Piastra di collegamento per **2** morse FMS montate verticalmente dorso a dorso o fianco a fianco Connecting plate for **2** FMS vises vertcally mounted back-to-back or side by side	Cod. 5.83.11000	5.83.12000	5.83.13000	5.83.14000	5.83.15000	5.83.16000



Art. 832 Piastra di collegamento per **4** morse FMS montate verticalmente dorso a dorso o fianco a fianco Connecting plate for **4** FMS vises vertcally mounted back-to-back or side by side	Cod. 5.83.21000	5.83.22000	5.83.23000	5.83.24000	5.83.25000	5.83.26000

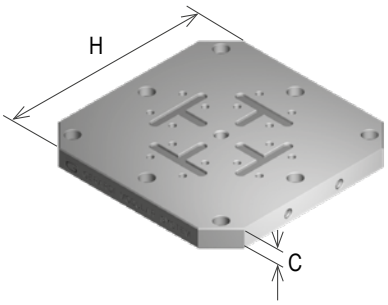


Art. 833 Piastra di collegamento personalizzata per **2** morse FMS Connecting plate for **2** FMS vises tailor made	Cod. 5.83.31000	5.83.32000	5.83.33000	5.83.34000	5.83.35000	5.83.36000
Art. 834 Piastra di collegamento personalizzata per **4** morse FMS Connecting plate for **4** FMS vises tailor made	Cod. 5.83.41000	5.83.42000	5.83.43000	5.83.44000	5.83.45000	5.83.46000

PIASTRE BASE PER MORSE FMS
BASE PLATES FOR FMS VISES

Art. 827A

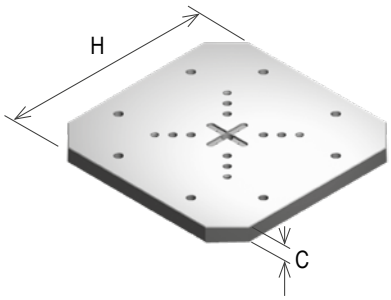
Piastra base pesonalizzata per una o più morse
Bussola di centraggio Art. 852 compresa
Tailor made head plate for one or more vises
Centering bushing Art. 852 included



Tipo (grandezza) / Type (size)	1	2	3	4	5	6	7
H	300	350	400	450	500	630	800
C	33	33	38	38	38	38	38
Kg	21,5	29,5	43,5	55	70	112	181
Cod.	5.82.7A100	5.82.7A200	5.82.7A300	5.82.7A400	5.82.7A500	5.82.7A600	5.82.7A700

Art. 828A

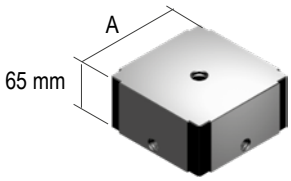
Piastra base personalizzata per cubo morsa
bussola di centraggio Art. 852 compresa
Tailor made head plate for vise tower
Centering bushing Art. 852 included



Tipo (grandezza) / Type (size)	1	2	3	4	5	6	7
H	300	350	400	450	500	630	800
C	33	33	38	38	38	38	38
Kg	22	30	44,5	56,5	71	113	182
Cod.	5.82.8A100	5.82.8A200	5.82.8A300	5.82.8A400	5.82.8A500	5.82.8A600	5.82.8A700

Art. 835

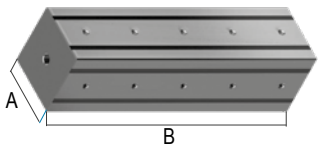
Distanziale quadrato per **4** morse FMS
Square spacer for **4** FMS vises



Tipo (grandezza) / Type (size)	1	2	3	4	5	6
A	75	95	125	145	170	190
Cod.	5.83.51000	5.83.52000	5.83.53000	5.83.54000	5.83.55000	5.83.56000

Art. 836

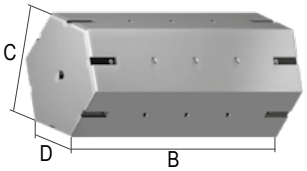
Supporto quadrato per **4** morse FMS
Square support for **4** FMS vises



A	75	95	125	145	170	190
B	200	300	400	500	600	800
Cod.	5.83.61000	5.83.62000	5.83.63000	5.83.64000	5.83.65000	5.83.66000

Art. 837

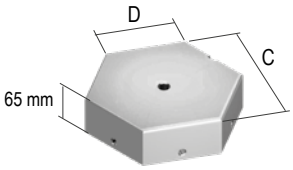
Supporto esagonale per **6** morse FMS
Exagon support for **6** FMS vises



B	200	300	400	500	600	800
C	132	170	220	255	300	335
D	76 ~	98 ~	127 ~	147 ~	173 ~	193 ~
Cod.	5.83.71000	5.83.72000	5.83.73000	5.83.74000	5.83.75000	5.83.76000

Art. 838

Distanziale esagonale per **6** morse FMS
Exagon spacer for **6** FMS vises



C	132	170	220	255	300	335
D	76 ~	98 ~	127 ~	147 ~	173 ~	193 ~
Cod.	5.83.81000	5.83.82000	5.83.83000	5.83.84000	5.83.85000	5.83.86000

Art. 852

Bussola di centraggio per piastra base
Centering bushing for base plate



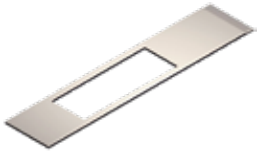
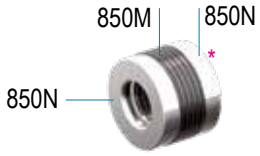
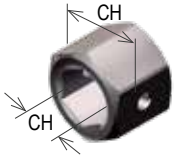
Cod.	5.85.21000	5.85.22000	5.85.23000	5.85.24000	5.85.25000	5.85.26000

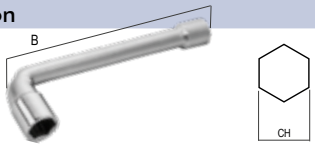
Art. 853

Centraggio orizzontale per cubo FMS
Horizontal centering for FMS cube



Cod.	5.85.31000	5.85.32000	5.85.33000	5.85.34000	5.85.35000	5.85.36000

Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art. 825A Ghiera per morse e cubi FMS Nut for FMS vises and cubes		Cod. 5.82.5A100	5.82.5A200	5.82.5A300	5.82.5A400	5.82.5A500	5.82.5A600
Art. 850B Riparo lato vite Protection side screw		Cod. 5.85.0B100	5.85.0B200	5.85.0B300	5.85.0B400	5.85.0B500	5.85.0B600
Art. 850C Riparo Protection		Cod. 5.85.0C100	5.85.0C200	5.85.0C300	5.85.0C400	5.85.0C500	5.85.0C600
Art. 850P Dispositivo "**Terza Mano**" "**Third Hand**" device		Cod. 5.85.0P100	5.85.0P200	5.85.0P300	5.85.0P400	5.85.0P500	5.85.0P600
		*Foto indicativa *Indicative picture					
Art. 850E Bussola esagonale per innesto automatico Hexagonal bushing for automatic connection		CH 12 / 22	14 / 24	19 / 30	19 / 30	27 / 40	27 / 40
		Cod. 5.85.0E100	5.85.0E200	5.85.0E300	5.85.0E400	5.85.0E500	5.85.0E600
Art. 850T Distanziale per morsa solo autocentrante Spacer for Self-centering vise only		Cod. 5.85.0T100	5.85.0T200	5.85.0T300	5.85.0T400	5.85.0T500	5.85.0T600
Art. 850H Chiave esagonale per morsa FMS e cubo Hexagonal wrench for FMS vise and cube		Cod. 5.85.0H100	5.85.0H200	5.85.0H300		5.85.0H500	
Art. 801S Piastrina di collegamento slitte morsa Slides vise connecting plate		Cod. 5.80.1S100	5.80.1S200	5.80.1S300	5.80.1S400	5.80.1S500	5.80.1S600

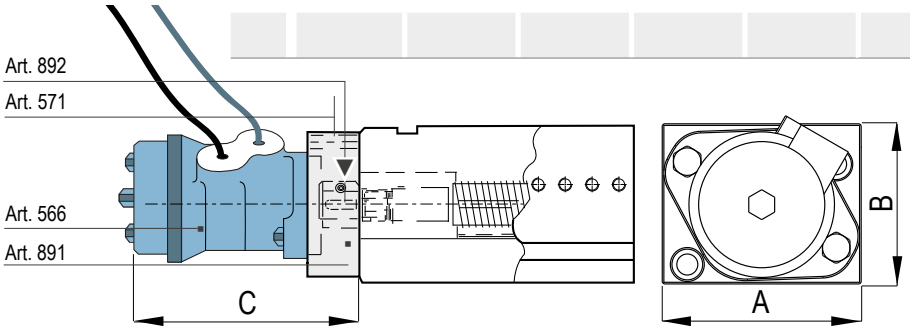
Dimensioni / Dimension		CH	B	CH	B	CH	B	CH	B	CH	B	CH	B
Art.375 Chiave a pipa Box wrench			16	250	16	250	19	250	19	250	19	250	19	250
		Cod.	4.37.516250		4.37.516250		4.37.519250		4.37.519250		4.37.519250		4.37.519250	

RICAMBI PER MORSE Art.800 - SPARE PARTS FOR VISES Art.800

Art. 800E Guarnizione per slitta integrale O ring for solid slide		Cod. 5.80.0E100	5.80.0E200	5.80.0E300	5.80.0E400	5.80.0E500	5.80.0E600
Art. 801G Grano di bloccaggio protezione centrale Setscrew for clamping central protection		Cod. 5.80.1G100	5.80.1G200	5.80.1G300	5.80.1G400	5.80.1G500	5.80.1G600
Art. 800I Vite tcei per piastra di contenimento Hex.socket head screw for screw holding plate		Cod. 5.80.0I100	5.80.0I200	5.80.0I300	5.80.0I400	5.80.0I500	5.80.0I600
Art. 801H Vite tcei per ganasce a gradino Hex.socket head screw for step jaws		Cod. 5.80.1H100	5.80.1H200	5.80.1H300	5.80.1H400	5.80.1H500	5.80.1H600
Art. 801I Vite tcei per ganasce Hex.socket head screw for jawsw		Cod. 5.80.1I100	5.80.1I200	5.80.1I300	5.80.1I400	5.80.1I500	5.80.1I600

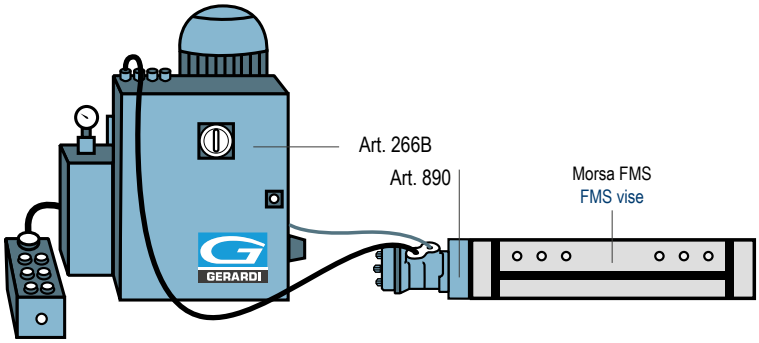
SERVOCOMANDI OLEODINAMICI PER MOTORI IDRAULICI
ELECTRO-HYDRAULIC POWER PACK FOR HYDRAULIC MOTORS

Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art. 566 *Motore idraulico / Hydraulic motor*		0MM32	OMP80	OMR200	OMR200	OMR200	OMR200
	bar			140			
Art.890	A mm	75	130	123	145	168	188
	B mm	70	100	104	119	139	159
Art. 566 + Art. 571 + Art. 891 + Art. 892	C mm	157	234	244	246	261	261
Motore idraulico completo di piastra d' interfaccia, boccola e fine corsa elettronico regolabile Hydraulic motor complete with connecting plate, bushing and adjustable electronic proximity switch	Cod.	5.89.01000	5.89.02000	5.89.03000	5.89.04000	5.89.05000	5.89.06000



Art. 891 Piastra attacco motore idraulico / Hydraulic motor mounting plate	Cod.	5.89.11000	5.89.12000	5.89.13000	5.89.14000	5.89.15000	5.89.16000
Art. 892 Boccola di trascinamento vite motore / Drive bushing screw-motor	Cod.	5.89.21000	5.89.22000	5.89.23000	5.89.24000	5.89.25000	5.89.26000
Art. 566 Motore Idraulico / Hydraulic motor	Cod.	5.56.61000	5.56.62000	5.56.63000	5.56.63000	5.56.63000	5.56.63000
Art. 571 Fine corsa elettronico / Electronic proximity switch	Cod.	5.57.11000	5.57.12000	5.57.13000	5.57.14000	5.57.15000	5.57.16000

Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Art.890K/1	Passo vite / screw pitch mm	2	2	2	2	3	3
	bar	130	100	100	100	120	120
Art. 266B + Art. 890	l/min	5	10	20	20	20	20
Kit per automazione morse FMS Kit for FMS vises automation.	Cod.	5.89.0K101	5.89.0K201	5.89.0K301	5.89.0K401	5.89.0K501	5.89.0K601



DATI TECNICI:
IDROMOTORE: Art.566
Motore elettrico Kw 5.5
Portata Min. 40 litri al minuto
Velocotà apertura-chiusura morsa da calcolarsi in base al digramma idromotore (vedi pag. 5.65)
Per il diagramma forza di serraggio vedi pag. 5.74
Pressione massima di esercizio: 140 bar

TECHNICAL DATA:
HYDRAULIC MOTOR Art.566
Electric motor kW 5,5
Oil pumps: 40l/min
Opening and closing speed of vise to be calculated from hydraulic motor diagram at page 5.65
For clamping forces diagram see pag. 5.75
Max operating pressure: 140 bar

COMPOSIZIONE COMPLETA DI:
- N° 1 servocomando Art. 890
- N° 1 centralina elettroidraulica Art. 266B/1
- Comando manuale elettrico da pulsantiera con chiusura ed apertura indipendente, singola o simultanea
- Regolazione forza di bloccaggio desiderata
- Fine corsa elettronico regolabile

COMPOSITION COMPLETE OF:
- N° 1 hydraulic servo unit Art. 890
- N° 1 electro-hydraulic power pack Art. 266B/1
- Electrically controlled by manual switch board
- Adjustable clamping force as required
- Adjustable elettronic proximity switch

Tubi e cavi di collegamento elettrici ed idraulici con massima lunghezza 1600 mm / Hydraulic pipes and electrical cables with max lenght 1600 mm

SERVOCOMANDI OLEODINAMICI PER MOTORI IDRAULICI
ELECTRO-HYDRAULIC POWER PACK FOR HYDRAULIC MOTORS

Tipo (grandezza) / Type (size)	1	2	3	4	5	6
Passo vite / screw pitch mm	2	2	2	2	3	3
bar	130	100	100	100	120	120
l/min	10	20	40	40	40	40
Cod.	5.89.0K102	5.89.0K202	5.89.0K302	5.89.0K402	5.89.0K502	5.89.0K602

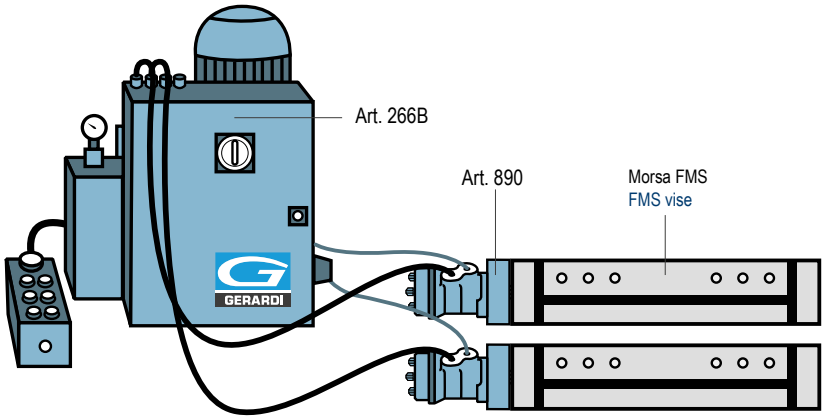
Art.890K/2

Art. 266B + 2 Art. 890

Kit per automazione morse FMS
Kit for FMS vises automation.

DATI TECNICI:
IDROMOTORE: Art.566
Motore elettrico Kw 5.5
Portata Min. 40 litri al minuto
Velocotà apertura-chiusura morsa da calcolarsi in base al digramma idromotore (vedi pag. 5.65)
Per il diagramma forza di serraggio vedi pag. 5.74
Pressione massima di esercizio: 140 bar

TECHNICAL DATA:
HYDRAULIC MOTOR Art.566
Electric motor kW 5,5
Oil pumps: 40l/min
Opening and closing speed of vise to be calculated from hydraulic motor diagram at page 5.65
For clamping forces diagram see pag. 5.75
Max operating pressure: 140 bar



COMPOSIZIONE COMPLETA DI:
- N° 2 servocomandi Art. 89
- N° 1 centralina elettroidraulica Art. 266B/1
- Comando manuale elettrico da pulsantiera con chiusura ed apertura indipendente, singola o simultanea
- Regolazione forza di bloccaggio desiderata
- Fine corsa elettronico regolabile

COMPOSITION COMPLETE OF:
- N° 2 hydraulic servo units Art. 890
- N° 1 electro-hydraulic power pack Art. 266B/1
- Electrically controlled by manual switch board
- Adjustable clamping force as required
- Adjustable elettronic proximity switch

Tubi e cavi di collegamento elettrici ed idraulici con massima lunghezza 1600 mm / Hydraulic pipes and electrical cables with max lenght 1600 mm

Tipo (grandezza) / Type (size)	1	2	3	4	5	6
Passo vite / screw pitch mm	2	2	2	2	3	3
bar	130	100	100	100	120	120
l/min	15	30	60	60	60	60
Cod.	5.89.0K103	5.89.0K203	5.89.0K303	5.89.0K403	5.89.0K503	5.89.0K603

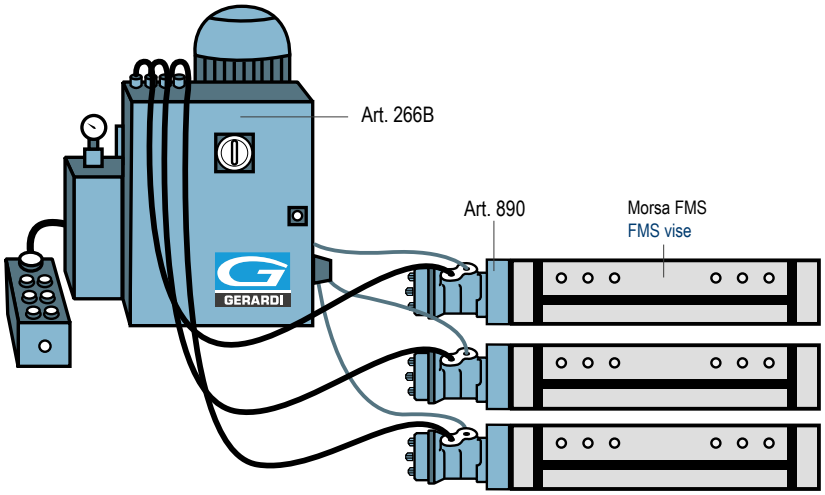
Art.890K/3

Art. 266B + 3 Art. 890

Kit per automazione morse FMS
Kit for FMS vises automation.

DATI TECNICI:
IDROMOTORE: Art.566
Motore elettrico Kw 5.5
Portata Min. 40 litri al minuto
Velocotà apertura-chiusura morsa da calcolarsi in base al digramma idromotore (vedi pag. 5.65)
Per il diagramma forza di serraggio vedi pag. 5.74
Pressione massima di esercizio: 140 bar

TECHNICAL DATA:
HYDRAULIC MOTOR Art.566
Electric motor kW 5,5
Oil pumps: 40l/min
Opening and closing speed of vise to be calculated from hydraulic motor diagram at page 5.65
For clamping forces diagram see pag. 5.75
Max operating pressure: 140 bar



COMPOSIZIONE COMPLETA DI:
- N° 3 servocomandi Art. 89
- N° 1 centralina elettroidraulica Art. 266B/1
- Comando manuale elettrico da pulsantiera con chiusura ed apertura indipendente, singola o simultanea
- Regolazione forza di bloccaggio desiderata
- Fine corsa elettronico regolabile

COMPOSITION COMPLETE OF:
- N° 3 hydraulic servo units Art. 890
- N° 1 electro-hydraulic power pack Art. 266B/1
- Electrically controlled by manual switch board
- Adjustable clamping force as required
- Adjustable elettronic proximity switch

Tubi e cavi di collegamento elettrici ed idraulici con massima lunghezza 1600 mm / Hydraulic pipes and electrical cables with max lenght 1600 mm

SERVOCOMANDI OLEODINAMICI PER MOTORI IDRAULICI
ELECTRO-HYDRAULIC POWER PACK FOR HYDRAULIC MOTORS

Tipo (grandezza) / Type (size)	1	2	3	4	5	6
Passo vite / screw pitch mm	2	2	2	2	3	3
bar	130	100	100	100	120	120
l/min	20	40	80	80	80	80
Cod.	5.89.0K104	5.89.0K204	5.89.0K304	5.89.0K404	5.89.0K504	5.89.0K604

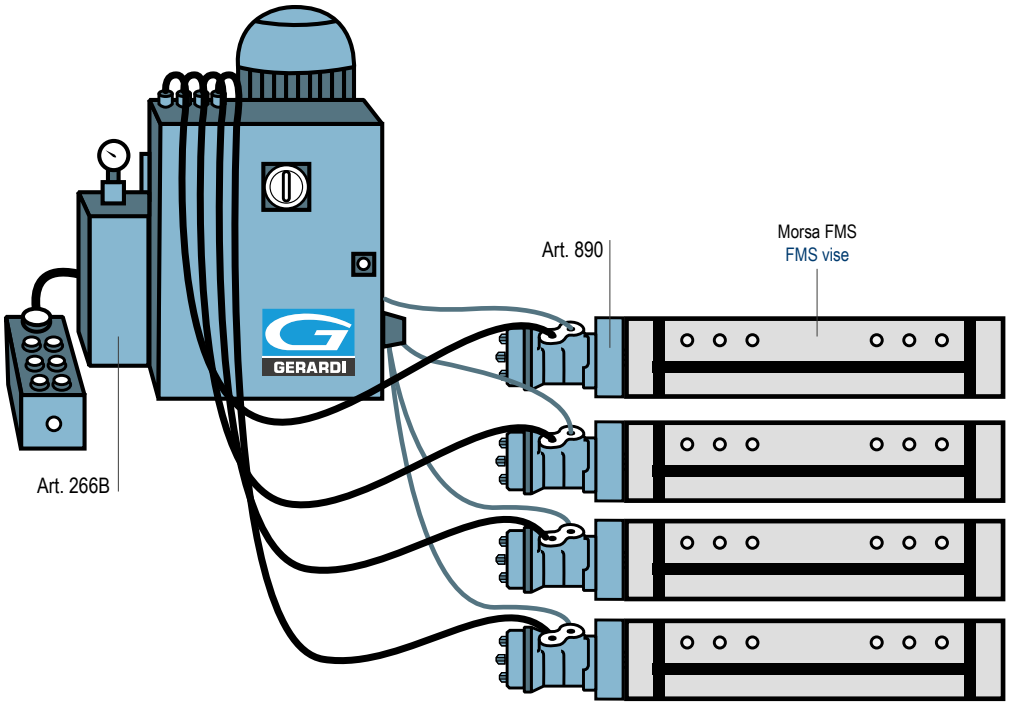
Art.890K/4

Art. 266B + 4 Art. 890

Kit per automazione morse FMS
Kit for FMS vises automation.

DATI TECNICI:
IDROMOTORE: Art.566
Motore elettrico Kw 5.5
Portata Min. 40 litri al minuto
Velocotà apertura-chiusura morsa da calcolarsi in base al digramma idromotore (vedi pag. 5.65)
Per il diagramma forza di serraggio vedi pag. 5.74
Pressione massima di esercizio: 140 bar

TECHNICAL DATA:
HYDRAULIC MOTOR Art.566
Electric motor kW 5,5
Oil pumps: 40l/min
Opening and closing speed of vise to be calculated from hydraulic motor diagram at page 5.65
For clamping forces diagram see pag. 5.75
Max operating pressure: 140 bar



COMPOSIZIONE COMPLETA DI:
- N° 3 servocomandi Art. 89
- N° 1 centralina elettroidraulica Art. 266B/1
- Comando manuale elettrico da pulsantiera con chiusura ed apertura indipendente, singola o simultanea
- Regolazione forza di bloccaggio desiderata
- Fine corsa elettronico regolabile

COMPOSITION COMPLETE OF:
- N° 3 hydraulic servo units Art. 890
- N° 1 electro-hydraulic power pack Art. 266B/1
- Electrically controlled by manual switch board
- Adjustable clamping force as required
- Adjustable elettronic proximity switch

Riduttore epicicloidale il quale consente di moltplicare notevolmente la coppia sviluppata dal motore idraulico consentendo di arrivare a elevate forze di serraggio , fino a 480 kN

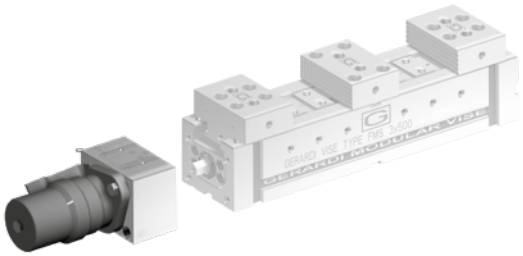
Epicyclic force reducer able to multiply greatly the torque generated by the hydraulic engine reaching a very high clamping force, maximum 480kN.

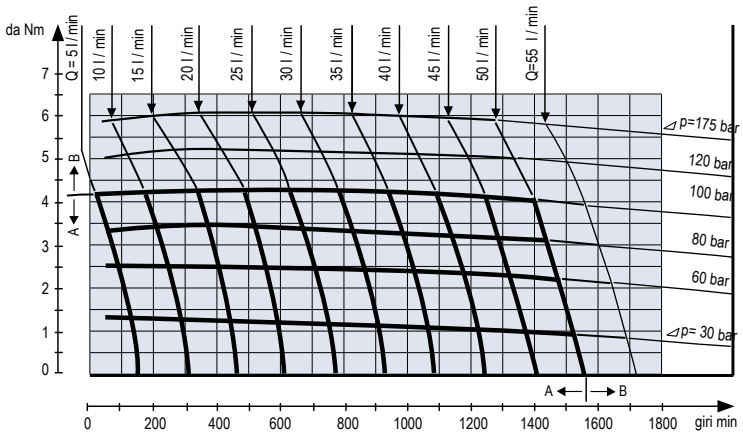


Tubi e cavi di collegamento elettrici ed idraulici con massima lunghezza 1600 mm / Hydraulic pipes and electrical cables with max lenght 1600 mm

DIAGRAMMI COPPIE MOTORI IDRAULICI
HYDRAULIC MOTOR TORQUE DIAGRAMS

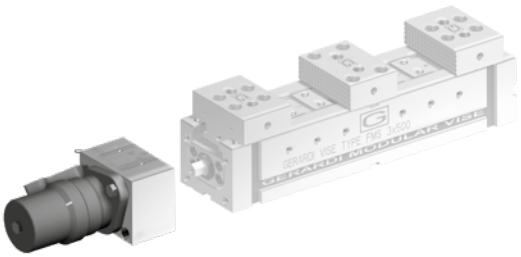
Art.890 (Art.890) Motore idraulico / (Art.890) Hydraulic motor

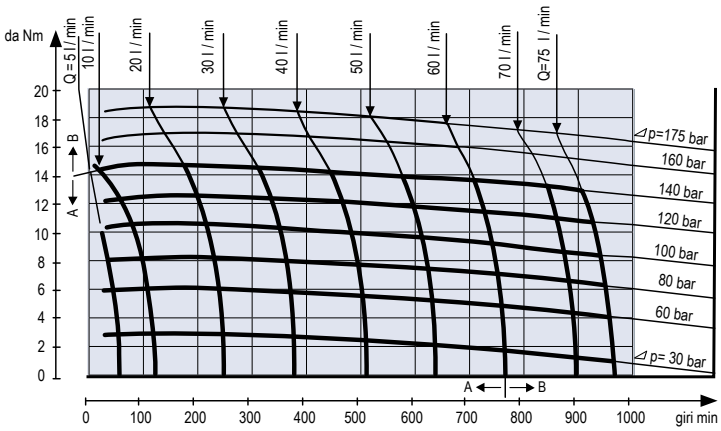




OMR 32
Morse FMS tipo 1 / Type 1 FMS vises

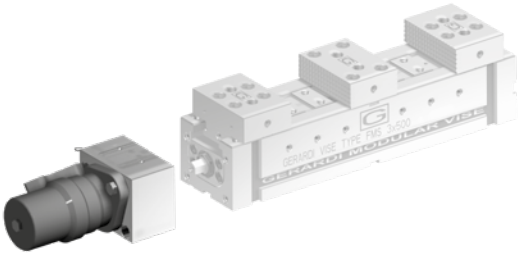
Art.890 (Art.890) Motore idraulico / (Art.890) Hydraulic motor

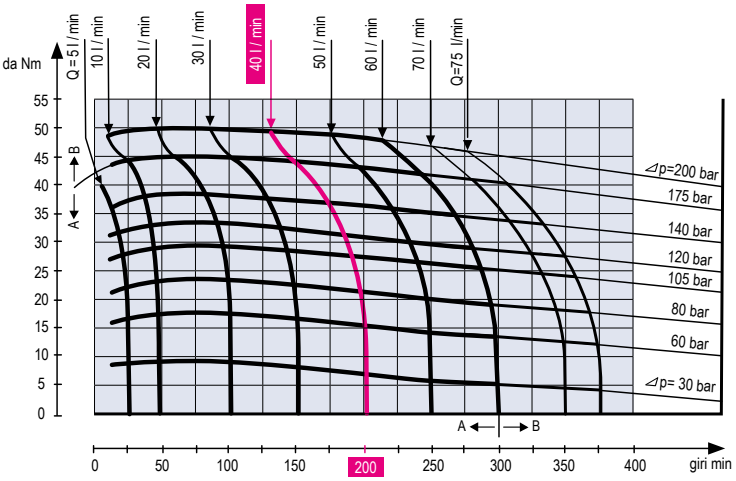




OMR 80
Morse FMS tipo 2 / Type 2 FMS vises

Art.890 (Art.890) Motore idraulico / (Art.890) Hydraulic motor





OMR 200
Morse FMS tipo 3 - 4 - 5 - 6 Type 3 - 4 - 5 - 6 FMS vises

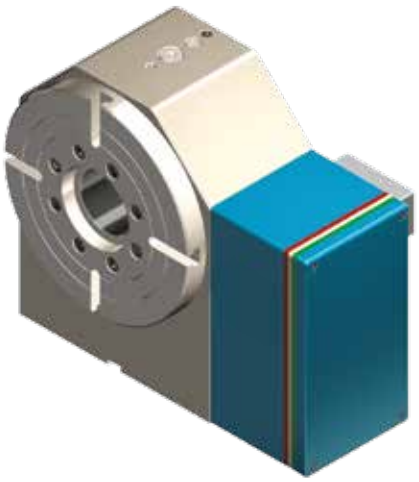
VELOCITA' = Passo vite x giri/min (dati dalla portata di olio in l/min) - 25% circa per attriti e resistenze varie.
Esempio: Vite passo 2 mm; Giri 200/min (ipotizzando una portata olio di 40 l/min); V = 2 X 200 = 400 - 25% = **300 mm/min per una morsa.**
Per più morse dividere la velocità ottenuta per il numero delle morse impiegate.

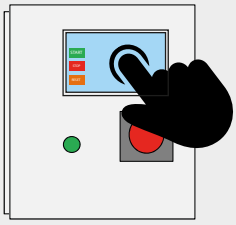
SPEED = Screw pitch x RPM (that you get from oil pump of 40 l/min) about - 25% for friction and other resistance.
Example: Screw pitch 2mm; RPM 200/min (taking in consideration oil pump of 40 l/min); V = 2 x 200 = 400 - 25% = **300 mm/min for one vise.**
For more vises divide the speed obtained by the number of vises used.

DIVISORE AUTOMATICO DPG 250
AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

DPG 250





PROGRAMMAZIONE **TOUCH SCREEN**
FACILE ED INTUITIVA O TRAMITE COLLEGAMENTO DIRETTO AL CNC

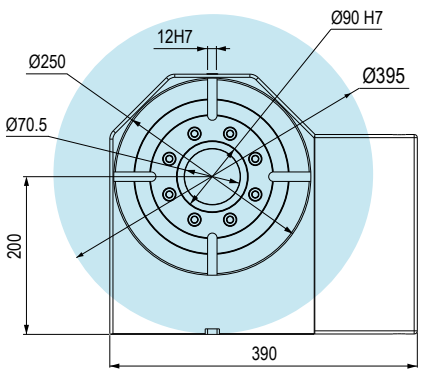
EASY AND INTUITIVE **TOUCH SCREEN**
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

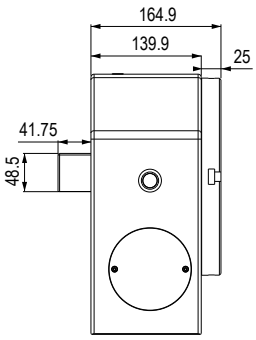
- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento assiale
- Completa tenuta stagna ai liquidi con possibilità di pressurizzazione
- Possibilità di montare motori di tutte le marche
- Dimensioni esterne contenute
- Finestra di controlli liquidi e condensa
- Lavorazione in posizionamento a 360°

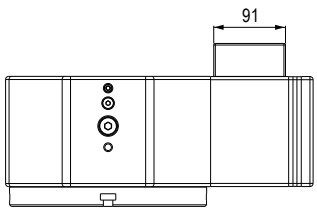
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization
- Possibility to mount motors of all brands
- Reduced external dimensions
- Condensation and liquid control window
- 360° work positioning

Dati tecnici Technical Data		
Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Cleareance hole diameter		70,5 mm
Altezza punte Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		Idraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
Motore Servo motor		3000 Max.g/min
Minimo incremento Minimum increment		0,002
Velocità di rotazione Rotation speed		33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)		1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)		1/180
Precisione Indexing accuracy		±10 Sec.
Ripetibilità Repeatability		4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical	Kg.550
	Orizzontale Horizontal	Kg.1500
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DP.G2500

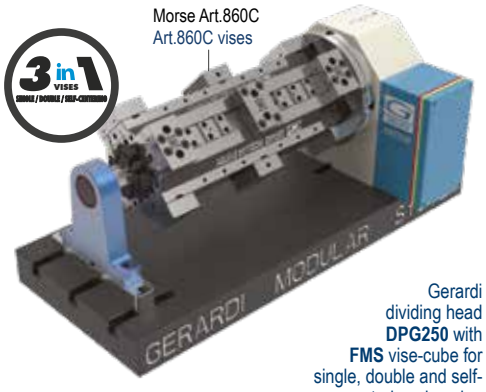
DPG 250







Tipo (grandezza) / Type (size)		1		2				3				
	kN	25 kN		25 kN				30 kN				
Divisore Gerardi **DPG250** con cubo-morsa **FMS** per serraggi singoli, doppi o autocentranti	D	200	300	300	400	500	600	400	500	600	700	800
	G1	120		175				210				
	W	74		94				124				
	Cod.	5.DP.G25000	5.DP.G25010	5.DP.G25020	5.DP.G25030	5.DP.G25040	5.DP.G25050	5.DP.G25060	5.DP.G25070	5.DP.G25080	5.DP.G25090	5.DP.G25011

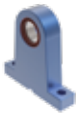


Gerardi dividing head **DPG250** with **FMS** vise-cube for single, double and self-centering clamping

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A



Supporto
Support

Cod.	5.99.A1000

Art. 99B



Perno di centraggio completo di sistema d'allineamento
Horizontal centering pin with alignement system

Cod.	5.99.B1000	5.99.B2000	5.99.B3000

Art. 99H



Distanziale per supporto
Spacer support

Cod.	5.99.H1000

Art. 62K
DIVIGER 205

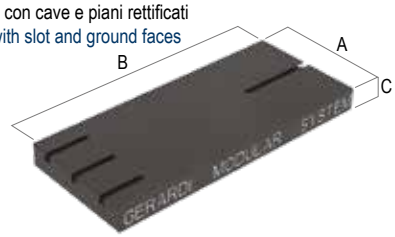


Piastra di interfaccia per cubo FMS completa di sistema d'allineamento
Connecting plate with alignement systemfor FMS

Cod.	5.62.K801A5	5.62.K801A6	5.62.K801A7

Art. 99S

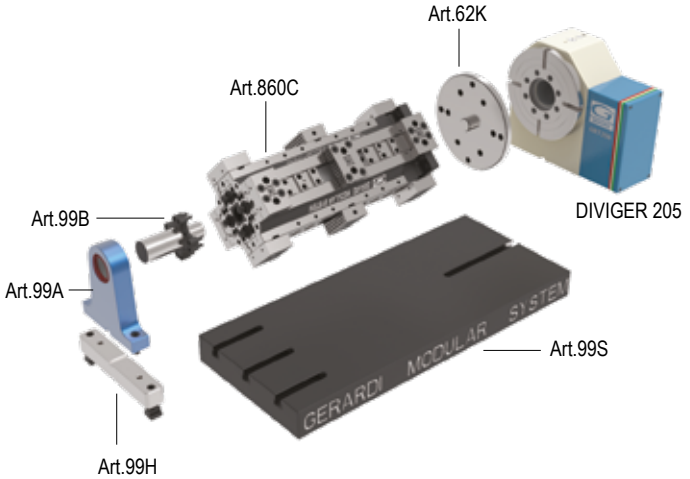
Piastra base con cave e piani rettificati
Base plate with slot and ground faces

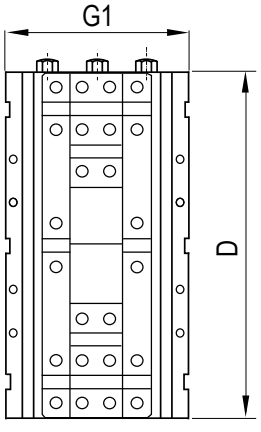


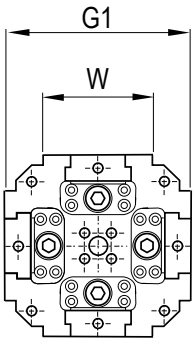
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.
650	400	50	102	7.99.S065S
950	400	50	149	7.99.S095S
1250	400	50	195	7.99.S125S

Cave o fori calibrati su richiesta - Slot or calibrated holes on request

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm







5

DIVISORE MECCANICO DIVIGER 205
MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

DIVIGER 205



Dati tecnici
Technical Data

Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Cleareance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione Indexing accuracy	±10 Sec.
Coppia in lavoro Driving torque	3000 Nm
Kg	93
Cod.	7.66.73000

DIVISORE MECCANICO, SENZA CAVI O IDRAULICA, PERMACCHINE A CNC

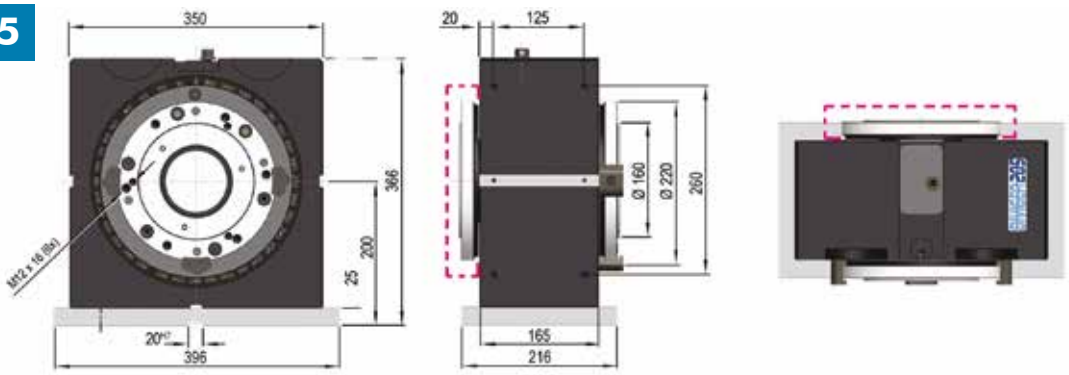
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES OR HYDRAULIC, FOR CNC MILLING MACHINE

- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta
- Lavorazione a barra grazie al mandrino cavo
- Utilizzabile orizzontalmente o verticalmente
- Cambio tramite serraggio a cuneo

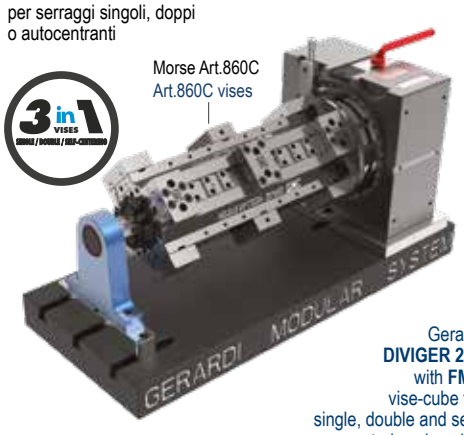
- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due to hollow spindle
- To be used horizontaly or vertically
- Quick change through wedge clamping



DIVIGER 205



Tipo (grandezza) / Type (size)		1		2				3				
	kN	25 kN		25 kN				30 kN				
Divisore Gerardi **DIVIGER 205** con cubo-morsa **FMS** per serraggi singoli, doppi o autocentranti	D	200	300	300	400	500	600	400	500	600	700	800
	G1	120		175				210				
	W	74		94				124				
	Cod.	5.DI.V20500	5.DI.V20510	5.DI.V20520	5.DI.V20530	5.DI.V20540	5.DI.V20550	5.DI.V20560	5.DI.V20570	5.DI.V20580	5.DI.V20590	5.DI.V20511



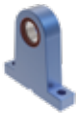
Gerardi **DIVIGER 205** with **FMS** vise-cube for single, double and self-centering clamping

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, the price could be modified

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.	5.99.A1000

Art. 99B

Perno di centraggio completo di sistema d'allineamento
Horizontal centering pin with alignement system



Cod.	5.99.B1000	5.99.B2000	5.99.B3000

Art. 99H

Distanziale per supporto
Spacer support



Cod.	5.99.H1000

Art. 62K
DIVIGER 205

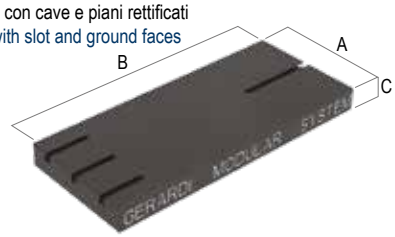
Piastra di interfaccia per cubo FMS completa di sistema d'allineamento
Connecting plate with alignement systemfor FMS



Cod.	5.62.K801A5	5.62.K801A6	5.62.K801A7

Art. 99S

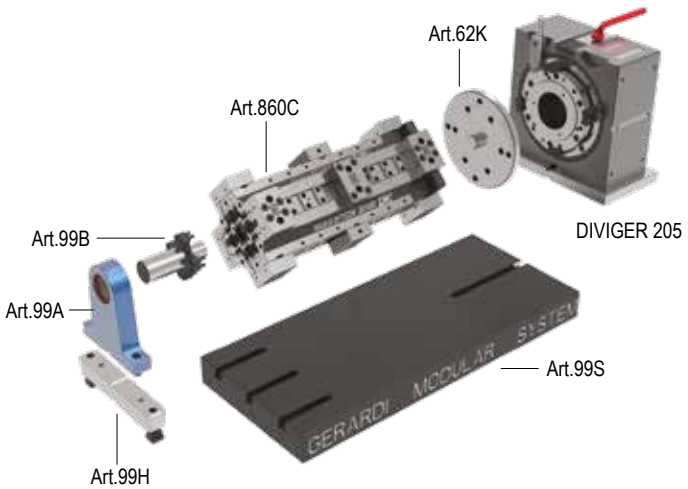
Piastra base con cave e piani rettificati
Base plate with slot and ground faces

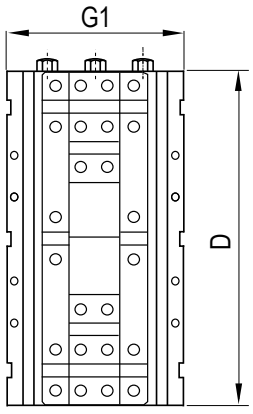


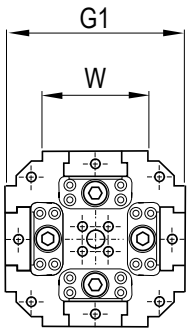
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
650	400	50	102	7.99.S065S	
950	400	50	149	7.99.S095S	
1250	400	50	195	7.99.S125S	

Cave o fori calibrati su richiesta - Slot or calibrated holes on request

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm

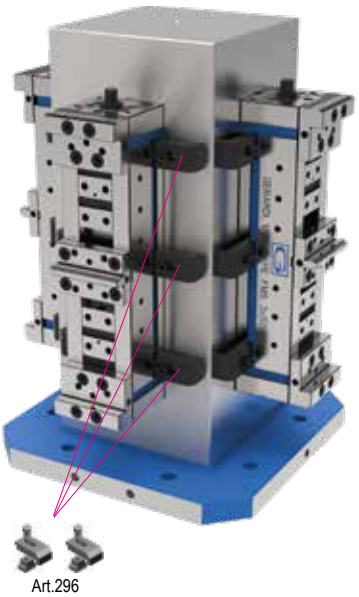






5

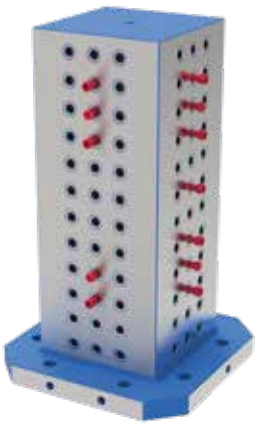
PREDISPOSIZIONE e MONTAGGIO MORSE su CUBI LAVORATI
TOMBSTONES SET-UP and VISES MOUNTING on MACHINED TOMBSTONES

Cubo lavorato Art.57C Machined cube Art.57C	**Tipo di morsa** Vise type	**Predisposizione e montaggio*** Set-up & Mounting*	**Cubo con morse** Cube with vises
Cod. 8.53.C00081 Dim. A=250 / B=400 / H=660	Art.864 Tipo 3x500	Per morsa / each vise	
			
	n°morse Vises n° **x 4**	Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni morsa. Amount needed for the set-up of each side and mounting + alignement of each vise on it.	Art.296

* Predisposizione facce cubo, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

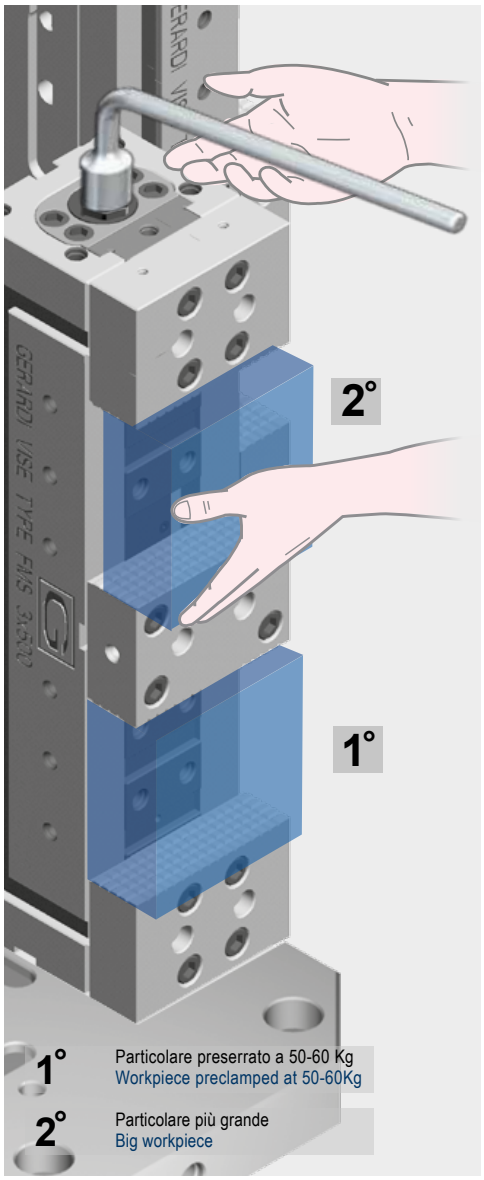
PREDISPOSIZIONE e MONTAGGIO MORSE su CUBO a RETICOLO
TOMBSTONES SET-UP and VISES MOUNTING on 2 GRID TOMBSTONES

Cubo a reticolo Art.53F Grid tombstone Art.53F	**Tipo di morsa** Vise type	**Montaggio e allineamento*** Mounting & alignment*	**Cubo con morse** Cube with vises
Cod. 8.53.F00081 Dim. A=250 / B=400 / H=660	Art.864 Tipo 3x500	Per morsa / each vise	Art.750 Tipo 3
			
	n°morse Vises n° **x 4**	Importo per montaggio ed allineamento di ogni morsa. Amount need for each vise mounting and alignement.	Art.83

* Montaggio e allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
Vises mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

DISPOSITIVO TERZA MANO PER MORSE FMS DOPPIE
THIRD HAND ACCESSORY FOR DOUBLE FMS VISES



DISPOSITIVO TERZA MANO PER MORSE FMS DOPPIE

Il meccanismo "Terza mano" nella morsa in versione a doppia stazione, consente il carico e serraggio lieve del primo pezzo (dalla parte opposta alla chiave nella stazione inferiore della morsa), mentre nel frattempo viene caricato il secondo pezzo di dimensione maggiore (da cui la denominazione "Terza mano"). Tale dispositivo risulta particolarmente utile quando la morsa viene usata in posizione verticale. Con il dispositivo "Terza mano", i due particolari da lavorare possono essere di dimensioni diverse con uno scarto massimo fra loro di 2 mm.

Il meccanismo "Terza mano" standard ha una spinta di max 50 Kg.Volendo ottenere una spinta maggiore, basta sostituire le molle in dotazione con altre di maggior potenza (attenzione però a mantenere la stessa quota di altezza del pacchetto molle) oppure aggiungendo un altro distanziale di max. 3mm

N.B: sostituendo le molle o aggiungendo un distanziale extra bisogna tener presente che il maggior precarico comporterà lo stesso carico di spinta anche girando la vite Art.822 a vuoto.

Non volendo il meccanismo "Terza Mano", il tutto puo' essere semplicemente rimosso togliendo le molle con i relativi distanziali dalla loro sede naturale.

Attenzione!! Assicurarsi che Art.850N rimanga fissato nella morsa per proteggere l'eventuale entrata di trucioli.

THIRD HAND DEVICE FOR DOUBLE STATION FMS VISES

The "Third Hand" device in the double station vise configuration, allows the first workpiece loaded to be gripped/clamped lightly with a little pressure (on the opposite side of the wrench and then in the lower vise station), while the second workpiece (bigger than first) is being loaded (from here the "third Hand" denomination). Such device is useful especially with the vise vertically positioned.

With the "Third Hand" device the two workpiece can be up to 2 mm different in gripping width.

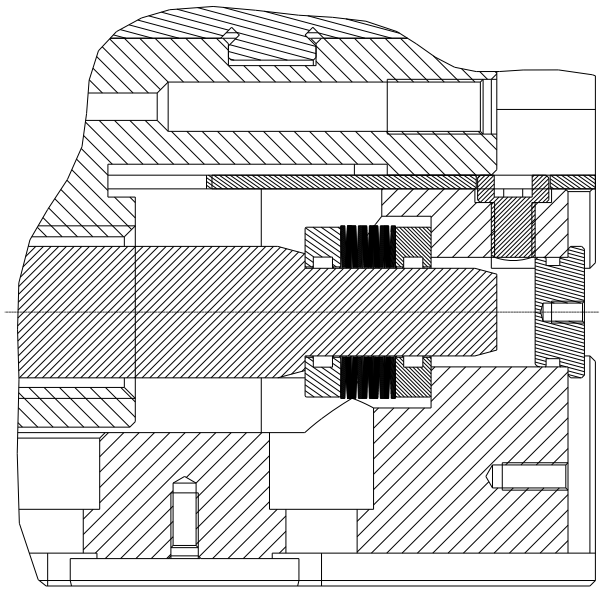
The standard "Third Hand" device has a max pressure of 50 Kg.

In order to reach a higher clamping power it is enough to preload by changing the standard springs with more powerful ones or by adding a pacer (max 3 mm). Be careful that remains the same spring and spacer packing height dimensions.

P.S: By changing springs or adding extra spacer remember that the higher preload will give the same resistance (given by the more powerful preload) even just turning the main screw Art.822 freely.

If the "Third Hand" device is not required, it could be simply removed by taking away the springs and their spacers from their standard position.

Attention!! *Make sure that the* **Art.850N** *remains fixed in the vise to provide protection from dirt getting inside the vise.*



Art.850P



Diagrammi di serraggio / *Clamping diagrams*

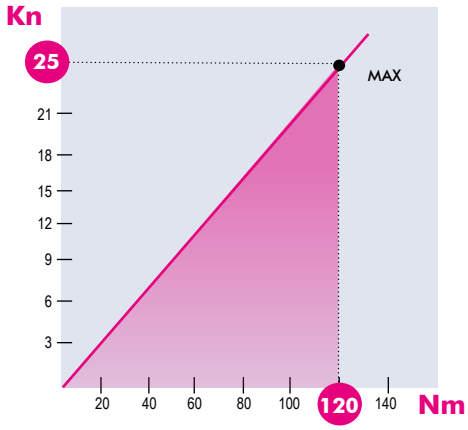
FMS

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench **Art. 357**

Morse tipo 1
Vises type

VITE: TPF 18 / 20 mm PASSO: 2 mm
SCREW: TPF 18 / 20 mm PITCH: 2 mm

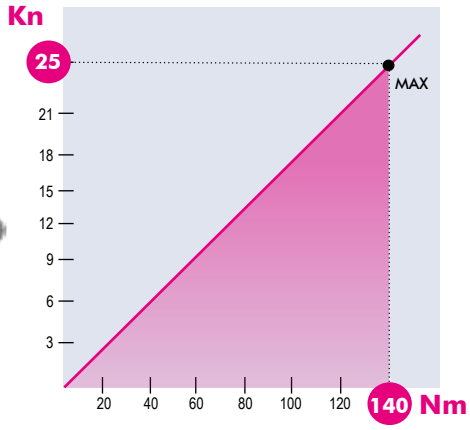




Art. 357

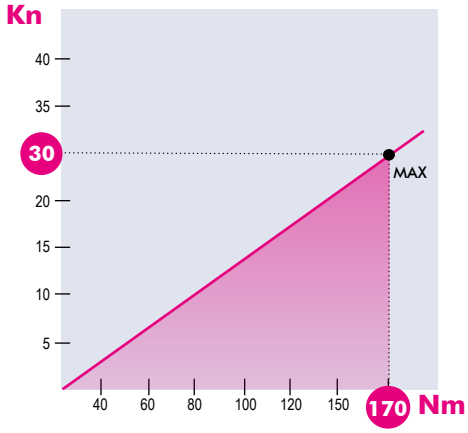
Morse tipo 2
Vises type

VITE: TPF 18 / 24 mm PASSO: 2 mm
SCREW: TPF 18 / 24 mm PITCH: 2 mm



Morse tipo 3-4
Vises type

VITE: TPF 24 / 30 mm PASSO: 2 mm
SCREW: TPF 24 / 30 mm PITCH: 2 mm

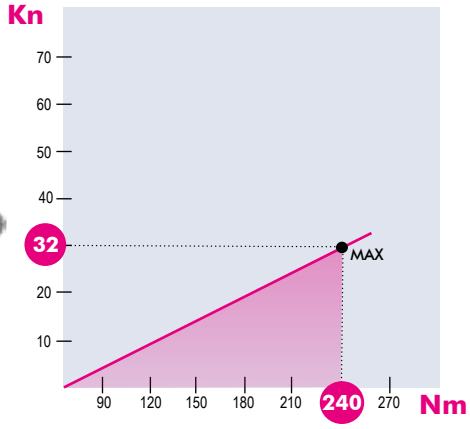




Art. 357

Morse tipo 5-6
Vises type

VITE: TPF 30 / 36 mm PASSO: 3 mm
SCREW: TPF 30 / 36 mm PITCH: 3 mm



NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

Diagrammi serraggio / Clamping diagrams

FMS

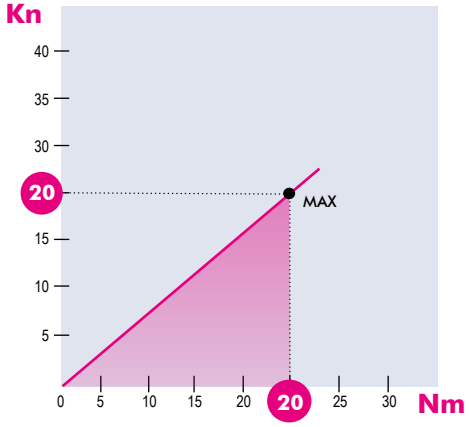
Diagrammi di serraggio meccanico con moltiplicatore di potenza

Mechanical clamping diagrams with pressure multiplier **Art. 802**

Morse tipo *Vises type* 1

VITE: TPF 18 / 20 mm PASSO: 2 mm
SCREW: TPF 18 / 20 mm PITCH: 2 mm
Rapporto trasmissione: 1/9
Gear ratio: 1/9

Type 1 Cod. 5.80.21000



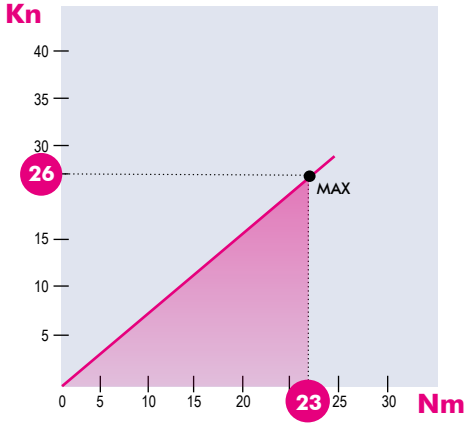


Art. 802

Morse tipo *Vises type* 2

VITE: TPF 18 / 24 mm PASSO: 2 mm
SCREW: TPF 18 / 24 mm PITCH: 2 mm
Rapporto trasmissione: 1/7
Gear ratio: 1/7

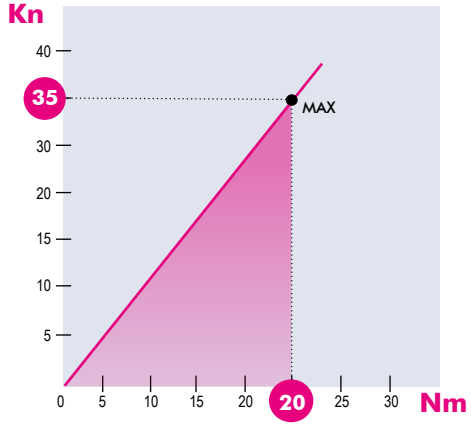
Type 2 Cod. 5.80.22000



Morse tipo *Vises type* 3-4

VITE: TPF 24 / 30 mm PASSO: 2 mm
SCREW: TPF 24 / 30 mm PITCH: 2 mm
Rapporto trasmissione: 1/7
Gear ratio: 1/7

Type 3 Cod. 5.80.23000
Type 4 Cod. 5.80.24000



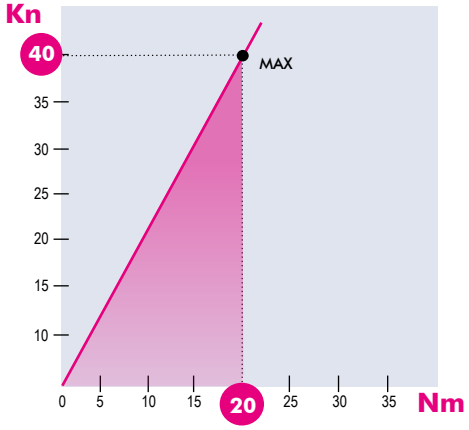


Art. 802

Morse tipo *Vises type* 5-6

VITE: TPF 30 / 36 mm PASSO: 3 mm
SCREW: TPF 30 / 36 mm PITCH: 3 mm
Rapporto trasmissione: 1/7
Gear ratio: 1/7

Type 5 Cod. 5.80.25000
Type 6 Cod. 5.80.26000



NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

Diagrammi serraggio / Clamping diagrams

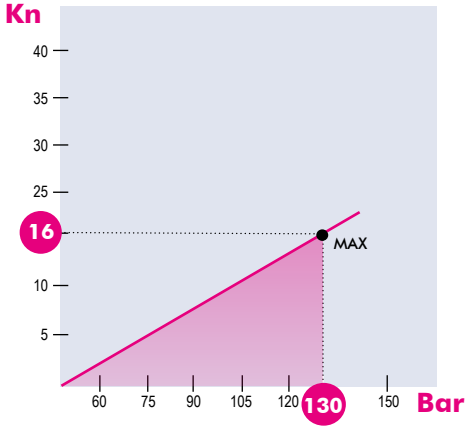
FMS

Diagrammi di serraggio meccanico tramite motore idraulico

Mechanical clamping diagrams through hydraulic motor **Art. 890**

Morse tipo **1**
Vises type

VITE: TPF 18 / 20 mm PASSO: 2 mm
SCREW: TPF 18 / 20 mm PITCH: 2 mm
Motore idraulico tipo **OMM 32**
Hydraulic motor type **OMM 32**

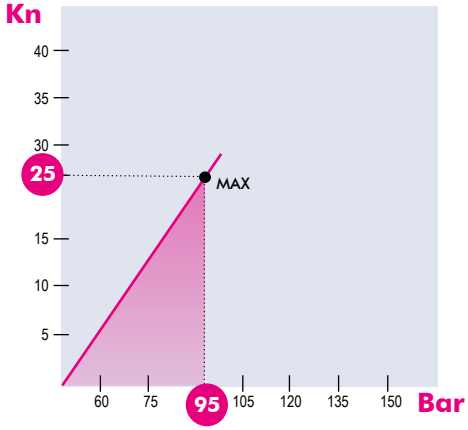




Art. 890

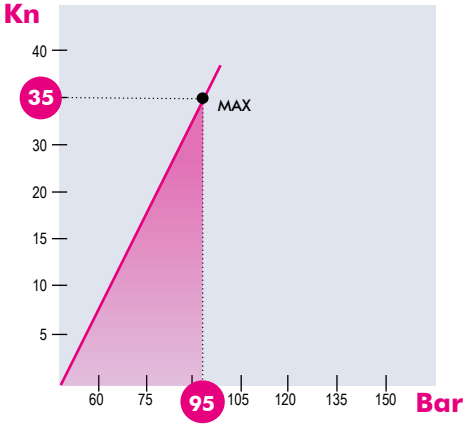
Morse tipo **2**
Vises type

VITE: TPF 18 / 24 mm PASSO: 2 mm
SCREW: TPF 18 / 24 mm PITCH: 2 mm
Motore idraulico tipo **OMP 80**
Hydraulic motor type **OMP 80**



Morse tipo **3-4**
Vises type

VITE: TPF 24 / 30 mm PASSO: 2 mm
SCREW: TPF 24 / 30 mm PITCH: 2 mm
Motore idraulico tipo **OMR 200**
Hydraulic motor type **OMR 200**

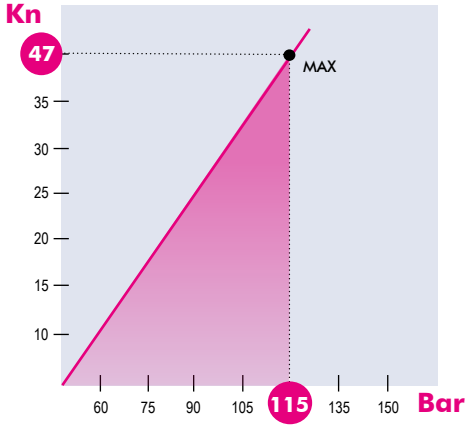




Art. 890

Morse tipo **5-6**
Vises type

VITE: TPF 30 / 36 mm PASSO: 3 mm
SCREW: TPF 30 / 36 mm PITCH: 3 mm
Motore idraulico tipo **OMR 200**
Hydraulic motor type **OMR 200**



ATTENZIONE! Azionamento idraulico ma serraggio meccanico (PIU' SICURO) - IMPORTANT! Hydraulic control, but mechanical clamping (SAFER)

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

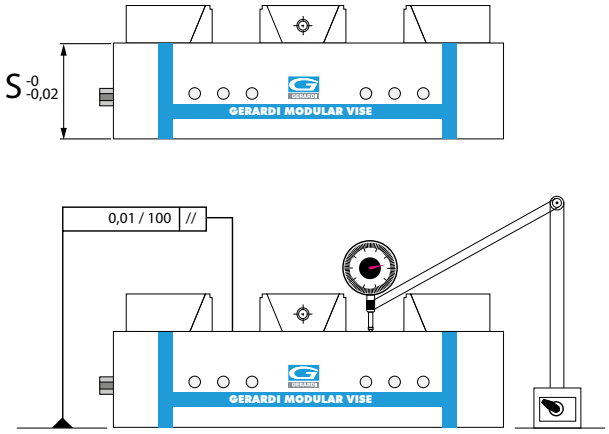
ISTRUZIONI PER UN CORRETTO UTILIZZO
ISTRUCTIONS FOR A PROPER USE

Libretto Istruzioni / Instruction Book

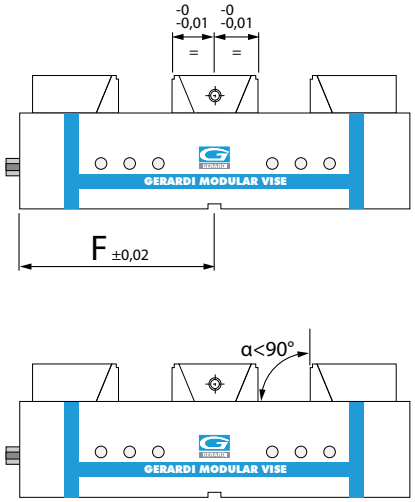
Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

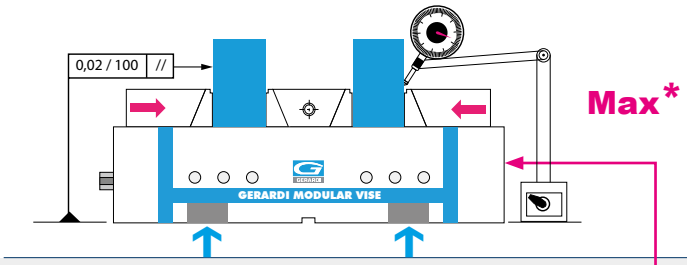
TOLLERANZE GEOMETRICHE



GEOMETRIC ACCURACIES

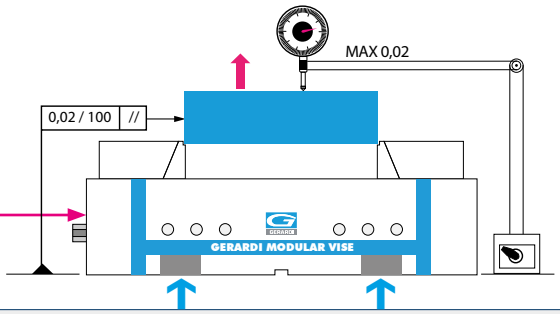


TOLLERANZE DINAMICHE



Morsa ancorata con 2 coppie di staffe Art.296
Vise clamped with n. 2 pairs of Art.296

DINAMIC ACCURACIES



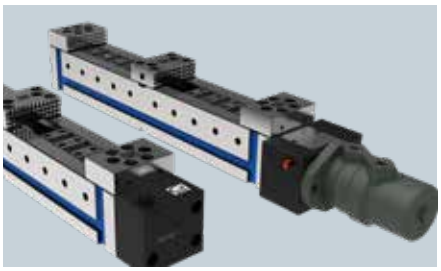
Morsa ancorata con 2 coppie di staffe Art.296
Vise clamped with n. 2 pairs of Art.296

Art 865		* Coppia applicata - Torque Nm	Forza di serraggio - Clamping power
Morsa tipo 1	Vise type 1	120	2500 Kgf
Morsa tipo 2	Vise type 2	140	2500 Kgf
Morsa tipo 3	Vise type 3	180	3000 Kgf
Morsa tipo 4	Vise type 4	180	3000 Kgf
Morsa tipo 5	Vise type 5	240	3200 Kgf
Morsa tipo 6	Vise type 6	240	3200 Kgf

* Max coppia applicabile per non superare i valori consigliati

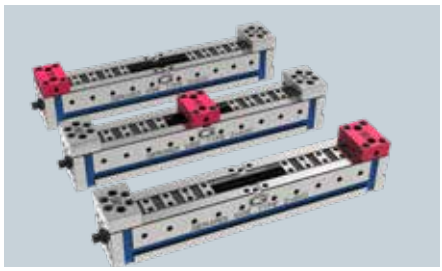
1 kgf . m = 9.806

ESTREMA VERSATILITY
EXTREME VERSATILITY



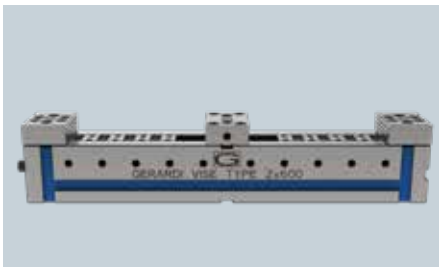
Sistema di serraggio meccanico, idraulico, pneumatico elettrico o con moltiplicatore di potenza, tramite comando manuale, a pedale o mediante pulsante elettrico (vedi pag. 12)

Mechanic, hydraulic or pneumatic or electrical clamping system or with pressure multiplier, through manual, pedal or push botton board control (see page 12)



3 posizioni per la ganascia fissa

3 positions for the fixed jaw



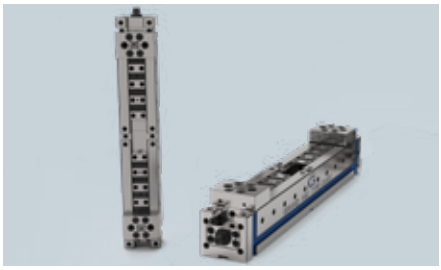
Costruzione solida e compatta e massma apertura rispetto alla sua lunghezza

Space saving design, solid construction and maximum blocking ratio to total lenght



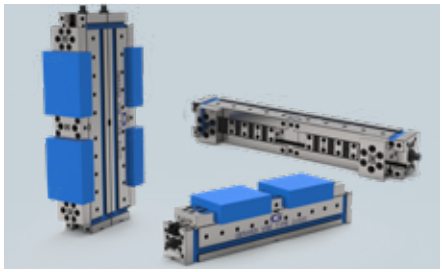
Serraggio dall'esterno all'interno e viceversa

Outside to inside clamping and viceversa



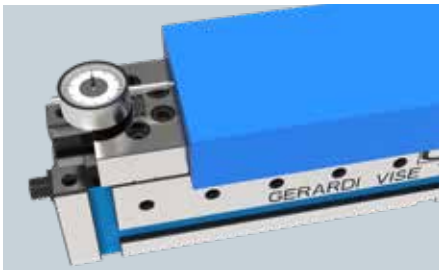
Precisioni geometriche con tolleranze entro 0,02mm

Geometrical accuracy with tollerances within 0,02 mm



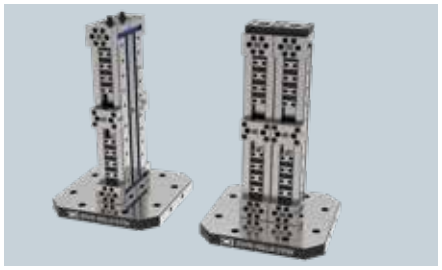
Posizionamento verticale-orizzontale laterale grazie alle chiavette longitudinali e trasversali sia sulla base che in testa

Vertically, horizontally and sideway vise positioning by the



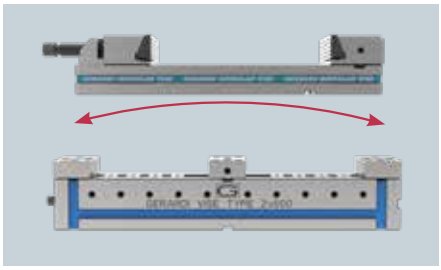
Accurata ripetibilità di posizionamento dei particolari da lavorare

Very accurate repetibility of workpieces position



Collegamento: fianco a fianco, dorso a dorso

Side by side, back to back vise positioning



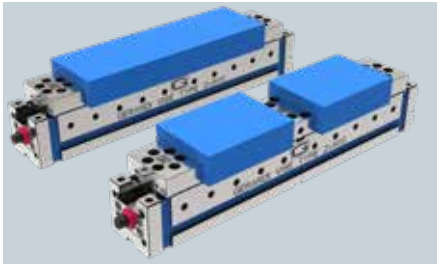
Flessioni ridotte di due volte rispetto alle morse modulari STANDARD

Bending reduced two times with respect to the STANDARD modular vises



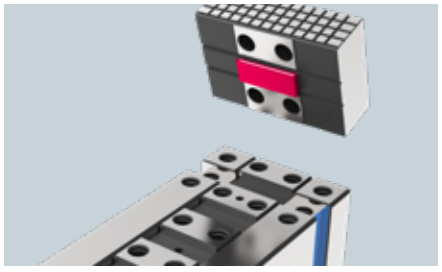
Possibilità illimitata per ganasce speciali

Unlimited range of special jaws



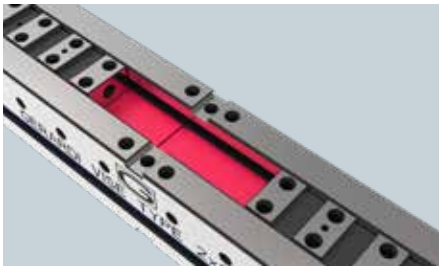
Trasformazione da autocentrante a doppia tramite la sostituzione delle ganasce sul corpo base universale e tramite la ghiera di regolazione.

Trasform each single vise in a self-centering with possibility to block from outside to inside and vice versa and in a double vise through the substitution of the jaws on the universal vise body base and by the setting nut.



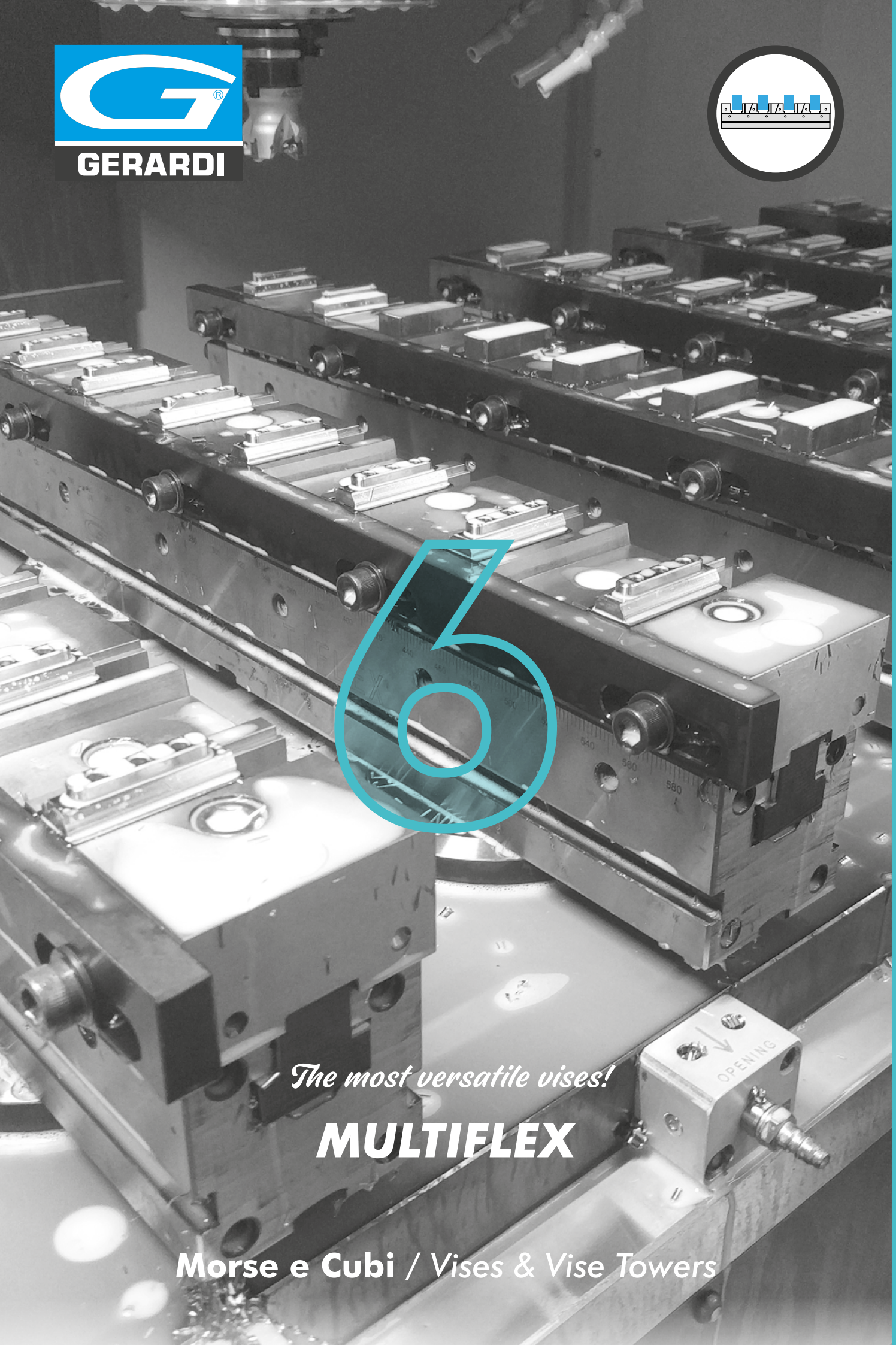
Sostituzione semplice e precisa delle ganasce

Simple and precise exchange of jaws



Protezione integrale dalla penetrazione di corpi estranei tramite piastre scorrevvoli

Integral protection from chips and dirty through sliding protections



GERARDI

6

The most versatile vises!

MULTIFLEX

Morse e Cubi / *Vises & Vise Towers*

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VALIGETTA DI CAMPIONATURA STD (Art.600)
SAMPLE KIT CASE STD (Art.600)



Art. 984

Valigetta di campionatura morsa Art.600 T.1x400
Sample kit case Art.600 T.1x400 vise

Cod.	0.98.40000
PRICE LIST €	
SPECIAL PRICE €	

All'Interno - Inside:

Art.604	Art.610B	Art.297
Art.605	Art.610C	Art.298
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Art.615	Art.610F	Art.376
Art.605L	Art.610T	- -



SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

GANASCE JAWS			Fissa Fixed	Mobile e fissa Fixed and movable	Mobile e fissa a gradino Fixed and movable with step	Mobile doppia Double movable
PIASTRE GANASCE JAW PLATES					Piana Straight	GRIP integrale Integral GRIP
POSSIBILITÀ POSSIBILITY			Predisposizione Zero Point Zero Point Ready	Cubi-morsa Vise tower	Divisore automatico Dividing head	Divisore Meccanico Mechanical dividing head
PAGINE PAGES				Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use	Diagrammi forze di serraggio Clamping force diagrams

Morse e cubi morsa / *Vises & vise-towers*

MULTIFLEX *SERIES*

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

Per serraggi multipli fino a 19 particolari di varie dimesioni

For flexible clamping of multiple workpieces of various sizes

USURA INESISTENTE / *NO WEAR*

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. Costruzione completamente in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 60 ±2 HRC. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo 5 ANNI DI GARANZIA su tutto il programma morse e organi meccanici in genere.

Thanks to the manufacturing with only the most suitable materials and to the structure of the vise components (developed using computer customised softwares and the experience gained during many years spent working on the specific field).
High alloyed quality resistance steel, case hardened HRC 60 ±2, is used in manufacturing all the Gerardi vises and accessories in order to give maximum rigidity, high performances and no wear. As evidence we give 5 YEARS WARRANTY on all the vises and mechanical components.

SERRAGGI ILLIMITATI / *UNLIMITED CLAMPING*

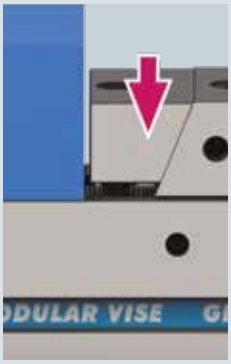
(Ganasce a gradino, zigrinate, lisce, per tondi, dolci, doppie, ecc.) La posizione, il numero o il tipo di ganascia può variare a seconda delle necessità di serraggio (possibilità di bloccare da 1 a 19 pezzi sulla stessa morsa) Pag.6.21

(Step jaws, serrated, flat, prismatic, soft, double, etc.) The jaws positioning, number or type could very according to the workholding needs (from 1 to 19 pcs. clamping possibility on the same vise base) Page. 6.21

TEMPI DI ATTREZZAGGIO RIDOTTI
REDUCED SET-UP TIMES

Posizionamenti ed ancoraggi delle ganasce sul corpo base di rapida esecuzione ed in prossimità del particolora da lavorare.

Quick and versatile jaws positioning very close to the workpiece.

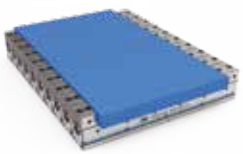


Azione discendente
Pull down jaw action

Cuneo di spinta guidato con sistema a pettine di righe rettificate di ganascia fissa e di ganascia mobile.

Wedge clamp with guided pull down law action thanks to the ground comb-teeth even between the fixed and movable jaws





Montaggio in parallelo
Parallel mounting

10 morse - Serraggio di 1 particolare
10 vises - 1 workpiece clamped



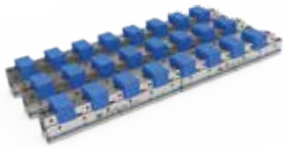
Montaggio in parallelo
Parallel mounting

10 morse - Serraggio di 4 particolari
10 vises - 4 workpiece clamped



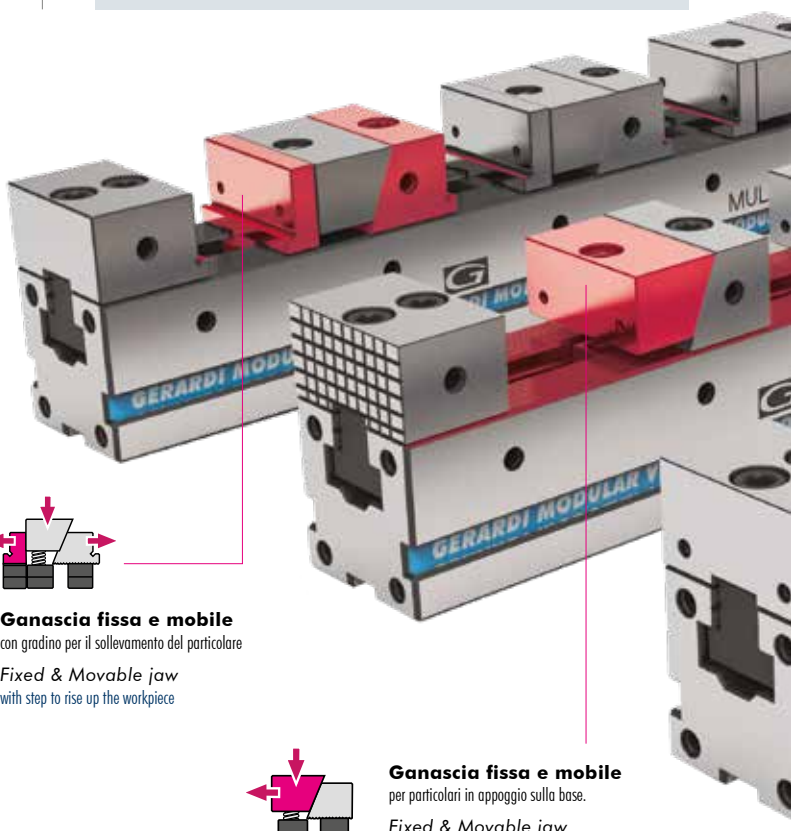
Montaggio in Linea
In line mounting

6 morse - Serraggio di 8 particolari
6 vises - 8 workpiece clamped



Montaggio in Linea
In line mounting

6 morse - Serraggio di 24 particolari
6 vises - 24 workpiece clamped



Ganascia fissa e mobile
con gradino per il sollevamento del particolare
Fixed & Movable jaw
with step to rise up the workpiece

Ganascia fissa e mobile
per particolari in appoggio sulla base.
Fixed & Movable jaw
with step to rise up the workpiece

Le morse della serie MULTIFLEX rappresentano un innovativo sistema modulare di serraggio in grado di sfruttare al massimo la capacità della tavola della macchina e di aumentarne, di conseguenza, la produttività. Il sistema è stato ideato per poter serrare contemporaneamente un notevole numero di pezzi sulla tavola della macchina utensile, riducendo così notevolmente i tempi morti.

The MULTIFLEX series vises are a total new concept of modular clamping system able to maximize the machine table capacity and thus to increase its productivity. This system is designated for clamping several workpieces at the same time on the machine tool table, thus reducing tool changeover times.

SCAN IT TO WATCH THE VIDEO PRESENTATION

5 YEARS WARRANTY

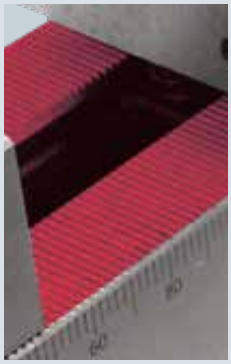
Le morse più versatili !
The most versatile vises !



Massima precisione garantita
Highest accuracy guaranteed

Di posizionamento ed allineamento delle ganasce e delle morse grazie alla rettificatura dal pieno della dentatura di ancoraggio della base.

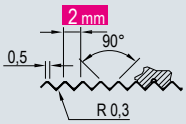
In positioning and alignement (±0,02 mm) thanks to the ground rack teeth on both the base and the fixed jaws.



Versatilità
Versatility

Possibilità di posizionamento, aggiunta o rimozione ganasce su qualsiasi posizione della dentatura.

Possibility of jaws positioning, addition or remove on whatever position on the vise base teeth

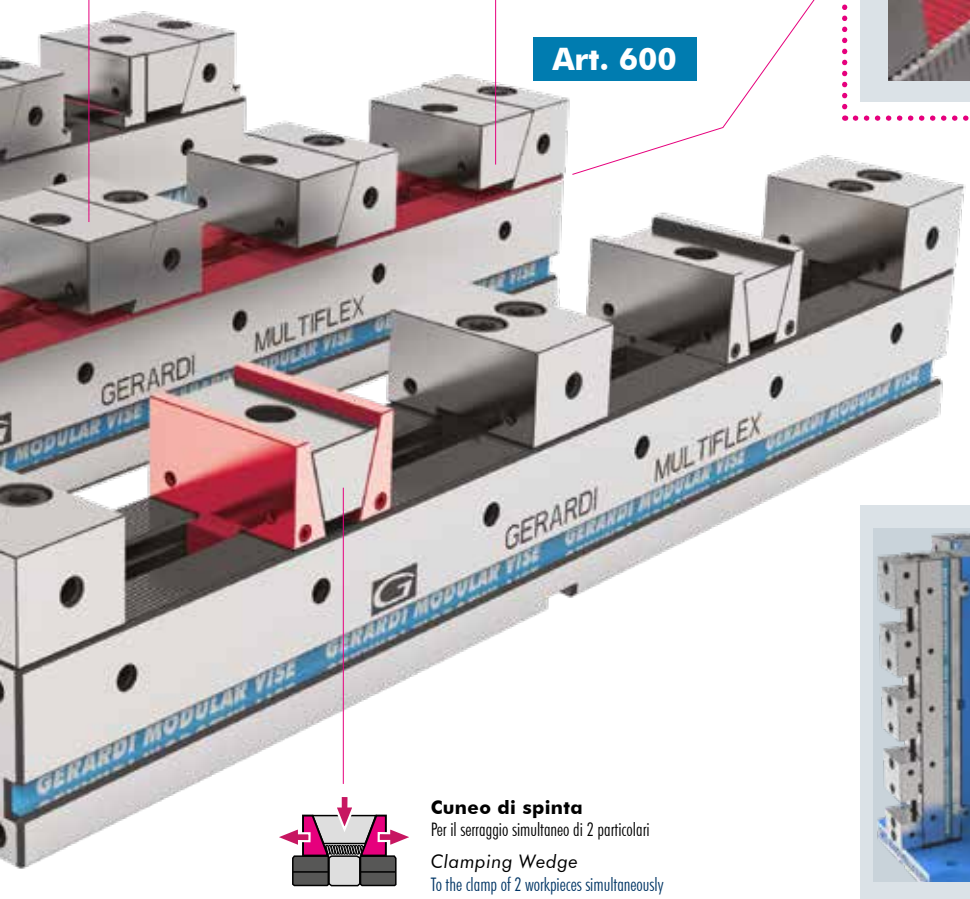


2 mm
Passo delle righe
Rows pitch

Art. 606

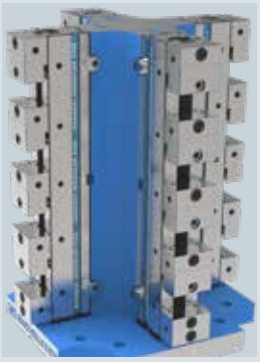
Art. 600

Art. 611



Cuneo di spinta
Per il serraggio simultaneo di 2 particolari

Clamping Wedge
To the clamp of 2 workpieces simultaneously



Montaggio Verticale
Vertical Set-Up

Tramite distanziali, strutture portapezzi o cubi-morsa verticali. Le morse modulari MULTIFLEX possono essere assemblate verticalmente, legate fra loro o montate su specifiche strutture portapezzi.

Through spacers, tombstones or vise-towers. MULTIFLEX vises can be vertically assembled linked each other or clamped to specific workholding structures.

Staffe d'ancoraggio / *Vise holding clamps*

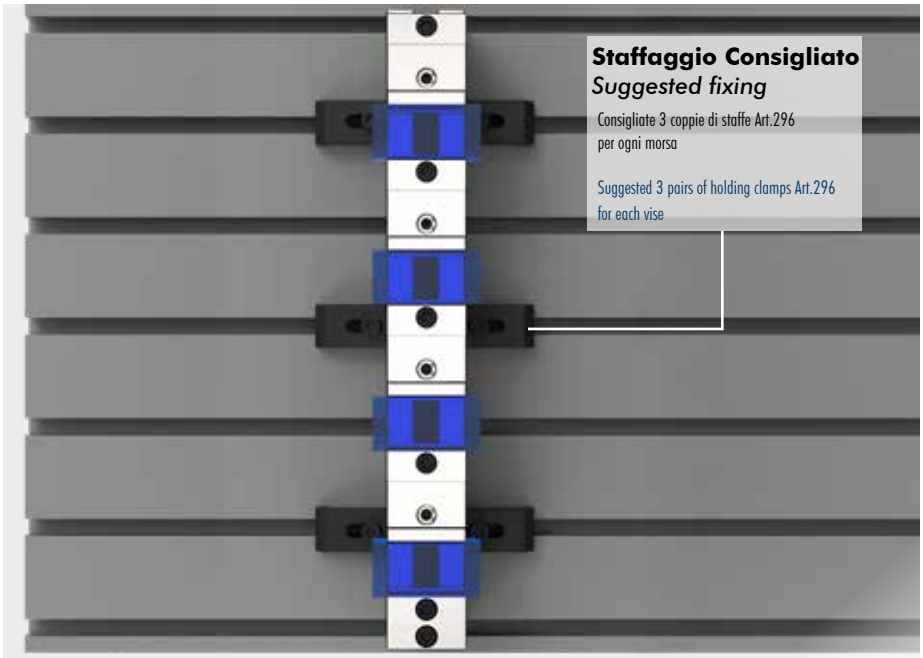
MULTIFLEX

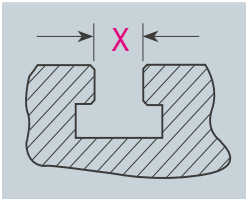
Coppia staffe di fissaggio Art.296, complete di vite e dado a "T"

Pair of vise holding clamps Art.296 complete of screw and "T" nuts

Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm
Oppure con codice: 2.29.6200 X=18mm

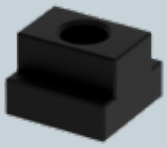
Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm
Also with code: 2.29.6200 X=18mm



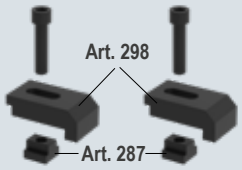


Cava a T
T Slot
Specificare sempre la cava della vostra macchina
Always specify the machine T-slot dimension

Ref N° Pag.4.34

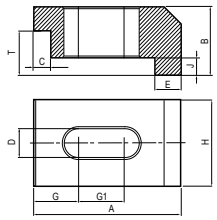


Art.287
Dadi a T - *T Nuts*
Per fissaggio morse alle cave a T della macchina
For vise clamping on the machine T-slots



Art.296
(Art.298 + Art.287)
Consigliate 3 coppie di staffe Art.296 per ogni morsa
Suggested 3 pairs of holding clamps Art.296 for each vise

Tipo (grandezza) Type (size)		1				1									2 - 3						
Art. 296	Cava a T slot X	12	14	16	18	12*	14	16	16	18	20	18*	20	22	16	18	20	22	18*	20	22
Coppia di staffe Holding clamps pair	T-nuts Ref. N°	8	9	10	11	12	13	14	20	21	22	32	33	34	20	21	33	34	32	33	34
	Filetto vite Screw thread	M8				M10			M12 *			M16			M12				M16 *		
1 X M8	A	50				50			50			50			76				76		
	B	24				24			24			24			30				30		
	C	6				6			6			6			6				6		
	Ø D	8,5				11			13			17			13				17		
	E	10				10			10			10			13				13		
	Ø F	14				-			-			-			-				-		
	G / G1	14				16/15			17,5/13			19/9			17/22				16/15		
	H	34				34			34			34			42				42		
	I	8				10			10			10			-				-		
	J	4				4			4			4			10				10		
	T ± 0,1	15				15			15			15			20				20		
	Cod.	2.29.61000 / M8				2.29.61000 / M10			2.29.61000 / M12			2.29.61000 / M16			2.29.63000 / M12				2.29.63000 / M12		



* *Scelta consigliata - Suggested choice*

* *Scelta NON consigliata - NOT Suggested choice*

Soluzioni personalizzate / *Customized solutions*

MULTIFLEX

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

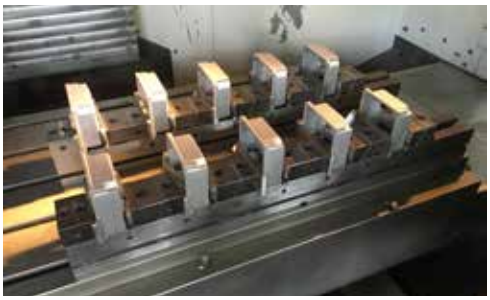


Morse Multiflex montate verticalmente

Multiflex vises vertically mounted

Cubo portapezzi Art.53C con 8 morse Multiflex Art.606 2x600 montato su Matsura H.Plus 400 per serraggio di 32 pezzi

Tombstone Art.53C with 8 Multiflex vises Art.606 2x600 mounted on Matsura H.Plus 400 for 32 pcs clamping



Morse Multiflex

Multiflex vises

MorseMultiflex montate in parallelo su centro di lavoro verticale per serraggi multipli

Multiflex vises mounted in parallel on vertical machining centre for multiple clamping



Cubo Multiflex

Multiflex vise tower

Particolari fuori dimensione, ma lavorati su cubo Multiflex Art.607 tipo 2

Rather big work-pieces machined on a Multiflex vise tower Art.607 Type 2

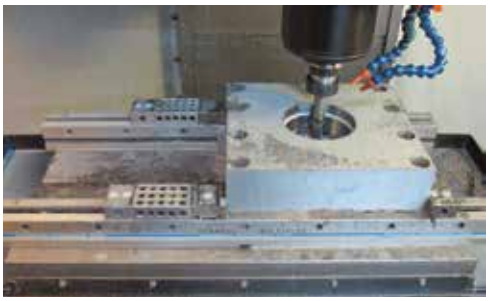


Morse Multiflex su quarto asse

Multiflex vises on 4th axis

Morsa Multiflex con relativa piastra di interfaccia montata su quarto asse

Multiflex vise with interface plate assembled on 4th axis



Morse Multiflex

Multiflex vises

Morse Multiflex Art.611 Tipo 1x700mm con ganasce doppie montate su centro di lavoro HAAS per serraggio di 2 particolari, uno fuori dimensione ed uno molto più piccolo

Multiflex vises Art.611 Type 1x700mm with double jaws shown on Haas machining centre for 2 workpieces clamping, one rather big and the other much smaller.

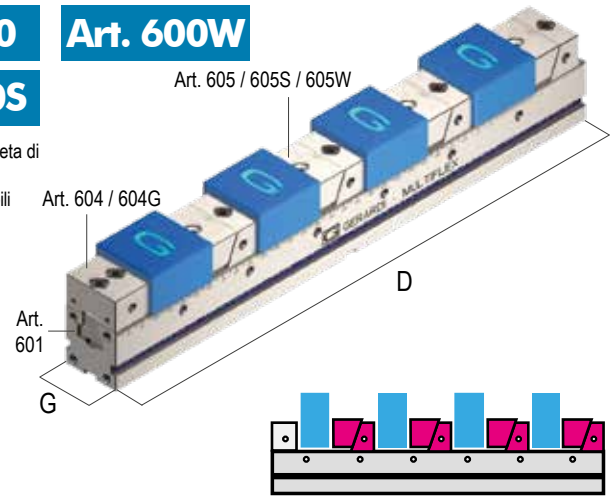
GUIDA RAPIDA Per la scelta della morsa Multiflex piú adatta alle vostre esigenze

Tipo (grandezza) morsa / Vise type (size)

Art. 600 Art. 600S Art. 600W

Ogni morsa è completa di
1 ganascia fissa,
4 ganasce fisse-mobili

Each vise is supplied with 1 fixed jaw and 4 fixed-movable jaws





Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

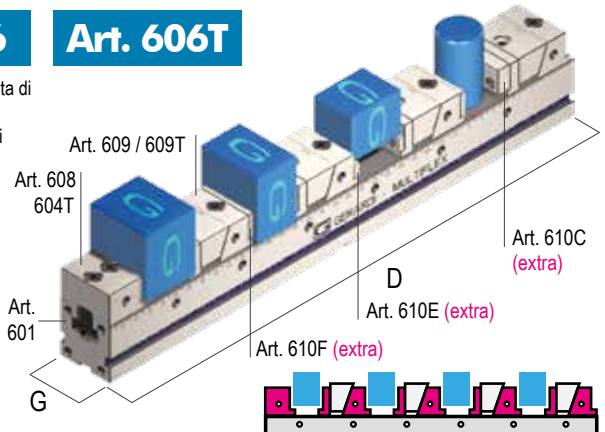
Apertura max in relazione al numero dei particolari / Max opening according to workpieces to be clamped

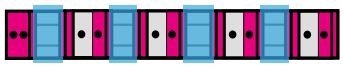
kN	1 — 20 kN		
D	300	400	500
G $^{-0}_{-0,02}$	50	50	50
1 pezzo / piece	205	305	408
2 pezzi / pieces	75	125	175
3 pezzi / pieces	30	64	96
4 pezzi / pieces	8	33	58
5 pezzi / pieces	-	15	35
6 pezzi / pieces	-	3	19
7 pezzi / pieces	-	-	8
8 pezzi / pieces	-	-	-
9 pezzi / pieces	-	-	-
10 pezzi / pieces	-	-	-
11 pezzi / pieces	-	-	-
12 pezzi / pieces	-	-	-
Cod. Art. 600	6.60.01300	6.60.01400	6.60.01500
Cod. Art. 600S	6.60.0S130	6.60.0S140	6.60.0S150
Cod. Art. 600W	6.60.0W130	6.60.0W140	6.60.0W150

Art. 606 Art. 606T

Ogni morsa è completa di
1 ganascia fissa,
4 ganasce fisse-mobili

Each vise is supplied with 1 fixed jaw and 4 fixed-movable jaws





Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

Apertura max in relazione al numero dei particolari / Max opening according to workpieces to be clamped

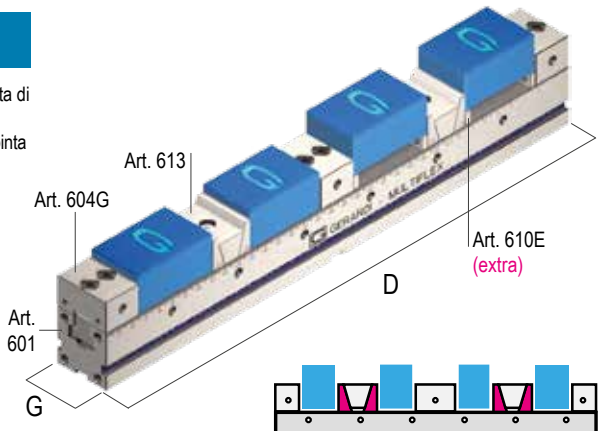
D	300 *	400	500
G $^{-0}_{-0,02}$	50	50	50
1 pezzo / piece	193	293	393
2 pezzi / pieces	63	113	163
3 pezzi / pieces	19	53	86
4 pezzi / pieces	-	23	48
5 pezzi / pieces	-	-	25
6 pezzi / pieces	-	-	-
7 pezzi / pieces	-	-	-
8 pezzi / pieces	-	-	-
9 pezzi / pieces	-	-	-
10 pezzi / pieces	-	-	-
11 pezzi / pieces	-	-	-
12 pezzi / pieces	-	-	-
Cod. Art. 606	6.60.61300	6.60.61400	6.60.61500
Cod. Art. 606T	6.60.6T130	6.60.6T140	6.60.6T150

* Solo per tipo 1 x 300 e 2 x 400 n. 3 ganasce fisse-mobili in dotazione Stadard

Art. 611

Ogni morsa è completa di
3 ganasce fisse,
2 ganasce mobili di spinta

Each vise is supplied with 3 fixed jaws and 2 clamping movable jaws





Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels

Apertura max in relazione al numero dei particolari / Max opening according to workpieces to be clamped

D	300	400	500
G $^{-0}_{-0,02}$	50	50	50
1 pezzo / piece	174	274	374
2 pezzi / pieces	87	137	185
3 pezzi / pieces	28	62	95
4 pezzi / pieces	21	46	71
5 pezzi / pieces	-	19	39
6 pezzi / pieces	-	16	33
7 pezzi / pieces	-	-	15
8 pezzi / pieces	-	-	13
9 pezzi / pieces	-	-	2
10 pezzi / pieces	-	-	-
11 pezzi / pieces	-	-	-
12 pezzi / pieces	-	-	-
Cod.	6.61.11300	6.61.11400	6.61.11500

QUICK GUIDE For the proper Multiflex vise choice according to your specific application

	1 20 kN		2 30 kN						3 40 kN			
D	600	700	400	500	600	700	800	900	700	800	900	1000
G $^{-0}_{-0,02}$	50	50	75	75	75	75	75	75	100	100	100	100
1 pcs.	508	608	275	375	475	575	675	755	532	632	732	832
2 pcs.	225	275	100	150	200	250	300	350	217	267	317	367
3 pcs.	129	161	41	75	108	141	175	280	112	145	178	211
4 pcs.	83	108	12	37	62	87	112	137,5	59	84	109	134
5 pcs.	55	75	-	15	35	55	75	95	28	48	68	88
6 pcs.	36	52	-	-	16	33	50	66,5	7	23	39	55
7 pcs.	22	36	-	-	3	17	32	46	-	6	2	34
8 pcs.	12	24	-	-	-	6	18	31	-	-	5	18
9 pcs.	5	16	-	-	-	-	8	19	-	-	-	5
10 pcs.	-	8	-	-	-	-	-	10	-	-	-	-
11 pcs.	-	2	-	-	-	-	-	2	-	-	-	-
12 pcs.	-	-	-	-	-	-	-	-	-	-	-	-
Cod. Art.	6.60.01600	6.60.01700	6.60.02400	6.60.02500	6.60.02600	6.60.02700	6.60.02800	6.60.02900	6.60.03700	6.60.03800	6.60.03900	6.60.03100
Cod. Art.	6.60.0S160	6.60.0S170	6.60.0S240	6.60.0S250	6.60.0S260	6.60.0S270	6.60.0S280	6.60.0S290	6.60.0S370	6.60.0S380	6.60.0S390	6.60.0S310
Cod. Art.	6.60.0W160	6.60.0W170	6.60.0W240	6.60.0W250	6.60.0W260	6.60.0W270	6.60.0W280	6.60.0W290	6.60.0W370	6.60.0W380	6.60.0W390	6.60.0W310

D	600	700	400 *	500	600	700	800	900	700	800	900	1000
G $^{-0}_{-0,02}$	50	50	75	75	75	75	75	75	100	100	100	100
1 pcs.	493	593	262	362	462	562	662	762	512	612	712	812
2 pcs.	213	263	87	137	187	237	287	337	197	247	294	347
3 pcs.	119	152	28	62	95	128	162	195	92	125	158	191
4 pcs.	73	97	-	24	49	74	99	124,5	39	64	89	114
5 pcs.	45	64	-	2	22	42	62	82	8	28	48	68
6 pcs.	26	42	-	-	3	20	37	53,5	-	3	20	37
7 pcs.	13	26	-	-	-	4	19	33	-	-	-	14
8 pcs.	-	14	-	-	-	-	5	18	-	-	-	-
9 pcs.	-	5	-	-	-	-	-	6	-	-	-	-
10 pcs.	-	-	-	-	-	-	-	-	-	-	-	-
11 pcs.	-	-	-	-	-	-	-	-	-	-	-	-
12 pcs.	-	-	-	-	-	-	-	-	-	-	-	-
Cod. Art.	6.60.61600	6.60.61700	6.60.62400	6.60.62500	6.60.62600	6.60.62700	6.60.62800	6.60.62900	6.60.63700	6.60.63800	6.60.63900	6.60.63100
Cod. Art.	6.60.6T160	6.60.6T170	6.60.6T240	6.60.6T250	6.60.6T260	6.60.6T270	6.60.6T280	6.60.6T290	6.60.6T370	6.60.6T380	6.60.6T390	6.60.6T310

* Only for type 1 x 300 and 2 x 400 n. 3 fixed-movable jaws Included in the standard equipment

D	600	700	400	500	600	700	800	900	700	800	900	1000
G $^{-0}_{-0,02}$	50	50	75	75	75	75	75	75	100	100	100	100
1 pcs.	474	574	242	342	442	542	642	792	470	570	670	770
2 pcs.	237	287	121	171	221	271	321	371	235	285	335	285
3 pcs.	128	162	45	78	112	145	178	228	103	136	169	202
4 pcs.	96	121	34	59	84	109	134	158,5	77	102	127	152
5 pcs.	59	79	5	25	45	65	85	115	30	50	70	90
6 pcs.	49	66	-	21	38	54	71	87,5	25	41	57	73
7 pcs.	30	44	-	3	17	31	46	66,5	-	12	26	40
8 pcs.	26	38	-	-	15	27	40	52	-	11	23	35
9 pcs.	13	24	-	-	1	12	23	40	-	-	3	14
10 pcs.	12	22	-	-	-	11	21	31	-	-	-	-
11 pcs.	3	12	-	-	-	-	10	22,5	-	-	-	-
12 pcs.	2	11	-	-	-	-	9	16,5	-	-	-	-
Cod. Art.	6.61.11600	6.61.11700	6.61.12400	6.61.12500	6.61.12600	6.61.12700	6.61.12800	6.61.12900	6.61.13700	6.61.13800	6.61.13900	6.61.13100

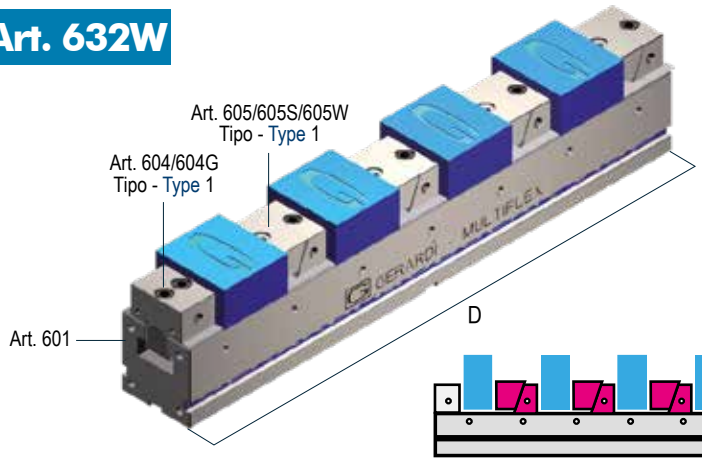
GUIDA RAPIDA Per la scelta della morsa Multiflex piú adatta alle vostre esigenze

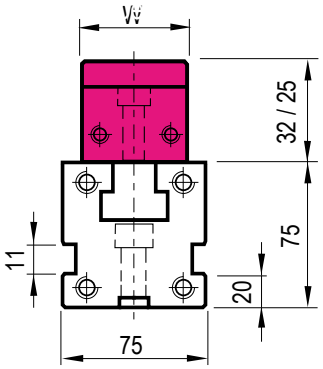
GANASCIA Tipo 1 (49mm) su BASE Tipo 2 / JAW Type 1 (49mm) on BASE Type 2

Art. 632 Art. 632W Art. 632S

Ogni morsa è completa di 1 ganascia fissa, 4 ganasce fisse-mobili

Each vise is supplied with 1 fixed jaw and 4 fixed-movable jaws





Ganascia tipo 1 ⇨ Base tipo 2
Jaw type 1 ⇨ Base type 2

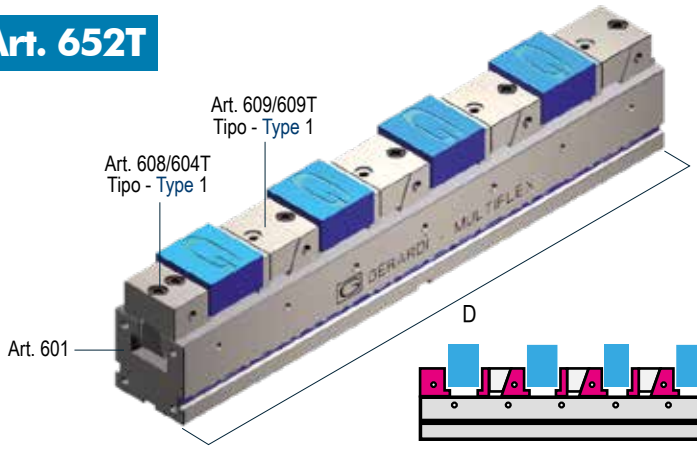


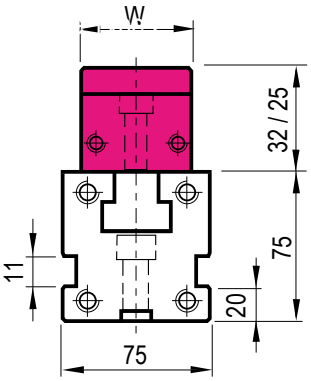
Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

Art. 652 Art. 652T

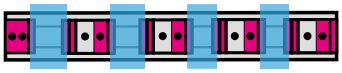
Ogni morsa è completa di 1 ganascia fissa, 4 ganasce fisse-mobili

Each vise is supplied with 1 fixed jaw and 4 fixed-movable jaws





Ganascia tipo 1 ⇨ Base tipo 2
Jaw type 1 ⇨ Base type 2

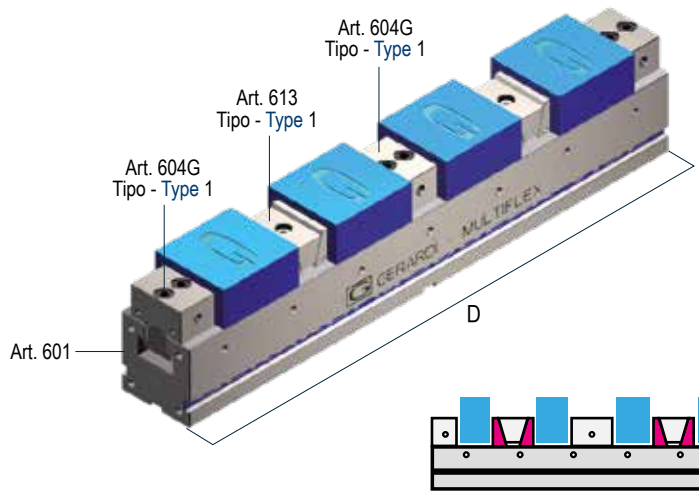


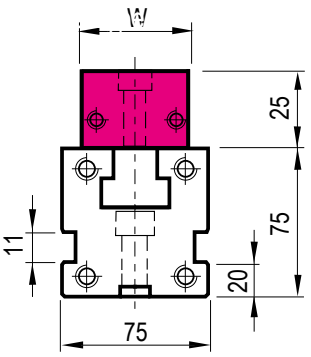
Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

Art. 692

Ogni morsa è completa di 3 ganasce fisse, 2 ganasce mobili di spinta

Each vise is supplied with 3 fixed jaws and 2 clamping movable jaws





Ganascia tipo 1 ⇨ Base tipo 2
Jaw type 1 ⇨ Base type 2



Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels

QUICK GUIDE For the proper Multiflex vise choice according to your specific application

kN	GANASCIA Tipo 1 - / JAW Type 1 20 kN					
D	400	500	600	700	800	900
1 pezzo / piece	304	404	504	604	704	804
2 pezzi / pieces	123	173	223	273	323	373
3 pezzi / pieces	62,7	96	129,3	162,7	196	229,3
4 pezzi / pieces	32,5	57,5	82,5	107,5	132,5	157,5
5 pezzi / pieces	14,4	34,4	54,4	74,4	94,4	114,4
6 pezzi / pieces	2,3	19	35,7	52,3	69	85,7
7 pezzi / pieces	-	8	22,3	36,6	50,9	65,1
8 pezzi / pieces	-	-	12,3	24,8	37,3	49,8
9 pezzi / pieces	-	-	4,4	15,6	26,7	37,8
10 pezzi / pieces	-	-	-	8,2	18,2	28,2
11 pezzi / pieces	-	-	-	2,2	11,3	20,4
12 pezzi / pieces	-	-	-	-	5,5	13,8
13 pezzi / pieces	-	-	-	-	11,3	8,3
Cod. Art. 632	6.63.21400	6.63.21500	6.63.21600	6.63.21700	6.63.21800	6.63.21900
Cod. Art. 632S	6.63.2S140	6.63.2S150	6.63.2S160	6.63.2S170	6.63.2S180	6.63.2S190
Cod. Art. 632W	6.63.2W140	6.63.2W150	6.63.2W160	6.63.2W170	6.63.2W180	6.63.2W190

Apertura max in relazione al numero dei particolari
Max opening according to workpieces to be clamped

D	400	500	600	700	800	900
1 pezzo / piece	296	396	496	596	696	796
2 pezzi / pieces	115	165	215	265	315	365
3 pezzi / pieces	54,7	88	121,3	154,7	188	221,3
4 pezzi / pieces	24,5	49,5	74,5	99,5	124,5	149,5
5 pezzi / pieces	6,4	26,4	46,4	66,4	86,4	106,4
6 pezzi / pieces	-	11	27,7	44,3	61	77,7
7 pezzi / pieces	-	-	14,3	28,6	42,9	57,1
8 pezzi / pieces	-	-	4,3	16,8	29,3	41,8
9 pezzi / pieces	-	-	-	7,6	18,7	29,8
10 pezzi / pieces	-	-	-	0,2	10,2	20,2
11 pezzi / pieces	-	-	-	-	3,3	12,4
12 pezzi / pieces	-	-	-	-	-	5,8
Cod.Art. 652	6.65.21400	6.65.21500	6.65.21600	6.65.21700	6.65.21800	6.65.21900
Cod.Art. 652T	6.65.2T140	6.65.2T150	6.65.2T160	6.65.2T170	6.65.2T180	6.65.2T190

Apertura max in relazione al numero dei particolari
Max opening according to workpieces to be clamped

D	400	500	600	700	800	900
1 pezzo / piece	277	377	477	577	677	777
2 pezzi / pieces	138,5	188,5	238,5	288,5	338,5	388,5
3 pezzi / pieces	64	97,3	130,7	164	197,3	230,7
4 pezzi / pieces	48	73	98	123	148	173
5 pezzi / pieces	21,4	41,4	61,4	81,4	101,4	121,4
6 pezzi / pieces	17,8	34,5	51,2	67,8	84,5	101,2
7 pezzi / pieces	3,1	17,4	31,7	46	60,3	74,6
8 pezzi / pieces	2,8	15,3	27,8	40,3	52,8	65,3
9 pezzi / pieces	-	4,1	15,2	26,3	37,4	48,6
10 pezzi / pieces	-	3,7	13,7	23,7	33,7	43,7
11 pezzi / pieces	-	-	4,7	13,8	22,9	32
12 pezzi / pieces	-	-	4,3	12,7	21	29,3
13 pezzi / pieces	-	-	-	5,2	12,8	20,5
14 pezzi / pieces	-	-	-	1,4	8,6	15,7
15 pezzi / pieces	-	-	-	-	5,5	12,1
16 pezzi / pieces	-	-	-	-	2,2	8,4
17 pezzi / pieces	-	-	-	-	-	5,7
Cod.	6.69.21400	6.69.21500	6.69.21600	6.69.21700	6.69.21800	6.69.21900

Apertura max in relazione al numero dei particolari
Max opening according to workpieces to be clamped

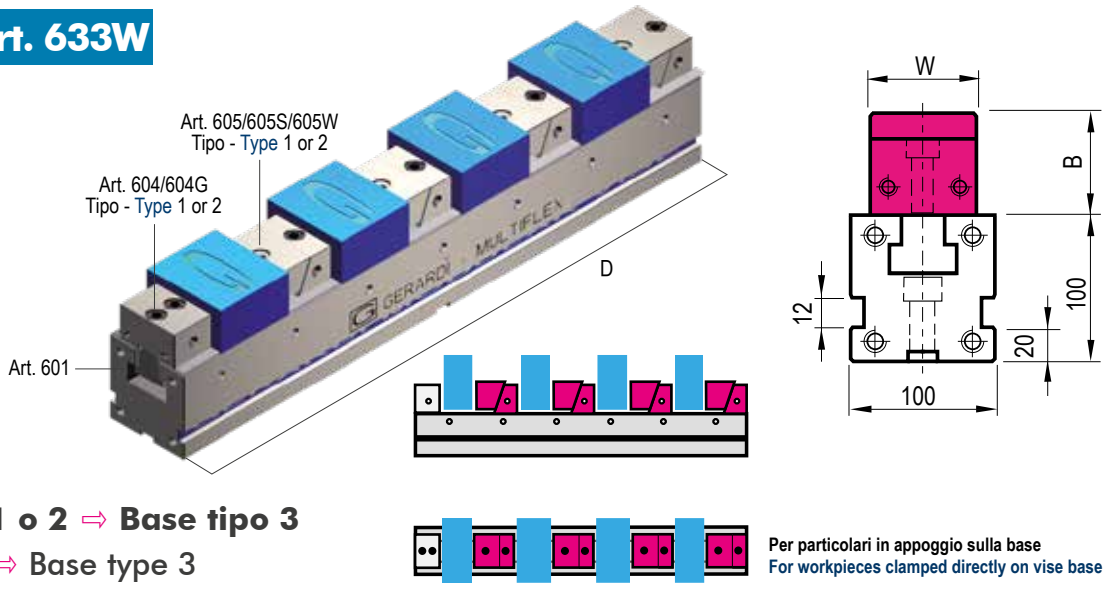
GUIDA RAPIDA Per la scelta della morsa Multiflex piú adatta alle vostre esigenze

GANASCIA Tipo 1 o Tipo 2 (49 o 74mm) su BASE Tipo 3 / JAW Type 1 or Type 2 (49 o 74mm) on BASE Type 3

Art. 633 Art. 633W Art. 633S

Ogni morsa è completa di
1 ganascia fissa,
4 ganasce fisse-mobili

Each vise is supplied with
1 fixed jaw and
4 fixed-movable jaws



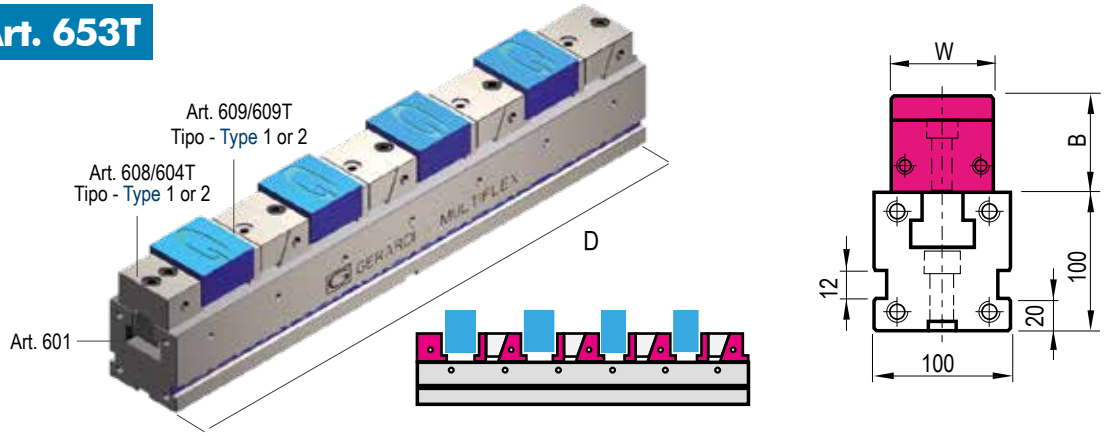
Ganascia tipo 1 o 2 ⇨ Base tipo 3
Jaw type 1 or 2 ⇨ Base type 3

Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

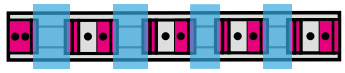
Art. 653 Art. 653T

Ogni morsa è completa di
1 ganascia fissa,
4 ganasce fisse-mobili

Each vise is supplied
with 1 fixed jaw and
4 fixed-movable jaws



Ganascia tipo 1 o 2 ⇨ Base tipo 3
Jaw type 1 or 2 ⇨ Base type 3

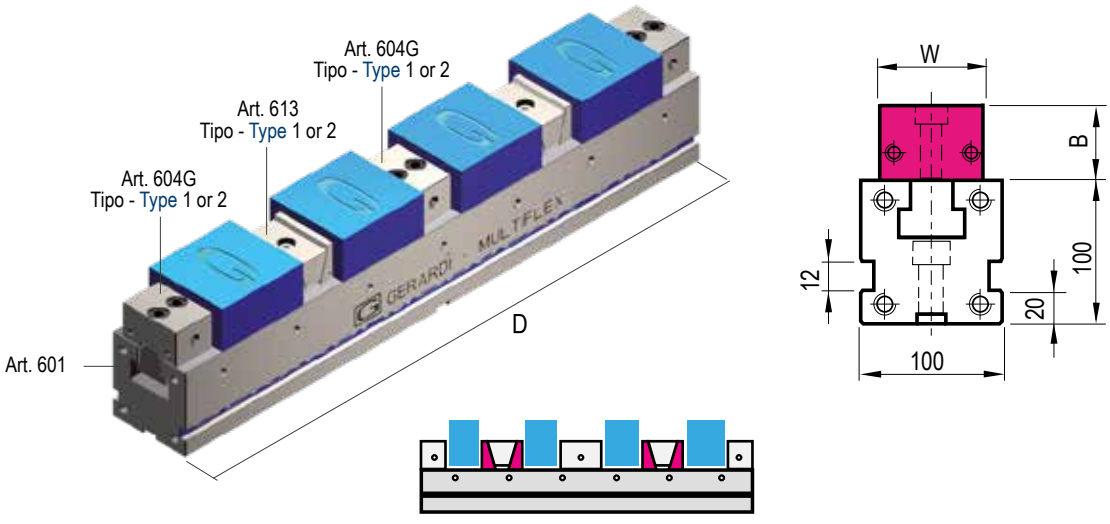


Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

Art. 693

Ogni morsa è completa di
3 ganasce fisse,
2 ganasce mobili di spinta

Each vise is supplied
with 3 fixed jaws
and 2 clamping movable jaws



Ganascia tipo 1 o 2 ⇨ Base tipo 3
Jaw type 1 or 2 ⇨ Base type 3



Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels

QUICK GUIDE For the proper Multiflex vise choice according to your specific application

	kN	GANASCIA Tipo 1 - / JAW Type 1 20 kN				GANASCIA Tipo 2 - / JAW Type 2 30 kN			
	D	700	800	900	1000	700	800	900	1000
	W	49				74			
Apertura max in relazione al numero dei particolari / Max opening according to workpieces to be clamped	**1** pezzo / piece	606	706	806	906	578	678	778	878
	2 pezzi / pieces	275	325	375	425	253	303	353	403
	3 pezzi / pieces	164,7	198	231,3	264,7	144,7	178	211,3	244,7
	4 pezzi / pieces	109,5	134,5	159,5	184,5	90,5	115,5	140,5	165,5
	5 pezzi / pieces	76,4	96,4	116,4	136,4	58	78	98	118
	6 pezzi / pieces	54,3	71	87,7	104,3	36,3	53	69,7	86,3
	7 pezzi / pieces	38,6	52,9	67,1	81,4	20,9	35	49,4	63,7
	8 pezzi / pieces	26,8	39,3	51,8	64,3	9,3	21,8	34,3	46,8
	9 pezzi / pieces	17,6	28,7	39,8	50,9	-	11,3	22,4	33,6
	10 pezzi / pieces	10,2	20,2	30,2	40,2	-	3	13	23
	11 pezzi / pieces	4,2	13,3	22,4	31,5	-	-	5,3	14,4
	12 pezzi / pieces	-	7,5	15,8	24,2	-	-	-	7,2
	13 pezzi / pieces	-	2,6	10,3	18	-	-	-	-
	14 pezzi / pieces	-	-	5,6	12,7	-	-	-	-
	15 pezzi / pieces	-	-	1,5	8,1	-	-	-	-
	Cod. Art. 633	6.63.31700	6.63.31800	6.63.31900	6.63.31100	6.63.32700	6.63.32800	6.63.32900	6.63.32100
	Cod. Art. 633S	6.63.3S170	6.63.3S180	6.63.3S190	6.63.3S110	6.63.3S270	6.63.3S280	6.63.3S290	6.63.3S210
	Cod. Art. 633W	6.63.3W170	6.63.3W180	6.63.3W190	6.63.3W110	6.63.3W270	6.63.3W280	6.63.3W290	6.63.3W210

	D	700	800	900	1000	700	800	900	1000
	W	49				74			
Apertura max in relazione al numero dei particolari / Max opening according to workpieces to be clamped	**1** pezzo / piece	596	696	796	896	565	665	765	865
	2 pezzi / pieces	265	315	365	415	240	290	340	390
	3 pezzi / pieces	154,7	188	221,3	254,7	131,7	165	198,3	231,7
	4 pezzi / pieces	99,5	124,5	149,5	174,5	77,5	102,5	127,5	152,5
	5 pezzi / pieces	66,4	86,4	106,4	126,4	45	65	85	105
	6 pezzi / pieces	44,3	61	77,7	94,3	23,3	40	56,7	73,3
	7 pezzi / pieces	28,6	42,9	57,1	71,4	7,9	22,1	36,4	50,7
	8 pezzi / pieces	16,8	29,3	41,8	54,3	-	8,8	21,3	33,8
	9 pezzi / pieces	7,6	18,7	29,8	40,9	-	-	9,4	20,6
	10 pezzi / pieces	-	10,2	20,2	30,2	-	-	-	10
	11 pezzi / pieces	-	3,3	12,4	21,5	-	-	-	-
	12 pezzi / pieces	-	-	5,8	14,2	-	-	-	-
	13 pezzi / pieces	-	-	-	8	-	-	-	-
	Cod.Art. 653	6.65.31700	6.65.31800	6.65.31900	6.65.31100	6.65.32700	6.65.32800	6.65.32900	6.65.32100
	Cod.Art. 653T	6.65.3T170	6.65.3T180	6.65.3T190	6.65.3T110	6.65.3T270	6.65.3T280	6.65.3T290	6.65.3T210

	D	700	800	900	1000	700	800	900	1000
	W	49				74			
Apertura max in relazione al numero dei particolari / Max opening according to workpieces to be clamped	**1** pezzo / piece	577	677	777	877	545	645	745	845
	2 pezzi / pieces	288,5	338,5	388,5	438,5	272	322,5	372,5	422,5
	3 pezzi / pieces	164	197,3	230,7	264	146,7	180	213	246,7
	4 pezzi / pieces	123	148	123	198	110	135	160	185
	5 pezzi / pieces	81,4	101,4	121,4	141,4	67	87	107	127
	6 pezzi / pieces	67,8	84,5	101,2	117,8	55,8	72,5	89,2	105,8
	7 pezzi / pieces	46	60,3	74,6	88,9	32,9	47,1	61,4	75,7
	8 pezzi / pieces	40,3	52,8	65,3	77,8	28,8	41,3	53,8	66,3
	9 pezzi / pieces	26,3	37,4	48,6	59,7	13,9	25	36,1	47,2
	10 pezzi / pieces	23,7	33,7	43,7	53,7	12,5	22,5	32,5	42,5
	11 pezzi / pieces	13,8	22,9	32	41,1	-	10,9	20	29,1
	12 pezzi / pieces	12,7	21	29,3	37,7	-	10	18,3	26,7
	13 pezzi / pieces	5,2	12,8	20,5	28,2	-	-	8,8	16,5
	14 pezzi / pieces	1,4	8,6	15,7	22,9	-	-	4,3	11,4
	15 pezzi / pieces	-	5,5	12,1	18,8	-	-	-	7,3
	16 pezzi / pieces	-	2,2	8,4	14,7	-	-	-	3,4
	17 pezzi / pieces	-	-	5,7	11,6	-	-	-	-
	18 pezzi / pieces	-	-	-	8,3	-	-	-	-
	19 pezzi / pieces	-	-	-	5,9	-	-	-	-
	Cod.	6.69.31700	6.69.31800	6.69.31900	6.69.31100	6.69.32700	6.69.32800	6.69.32900	6.69.32100

Art. 600

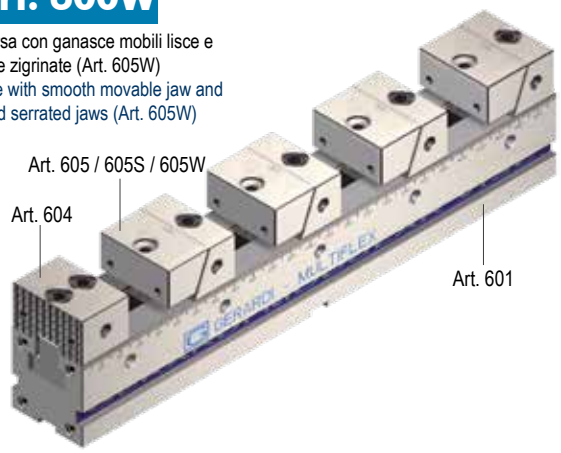
Morsa con ganasce lisce (Art. 605)
Vise with smooth jaws (Art. 605)

Art. 600S

Morsa con ganasce zigrinate (Art. 605S)
Vise with serrated jaws (Art. 605S)

Art. 600W

Morsa con ganasce mobili lisce e fisse zigrinate (Art. 605W)
Vise with smooth movable jaw and fixed serrated jaws (Art. 605W)



Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

Tipo (grandezza) morsa / Vise type (size)	1
kN	20 kN

A	4 x 8mm	4 x 33	4 x 58	4 x 83	4 x 108
B			32 / 25		
C -0 -0,02			50		
D	**300**	**400**	**500**	**600**	**700**
G -0 -0,02			50		
J			38		
J1			55 / 58		
I			10		
L			15		
Z			100		
W			49		
Ø P			9		
Q	100	100	300	300	400
Ø F7			10		
kg	7,2	8,7	10,1	11,6	13
Cod. Art. 600	6.60.01300	6.60.01400	6.60.01500	6.60.01600	6.60.01700
Cod. Art. 600S	6.60.0S130	6.60.0S140	6.60.0S150	6.60.0S160	6.60.0S170
Cod. Art. 600W	6.60.0W130	6.60.0W140	6.60.0W150	6.60.0W160	6.60.0W170

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 604*

Ganascia fissa (1 lato liscia, 1 lato zigrinata)
Fixed jaw (1 side smooth, 1 side serrated)



Cod.	6.60.41000

* Arresto laterale a richiesta Workstop on request

Art. 605*

Ganascia mobile e fissa liscia
Fixed and movable smooth jaws



Art. 605S*

Ganascia mobile e fissa zigrinata
Fixed and movable serrated jaws

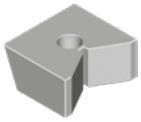


Cod. Art.605	6.60.51000
Cod. Art.605S	6.60.5S100

* Arresto laterale a richiesta Workstop on request

Art. 605L

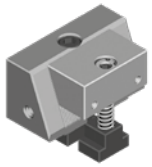
Cuneo di spinta a "V"
"V" clamping wedge



Cod.	6.60.5L100

Art. 615*

Ganascia con cuneo di posizionamento maggiorato
Jaw with bigger positioning wedge
(*increased with respect to standard dimensions*)



Cod.	6.61.51000

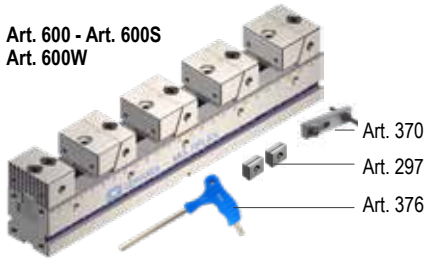
* Arresto laterale a richiesta Workstop on request

Art. 600 Art. 600S Art. 600W

Dotazione standard:
- 4 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a T Art. 376

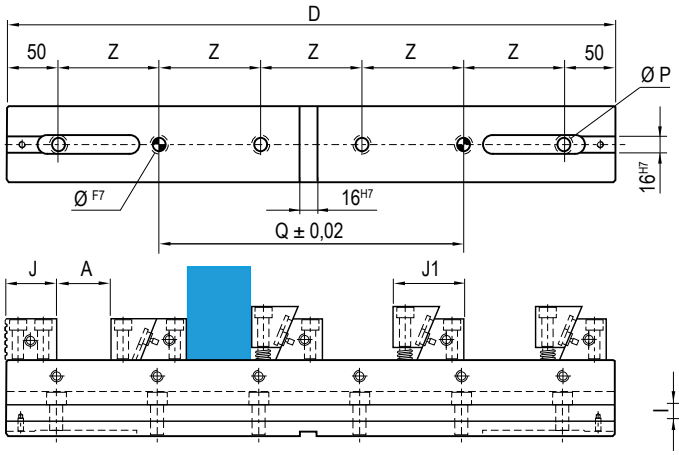
Extra per ogni foro calibrato (tolleranza F7)

Art. 600 - Art. 600S
Art. 600W



Standard equipment:
- 4 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)



Art. 81	Vite calibrata Schoulder screw
Tipo - Type 1	Ø10h7 x 20
Tipo - Type2	Ø16h7 x 35
Tipo - Type 3	Ø16h7 x 45

Ø = Sede viti calibrate
Hole for shoulder screw

Vedi pag. 6.38 - Vedi page 6.38

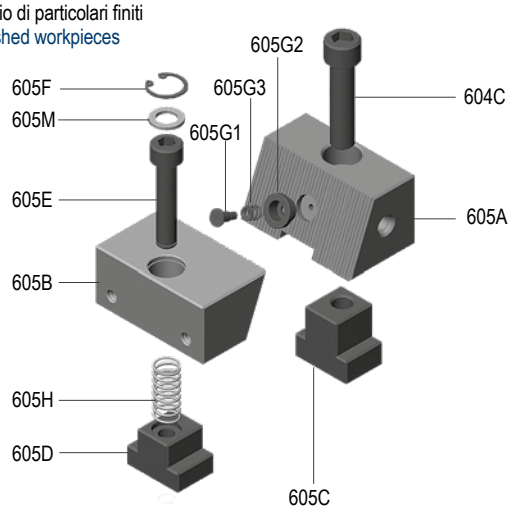
	2 30 kN						3 40 kN			
A	4 x 12mm	4 x 37	4 x 62	4 x 87	4 x 112	4x137	4 x 59	4 x 84	4 x 109	4 x 134
B	40						60			
C $^{-0}_{-0,02}$	75						100			
D	**400**	**500**	**600**	**700**	**800**	**900**	**700**	**800**	**900**	**1000**
G $^{-0}_{-0,02}$	75						100			
J	50						70			
J1	70 / 75						94,5 / 98,5			
I	11						12			
L	20						20			
Z	100						100			
W	74						99			
P	13						17			
Q	300	200	300	400	500	400	400	500	400	500
Ø ^{F7}	16						16			
kg	22,45	25,95	29,45	32,95	36,4	39,9	65,1	70,6	77,6	83,3
Cod. Art. 600	6.60.02400	6.60.02500	6.60.02600	6.60.02700	6.60.02800	6.60.02900	6.60.03700	6.60.03800	6.60.03900	6.60.03100
Cod. Art. 600S	6.60.0S240	6.60.0S250	6.60.0S260	6.60.0S270	6.60.0S280	6.60.0S290	6.60.0S370	6.60.0S380	6.60.0S390	6.60.0S310
Cod. Art. 600W	6.60.0W240	6.60.0W250	6.60.0W260	6.60.0W270	6.60.0W280	6.60.0W290	6.60.0W370	6.60.0W380	6.60.0W390	6.60.0W310

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Cod.	6.60.42000	6.60.43000
Cod. Art.605	6.60.52000	6.60.53000
Cod. Art.605S	6.60.5S200	6.60.5S300
Cod.	6.60.5L200	6.60.5L300
Cod.	6.61.52000	6.61.53000

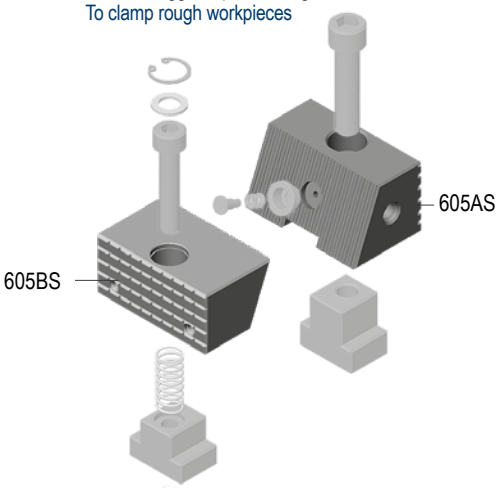
Art. 605 GANASCIA LISCIA / JAW PLATE

Per il serraggio di particolari finiti
To clamp finished workpieces



Art. 605S GANASCIA ZIGRINATA / SERRATED JAW

Per il serraggio di particolari grezzi
To clamp rough workpieces



Art.	Pag.
601	6.30
604	6.32
605	6.33
605S	6.33
605A	6.35
605AS	6.35
605B	6.35
605BS	6.35
604C	6.35
605C	6.35
605D	6.35
605E	6.35
605F	6.35
605G1	6.35
605G2	6.35
605G3	6.35
605H	6.35
605M	6.35

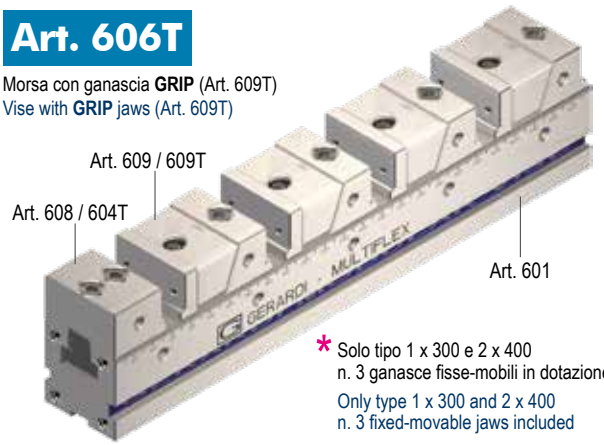
Tipo (grandezza) morsa / Vise type (size)		1			
	kN	20 kN			
A (606)		3 x 19mm *	4 x 23	4 x 48	4 x 73	4 x 97
A1 (606T)		3 x 15,3mm	4 x 18,8	4 x 43,8	4 x 68,8	4 x 93,8
B -0 -0,02				32 / 25		
C				50		
D -0 -0,02		300	400	500	600	700
G				50		
J				38		
J1				65 / 68		
J2				59 / 62		
I				10		
L				15		
Z				100		
W				49		
Ø P				9		
Q		100	100	300	300	400
Ø F7				10		
kg		7,25	8,8	10,2	11,7	13,15
Cod. Art. 606		6.60.61300	6.60.61400	6.60.61500	6.60.61600	6.60.61700
Cod. Art. 606T		6.60.6T130	6.60.6T140	6.60.6T150	6.60.6T160	6.60.6T170

Art. 606

Morsa con ganasce a gradino (Art. 609)
Vise with step jaws (Art. 609)

Art. 606T

Morsa con ganascia **GRIP** (Art. 609T)
Vise with **GRIP** jaws (Art. 609T)



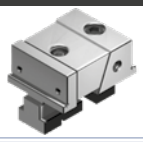
* Solo tipo 1 x 300 e 2 x 400
n. 3 ganasce fisse-mobili in dotazione
Only type 1 x 300 and 2 x 400
n. 3 fixed-movable jaws included

Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 609*

Ganascia fissa e mobile con gradino
Fixed and moving jaw with step



Cod.	6.60.91000

* Arresto laterale a richiesta Workstop on request

Art. 610B *

Piastra ganascia lavorabile / Soft jaw plate



Cod. Art. 610B	6.61.0B100

Art. 610C *

Piastra ganascia liscia / Smooth jaw plate



Cod. Art. 610C	6.61.0C100

Art. 610D *

Piastra ganascia zigrinata / Serrated jaw plate



Cod. Art. 610D	6.61.0D100

Art. 610E *

Piastra ganascia parallela / Parallel jaw plate



Cod. Art. 610E	6.61.0E100

Art. 610F *

Piastra ganascia prismatica / Prismatic jaw plate

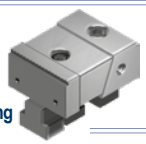


Cod. Art. 610F	6.61.0F100

* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36

Art. 609T*

Ganascia fissa e mobile con piastra ganascia
GRIP a forte serraggio
Fixed and moving jaw with **GRIP** jaw-plates **for strongest clamping**



Cod.	6.60.9T100

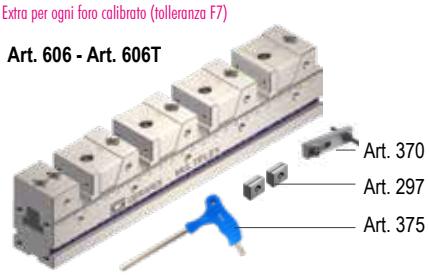
* Arresto laterale a richiesta Workstop on request

Art. 606 Art. 606T

Dotazione standard:
- 4 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a T Art. 376

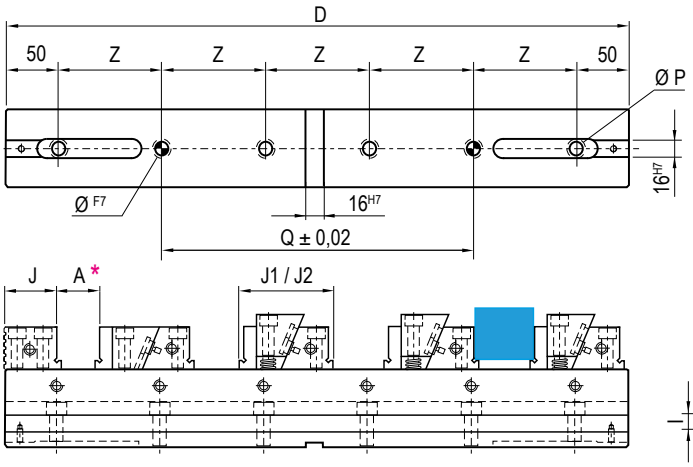
Extra per ogni foro calibrato (tolleranza F7)

Art. 606 - Art. 606T



Standard equipment:
- 4 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)



Art. 81	Vite calibrata Schoulder screw
Tipo - Type 1	Ø10h7 x 20
Tipo - Type2	Ø16h7 x 35
Tipo - Type 3	Ø16h7 x 45

Ø = Sede viti calibrate
Hole for shoulder screw

Vedi pag. 6.38 - Vedi page 6.38

	2 30 kN						3 40 kN			
A (606)	3 x 28mm *	4 x 24	4 x 49	4 x 74	4 x 99	4 x 124	4 x 44	4 x 69	4 x 94	4 x 119
A1 (609T)	3 x 31mm	4 x 27	4 x 52	4 x 77	4 x 102	4 x 127	4 x 41,5	4 x 66,5	4 x 91,5	4 x 116,5
B -0 -0,02	40						60			
C	75						100			
D -0 -0,02	400	500	600	700	800	900	700	800	900	1000
G	75						100			
J	50						70			
J1	83 / 88						113 / 119			
J2	77 / 82						103 / 107			
I	11						12			
L	20						20			
Z	100						100			
W	74						99			
P	13						17			
Q	300	200	300	400	500	400	400	500	400	500
Ø F7	16						16			
kg	21,9	25,4	28,9	32,4	38,1	41,6	68,3	73,8	81	86,5
Cod. Art. 606	6.60.62400	6.60.62500	6.60.62600	6.60.62700	6.60.62800	6.60.62900	6.60.63700	6.60.63800	6.60.63900	6.60.63100
Cod. Art. 606T	6.60.6T240	6.60.6T250	6.60.6T260	6.60.6T270	6.60.6T280	6.60.6T290	6.60.6T370	6.60.6T380	6.60.6T390	6.60.6T310

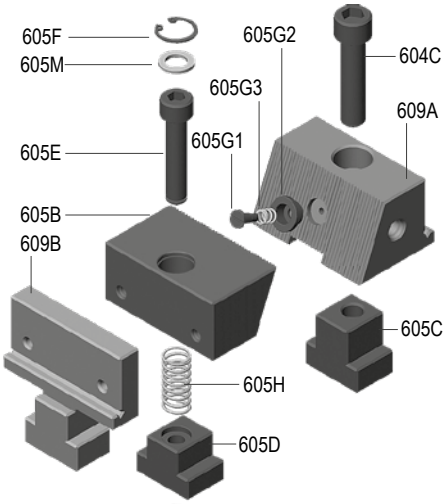
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Cod.	6.60.92000	6.60.93000
Cod. Art. 610B	6.61.0B200	6.61.0B300
Cod. Art. 610C	6.61.0C200	6.61.0C300
Cod. Art. 610D	6.61.0D200	6.61.0D300
Cod. Art. 610E	6.61.0E200	6.61.0E300
Cod. Art. 610F	6.61.0F200	6.61.0F300

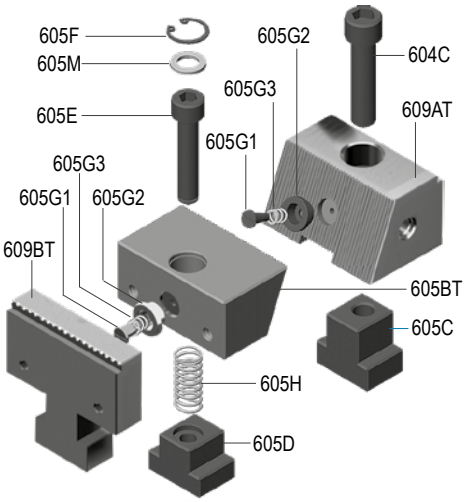
* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36

Cod.	6.60.9T200	6.60.9T300

Art. 609



Art. 609T



Art.	Pag.
601	6.30
604C	6.35
604T	6.32
605B	6.35
605BT	6.36
605C	6.35
605D	
605E	
605F	
605G1	
605G2	

Art.	Pag.
605G3	6.35
605H	6.35
605M	6.35
608	6.32
609A	6.36
609	6.16
609B	6.36
609AT	6.36
609BT	6.36
609T	6.16

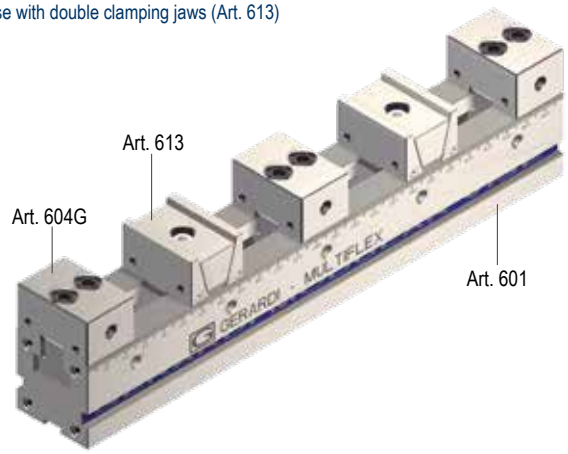
*Quota J1 valida solo per Art. 609
J1 dimension valids only for Art. 609

*Quota J2 valida solo per Art. **609T**
J2 dimension valids only for Art. **609T**

Tipo (grandezza) morsa / Vise type (size)	1				
kN	20 kN				
A	4 x 21mm	4 x 46	4 x 71	4 x 94	4 x 121
B			25		
C -0 -0,02			50		
D	**300**	**400**	**500**	**600**	**700**
G -0 -0,02			50		
J			38		
J1			44 / 50		
I			10		
L			15		
Z			100		
W			49		
Ø P			9		
Q	100	100	300	300	400
Ø F7			10		
kg	6,6	8,1	9,5	11	12,5
Cod.	6.61.11300	6.61.11400	6.61.11500	6.61.11600	6.61.11700

Art. 611

Morsa con ganasce doppie (Art. 613)
Vise with double clamping jaws (Art. 613)



Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 604G*

Ganascia fissa liscia da entrambi i lati
Fixed smooth jaws both sides

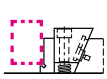


Cod.	6.60.4G100

* Arresto laterale a richiesta Workstop on request

Art. 610B *

Piastra ganascia lavorabile / Soft jaw plate





Cod. Art. 610B	6.61.0B100

Art. 610C *

Piastra ganascia liscia / Smooth jaw plate



Cod. Art. 610C	6.61.0C100

Art. 610D *

Piastra ganascia zigrinata / Serrated jaw plate



Cod. Art. 610D	6.61.0D100

Art. 610E *

Piastra ganascia parallela / Parallel jaw plate



Cod. Art. 610E	6.61.0E100

Art. 610F *

Piastra ganascia prismatica / Prismatic jaw plate

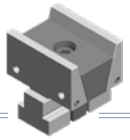


Cod. Art. 610F	6.61.0F100

* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36

Art. 613

Ganascia mobile doppia di spinta
Double clamping movable jaws



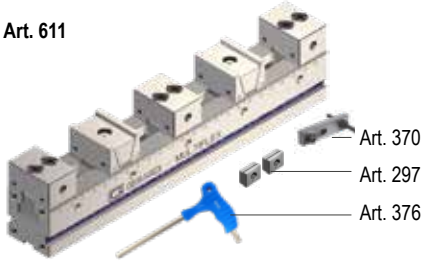
Cod.	6.61.31000

Art. 611

Dotazione standard:
- 4 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a T Art. 376

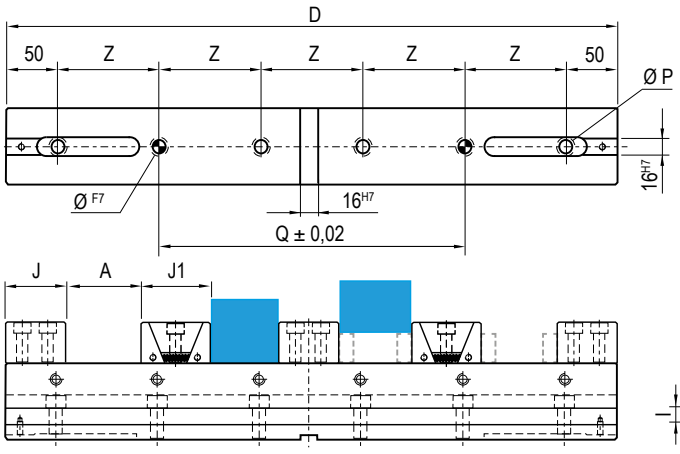
Extra per ogni foro calibrato (tolleranza F7)

Art. 611



Standard equipment:
- 4 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)



Art. 81	Vite calibrata Schoulder screw
Tipo - Type 1	Ø10h7 x 20
Tipo - Type2	Ø16h7 x 35
Tipo - Type 3	Ø16h7 x 45

Ø = Sede viti calibrate
Hole for shoulder screw

Vedi pag. 6.38 - Vedi page 6.38

	2 30 kN						3 40 kN			
A	4 x 34	4 x 59	4 x 84	4 x 109	4 x 134	4x159	4 x 77	4 x 102	4 x 127	4 x 152
B	40						60			
C $^{-0}_{-0,02}$	75						100			
D	**400**	**500**	**600**	**700**	**800**	**900**	**700**	**800**	**900**	**1000**
G $^{-0}_{-0,02}$	75						100			
J	50						70			
J1	52 / 58						84 / 90			
I	11						12			
L	20						20			
Z	100						100			
W	74						99			
P	13						17			
Q	300	200	300	400	500	400	400	500	400	500
Ø ^{F7}	16						16			
kg	20,79	24,29	27,79	31,29	34,8	38,3	63	68,5	74	79,5
Cod.	6.61.12400	6.61.12500	6.61.12600	6.61.12700	6.61.12800	6.61.12900	6.61.13700	6.61.13800	6.61.13900	6.61.13100

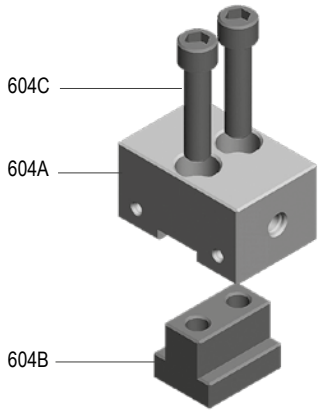
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Cod.	6.60.4G200	6.60.4G300
Cod. Art. 610B	6.61.0B200	6.61.0B300
Cod. Art. 610C	6.61.0C200	6.61.0C300
Cod. Art. 610D	6.61.0D200	6.61.0D300
Cod. Art. 610E	6.61.0E200	6.61.0E300
Cod. Art. 610F	6.61.0F200	6.61.0F300

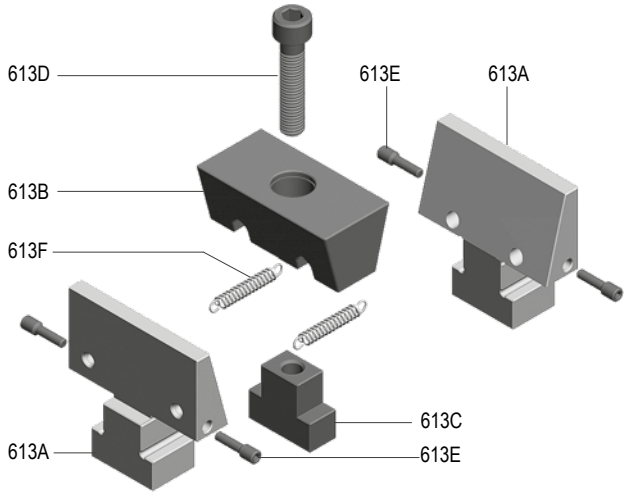
* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36

Cod.	6.61.32000	6.61.33000

Art. 604G GANASCIA FISSA / FIXED JAW



Art. 613 GANASCIA DOPPIA / DOUBLE JAW

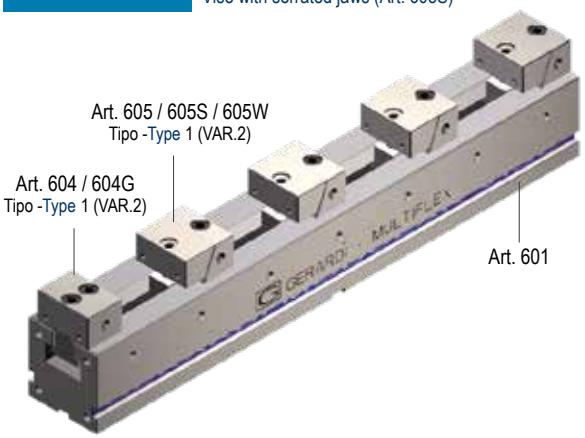


Art.	Pag.
601	6.30
604A	6.35
604B	6.35
604C	6.35
604G	6.32
613	6.34
613A	6.37
613B	6.37
613C	6.37
613D	6.37
613E	6.37
613F	6.37

GANASCE TIPO 1 ⇨ BASE TIPO 2
JAWS TYPE 1 ⇨ BASE TYPE 2

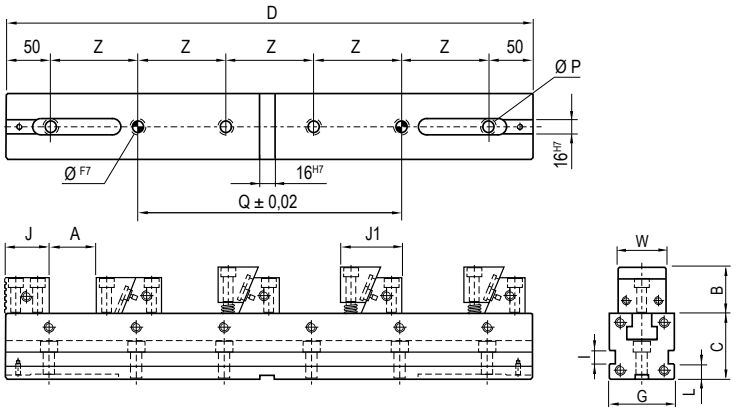
Art. 632
Morsa con ganasce lisce (Art. 605)
Vise with smooth jaws (Art. 605)

Art. 632S
Morsa con ganasce zigrinate (Art. 605S)
Vise with serrated jaws (Art. 605S)



Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

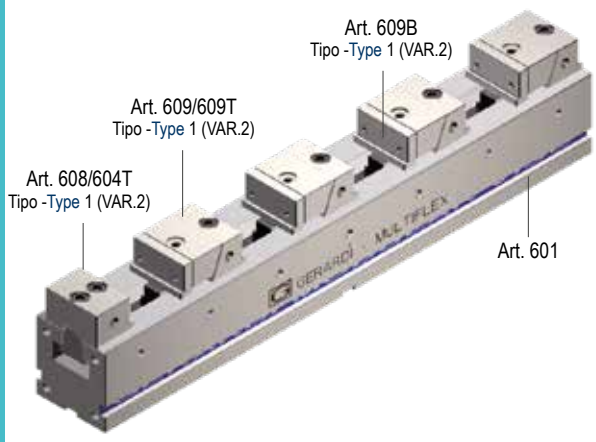
Art. 632W
Morsa con ganascia mobile liscia e fissa zigrinata (Art. 605W)
Vise with smooth movable jaws and fixed serrated jaws (Art. 605W)



Specificare quota W in fase d'ordine
To be specify the W quote in case of order

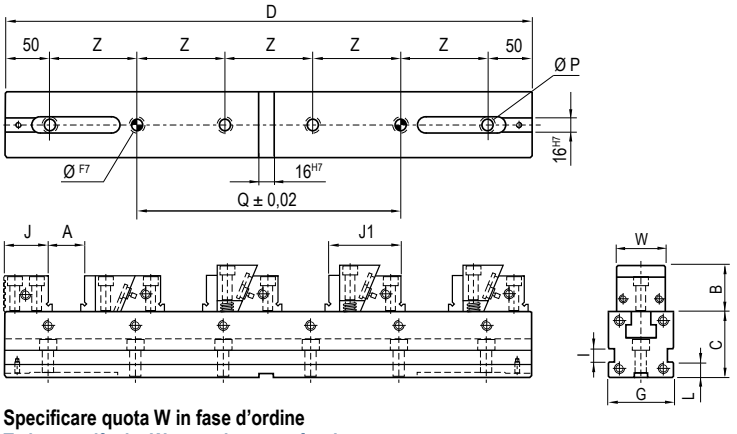
Extra per ogni foro calibrato (tolleranza F7) - Extra charge for each calibrated hole (F7 tolerance)

Art. 652
Morsa con ganasce a gradino (Art. 609)
Vise with step jaws (Art. 609)



Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

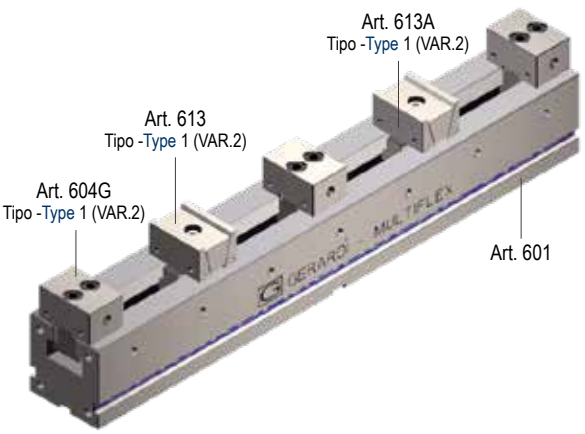
Art. 652T
Morsa con ganasce GRIP (Art. 609T)
Vise with GRIP jaws (Art. 609T)



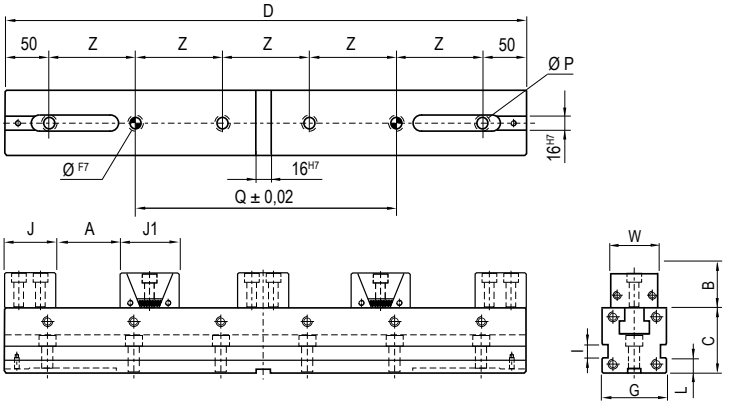
Specificare quota W in fase d'ordine
To be specify the W quote in case of order

Extra per ogni foro calibrato (tolleranza F7) - Extra charge for each calibrated hole (F7 tolerance)

Art. 692
Morsa con ganasce doppie (Art. 613)
Vise with double jaws (Art. 613)



Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels



Specificare quota W in fase d'ordine
To be specify the W quote in case of order

Extra per ogni foro calibrato (tolleranza F7) - Extra charge for each calibrated hole (F7 tolerance)

	1 20 kN					
A	4 x 32,5	4 x 57,5	4 x 82,5	4 x 107,5	4 x 132,5	4 x 157,5
B	32 / 25					
C $^{-0}_{-0,02}$	75					
D	**400**	**500**	**600**	**700**	**800**	**900**
G $^{-0}_{-0,02}$	75					
J	38					
J1	55 / 58					
I	11					
L	20					
Z	100					
W	49					
ØP	13					
Q	300	200	300	400	500	400
Ø ^{F7}	16					
kg	16,7	20,2	23,7	27,2	30,7	34,2
Cod. Art. 632	6.63.21400	6.63.21500	6.63.21600	6.63.21700	6.63.21800	6.63.21900
Cod. Art. 632S	6.63.2S140	6.63.2S150	6.63.2S160	6.63.2S170	6.63.2S180	6.63.2S190
Cod. Art. 632W	6.63.2W140	6.63.2W150	6.63.2W160	6.63.2W170	6.63.2W180	6.63.2W190

Kit trasformazione ganasce
Jaws trasformations kit

Art. 604B **T.1 (VAR.2)**
Dado a "**T**" per ganascia fissa
"**T**" nut for fixed jaw



Art. 605C **T.1 (VAR.2)**
Dado a "**T**" per cuneo di posizionamento
"**T**" nut for positioning wedge



Art. 605D **T.1 / (VAR.2)**
Dado a "**T**" per cuneo di spinta
"**T**" nut for clamping wedge



Vedi pag 6.38 - See pag 6.38

A	4 x 24,5	4 x 49,5	4 x 74,5	4 x 99,5	4 x 124,5	4 x 149,5
B	32 / 25					
C	75					
D	**400**	**500**	**600**	**700**	**800**	**900**
G $^{-0}_{-0,02}$	75					
J	38					
J1 $^{-0}_{-0,02}$	65 / 68					
I	11					
L	20					
Z	100					
W	49					
ØP	13					
Q	300	200	300	400	500	400
Ø ^{F7}	16					
kg	16,8	20,3	23,8	27,3	30,8	34,3
Cod. Art.652	6.65.21400	6.65.21500	6.65.21600	6.65.21700	6.65.21800	6.65.21900
Cod. Art.652T	6.65.2T140	6.65.2T150	6.65.2T160	6.65.2T170	6.65.2T180	6.65.2T190

Art. 609B **T.1 (VAR.2)**
Ganascia mobile guidata con gradino
Movable guided jaw with step



Art. 604B **T.1 (VAR.2)**
Dado a "**T**" per ganascia fissa
"**T**" nut for fixed jaw



Art. 605C **T.1 (VAR.2)**
Dado a "**T**" per cuneo di posizionamento
"**T**" nut for positioning wedge



Art. 605D **T.1 (VAR.2)**
Dado a "**T**" per cuneo di spinta
"**T**" nut for clamping wedge



Vedi pag 6.36-38 - See pag 6.36-38

A	4 x 48	4 x 73	4 x 98	4 x 123	4 x 148	4 x 173
B	25					
C	75					
D	**400**	**500**	**600**	**700**	**800**	**900**
G $^{-0}_{-0,02}$	75					
J	38					
J1 $^{-0}_{-0,02}$	44 / 50					
I	11					
L	20					
Z	100					
W	49					
ØP	13					
Q	300	200	300	400	500	400
Ø ^{F7}	16					
kg	16,1	19,6	23,1	26,6	30,1	33,7
Cod.	6.69.21400	6.69.21500	6.69.21600	6.69.21700	6.69.21800	6.69.21900

Art. 613A **T.1 (VAR.2)**
Ganascia mobile
Movable jaw



Art. 604B **T.1 (VAR.2)**
Dado a "**T**" per ganascia fissa
"**T**" nut for fixed jaw

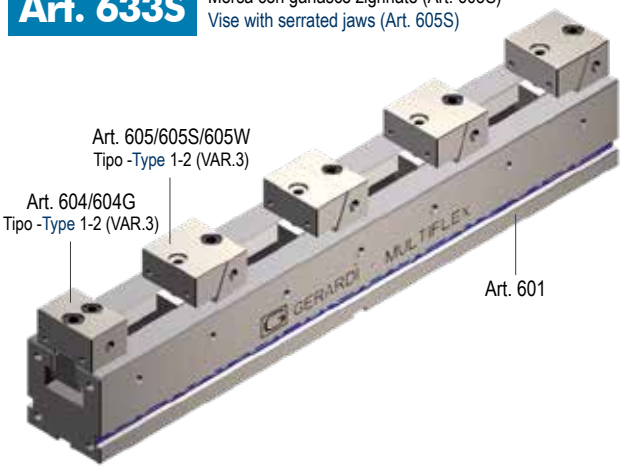


Vedi pag 6.37-38 - See pag 6.37-38

GANASCE TIPO 1 o 2 ⇨ BASE TIPO 3
JAWS TYPE 1 or 2 ⇨ BASE TYPE 3

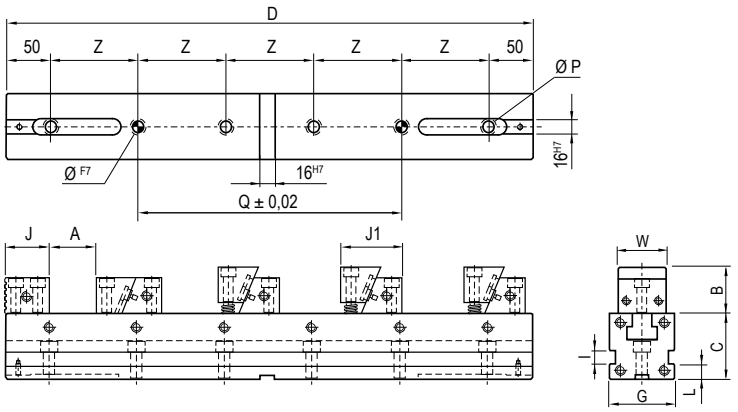
Art. 633 Morsa con ganasce lisce (Art. 605)
Vise with smooth jaws (Art. 605)

Art. 633S Morsa con ganasce zigrinate (Art. 605S)
Vise with serrated jaws (Art. 605S)



Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

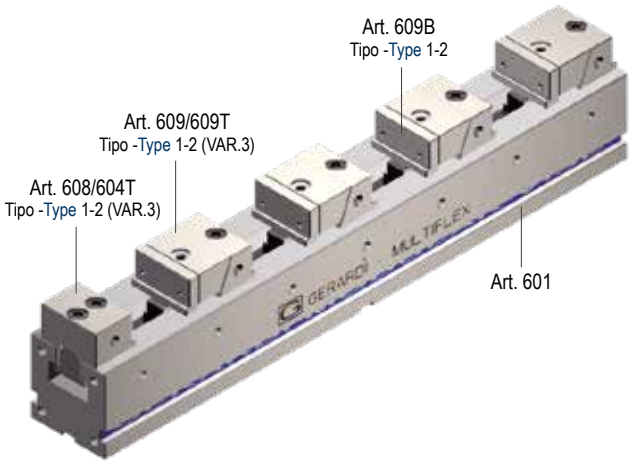
Art. 633W Morsa con ganascia mobile liscia e fissa zigrinata (Art. 605W)
Vise with smooth movable jaws and fixed serrated jaws (Art. 605W)



Specificare quota W in fase d'ordine
To be specify the W quote in case of order

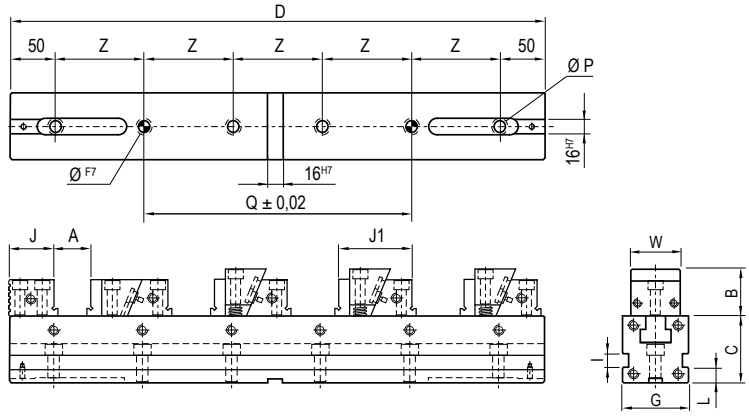
Extra per ogni foro calibrato (tolleranza F7) - Extra charge for each calibrated hole (F7 tolerance)

Art. 653 Morsa con ganasce a gradino (Art. 609)
Vise with step jaws (Art. 609)



Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

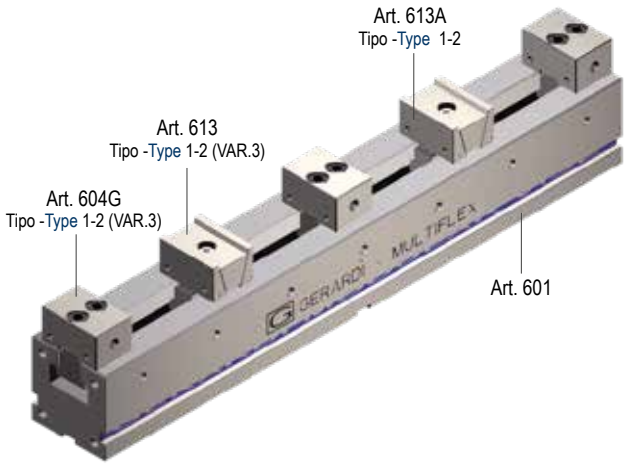
Art. 653T Morsa con ganasce GRIP (Art. 609T)
Vise with GRIP jaws (Art. 609T)



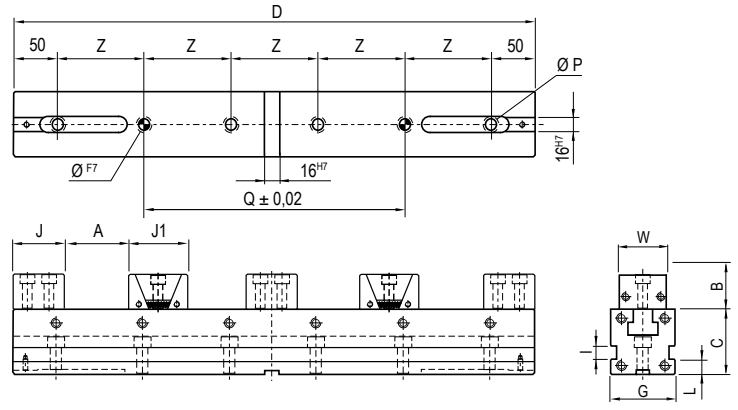
Specificare quota W in fase d'ordine
To be specify the W quote in case of order

Extra per ogni foro calibrato (tolleranza F7) - Extra charge for each calibrated hole (F7 tolerance)

Art. 693 Morsa con ganasce doppie (Art. 613)
Vise with double jaws (Art. 613)



Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels



Specificare quota W in fase d'ordine
To be specify the W quote in case of order

Extra per ogni foro calibrato (tolleranza F7) - Extra charge for each calibrated hole (F7 tolerance)

	1 20 kN				2 30 kN			
A	4 x 109,5	4 x 134,5	4 x 159,5	4 x 184,5	4 x 90,5	4 x 115,5	4 x 140,5	4 x 165,5
B	32 / 25				40			
C -0 -0,02	100				100			
D	**700**	**800**	**900**	**1000**	**700**	**800**	**900**	**1000**
G -0 -0,02	100				100			
J	38				50			
J1	55 / 58				70 / 25			
I	12				12			
L	20				20			
Z	100				100			
W	49				74			
P	17				17			
Q	400	500	400	500	400	500	400	500
Ø F7	16				16			
kg	45,3	50,8	57,8	63,5	50,5	56	63	68,7
Cod. Art. 633	6.63.31700	6.63.31800	6.63.31900	6.63.31100	6.63.32700	6.63.32800	6.63.32900	6.63.32100
Cod. Art. 633S	6.63.3S170	6.63.3S180	6.63.3S190	6.63.3S110	6.63.3S270	6.63.3S280	6.63.3S290	6.63.3S210
Cod. Art. 633W	6.63.3W170	6.63.3W180	6.63.3W190	6.63.3W110	6.63.3W270	6.63.3W280	6.63.3W290	6.63.3W210

Kit trasformazione ganasce
Jaws trasformations kit

Art. 604B **T.1 (VAR.2)**
Dado a "**T**" per ganascia fissa
"**T**" nut for fixed jaw



Art. 605C **T.1 (VAR.2)**
Dado a "**T**" per cuneo di posizionamento
"**T**" nut for positioning wedge



Art. 605D **T.1 / (VAR.2)**
Dado a "**T**" per cuneo di spinta
"**T**" nut for clamping wedge



Vedi pag 6.38 - See pag 6.38

A	4 x 99,5	4 x 124,5	4 x 149,5	4 x 174,5	4 x 77,5	4 x 102,5	4 x 127,5	4 x 152,5
B	32 / 25				40			
C	100				100			
D	**700**	**800**	**900**	**1000**	**700**	**800**	**900**	**1000**
G -0 -0,02	100				100			
J	38				50			
J1 -0 -0,02	65 / 68				83 / 88			
I	12				12			
L	20				20			
Z	100				100			
W	49				74			
P	17				17			
Q	400	500	400	500	400	500	400	500
Ø F7	16				16			
kg	45,4	50,9	57,9	63,6	51,1	56,6	63,6	69,3
Cod. Art.653	6.65.31700	6.65.31800	6.65.31900	6.65.31100	6.65.32700	6.65.32800	6.65.32900	6.65.32100
Cod.Art.653T	6.65.3T170	6.65.3T180	6.65.3T190	6.65.3T110	6.65.3T270	6.65.3T280	6.65.3T290	6.65.3T210

Art. 609B **T.1 (VAR.2)**
Ganascia mobile guidata con gradino
Movable guided jaw with step



Art. 604B **T.1 (VAR.2)**
Dado a "**T**" per ganascia fissa
"**T**" nut for fixed jaw



Art. 605C **T.1 (VAR.2)**
Dado a "**T**" per cuneo di posizionamento
"**T**" nut for positioning wedge



Art. 605D **T.1 (VAR.2)**
Dado a "**T**" per cuneo di spinta
"**T**" nut for clamping wedge



Vedi pag 6.36-38 - See pag 6.36-38

A	4 x 123	4 x 148	4 x 173	4 x 198	4 x 110	4 x 135	4 x 160	4 x 185
B	25				40			
C	100				100			
D	**700**	**800**	**900**	**1000**	**700**	**800**	**900**	**1000**
G -0 -0,02	100				100			
J	38				50			
J1 -0 -0,02	44 / 50				52 / 58			
I	12				12			
L	20				20			
Z	100				100			
W	49				74			
P	17				17			
Q	400	500	400	500	400	500	400	500
Ø F7	16				16			
kg	44,7	50,2	57,9	62,9	49,4	54,9	61,9	66,6
Cod.	6.69.31700	6.69.31800	6.69.31900	6.69.31100	6.69.32700	6.69.32800	6.69.32900	6.69.32100

Art. 613A **T.1 (VAR.2)**
Ganascia mobile
Movable jaw



Art. 604B **T.1 (VAR.2)**
Dado a "**T**" per ganascia fissa
"**T**" nut for fixed jaw



Vedi pag 6.37-38 - See pag 6.37-38

Tipo (grandezza) morsa / Vise type (size)

	kN	1 20 kN				
A		4 x 8mm	4 x 33	4 x 58	4 x 83	4 x 108
B				25		
B1				32 / 25		
C $^{-0}_{-0,02}$				100		
D		300	400	500	600	700
G $^{-0}_{-0,02}$				50		
J				38		
J1				55 / 58		
H				66		
Ø I ^{H7}				25		
L				20		
M				14		
kg		26,2	31,2	36,2	41,2	46,3
Cod. Art.602		6.60.21300	6.60.21400	6.60.21500	6.60.21600	6.60.21700
Cod.Art.602S		6.60.2S130	6.60.2S140	6.60.2S150	6.60.2S160	6.60.2S170
Cod.Art.602W		6.60.2W130	6.60.2W140	6.60.2W150	6.60.2W160	6.60.2W170

Art. 602

Cubo-morsa con ganasce lisce (Art. 605)
Vise-tower with smooth jaws (Art. 605)

Art. 602S

Cubo-morsa con ganasce zigrinate (Art. 605S)
Vise-tower with serrated jaws (Art. 605S)

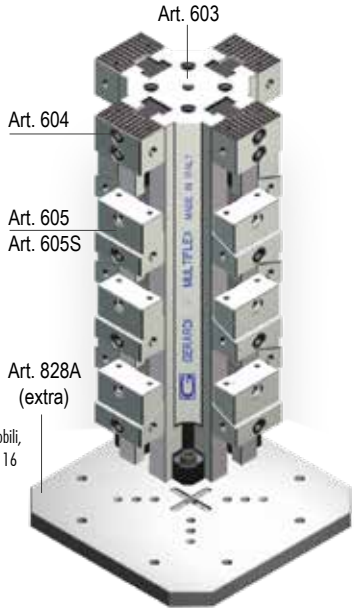
Art. 602W

Cubo-morsa con ganasce mobili lisce e fisse zigrinate (Art. 605W)
Vise cube with smooth movable jaw and fixed serrated jaws (Art. 605W)

Ogni cubo-morsa è completo di 4 ganasce fisse, 16 ganasce fisse mobili, 1 chiave a T, 1 coppia tasselli di posizionamento per cava da16mm e 16 arresti laterali

Each vise-tower is supplied with 4 fixed jaws and 16 fixed-movable jaws, 1 T wrench, 1 pair of positioning key-nuts for 16 mm slot Art. 297 and 16 workstops

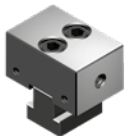
Per particolari in appoggio sulla base
For workpieces clamped directly on vise base



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 604*

Ganascia fissa (1 lato liscia, 1 lato zigrinata)
Fixed jaw (1 side smooth, 1 side serrated)



Cod.	6.60.41000

* Arresto laterale a richiesta Workstop on request

Art. 605*

Ganascia mobile e fissa liscia
Fixed and movable smooth jaws



Art. 605S*

Ganascia mobile e fissa zigrinata
Fixed and movable serrated jaws

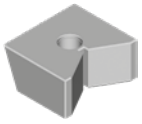


Cod. Art.605	6.60.51000
Cod. Art.605S	6.60.5S100

* Arresto laterale a richiesta Workstop on request

Art. 605L

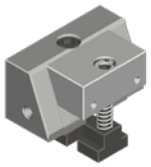
Cuneo di spinta a "V"
"V" clamping wedge



Cod.	6.60.5L100

Art. 615*

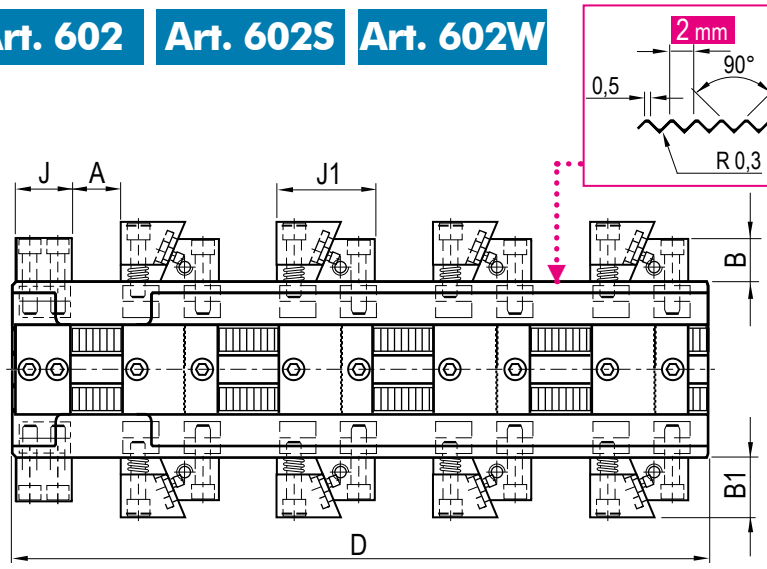
Ganascia con cuneo di posizionamento maggiorato
Jaw with bigger positioning wedge
(increased with respect to standard dimensions)



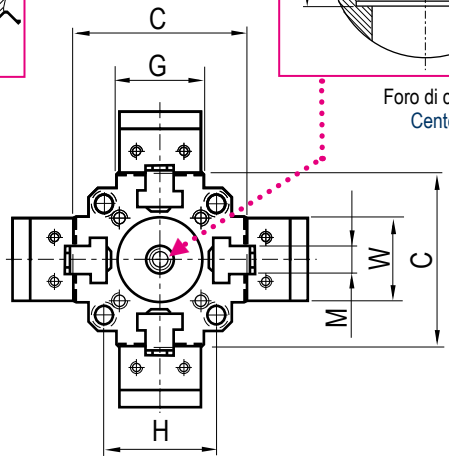
Cod.	6.61.51000

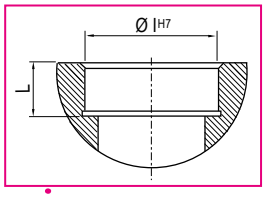
* Arresto laterale a richiesta Workstop on request

Art. 602 Art. 602S Art. 602W



2 mm = Passo delle righe
Rows pitch





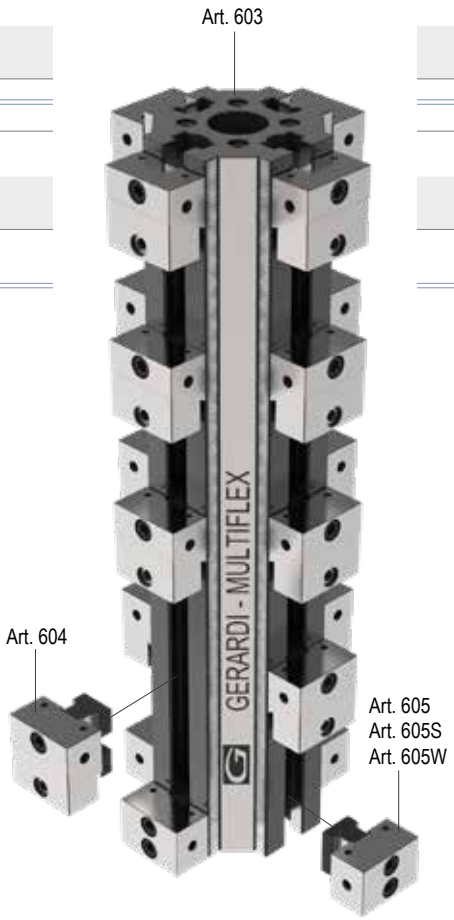
Foro di centraggio
Centering hole

	2 30 kN								3 40 kN			
A	4 x 12mm	4 x 37	4 x 62	4 x 62	4 x 87	4 x 87	4 x 87	4 x 112	4 x 59	4 x 84	4 x 109	4 x 134
B		40		40	40		40			60		
B1		40		40	40		40			60		
C -0 -0,02		150		230	150	210	240			240		
D	400	500	600	600	700	700	700	800	700	800	900	1000
G -0 -0,02		75		75	75		75			100		
J		50		50	50		50			70		
J1		70 / 75		70 / 75	70 / 75		70 / 75			94,5 / 98,5		
H		100		-	100	100	-	-		150 / 200		
Ø I H7		50		50	50		50			50		
L		20		20	20		20			20		
M		22		22	22		22			30		
kg	79	90,2	101,4	144	112,6	149,2	175	195	254	278	301	325
Cod. Art.	6.60.22400	6.60.22500	6.60.22600	6.60.22601	6.60.22700	6.60.22701	6.60.22702	6.60.22800	6.60.23700	6.60.23800	6.60.23900	6.60.23100
Cod.Art.	6.60.2S240	6.60.2S250	6.60.2S260	6.60.2S261	6.60.2S270	6.60.2S271	6.60.2S272	6.60.2S280	6.60.2S370	6.60.2S380	6.60.2S390	6.60.2S310
Cod.Art.	6.60.2W240	6.60.2W250	6.60.2W260	6.60.2W261	6.60.2W270	6.60.2W271	6.60.2W272	6.60.2W280	6.60.2W370	6.60.2W380	6.60.2W390	6.60.2W310

I prezzi su fondo magenta sono **comprensivi di base integrale** / Prices on the magenta background **include the solid head plate** with the vise-tower

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

	6.60.42000		6.60.43000
	6.60.52000 6.60.5S200		6.60.53000 6.60.5S300
	6.60.5L200		6.60.5L300
	6.61.52000		6.61.53000



Art. 605 GANASCIA LISCIA / JAW PLATE

Per il serraggio di particolari finiti
To clamp finished workpieces

Art. 605W

Ganascia mobile liscia e fissa zigrinata
Smooth movable jaw and fixed serrated jaw

Art. 605S GANASCIA ZIGRINATA / SERRATED JAW

Per il serraggio di particolari grezzi
To clamp rough workpieces

Art.	Pag.
603	6.31
604	6.32
605	6.33
605S	6.33

Tipo (grandezza) morsa / Vise type (size)

Art. 607

Cubo-morsa con ganasce a gradino (Art. 609)
Vise-tower with step jaws (Art. 609)

Art. 607T

Cubo-morsa con ganasce **GRIP** (Art. 609T)
Vise-tower with **GRIP** jaws (Art. 609T)

Ogni cubo-morsa è completo di 4 ganasce fisse, 16 ganasce fisse mobili, 1 chiave a T, 1 coppia tasselli di posizionamento per cava da16mm e 16 arresti laterali

Each vise-tower is supplied with 4 fixed jaws and 16 fixed-movable jaws 1 T wrench, 1 pair of positioning key-nuts for 16 mm slot Art. 297 and 16 workstops

* Solo tipo 1x300 e 2x400 n. 12 ganasce fisse-mobili in dotazione
Only type 1x300 and 2x400 n. 12 fixed-movable jaws included



Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

kN	1 20 kN				
A	3 x 19mm *	4 x 23	4 x 48	4 x 73	4 x 97
B	25				
B1	32 / 25				
C $^{-0}_{-0,02}$	100				
D	300	400	500	600	700
G $^{-0}_{-0,02}$	50				
J	38				
J1	65 / 68				
J2	59 / 62				
H	66				
Ø I^{H7}	25				
L	20				
M	14				
W	49				
kg	29,6	34,6	39,6	44,6	49,7
Cod. Art. 607	6.60.71300	6.60.71400	6.60.71500	6.60.71600	6.60.71700
Cod. Art. 607T	6.60.7T130	6.60.7T140	6.60.7T150	6.60.7T160	6.60.7T170

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 609*

Ganascia fissa e mobile con gradino
Fixed and moving jaw with step

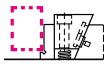


Cod.	6.60.91000

* Arresto laterale a richiesta Workstop on request

Art. 610B *

Piastra ganascia lavorabile / Soft jaw plate





Cod. Art. 610B	6.61.0B100

Art. 610C *

Piastra ganascia liscia / Smooth jaw plate



Cod. Art. 610C	6.61.0C100

Art. 610D *

Piastra ganascia zigrinata / Serrated jaw plate



Cod. Art. 610D	6.61.0D100

Art. 610E *

Piastra ganascia parallela / Parallel jaw plate



Cod. Art. 610E	6.61.0E100

Art. 610F *

Piastra ganascia prismatica / Prismatic jaw plate



Cod. Art. 610F	6.61.0F100

* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36

Art. 609T*

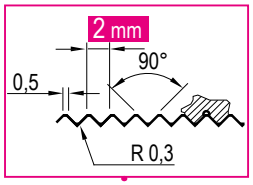
Ganascia fissa e mobile con piastra ganascia
GRIP a forte serraggio
Fixed and moving jaw with **GRIP** jaw-plates **for strongest clamping**



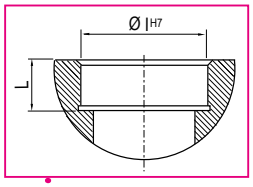
Cod.	6.60.9T100

* Arresto laterale a richiesta Workstop on request

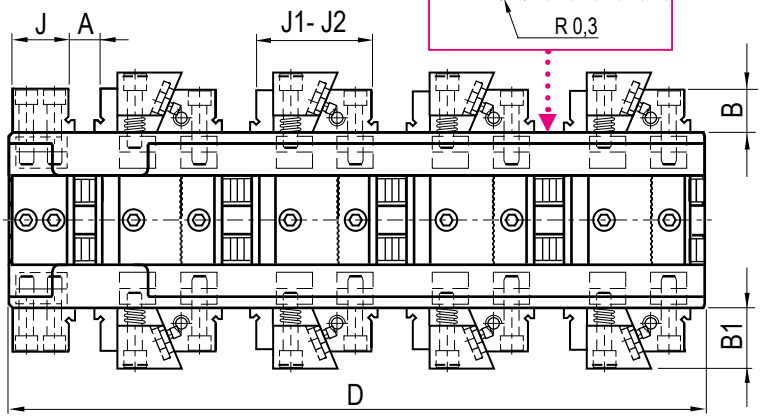
Art. 607 Art. 607T

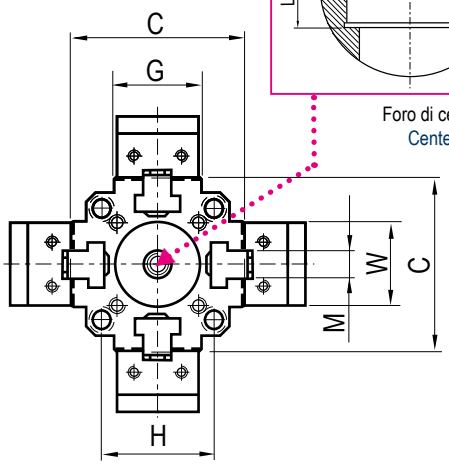


2 mm = Passo delle righe
Rows pitch



Foro di centraggio
Centering hole





	2 30 kN								3 40 kN			
A	3 x 28mm *	4 x 24	4 x 49	4 x 49	4 x 74	4 x 74	4 x 74	4 x 99	4 x 39	4 x 64	4 x 89	4 x 114
B		40		40	40		40			60		
B1		40		40	40		40			60		
C -0 -0,02		150		230	150	210	240			240		
D	400	500	600	600	700	700	700	800	700	800	900	1000
G -0 -0,02		75		75	75		75			100		
J		50		50	50		50			70		
J1		83 / 88		83 / 88	83 / 88		83 / 88			109 / 113		
J2		77 / 82		77 / 82	77 / 82		77 / 82			103 / 107		
H		100		-	100	-	-	-		150 / 200		
Ø I^{H7}		50		50	50		50			50		
L		20		20	20		20			20		
M		22		22	22		22			30		
W		74		74	74		74			99		
kg	85,6	96,8	108	150	119,2	155,8	183	203	268	292	315	339
Cod. Art.	6.60.72400	6.60.72500	6.60.72600	6.60.72601	6.60.72700	6.60.72701	6.60.72702	6.60.72800	6.60.73700	6.60.73800	6.60.73900	6.60.73100
Cod. Art.	6.60.7T240	6.60.7T250	6.60.7T260	6.60.7T261	6.60.7T270	6.60.7T271	6.60.7T272	6.60.7T280	6.60.7T370	6.60.7T380	6.60.7T390	6.60.7T310

I prezzi su fondo magenta sono **comprensivi di base integrale** / Prices on the magenta background **include the solid head plate** with the vise-tower

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Cod.	6.60.92000	6.60.93000
Cod. Art. 610B	6.61.0B200	6.61.0B300
Cod. Art. 610C	6.61.0C200	6.61.0C300
Cod. Art. 610D	6.61.0D200	6.61.0D300
Cod. Art. 610E	6.61.0E200	6.61.0E300
Cod. Art. 610F	6.61.0F200	6.61.0F300

* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36

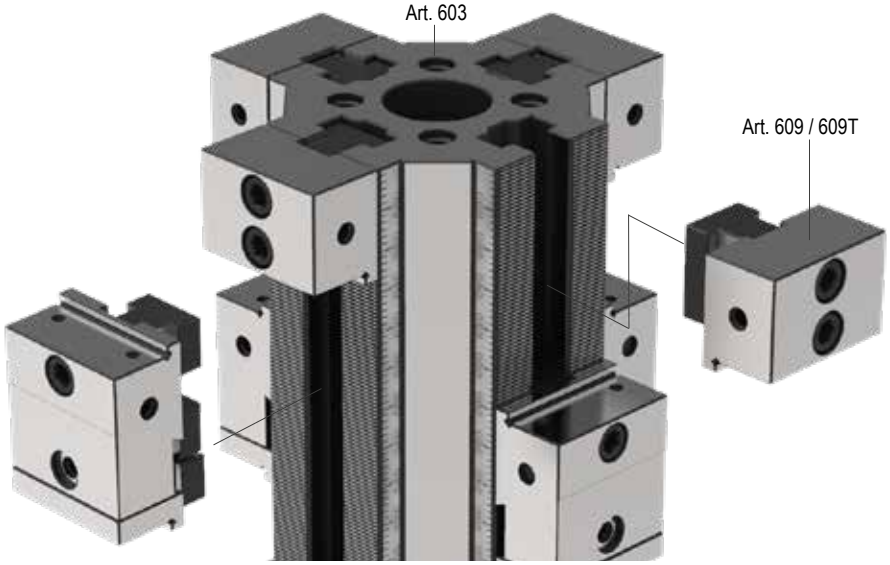
Cod.	6.60.9T200	6.60.9T300

Art. 609

Ganascia fissa e mobile con gradino
Fixed and moving jaw with step

Art. 609T

Ganascia fissa e mobile con piastra ganascia **GRIP a forte serraggio**
Fixed and moving jaw with **GRIP** jaw-plates **for strongest clamping**



Art.	Pag.
603	6.31
608	6.32
609	6.33

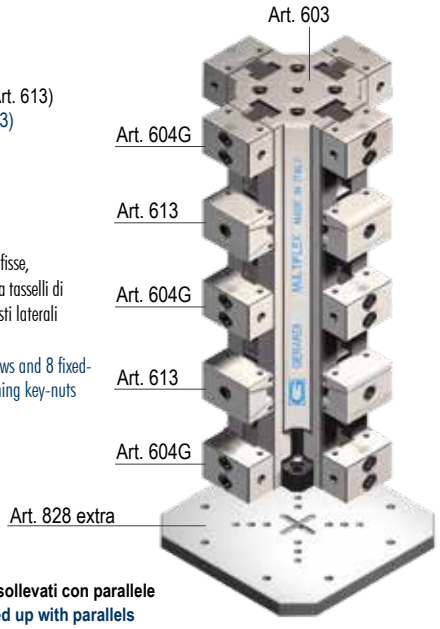
Tipo (grandezza) morsa / Vise type (size)	kN	1				
		20 kN				
A		4 x 21mm	4 x 46	4 x 71	4 x 94	4 x 121
B				25		
C $^{-0}_{-0,02}$				100		
D		300	400	500	600	700
G $^{-0}_{-0,02}$				50		
J				38		
J1				44 / 50		
H				66		
Ø I^{H7}				50		
L				20		
M				14		
W				49		
kg		24,2	29,3	34,4	39,5	44,5
Cod.		6.61.21300	6.61.21400	6.61.21500	6.61.21600	6.61.21700

Art. 612

Cubo-morsa con ganasce doppie (Art. 613)
Vise-tower with double jaws (Art. 613)

Ogni cubo-morsa è completo di 12 ganasce fisse, 8 ganasce fisse mobili, 1 chiave a T, 1 coppia tasselli di posizionamento per cava da16mm e 16 arresti laterali

Each vise-tower is supplied with 12 fixed jaws and 8 fixed-movable jaws 1 T wrench, 1 pair of positioning key-nuts for 16 mm slot Art. 297 and 16 workstops

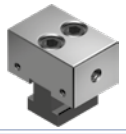


Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 604G*

Ganascia fissa liscia da entrambi i lati
Fixed smooth jawsboth sides



Cod.	6.60.4G100

* Arresto laterale a richiesta Workstop on request

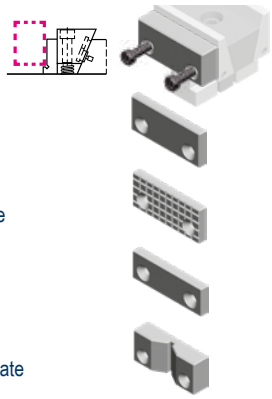
Art. 610B *
Piastra ganascia lavorabile / Soft jaw plate

Art. 610C *
Piastra ganascia liscia / Smooth jaw plate

Art. 610D *
Piastra ganascia zigrinata / Serrated jaw plate

Art. 610E *
Piastra ganascia parallela / Parallel jaw plate

Art. 610F *
Piastra ganascia prismatica / Prismatic jaw plate

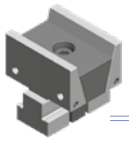


Cod. Art. 610B	6.61.0B100
Cod. Art. 610C	6.61.0C100
Cod. Art. 610D	6.61.0D100
Cod. Art. 610E	6.61.0E100
Cod. Art. 610F	6.61.0F100

* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36

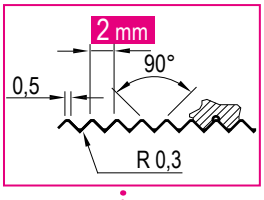
Art. 613

Ganascia mobile doppia di spinta
Double clamping movable jaws

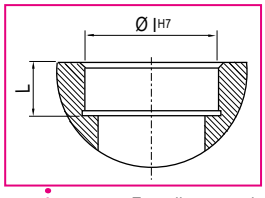


Cod.	6.61.31000

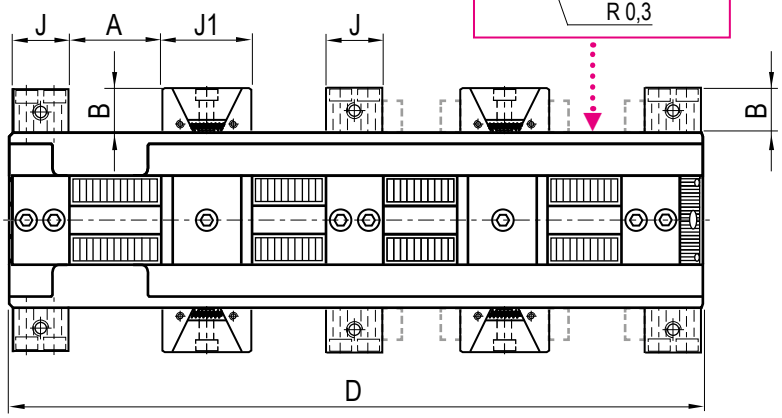
Art. 612

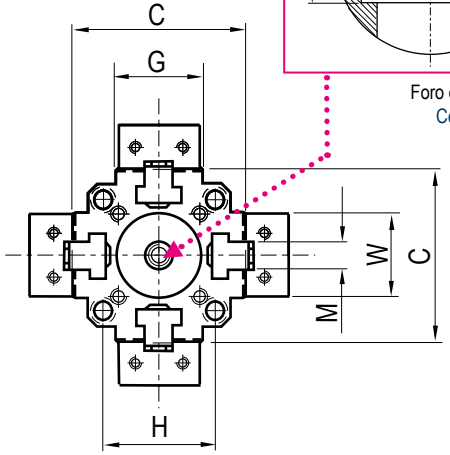


2 mm = Passo delle righe
Rows pitch



Foro di centraggio
Centering hole





	2 30 kN								3 40 kN			
A	4 x 34mm	4 x 59	4 x 84	4 x 84	4 x 109	4 x 109	4 x 109	4 x 134	4 x 77	4 x 102	4 x 127	4 x 152
B	40			40	40	40			60			
C $^{-0}_{-0,02}$	150			230	150	210	240		240			
D	400	500	600	600	700	700	700	800	700	800	900	1000
G $^{-0}_{-0,02}$	75			75	75	75			100			
J	50			50	50	50			70			
J1	52 / 58			52 / 58	52 / 58	52 / 58			84 / 90			
H	100			-	100	-	-	-	150 / 200			
Ø I^{H7}	50			50	50	50			50			
L	20			20	20	20			20			
M	22			22	22	22			30			
W	74			74	74	74			99			
kg	72,4	83,6	94,8	137	106	142,6	170	190	244	268	291	315
Cod.	6.61.22400	6.61.22500	6.61.22600	6.61.22601	6.61.22700	6.61.22701	6.61.22702	6.61.22800	6.61.23700	6.61.23800	6.61.23900	6.61.23100

I prezzi su fondo magenta sono **comprensivi di base integrale** / Prices on the magenta background **include the solid head plate** with the vise-tower

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

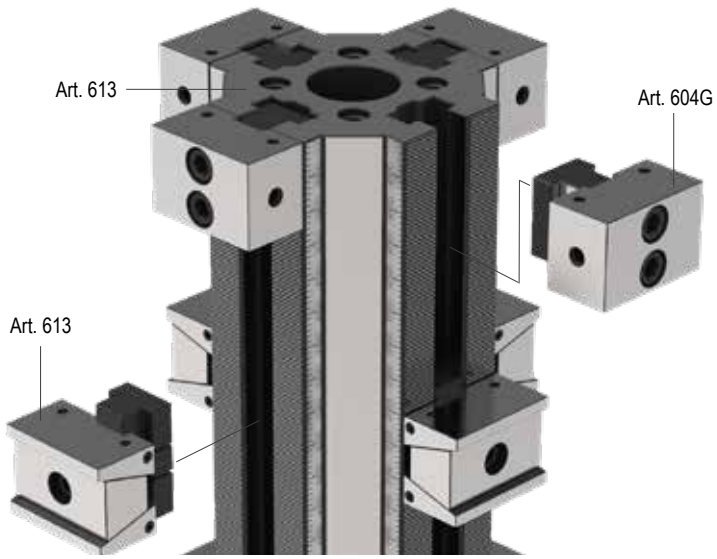
Cod.	6.60.4G200	6.60.4G300
Cod. Art. 610B	6.61.0B200	6.61.0B300
Cod. Art. 610C	6.61.0C200	6.61.0C300
Cod. Art. 610D	6.61.0D200	6.61.0D300
Cod. Art. 610E	6.61.0E200	6.61.0E300
Cod. Art. 610F	6.61.0F200	6.61.0F300

* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36

Cod.	6.61.32000	6.61.33000

Art. 613

Ganascia mobile doppia di spinta
Double clamping movable jaws



Art.	Pag.
603	6.31
604G	6.32
613	6.34

Art. 601

Corpo base morsa
Vise base body

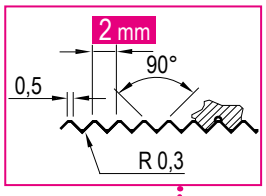


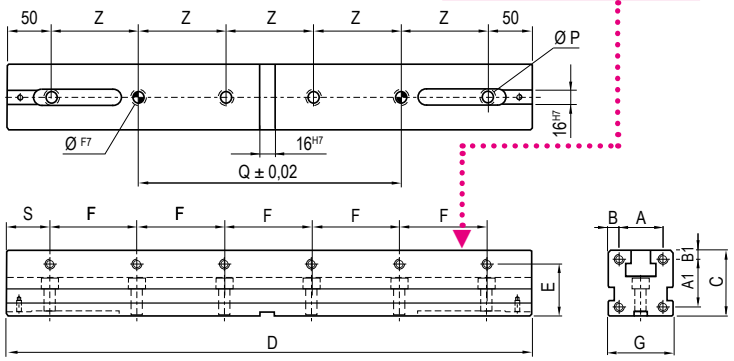
Tipo (grandezza) / Type (size)	1					2						3			
A	34					50						70			
A1	34					54						70			
B	8					12,5						15			
B1	8					10,5						15			
C $^{-0}_{-0,02}$	50					75						100			
D	300	400	500	600	700	400	500	600	700	800	900	700	800	900	1000
E	37,5					55						75			
F	100					100						100			
G $^{-0}_{-0,02}$	50					75						100			
Ø P	9					13						17			
Q	100	100	200	300	400	300	200	300	400	500	400	400	500	400	500
S	50					50						50			
Ø ^{F7}	10					16						16			
Z	100					100						100			
kg	4,4	5,9	7,3	8,8	10,2	13,9	17,4	20,9	24,4	27,9	31,4	42,5	48	55	60,7
Cod.	6.60.11300	6.60.11400	6.60.11500	6.60.11600	6.60.11700	6.60.12400	6.60.12500	6.60.12600	6.60.12700	6.60.12800	6.60.12900	6.60.13700	6.60.13800	6.60.13900	6.60.13100

Art. 601

Corpo base morsa
Vise base body

2 mm = Passo delle righe
Rows pitch



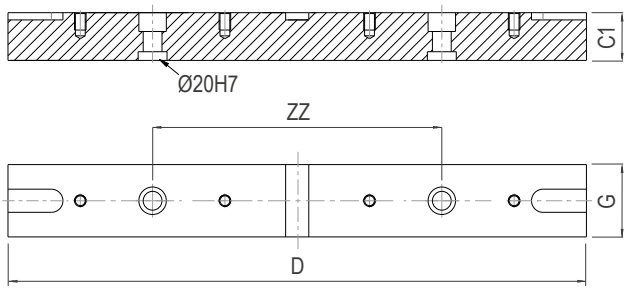


Ø = Sede viti calibrate / Hole for shoulder screw

Art. 62

MULTIFLEX

Piastra di interfaccia Zero Point per morse senza alcuna dotazione.
Zero Point vise base connecting plate supplied without any accessory.

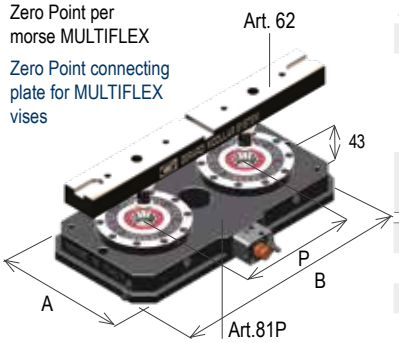


Tipo (grandezza) / Type (size)	1					2						3			
D	300	400	500	600	700	400	500	600	700	800	900	700	800	900	1000
G	50					75						100			
C1	28					33						33			
N	3	4	5	6	7	4	5	6	7	8	9	7	8	9	100
ZZ $^{+0,02}_{-0,02}$	200	200	250	200x2		200	250	200x2		300x2		200x2	300x2		400x2
kg	3,1	4,2	5,3	6,4	7,4	7,5	9,5	11,4	13,2	15,2	17,2	17,8	20,4	23	25,5
Cod.	6.62.13000	6.62.14000	6.62.15000	6.62.16000	6.62.17000	6.62.24000	6.62.25000	6.62.26000	6.62.27000	6.62.28000	6.62.29000	6.62.37000	6.62.38000	6.62.39000	6.62.31000
A	200		200	200		200	200	200		200		200	200		200
B	400		500	600		400	500	600		800		600	800		1000
	Art.665 Tipo / Type2														
P	200		250	200X2		200	250	200X2		300X2		200x2	300X2		400x2
kg	29		35	42		29	35	42		59		42	59		71,5
Cod.	9.81.P2040S2		9.81.P2050S2	9.81.P2060S3		9.81.P2040S2	9.81.P2050S2	9.81.P2080S3		9.81.P2208OS3		9.81.P2060S3	9.81.P2080S3		9.81.P20100S3

Art. 62

MULTIFLEX

Piastra di interfaccia Zero Point per morse MULTIFLEX
Zero Point connecting plate for MULTIFLEX vises



Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

Art.81P

NEW 2021

Piastra Zero Point in acciaio con montaggio incassato
Zero Point steel plate built-in mounting

Art. 603

Corpo base cubo
Cube base body

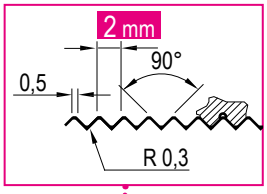
Tipo (grandezza) / Type (size)	1					2								3			
C $^{-0}_{-0,02}$	100					150			230	150	210	240		240			
D	300	400	500	600	700	400	500	600	600	700	700	700	800	700	800	900	1000
G $^{-0}_{-0,02}$	50					75			75	75	75			100			
Ø I ^{H7}	25					50			50	50	50			50			
L $^{-0}_{-0,02}$	20					20			20	20	20			20			
kg	15,4	20,5	25,6	30,7	35,8	44,8	56	67,2	110	78,4	115	143	163	164	188	211	235
Cod.	6.60.31300	6.60.31400	6.60.31500	6.60.31600	6.60.31700	6.60.32400	6.60.32500	6.60.32600	6.60.32601	6.60.32700	6.60.32701	6.60.32702	6.60.32800	6.60.33700	6.60.33800	6.60.33900	6.60.33100

I prezzi su fondo magenta sono **comprensivi di base integrale**
Prices on the magenta background **include the solid head plate** with the vise-tower

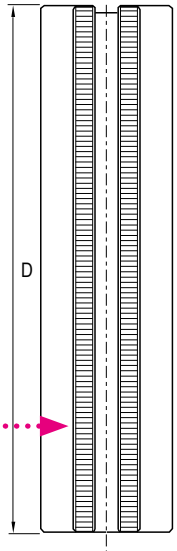
Art. 603

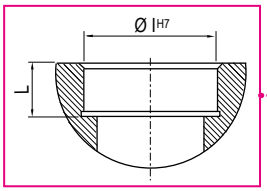
Corpo cubo semplice
Simple cube body



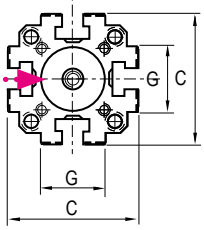


2 mm =
Passo delle righe
Rows pitch



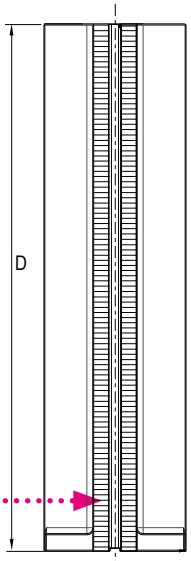


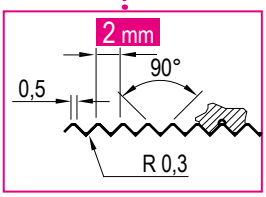
Foro di centraggio
Centering hole



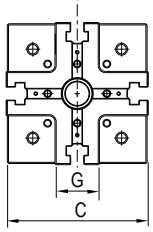
Art. 603

Corpo cubo con base integrale
Cube body with integral base





2 mm = Passo delle righe
Rows pitch

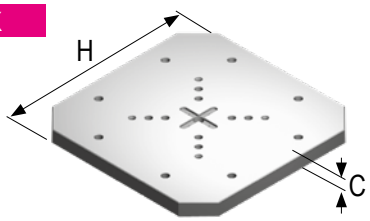


Art. 828A

MULTIFLEX

Piastra base per cubo-morsa personalizzata (Bussola di centraggio Art. 852 compresa)

Head plate for vise-tower tailor made (Centering bushing Art. 852 included)

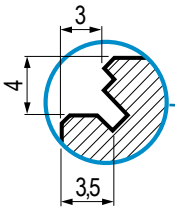


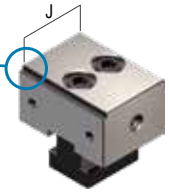
	1	2	3	4	5	6	7
C	33	33	38	38	38	38	38
H	300	350	400	450	500	630	800
kg	22	30	44,5	56,5	71	113	182
Cod.	6.82.8A100	6.82.8A200	6.82.8A300	6.82.8A400	6.82.8A500	6.82.8A600	6.82.8A700

Tipo (grandezza) / Type (size)		**1**	**2**	**3**
Art. 604*	kg	0,4	1,35	3,84
Ganascia fissa (**1 lato liscia, 1 lato zigrinata**) per morsa **Art. 600 e 602** Fixed jaw (**1 side smooth, 1 side serrated**) for vise **Art. 600** and 602	Cod.	6.60.41000	6.60.42000	6.60.43000
	* Arresto laterale a richiesta Workstop on request			
Art. 604G*	kg	0,5	1,40	3,90
Ganascia fissa **liscia da entrambi i lati**, per morsa **Art. 611** e cubi **Art. 612** Fixed **smooth** jaw **both sides**, for vise **Art. 611** and cubes **Art. 612**	Cod.	6.60.4G100	6.60.4G200	6.60.4G300
	* Arresto laterale a richiesta Workstop on request			
Art. 604T*	J	38	50	70
Ganascia fissa **GRIP** per morsa **Art. 606T** Fixed **GRIP** jaw for vise **Art. 606T**	Cod.	6.60.4T100	6.60.4T200	6.60.4T300
	* Arresto laterale a richiesta Workstop on request			
Art. 608*	J	38	50	70
Ganascia fissa con **gradino** per morsa **Art. 606** Fixed **step** jaw for vise **Art. 606**	kg	0.45	1.4	4
	Cod.	6.60.81000	6.60.82000	6.60.83000
	* Arresto laterale a richiesta Workstop on request			
Art. 614T*	Cod.	6.61.4T100	6.61.4T200	6.61.4T300
Ganascia fissa con **doppio gradino** Fixed jaw with **double step**	* Arresto laterale a richiesta Workstop on request			





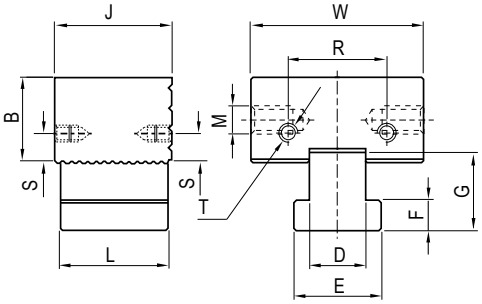






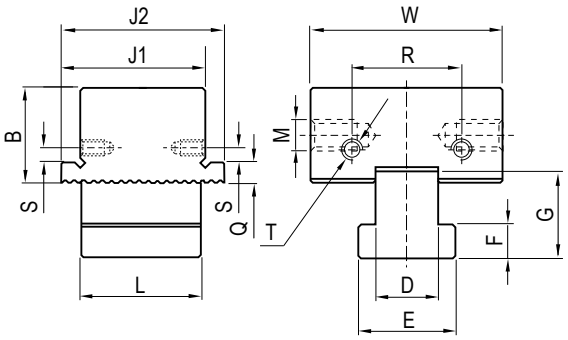


Art. 604



Art. 608

Art. 614T



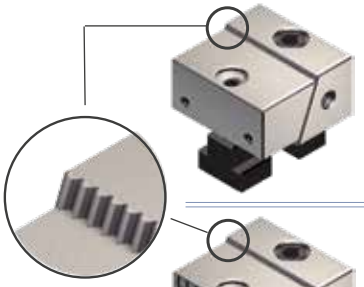
Art.	1	2	3
W	49	74	99
B	25	40	60
D	14	22	30
E	22	35	48
F	8	14	21
G	21	33	46
J	38	50	70
J1	43	55	75
J2	48	60	80
L	30	45	60
M	M10	M10	M10
Q	5	8	10
R	30	50	50
S	7	10	10
T	M5	M6	M6

Tipo (grandezza) / Type (size)	1	2	3

Art. 605*

Ganascia fissa e mobile **liscia** per morsa **Art. 600**
Fixed and movable **smooth** jaw fo vise **Art. 600**

Ganascia discendente guidata / **Sistema a pettine** (Particolare)
Guided pull down jaw / **Comb system** (Detail)

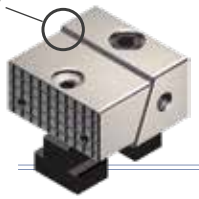


	1	2	3
kg	0.6	1.8	4.7
Cod.	6.60.51000	6.60.52000	6.60.53000

* Arresto laterale a richiesta Workstop on request

Art. 605S*

Ganascia fissa e mobile **zigrinata** per morsa **Art. 600**
Fixed and movable **serrated** jaw **Art. 600**



	1	2	3
kg	0.6	1.8	4.7
Cod.	6.60.5S100	6.60.5S200	6.60.5S300

* Arresto laterale a richiesta Workstop on request

Art. 605W*

Ganascia fissa **zigrinata** e mobile **liscia** per morsa **Art. 600**
Serrated fixed jaw and movable **smooth** for vise **Art. 600**

	1	2	3
Cod.	6.60.5W100	6.60.5W200	6.60.5W300

* Arresto laterale a richiesta Workstop on request

Art. 609*

Ganascia fissa e mobile con **gradino** per morsa **Art. 606**
Fixed and moving jaw with **step** for vise **Art. 606**

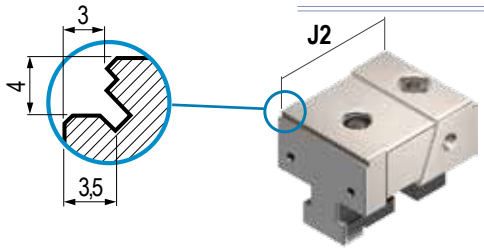


	1	2	3
kg	0.8	2.2	5.5
Cod.	6.60.91000	6.60.92000	6.60.93000

* Arresto laterale a richiesta Workstop on request

Art. 609T*

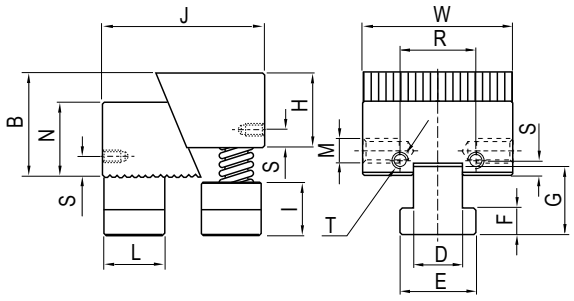
Ganascia fissa e mobile **GRIP** per morsa **Art. 606T**
Fixed and moving **GRIP** jaw for vise **Art. 606T**



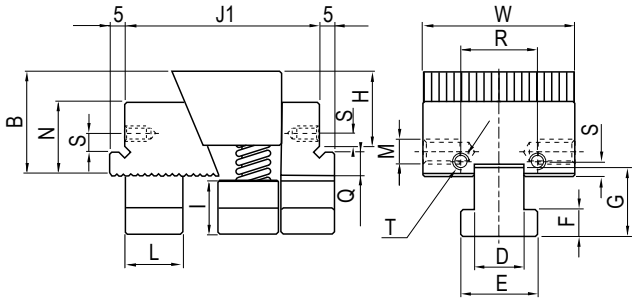
	1	2	3
Cod.	6.60.9T100	6.60.9T200	6.60.9T300

* Arresto laterale a richiesta Workstop on request

Art. 605 **Art. 605S** **Art. 605W**



Art. 609 **Art. 609T**



Art.	1	2	3
W	49	74	99
B	35 / 25	40	60
D	14	22	30
E	22	35	48
F	8	14	21
G	25	33	46
H	25	34	50
I	18	26	42
J	54 / 58	70 / 75	94,5 / 98,5
J1	63,5 / 67,5	85 / 88	114,5 / 119
J2	70 / 74	87 / 90	120,5 / 115,5
L	22	26	35
M	M10	M10	M10
N	25	40	60
Q	5	8	10
R	30	50	50
S	7	10	10
T	M5	M6	M6

Tipo (grandezza) / Type (size)	1	2	3
kg	0.5	1.4	4.3
Cod.	6.61.31000	6.61.32000	6.61.33000

Art. 613

Ganascia mobile di spinta doppia per morsa **Art. 611**
Double clamping movable jaws for vise **Art. 611**



Art. 615*

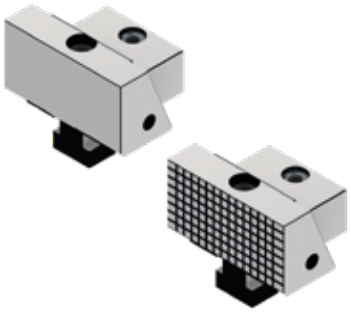
Ganascia di posizionamento liscia maggiorata
e cuneo mobile liscio
Bigger positioning smooth jaw with movable smooth wedge
(Increased with respect to standard dimensions)

Art. 615S

Ganascia di posizionamento zigrinata maggiorata
e cuneo mobile zigrinato
Bigger positioning serrated jaw with movable serrated wedge
(Increased with respect to standard dimensions)

Art. 615W*

Ganascia di posizionamento zigrinata maggiorata
e cuneo mobile liscio
Bigger positioning serrated jaw with movable smooth wedge
(Increased with respect to standard dimensions)

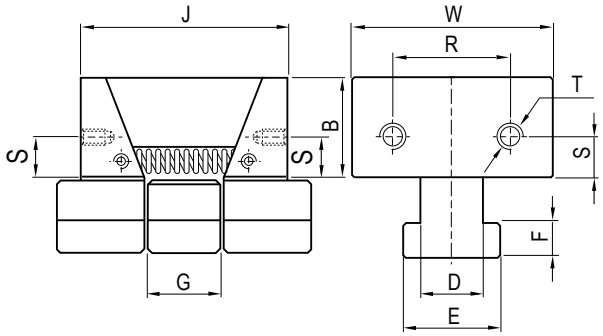


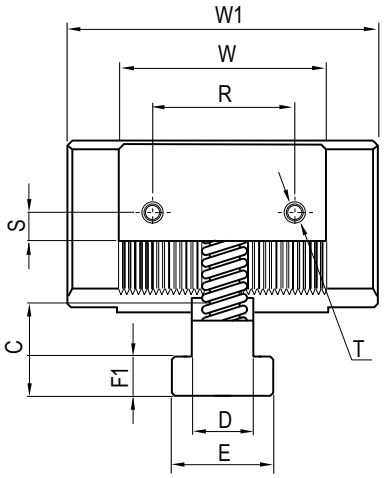
NEW

Cod.Art.615	6.61.51000	6.61.52000	6.61.53000
Cod.Art.615S	6.61.5S100	6.61.5S200	6.61.5S300
Cod.Art.615W	6.61.5W100	6.61.5W200	6.61.5W300

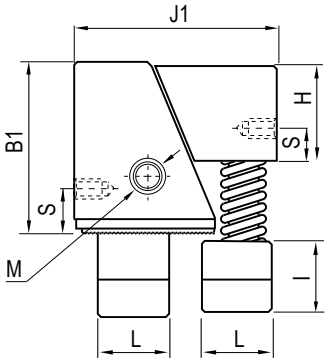
* Arresto laterale a richiesta Workstop on request

Art. 613

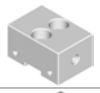
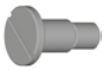


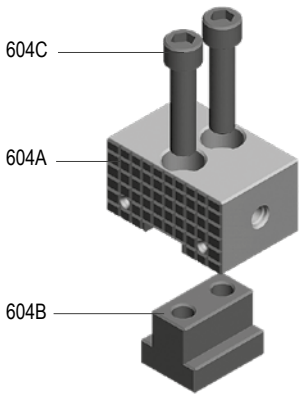


Art. 615



Art.	1	2	3
W	49	74	99
W1	64	110	150
B	25	40	60
B1	45	60	75
C	21	33	46
D	14	22	30
E	22	35	48
F	9	15	21
F1	8	14	21
G	13	15	25
H	25	34	50
I	18	26	40
J	44 / 50	52 / 58	84 / 90
J1	54 / 58	73 / 79	94.5 / 98.5
L	22	25	35
M	M10	M10	M10
N	45	60	75
R	30	50	50
S	7	10	10
T	M5	M6	M6

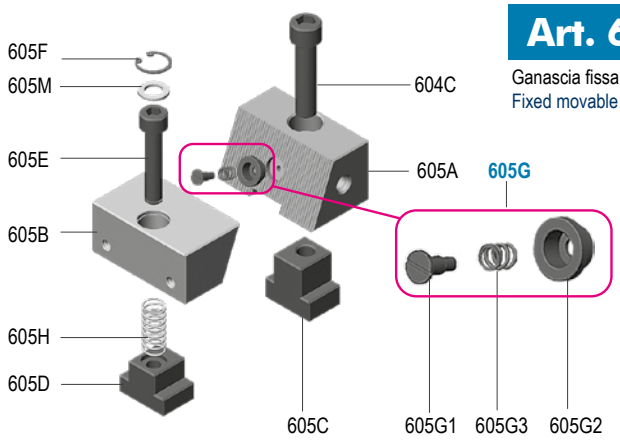
Tipo (grandezza) / Type (size)		1	2	3
Art. 604 Ganascia fissa (1 lato liscia, 1 lato zigrinata) / Fixed jaw (1 side smooth, 1 side serrated)		Cod. 6.60.41000	6.60.42000	6.60.43000
Art. 604A Ganascia fissa (un lato liscio e uno zigrinato) Fixed jaw (1 side smooth, 1 side serrated)		Cod. 6.60.4A100	6.60.4A200	6.60.4A300
Art. 604B Dado a "**T**" per ganascia fissa / "**T**" nut for fixed jaw		Cod. 6.60.4B100	6.60.4B200	6.60.4B300
Art. 604C Vite TCEI fissaggio ganascia fissa / Hex socket head screw for fixed jaw		Cod. 6.60.4C100	6.60.4C200	6.60.4C300
Art. 605A Cuneo di posizionamento / Positioning wedge		Cod. 6.60.5A100	6.60.5A200	6.60.5A300
Art. 605AS Cuneo di posizionamento zigrinato / Serrated positioning wedge		Cod. 6.60.5AS10	6.60.5AS20	6.60.5AS30
Art. 605B Cuneo di spinta / Clamping wedge		Cod. 6.60.5B100	6.60.5B200	6.60.5B300
Art. 605BS Cuneo di spinta zigrinato / Serrated clamping wedge		Cod. 6.60.5BS10	6.60.5BS20	6.60.5BS30
Art. 605C Dado a "**T**" per cuneo di posizionamento / "**T**" nut for positioning wedge		Cod. 6.60.5C100	6.60.5C200	6.60.5C300
Art. 605D Dado a "**T**" per cuneo di spinta / "**T**" nut for clamping wedge		Cod. 6.60.5D100	6.60.5D200	6.60.5D300
Art. 605E Vite TCEI / TCEI screw		Cod. 6.60.5E100	6.60.5E200	6.60.5E300
Art. 605F Anello elastico / Seeger		Cod. 6.60.5F100	6.60.5F200	6.60.5F300
Art. 605G1 Vite a gradino / Step screw		Cod.	6.60.5G101	6.60.5G103
Art. 605G2 Perno a molla / Spring pin		Cod. 6.60.5G201	6.60.5G202	6.60.5G203
Art. 605G3 Molla / Spring		Cod.	6.60.5G301	6.60.5G303
Art. 605H Molla / Spring		Cod. 6.60.5H100	6.60.5H200	6.60.5H300
Art. 605I Cuneo a spinta dolce / Soft clamping wedge		Cod. 6.60.5I100	6.60.5I200	6.60.5I300
Art. 605L Cuneo di spinta a "**V**" / "**V**" clamping wedge		Cod. 6.60.5L100	6.60.5L200	6.60.5L300
Art. 605M Rondella / Washer		Cod. 6.60.5M100	6.60.5M200	6.60.5M300



Art. 604

Ganascia fissa
(1 lato liscia, 1 lato zigrinata)
per morsa **Art. 600 e 602**

Fixed jaw
(1 side smooth, 1 side serrated)
for vise **Art. 600** and **602**

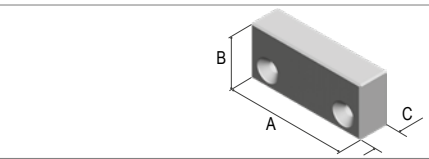


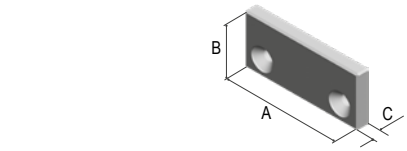
Art. 605

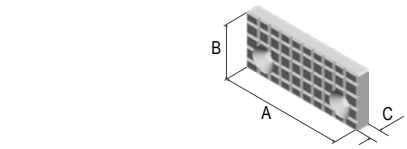
Ganascia fissa mobile
Fixed movable jaw

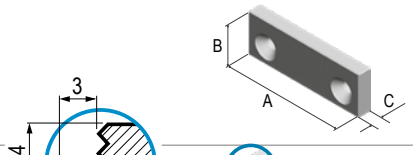
6

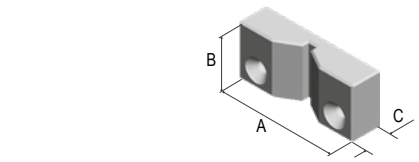
Tipo (grandezza) / Type (size)		1	2	3
Art. 605B Cuneo di spinta / Clamping wedge	Cod. Art. 605B	6.60.5B100	6.60.5B200	6.60.5B300
Art. 605BT Cuneo di spinta per piastra **GRIP** / Clamping wedge for **GRIP** plate	Cod. Art. 605BT	6.60.5BT10	6.60.5BT20	6.60.5BT30
Art. 609A Cuneo di posizionamento con gradino / Positioning wedge with step	Cod. Art. 609A	6.60.9A100	6.60.9A200	6.60.9A300
Art. 609AT Cuneo di posizionamento **GRIP** / Positioning **GRIP** wedge	Cod. Art. 609AT	6.60.9AT10	6.60.9AT20	6.60.9AT30
Art. 609B Ganascia mobile guidata con gradino / Movable guided jaw with step	Cod. Art. 609B	6.60.9B100	6.60.9B200	6.60.9B300
Art. 609BT Ganascia mobile guidata **GRIP** / Movable guided **GRIP** jaw	Cod. Art. 609BT	6.60.9BT10	6.60.9BT20	6.60.9BT30
Art. 610B Piastra ganascia dolce / Soft jaw plate	A	48	73	98
	B	20	32	50
	C	12	18	30
	Cod.	6.61.0B100	6.61.0B200	6.61.0B300
Art. 610C Piastra ganascia liscia / Smooth jaw plate	A	48	73	98
	B	20	32	50
	C	6	10	10
	Cod.	6.61.0C100	6.61.0C200	6.61.0C300
Art. 610D Piastra ganascia zigrinata / Serrated jaw plate	A	48	73	98
	B	20	32	50
	C	6	10	10
	Cod.	6.61.0D100	6.61.0D200	6.61.0D300
Art. 610E Piastra ganascia parallela / Parallel jaw plate	A	48	73	98
	B	15	27	45
	C	6	10	10
	Cod.	6.61.0E100	6.61.0E200	6.61.0E300
Art. 610T Piastra ganacia **GRIP** a forte serraggio / **GRIP** jaw plate for strongest clamping	A	48	73	98
	B	20	32	50
	C	8	10	10
	Cod.	6.61.0T100	6.61.0T200	6.61.0T300
Art. 610F Piastra ganascia prismatica / Prismatic jaw plate	Ø	5 ÷ 35	9 ÷ 50	20 ÷ 80
	A	48	73	98
	B	20	32	50
	C	12	18	30
	Cod.	6.61.0F100	6.61.0F200	6.61.0F300
Art. 610Z Vite per piastre ganasce / Screw for jaw plates	Cod.	6.61.0Z100	6.61.0Z200	6.61.0Z300







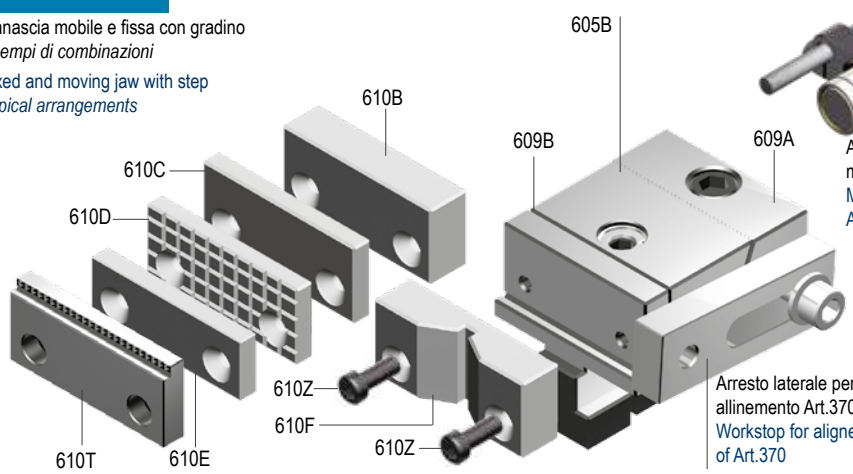






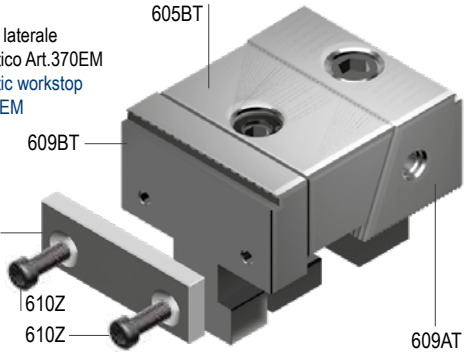
Art. 609

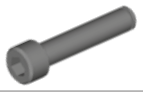
Ganascia mobile e fissa con gradino
Esempi di combinazioni
Fixed and moving jaw with step
Typical arrangements



Art. 609T

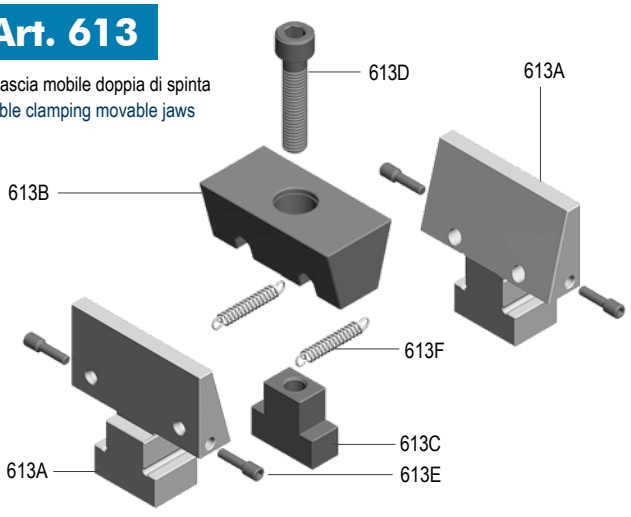
Ganascia fissa e mobile **GRIP**
Fixed and movable **GRIP** jaw



Tipo (grandezza) / Type (size)		1	2	3
Art. 608A Ganascia fissa con gradino Fixed jaw with step		Cod. 6.60.8A100	6.60.8A200	6.60.8A300
Art. 613A Ganascia mobile Movable jaw		Cod. 6.61.3A100	6.61.3A200	6.61.3A300
Art. 613B Cuneo di spinta Clamping wedge		Cod. 6.61.3B100	6.61.3B200	6.61.3B300
Art. 613C Dado a **"T"** **"T"** nut		Cod. 6.61.3C100	6.61.3C200	6.61.3C300
Art. 613D Vite TCEI Hex socket head screw		Cod. 6.61.3D100	6.61.3D200	6.61.3D300
Art. 613E Grano Set screw		Cod. 6.61.3E100	6.61.3E200	6.61.3E300
Art. 613F Molla Spring		Cod. 6.61.3F100	6.61.3F200	6.61.3F300
Art. 615A Cuneo di posizionamento liscio maggiorato Positioning wedge smooth (increased with respect to stand dimension)		Cod. 6.61.5A100	6.61.5A200	6.61.5A300
Art. 615AS Cuneo di posizionamento zigrinato maggiorato Positioning wedge serrated (increased with respect to stand dimension)		Cod. 6.61.5AS10	6.61.5AS20	6.61.5AS30
Art. 615I Cuneo di posizionamento dolce maggiorato Positioning wedge soft (increased with respect to stand dimension)		Cod. 6.61.5I100	6.61.5I200	6.61.5I300
Art. 615L Cuneo di posizionamento a gradino maggiorato Positioning wedge with stop (increased with respect to stand dimension)		Cod. 6.61.5L100	6.61.5L200	6.61.5L300
Art. 615C Vite TCEI fissaggio ganascia fissa Hex socked head screw for fixed jaw		Cod. 6.61.5C100	6.61.5C200	6.61.5C300
Art. 615E Vite TCEI TCEI screw		Cod. 6.61.5E100	6.61.5E200	6.61.5E300

Art. 613

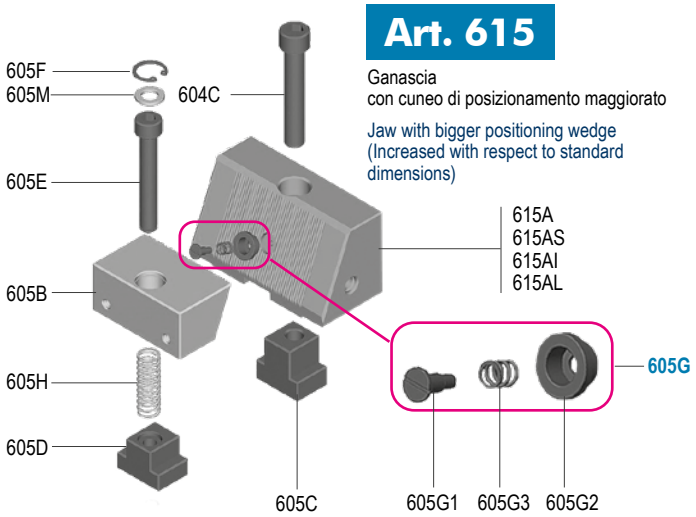
Ganascia mobile doppia di spinta
Double clamping movable jaws



Art. 615

Ganascia
con cuneo di posizionamento maggiorato

Jaw with bigger positioning wedge
(Increased with respect to standard dimensions)

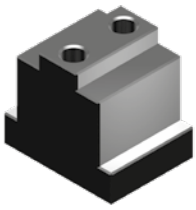


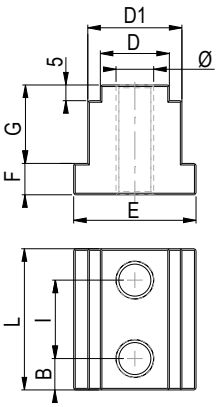
6

DADI A "T" PER TRASFORMAZIONI
"T" NUTS FOR TRANSFORMATIONS

Art. 604B

Dado a "T" per ganascia fissa
"T" nut for fixed jaw

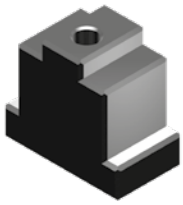


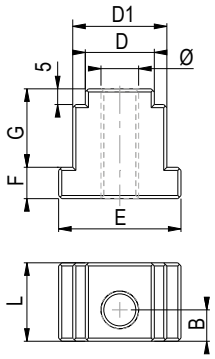


Tipo (grandezza) / Type (size)	Base / Base Ganascia / Jaw	Tipo - Type 2 Tipo - Type 1	Tipo - Type 3 Tipo - Type 1	Tipo - Type 3 Tipo - Type 2
B		6	6	10
D		14	14	22
D1		22	30	30
E		34	39	39
F		14	14	14
G		19	25	25
I		18	18	25
L		30	30	45
Ø		M8	M8	M12
Cod		6.60.4B100/2	6.60.4B100/3	6.60.4B200/3

Art. 605C

Dado a "T" per cuneo di posizionamento
"T" nut for positioning wedge

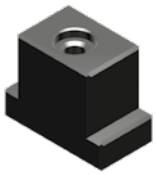


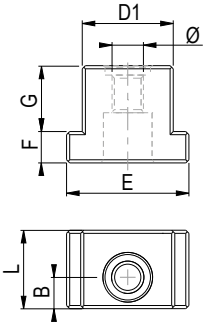


Tipo (grandezza) / Type (size)	Base / Base Ganascia / Jaw	Tipo - Type 2 Tipo - Type 1	Tipo - Type 3 Tipo - Type 1	Tipo - Type 3 Tipo - Type 2
B		9	9	10
D		14	14	22
D1		22	30	30
E		34	39	39
F		14	14	14
G		19	25	25
I		-	-	-
L		22	22	25
Ø		M8	M8	M12
Cod		6.60.5C100/2	6.60.5C100/3	6.60.5C200/3

Art. 605D

Dado a "T" per cuneo di spinta
"T" nut for clamping wedge

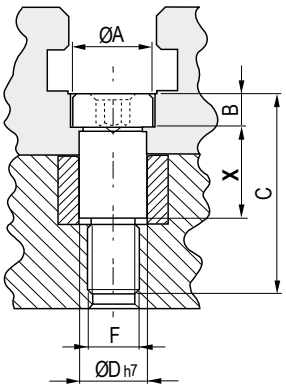




Tipo (grandezza) / Type (size)	Base / Base Ganascia / Jaw	Tipo - Type 2 Tipo - Type 1	Tipo - Type 3 Tipo - Type 1	Tipo - Type 3 Tipo - Type 2
B		9	9	10
D		-	-	-
D1		21	29	29
E		34	39	39
F		14	14	14
G		15	21	21
I		-	-	-
L		21	21	25
Ø		M8	M8	M10
Cod		6.60.5D100/2	6.60.5D100/3	6.60.5D200/3

Art. 81

Vite calibrata a colletto
per morse Multiflex
Shoulder calibrated screw
for Multiflex vises



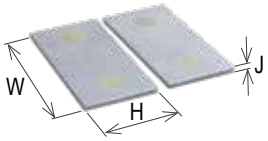
Tipo (grandezza) / Type (size)	1	2	3
	LUNGHEZZA VITI CALIBRATE A COLLETTO PER SOLUZIONI A RETICOLO SHOULDER CALIBRATED SCREW LENGHTS FOR GRID SOLUTIONS		
ØA	13	20	24
B	8	8	12
C	46	65	80
ØD	10	16	16
F	M8	M12	M12
X	25	40	50
Cod	6.81.11025	6.81.21640	6.81.21650

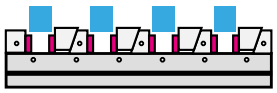
N.B: Per avere altre lunghezze consultare Pag.11.15 - For other lenghts see Page.11.15

Tipo (grandezza) / Type (size)	1	2	3

Art. 616

Coppia di piastre parallele magnetiche piane
Pair of straight parallels magnetic plates

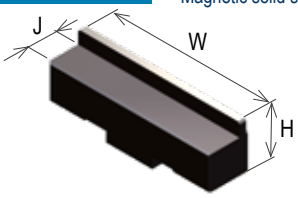


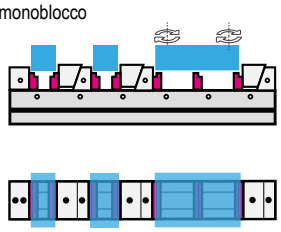


	1	2	3
J	2,7	2,7	2,7
W	49	74	99
H	20	35	55
Cod.	6.61.6100C	6.61.6200C	6.61.6300C

Art. 617

Piastra magnetica a gradino monoblocco
Magnetic solid step jaw plate

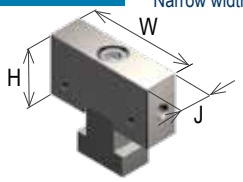


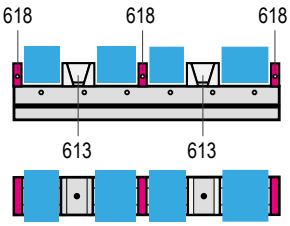


	1	2	3
J	12	17	22
W	49	74	99
H	20	35	55
Cod.	6.61.71020	6.61.72035	6.61.73055

Art. 618

Ganascia fissa ridotta
Narrow width fixed jaw

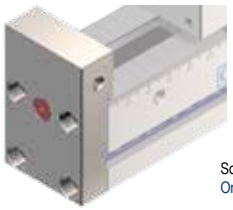




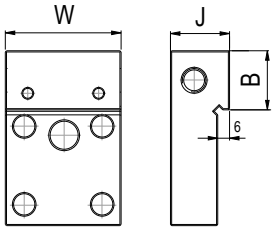
	1	2	3
J	18	22	29
W	49	74	99
H	25	40	60
Cod.	6.61.81000	6.61.82000	6.61.83000

Art. 604R

Ganascia fissa di partenza
Fixed start jaw



Solo per art.600 e 611
Only for art.600 and 611



PER UNA MAGGIORE APERTURA - FOR MORE OPENING CAPACITY

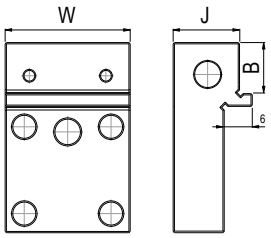
W	49	74	99
J	25	30	35
B	25	40	60
Cod	6.60.4R100	6.60.4R200	6.60.4R300

Art. 608R

Ganascia fissa di partenza con gradino
Fixed start jaw with step



Solo per art.606
Only for art.606

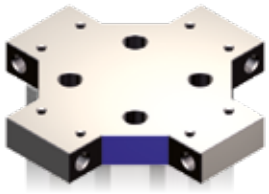


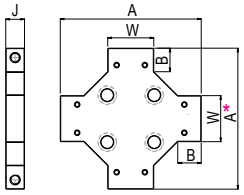
PER UNA MAGGIORE APERTURA - FOR MORE OPENING CAPACITY

W	49	74	99
J	26	36	41
B	25	40	60
Cod	6.60.8R100	6.60.8R200	6.60.8R300

Art. 604PC

Piastra ganascia fissa di partenza per cubo-morsa
Fixed start jaw plate for vise tower





*Scegliere la dimensione **A** in funzione del cubo utilizzato, vedi Art.603 a pag. 6.31
Referring to the cube you are using, choose dimension "A, see Art.603 page. 6.31

A	150	230	290	310	320	360
W	49	74				99
J	20	25				30
B	25	40				60
Cod	6.60.4PC10	6.60.4PC20				6.60.4PC30

Art. 79 R

Perno di allineamento regolabile per Multiflex montata su cubo portapezzi
Adjustable alignment pin for Multiflex vise mounted on tombstone



Cod.	6.79.R1000

Art. 297 R

Chiavetta di allineamento per Multiflex montata su cubo portapezzi
Alignment key-nut for Multiflex vise mounted on tombstone



Cod.	6.29.7R100

Art. 370EM

Arresto laterale magnetico
Magnetic workstop

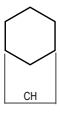


Cod.	7.37.02000/EM

Art. 376

Chiave a T
T wrench





CH	6	8	10	14	16
Cod.	0.09.23600	0.09.24800	0.09.25100	0.09.27140	0.09.28160

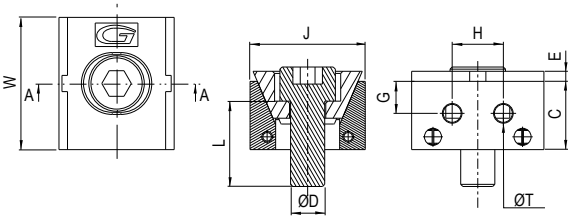
6

SERRAGGIO A CUNEO DISCENDENTE
JAWS WEDGE CLAMP

NEW 2021

Tipo (grandezza) / Type (size)	kN	1 15	2 30	3 60
Art.723A*	W	31	42	58
Ganascia liscia	C	16	23	30
con fori filettati	ØD	M8	M12	M16
Smooth jaw with holes	E	2	3,5	4
	G	7,5	11,5	15
	H	12	18	26
	J	27 ÷ 32	42 ÷ 49	57 ÷ 66
	L	20	30	35
	ØT	M5	M5	M5
	Cod.	6.72.3A100	6.72.3A200	6.72.3A300



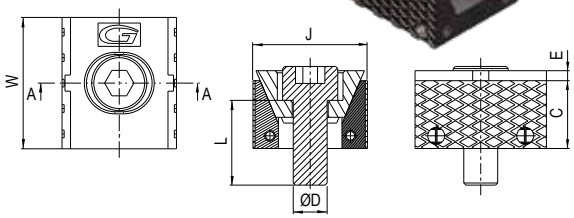


Acciaio Temprato - Hardened Steel

* Arresto laterale a richiesta Workstop on request

Tipo (grandezza) / Type (size)	kN	1 15	2 30	3 60
Art.723B*	W	31	42	58
Ganascia zigrinata	C	16	23	30
Serrated jaw	ØD	M8	M12	M16
	E	2	3,5	4
	J	27 ÷ 32	42 ÷ 49	57 ÷ 66
	L	20	30	35
	ØT			
	Cod.	6.72.3B100	6.72.3B200	6.72.3B300



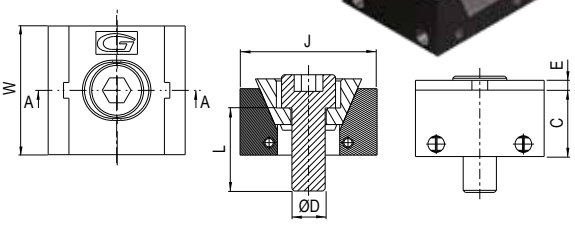


Acciaio Temprato - Hardened Steel

* Arresto laterale a richiesta Workstop on request

Tipo (grandezza) / Type (size)	kN	1 15	2 30	3 60
Art.723C*	W	31	42	58
Ganascia lavorabile	C	16	23	30
Machineable jaw	ØD	Ø56	Ø56	Ø76
	E	2	3,5	4
	J	33 ÷ 38	52 ÷ 59	67 ÷ 76
	L	20	30	35
	ØT			
	Cod.	6.72.3C100	6.72.3C200	6.72.3C300

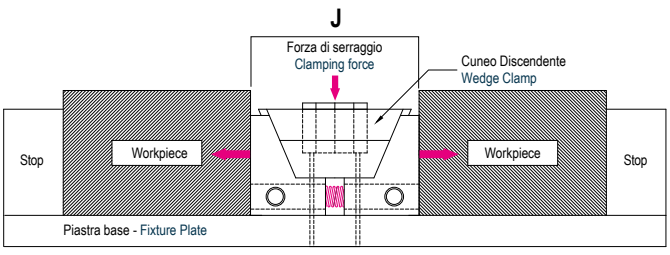




NON Temprato - NOT Hardened

* Arresto laterale a richiesta Workstop on request

Grazie alla vite di serrggio viene premuto il cuneo verso il basso generando un forza di serraggio laterale
Tightening of clamping screw presses the wedge to generate clamping force sideways



	J									
	min.	Valore consigliato Suggested value	max.	min.	Valore consigliato Suggested value	max.	min.	Valore consigliato Suggested value	max.
Art. 723 A/B	27	**29÷30**	32	42	**45÷46**	49	57	**61÷63**	66
Art. 723 C	33	**35÷36**	38	52	**55÷56**	59	67	**71÷73**	76

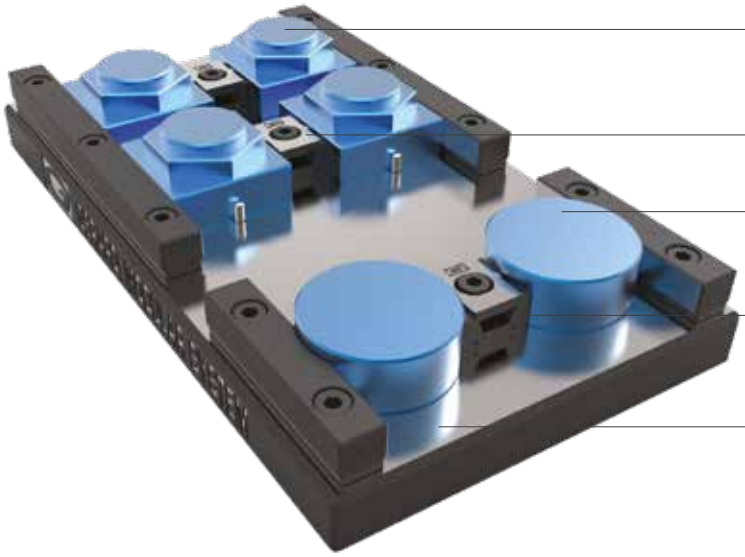
Il nuovo design migliorato e brevettato con molla inferiore assicura una maggiore forza di serraggio verso il basso.
Improved patented design with bottom spring ensures downart clamping force

SERRAGGIO A CUNEO DISCENDENTE
JAWS WEDGE CLAMP

NEW 2021

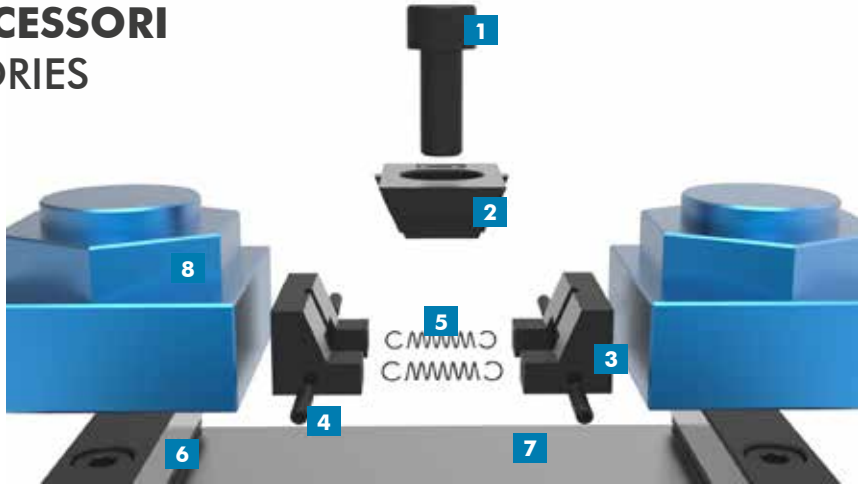
Se il tuo pezzo è adatto per il serraggio con i moduli di serraggio a cuneo discendente Gerardi, il nostro team è in grado di progettare e produrre un'attrezzatura di serraggio multiplo come quello mostrato in figura. Mandateci le vostre richieste con le specifiche del pezzo o della tavola macchina del vostro centro di lavoro per consentirci di verificare l'idoneità dei nostri moduli di serraggio a cuneo discendente e presentare un'offerta adatta a voi.

If your workpiece is suitable for clamping with Gerardi wedge clamps, our team can design and manufacture a multiple clamping fixture for you as the one shown in the picture. Please send us your enquiries with workpiece + machine table specifications of your machining center to enable us check suitability of our wedge clamps and submit an offer to you



PARTI DI RICAMBIO e ACCESSORI
SPARE PARTS and ACCESSORIES

1 **VITA TESTA ESAGONALE** HEXAGONAL HEAD SCREW
2 **CUNEO DI SPINTA** WEDGE CLAMP
3 **GANASCE MOBILI** MOVABLE JAW
4 **GRANI** GRAIN
5 **MOLLE** SPRINGS
6 **ARRESTI LATERALI** WORKSTOPS
7 **PIASTRA BASE** BASE PLATE
8 **PEZZI DA LAVORARE** WORKPIECES



ESEMPI APPLICATIVI
BESPOKEN APPLICATION'S EXAMPLES



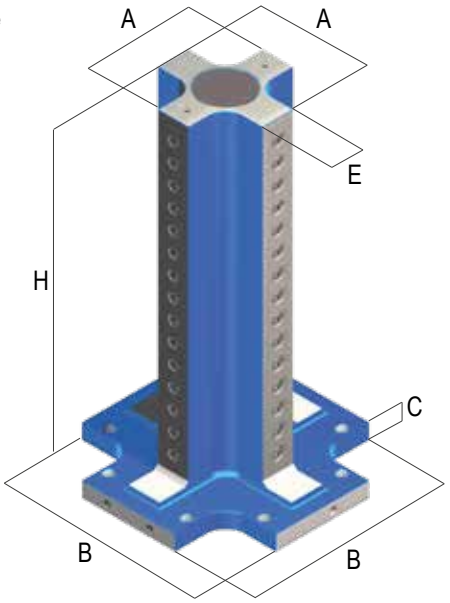
Sovratavola con sistema di serraggio a cunei discendenti per un serraggio di due pezzi contemporaneamente con un solo cuneo.
Il tutto è montato su piastra ZeroPoint.
Head plate interfaced for clamping system with descending wedges.
For clamping of two pieces simultaneously with only one wedge.
All the fixture is mounted on a Zero Point plate.



Sovratavola ZeroPoint con sistema di serraggio a cunei discendenti su file multiple.
Questo consente un serraggio di due pezzi contemporaneamente con un solo cuneo.
Il tutto èmontato su piastra ZeroPoint.
Head plate interfaced for clamping system with descending wedges on multiple rows.
For clamping of two pieces simultaneously with only one wedge.All the fixture is mounted on a Zero Point plate.

Art. 57F

Cubo a croce
Cross tower



Dimensioni - Dimensions A	B	C	E	H	kg	Art. 57F 40 Cod.	Art. 57F 50 Cod.
200	500	40	80	750	154	8.57.F40100	8.57.F00100
200	500	40	80	650	140	8.57.F40105	8.57.F00105
250	500	40	80	750	194	8.57.F40106	8.57.F00106
270	500	40	80	850	232	8.57.F40110	8.57.F00110
230	500	40	110	850	214	8.57.F40120	8.57.F00120
300	500	40	150	850	264	8.57.F40130	8.57.F00130
300	630	40	150	950	322	8.57.F40140	8.57.F00140
370	500	40	200	950	379	8.57.F40145	8.57.F00145
400	500	50	100	850	228	8.57.F.40150	8.57.F00150

Art. 57F 40

Croce a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox. Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12** / **M10**
- Interasse reticolo **50** mm = **Ø 16** / **M12**

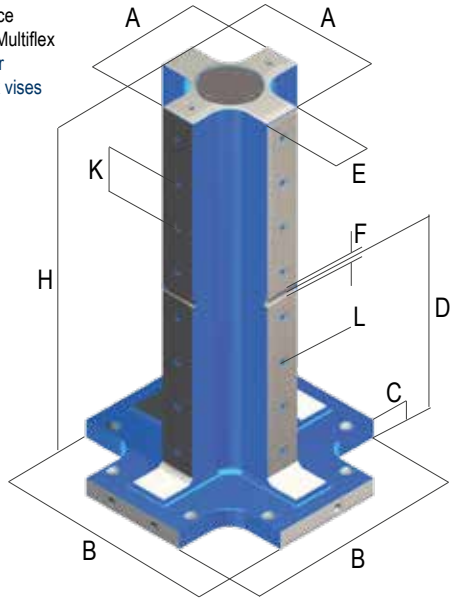
Art. 57F 50

Crosscube grid type with hardened bushing 100Cr6 and inox steel helicoils. Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12** / **M10**
- Grid pitch **50** mm = **Ø 16** / **M12**

6

Art. 57G

Cubo a croce
per morse Multiflex
Cross tower
for Multiflex vises



Dimensioni - Dimensions A	B	C	D	E	F	H	K	L	kg	Cod.
200	500	40	350	80	16	750	50	M12	154	8.57.G00100
200	500	40	350	80	16	650	50	M12	140	8.57.G00105
250	500	40	400	80	16	750	50	M12	194	8.57.G00106
270	500	40	450	80	16	850	50	M12	232	8.57.G00110
230	500	40	450	110	16	850	50	M12	214	8.57.G00120
300	500	40	450	150	16	850	50	M12	264	8.57.G00130
300	630	40	500	150	16	950	50	M12	322	8.57.G00140
370	500	40	500	200	16	950	50	M12	379	8.57.G00145
400	500	50	450	100	16	850	50	M12	228	8.57.G00150

Art. 79R

Perno di allineamento regolabile
per Multiflex montata su cubo portapezzi
Adjustable alignment pin for
Multiflex vise mounted tombstone



Cod. 6.79.R1000

Art. 297R

Chiavetta di allineamento per
Multiflex montata su cubo portapezzi
Aligment key-nut for Multiflex
vise mounted on tombstone



Cod. 6.29.7R100

Diagrammi di serraggio / *Clamping diagrams*

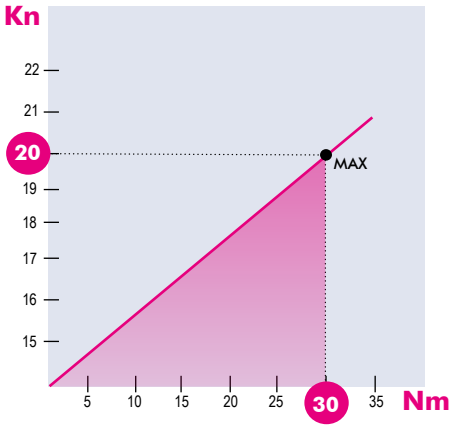
MULTIFLEX

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench **Art. 357**

Morse tipo / *Vises type* 1

Cuneo di spinta:
Momento massimo applicato 40Nm
Clamping wedge: **Torque 40Nm**

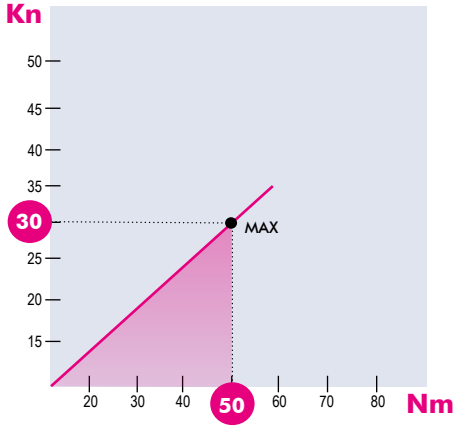




Art. 357

Morse tipo / *Vises type* 2

Cuneo di spinta:
Momento massimo applicato 120Nm
Clamping wedge: **Torque 120Nm**

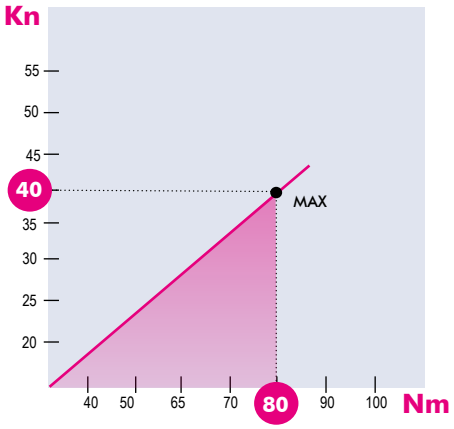


Gruppi di serraggio meccanici / *Mechanical clamping device*

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione della forza applicata.
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) depending on the force torque.

Morse tipo / *Vises type* 3

Cuneo di spinta:
Momento massimo applicato 150Nm
Clamping wedge: **Torque 150Nm**



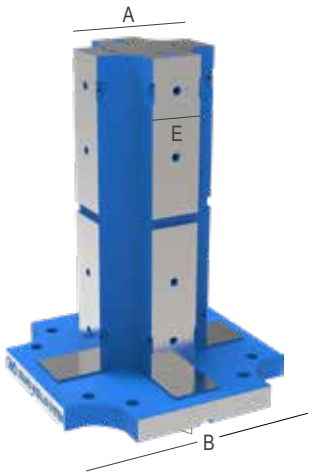
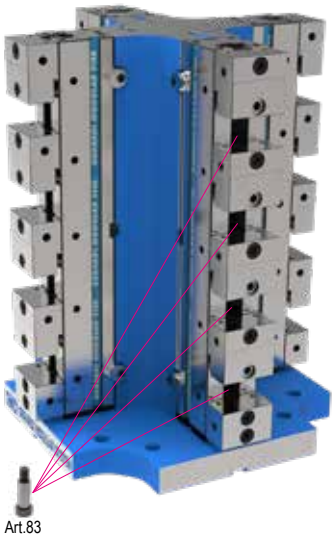


Art. 357

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

6

MONTAGGIO MORSE in VERTICALE su CUBO INTERFACCIATO
VISE VERTICAL MOUNTING on COMPLETELY INTERFACED TOMBSTONES

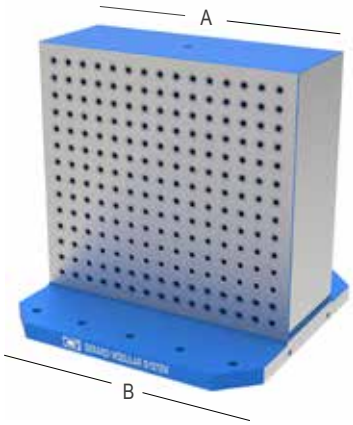
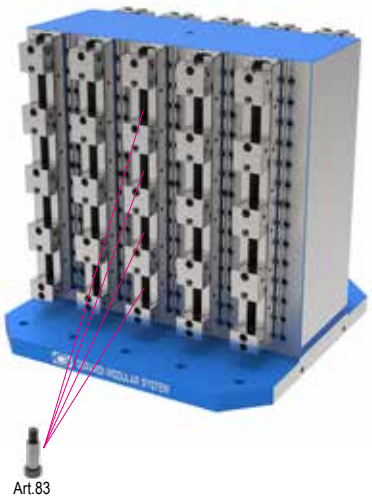
Cubo lavorato Art.57G Machined cube Art.57G	**Tipo di morsa** Vise type	**Montaggio e allineamento*** Mounting & alignment*	**Cubo con morse** Cube with vises
Cod. 8.57.G00105 Dim. A=200 / B=500 / E= 80 H=650	Art.600 Tipo 2x600	Per morsa / each vise	
			
n°morse Vises n° **x 4**		Importo per montaggio ed allineamento di ogni morsa. Amount need for each vise mounting and alignement.	

* Montaggio e allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
Vises mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

Certificato di collaudo
Certificate test

6

PREDISPOSIZIONE e MONTAGGIO MORSE su SPALLA a RETICOLO
TOMBSTONES SET-UP and VISES MOUNTING on 2 SIDES GRID TOMBSTONE

Spalla a reticolo Art.55F 2 sides grid tombsone Art.55F	**Tipo di morsa** Vise type	**Predisposizione e montaggio*** Set-up & Mounting*	**Spalla con morse** 2 sides tombstone with vises
Cod. 8.55.F00191 Dim. A=800 / B=800 / H=800	Art.600 Tipo 2x700	Per morsa / each vise	
			
n°morse Vises n° **x 10**		Importo per montaggio ed allineamento di ogni morsa. Amount need for each vise mounting and alignement.	

* Predisposizione facce, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

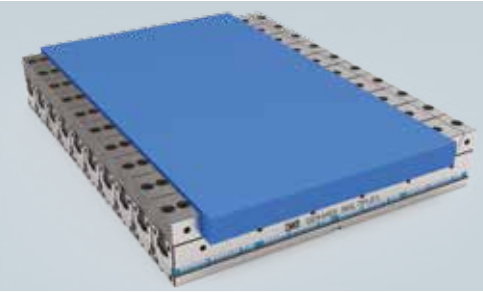
Certificato di collaudo
Certificate test

Soluzioni personalizzate / *Customized solutions*

MULTIFLEX

Soluzioni personalizzate a tutti i vostri problemi di serraggio

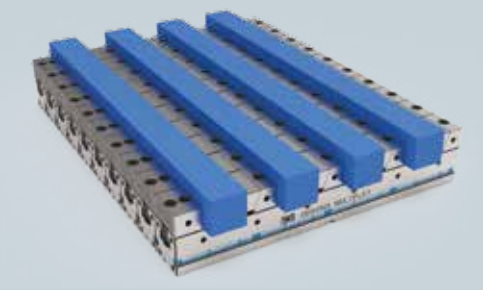
Customized solutions for all your clamping problems



Montaggio in parallelo
Parallel mounting

n° 10 morse Multiflex montate in parallelo per il serraggio di un pezzo di grosse dimensioni

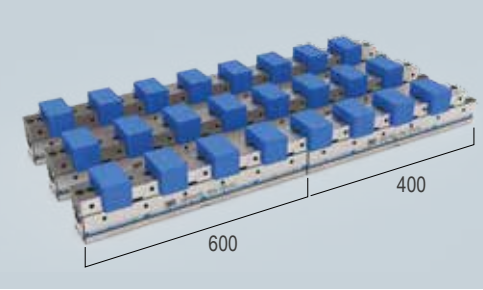
10 Multiflex vises parallel mounting for clamping a big size workpiece



Montaggio in parallelo
Parallel mounting

n° 10 morse Multiflex montate in parallelo per il serraggio di 4 pezzi di grosse dimensioni

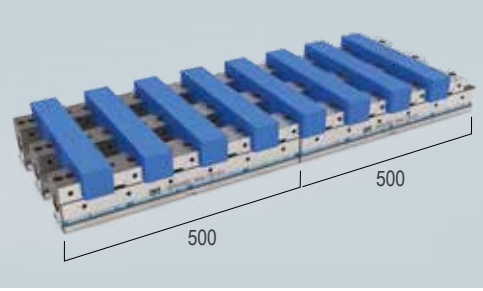
10 Multiflex vises parallel mounting for clamping a 4 big size workpieces



Montaggio in linea
In line mounting

n° 6 morse Multiflex montate in linea per il serraggio di 24 piccoli pezzi

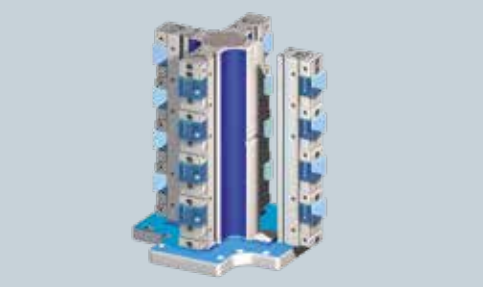
6 Multiflex vises in line mounting for clamping a 24 small workpieces



Montaggio in linea
In line mounting

n° 6 morse Multiflex montate in linea per il serraggio di 8 pezzi di grosse dimensioni

6 Multiflex vises in line mounting for clamping a 8 big size workpieces



Cubo Morsa
Tombstone + vises

Cubo a croce Art.57G con vari tipi di morse Gerardi montate verticalmente

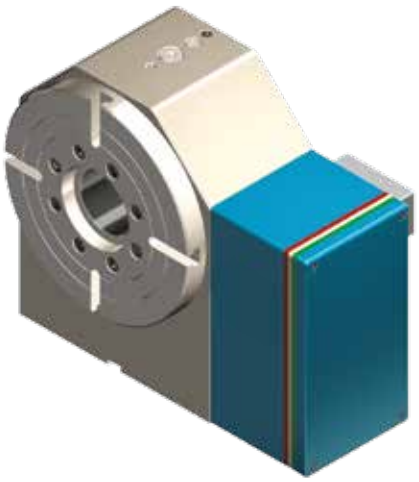
Crosscube Art.57G with varoius Gerardi vises vertically assembled

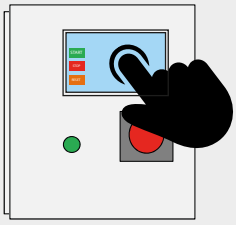
DIVISORE AUTOMATICO DPG 250
AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DPG 250





PROGRAMMAZIONE **TOUCH SCREEN**
FACILE ED INTUITIVA O TRAMITE COLLEGAMENTO DIRETTO AL CNC

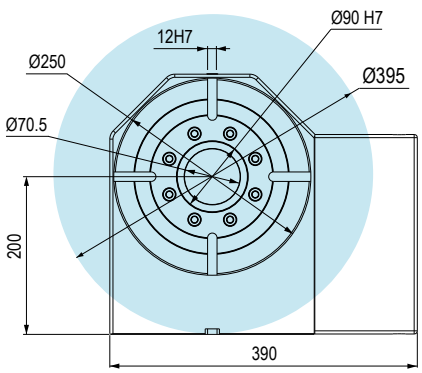
EASY AND INTUITIVE **TOUCH SCREEN**
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

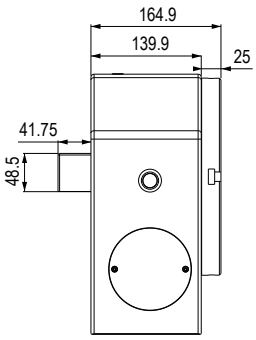
- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento assiale
- Completa tenuta stagna ai liquidi con possibilità di pressurizzazione
- Possibilità di montare motori di tutte le marche
- Dimensioni esterne contenute
- Finestra di controlli liquidi e condensa
- Lavorazione in posizionamento a 360°

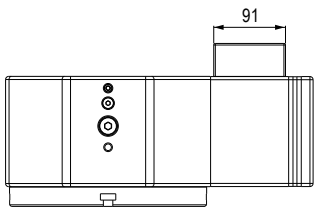
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization
- Possibility to mount motors of all brands
- Reduced external dimensions
- Condensation and liquid control window
- 360° work positioning

Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Clearance hole diameter		70,5 mm
Altezza punte Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		Idraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
Motore Servo motor		3000 Max.g/min
Minimo incremento Minimum increment		0,002
Velocità di rotazione Rotation speed		33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)		1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)		1/180
Precisione Indexing accuracy		±10 Sec.
Ripetibilità Repeatability		4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical	Kg.550
	Orizzontale Horizontal	Kg.1500
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DP.G2500

DPG 250

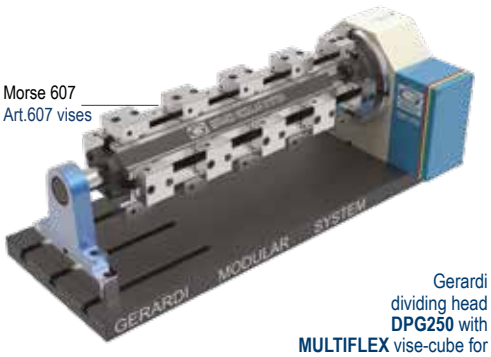






Tipo (grandezza) / Type (size)	1					2			
C $^{-0}_{-0,02}$	100					150			
D	300	400	500	600	700	400	500	600	700
G $^{-0}_{-0,02}$	50					75			
Ø I ^{H7}	25					50			
L $^{-0}_{-0,02}$	20					20			
Cod.	6.DP.G25000	6.DP.G25010	6.DP.G25020	6.DP.G25030	6.DP.G25040	6.DP.G25050	6.DP.G25060	6.DP.G25070	6.DP.G25080

Divisore Gerardi **DPG250** con cubo-morsa **MULTIFLEX** per il serraggio di particolar di tutte le forme e dimensioni.



Gerardi dividing head **DPG250** with **MULTIFLEX** vise-cube for clamping workpieces of all shapes and sizes.

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.	7.99.A1000

Art. 99B

Perno di centraggio completo di sistema d'allineamento
Horizontal centering pin with alignement system



Cod.	6.99.B1000	6.99.B2000

Art. 99H

Distanziale per supporto
Spacer support



Cod.	6.99.H1000

Art. 62K
DPG 250

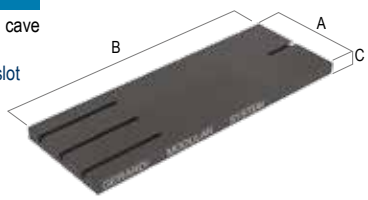
Piastra di interfaccia per cubo MULTIFLEX completa di sistema d'allineamento
Connecting plate with alignement system for MULTIFLEX



Cod.	6.62.K603A8	6.62.K603A9

Art. 99S

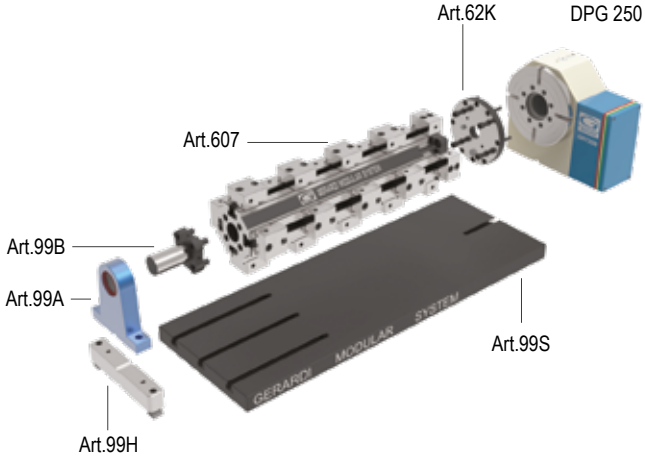
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground

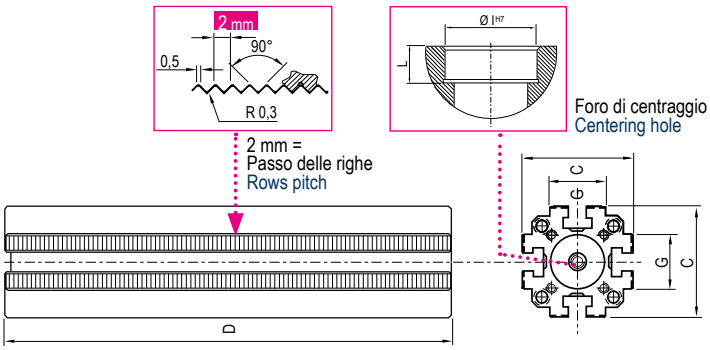


Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
600	400	50	94	7.99.S060S	
800	400	50	125	7.99.S080S	
1000	400	50	156	7.99.S100S	

Cave o fori calibrati su richiesta
Slot or calibrated holes on request

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm





6

DIVISORE MECCANICO DIVIGER 205
MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

DIVIGER 205



Dati tecnici Technical Data	
Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Cleareance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione Indexing accuracy	±10 Sec.
Coppia in lavoro Driving torque	3000 Nm
Kg	93
Cod.	7.66.73000

DIVISORE MECCANICO, SENZA CAVI O IDRAULICA, PERMACCHINE A CNC

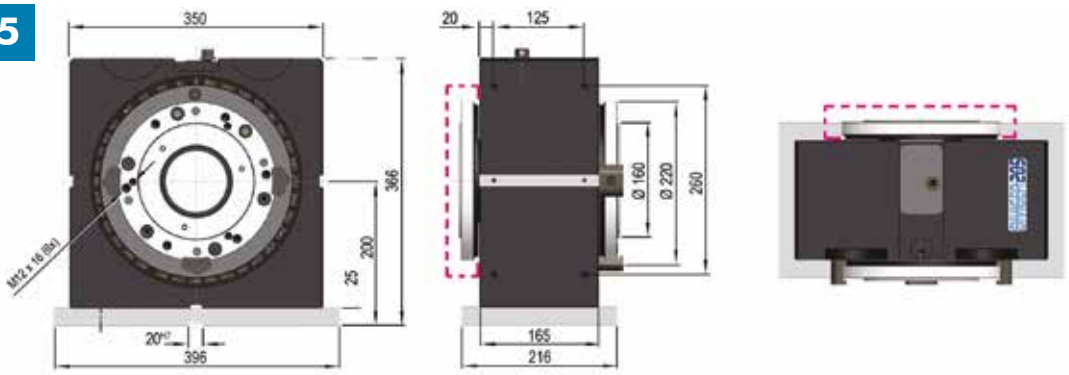
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES OR HYDRAULIC, FOR CNC MILLING MACHINE

- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta
- Lavorazione a barra grazie al mandrino cavo
- Utilizzabile orizzontalmente o verticalmente
- Cambio tramite serraggio a cuneo

- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due to hollow spindle
- To be used horizontaly or vertically
- Quick change through wedge clamping

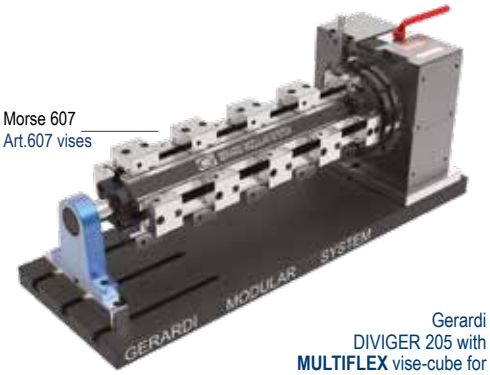


DIVIGER 205



Tipo (grandezza) / Type (size)		1					2				
Divisore Gerardi **DIVIGER 205** con cubo-morsa **MULTIFLEX** per il serraggio di particolar di tutte le forme e dimensioni.	C $^{-0}_{-0,02}$	100					150				
	D	300	400	500	600	700	400	500	600	700	
	G $^{-0}_{-0,02}$	50					75				
	Ø I ^{H7}	25					50				
	L $^{-0}_{-0,02}$	20					20				
	Cod.	6.DI.V20500	6.DI.V20510	6.DI.V20520	6.DI.V20530	6.DI.V20540	6.DI.V20550	6.DI.V20560	6.DI.V20570	6.DI.V20580	

Morse 607
Art.607 vises



Gerardi DIVIGER 205 with **MULTIFLEX** vise-cube for clamping workpieces of all shapes and sizes.

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A
Supporto
Support



Cod.	7.99.A1000

Art. 99B
Perno di centraggio completo di sistema d'allineamento
Horizontal centering pin with alignement system



Cod.	6.99.B1000	6.99.B2000

Art. 99H
Distanziale per supporto
Spacer support



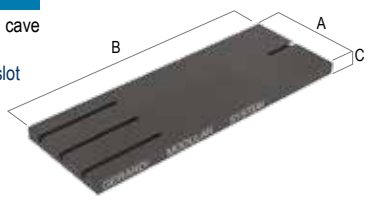
Cod.	6.99.H1000

Art. 62K
DIVIGER 205
Piastra di interfaccia per cubo MULTIFLEX completa di sistema d'allineamento
Connecting plate with alignement system for MULTIFLEX



Cod.	6.62.K603A8	6.62.K603A9

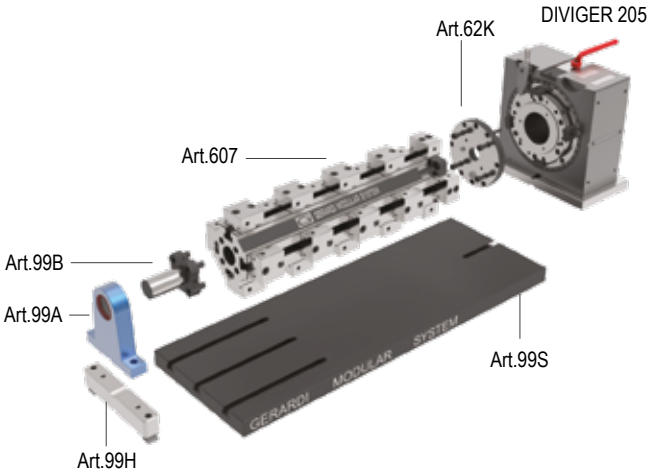
Art. 99S
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground

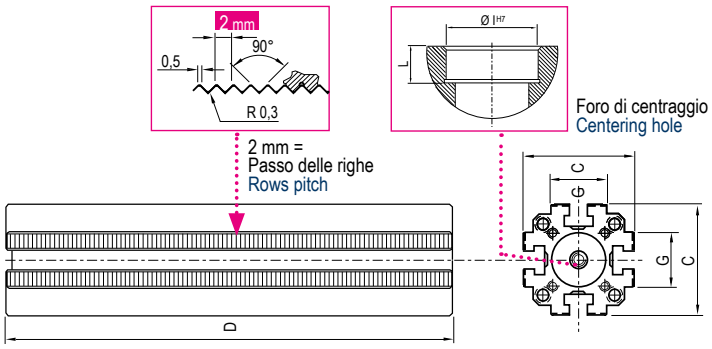


Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
600	400	50	94	7.99.S060S	
800	400	50	125	7.99.S080S	
1000	400	50	156	7.99.S100S	

Cave o fori calibrati su richiesta
Slot or calibrated holes on request

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm





6

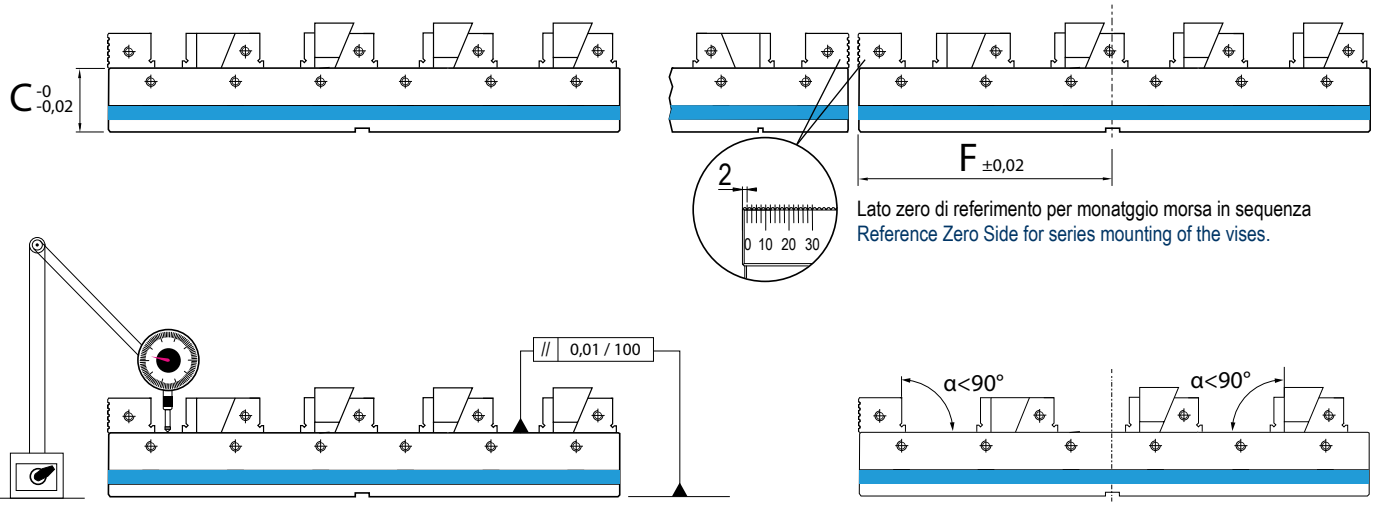
ISTRUZIONI PER UN CORRETTO UTILIZZO
ISTRUCTIONS FOR A PROPER USE

Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

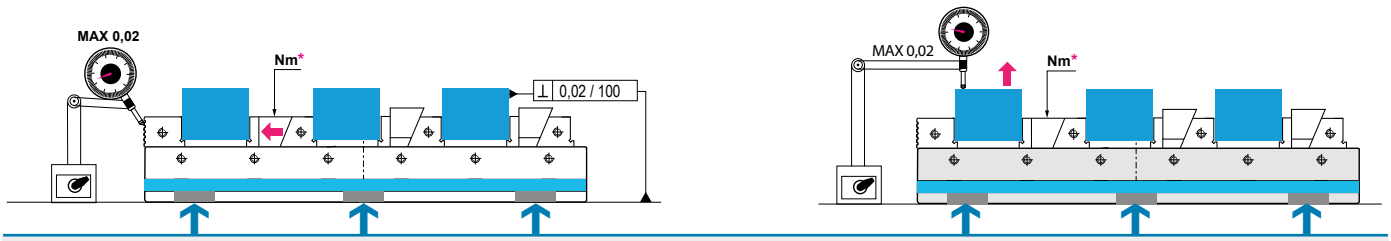
Scan the QR code to download the complete instructions

TOLLERANZE GEOMETRICHE / GEOMETRIC ACCURACIES



Lato zero di referimento per monatggio morsa in sequenza
Reference Zero Side for series mounting of the vises.

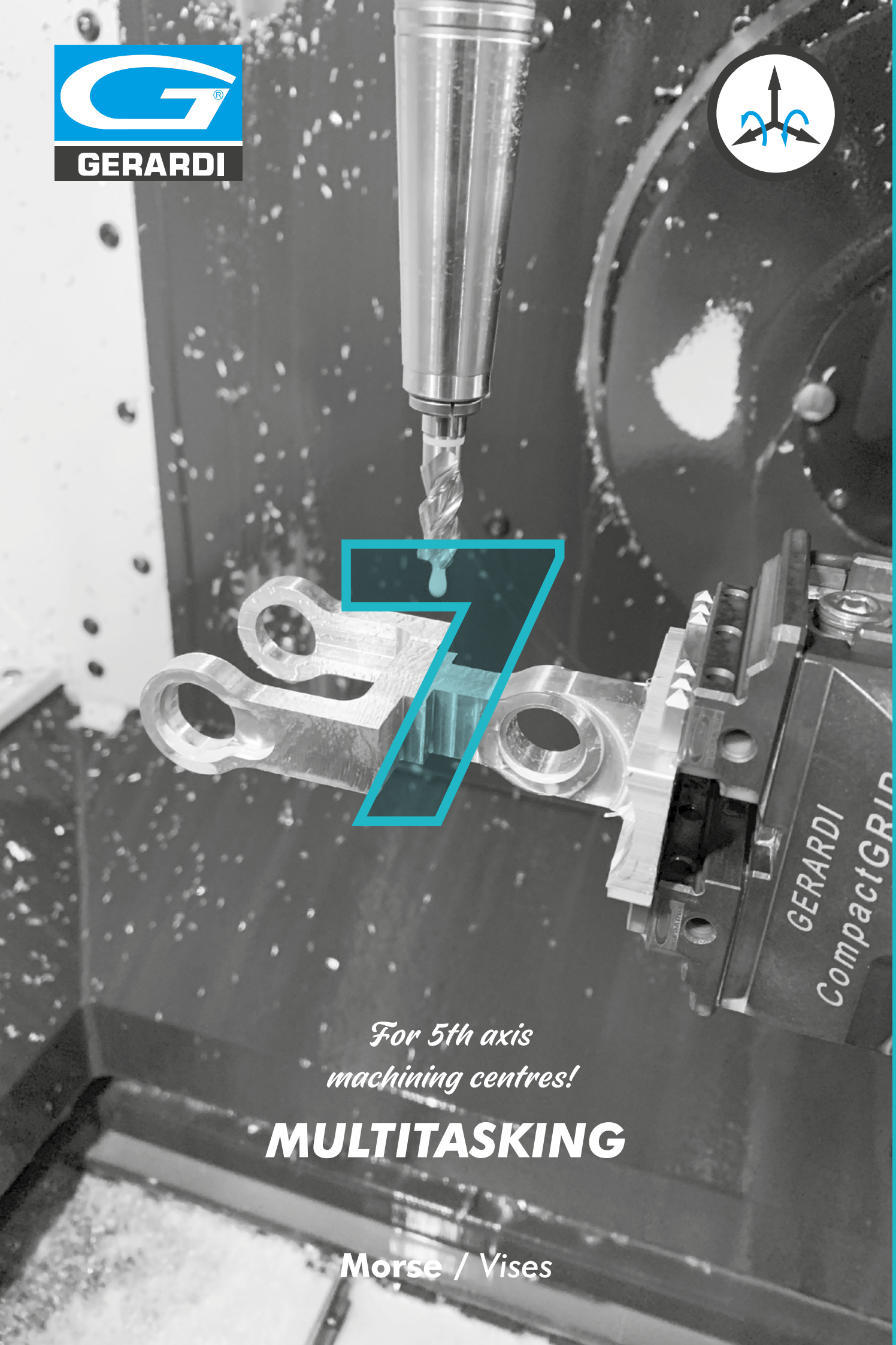
TOLLERANZE DINAMICHE / DINAMIC ACCURACIES



Morsa ancorata con 2 coppie di staffe **Art. 296** / Vise clamped with n. 2 pairs of **Art. 296**

Art 600 - 606 - 611		* Momento applicato - Torque **Nm**				Forza di serraggio - Clamping power **KN**		
		Ganascia fissa e Cuneo di posizionamento Fixed jaw and positioning Wedge	Cuneo di spinta - Clamping movable Jaw			Cuneo di spinta - Clamping movable Jaw		
			Morsa - Vise **Art. 600**	Morsa - Vise **Art. 606**	Morsa - Vise **Art. 611**	Morsa - Vise **Art. 600**	Morsa - Vise **Art. 606**	Morsa - Vise **Art. 611**
Ganascia Tipo 1	Jaw Type 1	40		30			20	
Ganascia Tipo 2	Jaw Type 2	120		50			30	
Ganascia tipo 3	Jaw Type 3	250		80			40	

1 kgf . m = 9.806 Nm



7

For 5th axis machining centres!

MULTITASKING

Morse / Vises

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VALIGETTA DI CAMPIONATURA COMPACT GRIP
SAMPLE KIT CASE COMPACT GRIP

NEW



Art. 986

Valigetta di campionatura morsa Art.650 - Art.660
Sample kit case Art.650 - Art.660

Cod.	0.98.60000

All'Interno - Inside:

Art.11A	Art. 650G G11	Art.297
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Art.950D	Art. 650G G01	Art.375
Art.950B	Art. 650R	Art.376 CH3/CH6
Art.660B	Art. 650S	Art.650G
Art.79	Art. 298/CGR	Art.650GZ



SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

SERIE SERIES		Morse Multitasking Multitasking vises	Morse Compact Grip Compact Grip vises	Morse Compact Grip Art.950 Art.950 Compact Grip vises	Morse Grip Matic Grip Matic vises	Sistema a coda di rondine Dove Tail fixtures
INSERTI GRIP INSERT GRIP		Morse Compact Grip Art.950 Art.950 Compact Grip vises	Liscio + Ruvido Smooth + Rough	Coda di Rondine Dove Tail	GRIP GRIP	Frontali Frontal
POSSIBILITÀ POSSIBILITY				Montaggio con centralina Mounting with power unit	Lavorazioni a 5 assi 5 axis machining	Predisposizione Zero Point Zero Point Ready
PAGINE PAGES	Rialzi Risers	Sistema Pneumatico Pneumatic system	Sistema Idraulico Hydraulic system	Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use	Diagrammi forze di serraggio Clamping force diagrams

Multitasking & CompactGrip vises

MULTITASKING

Precisione / Accuracy
±0,02mm

HRC
Durezza / Hardened
HRC 58±2

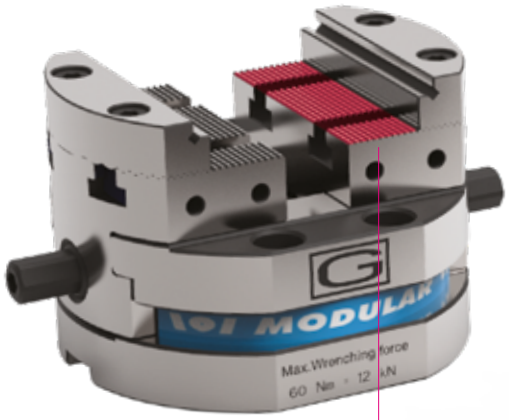
Morse autocentranti per applicazioni avanzate su centri a 5 assi

Vises for advanced applications on 5 axis machining centres

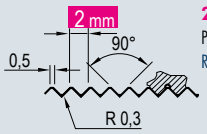
Multitasking

Le Tonde
The Rounded

Art. 640







2 mm
Passo delle righe
Rows pitch

Posizionamento delle ganasce in qualsiasi posizione della dentatura della base.

Possibility the jaws on whatever positioning on the vise base.

Ganasce da 74 a 140 mm. Ancoraggio diretto o tramite staffe / Posizionamento tramite fori calibrati o chiavette / Eccentriche: possibilità di disassamento centraggio per multipli di 1 mm (Auto-centraggio fuori asse) / Autocentranti con serraggi concentrici dall'esterno all'interno e viceversa / Minimi ingombri e massima rigidità / Costruzione solida e compatta a massima apertura rispetto agli ingombri / Disponibili serie di ganasce intercambiabili / Ganasce integrali per massima rigidità

Jaws widhts from 75 to 140 mm. Direct vise set-up or through vise clamps / Positioning through ground holes or keyways / Self-centering with possibility to clamping from outside to inside and viceversa / Eccentric jaw adjustment in steps of 1 mm (Multiaxis self-centering) / Minimum deflection and overall dimensions / Solid and rigid construction and maximum clamping ratio to the total lenght / Series of interchangeables jaws available / Solid jaws (integral with the slides) for highest rigidity

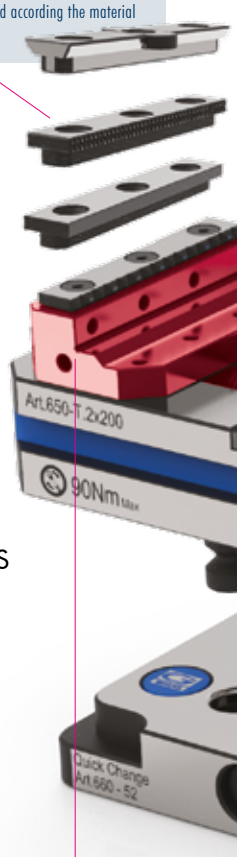


Versatilità
Ampia Gamma Di Inserti

Versatility
Ampia Gamma Di Inserti

Inserti riportati utilizzabili da entrambi i lati. Grande versatilità ottenuta attraverso la possibilità di sostituire gli Inserti GRIP con diversi tipi di dentatura in modo facile e veloce (da utilizzare a seconda del materiale da lavorare).

Inserts to be used on both sides Another advantage will be the greatest versatility thanks to easiest and quickest GRIP top jaw inserts exchange with different types of teeth design to be used according the material to be clamped



CARATTERISTICHE & VANTAGGI

- √ **USURA INESISTENTE**
- √ **RAPIDITA' DEI SERRAGGI**
- √ **MODULARITA' & VERSATILITA'**
- √ **PRECISIONI ± 0,02 mm**
- √ **RIGIDITA' & SICUREZZA**
- √ **DESIGN COMPATTO E MANEGGEVOLEZZA**
- √ **AUTOCENTRANTI**
- √ **PREDISPOSIZIONE PER ZERO POINT**
- √ **RIALZI COMPATIBILI**

TECHNICAL FEATURES & ADVANTAGES

- √ NO WEAR
- √ QUICK CLAMPING
- √ MODULARITY & VERSATILITY
- √ HIGHEST ACCURACIES ± 0,02 mm
- √ RIGIDITY & SAFETY
- √ SELF-CENTERING
- √ ZERO POINT READY
- √ COMPATIBLE RISERS



Ganasce Reversibili MONOBLOCCO

SOLID GUIDED
Reversible Jaws



Versatilità grazie alle ganasce MONOBLOCCO reversibili e alle 4 opzioni di posizionamento della base (90°) ed ai fori frontali passanti.

Versatility also thanks to the SOLID GUIDED reversible jaws and to the 4 base positions option (90°) and to the front through holes.

7

Di speciale interesse per gli utilizzatori di centri di lavoro a 5 assi, le morse MULTITASKING / COMPACT GRIP presentano le stesse caratteristiche costruttive illustrate per le morse della serie FMS e MULTIFLEX (accuratamente rettificate in acciaio ad alta resistenza cementato trattato termicamente). Nate espressamente per i centri a 5 assi, questa gamma di morse permette di intervenire sulle 5 facce del particolare in lavorazione con riferimenti precisi in spazi contenuti garantendo usure inesistenti e grande rigidità. Massima compatibilità con i sistemi di cambio pallet già esistenti sul mercato

---

Of special interest to 5 axis machining centres users MULTITASKING, COMPACTGRIP & GRIPMATIC vises present the same building characteristics of FMS and MULTIFLEX vises, (Heat treatment and ground steel contruction throughout). Designed for 5 axis machines, this series of vises allow machining operations on the 5 workpieces sides with perfect alignment in a space saving design, extremely high wear resistence, with reduced deflection. Max compatibility with the most popular pallet change systems.

SCAN IT TO WATCH THE VIDEO PRESENTATION

5 YEARS WARRANTY

Autocentranti e Compatte
Selfcentering & Compact

CompactGrip

Le più Compatte
The most Compact

Art. 650

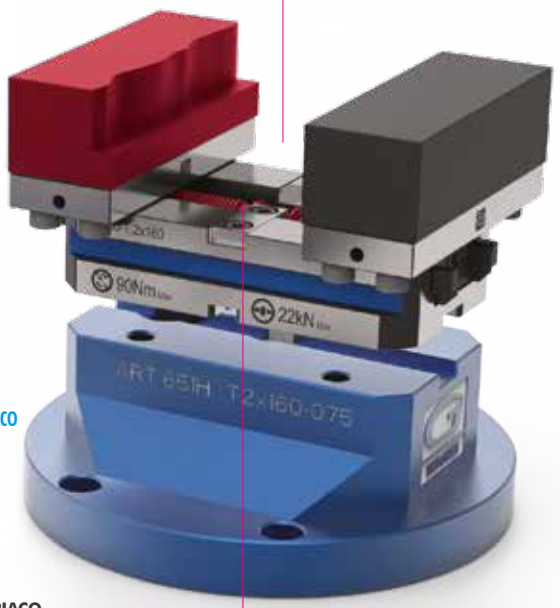


Autocentranti regolabili
Self-centering adjustable

Veloce sistema di regolazione autocentrante dall'alto tramite tasselli di azzeramento forniti in dotazione

Easy self-centering adjustment from the top by key-nuts supplied as standard equipment.





Con ganasce dolci lavorabili
With soft machineable jaws

Art. 950

Tavola a cambio rapido meccanico
Mechanical quick change table

Art. 660

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO**
NOT AVAILABLE FOR GERMAN & AUSTRIAN MARKET

Rialzo semplice
Simple riser

Art. 651H



Compatibilità con 4° asse
Compatibility with 4th axis

La nuova Tavoletta a Cambio Rapido Art.660 (disponibile anche tonda Art.661) permette la rapida rapida sostituzione di morse o attrezzature su tutte le più diffuse tavole girevoli, la versione lavorabile può essere personalizzata direttamente dal cliente in base alla sua tavola macchina.

The new Quick Change Sub Plate Art.660 (available also as round Art.661) allows the quick of vises or fixtures replacing on the most famous rotary table. The machineable version can be tailor made by the customer himself according to his machine table.



Maggior forza di serraggio
Highest clamping power

Forza di serraggio maggiore rispetto alle morse oggi sul mercato, ma anche rispetto alle nostre morse Art.640 e con un design più compatto e leggero. Questo è possibile grazie alle viti di serraggio, alla loro posizione più prossima al particolare da lavorare e al design integrale di slitte e ganasce.

Much higher clamping power than the existing vises, but also compared to our Art.640 and with a more compact and lighter design. This is because of the clamping screw design, its position much closer to the workpiece, and the integral design of slides and jaws.

Staffe di ancoraggio / *Vise holding clamps*

NEW 2021

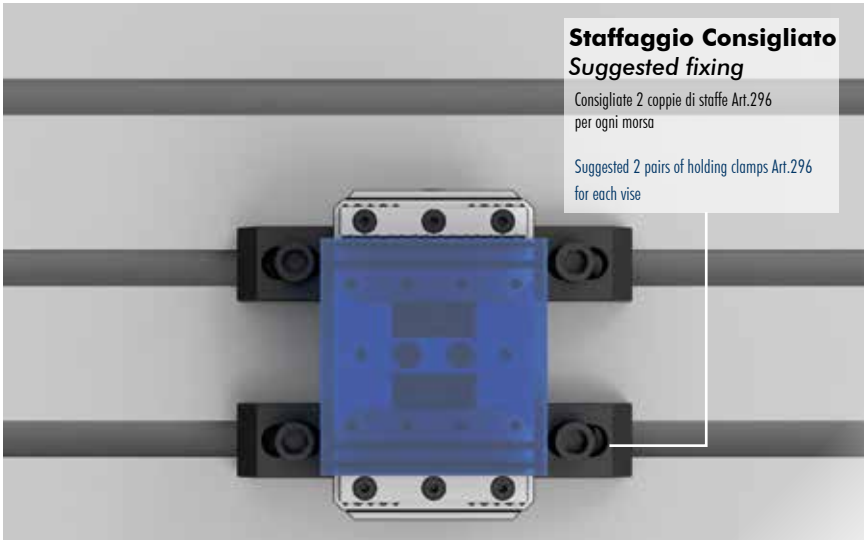
CompactGrip

Coppia staffe di fissaggio Art.296, complete di vite e dado a "T"

Pair of vise holding clamps Art.296 complete of screw and "T" nut

Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm
Oppure con codice: 2.29.6100 X=18mm

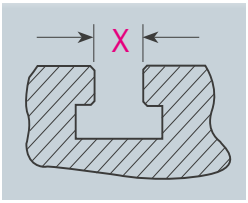
Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm
Also with code: 2.29.6100 X=18mm



Art.298/CGR

Per lo staffaggio della morsa in spazi ristretti possibilità di usare staffe Art. 298 / CGR vedi pag. 7.29)
For clamping vise in narrow space it's possible to use the holding clamps Art 298 / CGR see pages 7.29



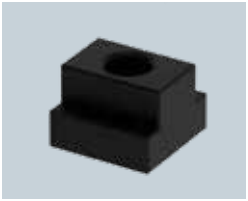


Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

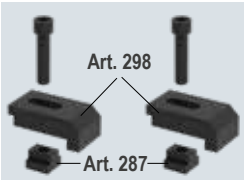


Art.287 (Pag.4.34)

Dadi a T - *T Nuts*

Per fissaggio morse alle cave a T della macchina

For vise clamping on the machine T-slots



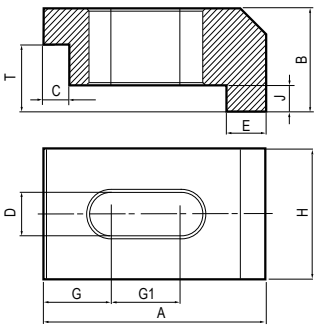
Art.296

(Art.298 + Art.287)

Consigliate 2 coppie di staffe Art.296 per ogni morsa

Suggested 2 pairs of holding clamps Art.296 for each vise

Tipo (grandezza) morsa / Vise type (size)		1 - 2 - 3								
Art. 296 Coppia di staffe / Holding clamps pair	Cava a T- slot **X**	12*	14	16	16	18	20	18*	20	22
	T-nuts Ref. N°	12	13	14	20	21	22	32	33	34
	Filetto vite / Screw thread	M10			M12 *			M16		
	A	50			50			50		
	B	24			24			24		
	C	6			6			6		
	Ø D	11			13			17		
	E	10			10			10		
	G	16			17,5			19		
	G1	15			13			9		
	H	34			34			34		
	J	4			4			4		
	T ± 0,1	15			15			15		
	Cod.	2.29.61000 / M10			2.29.61000 / M12			2.29.61000 / M16		



* *Scelta consigliata - Suggested choice*

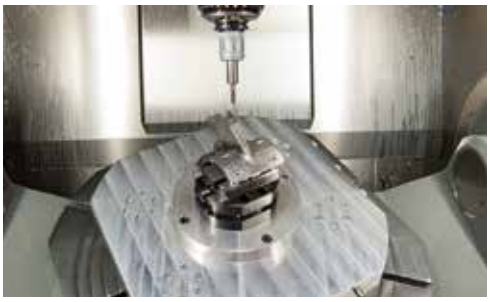
* *Scelta NON consigliata - NO Suggested choice*

Soluzioni personalizzate / *Customized solutions*

4th & 5th Axis

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

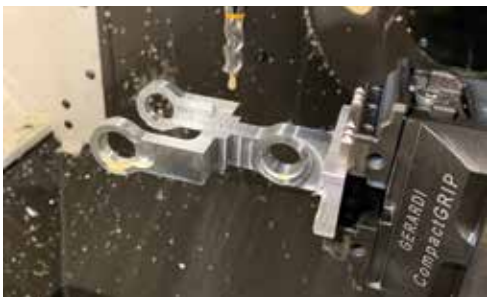


Morsa Multitasking su centro a 5 assi

Multitasking vise on 5th axis machining center

Applicazione aeronautica, morsa Art.640 tipo 2 montata su macchina a 5 assi

Typical Multitasking vise Art.640 type 2 application on a 5 axis machine for aerospace workpiece

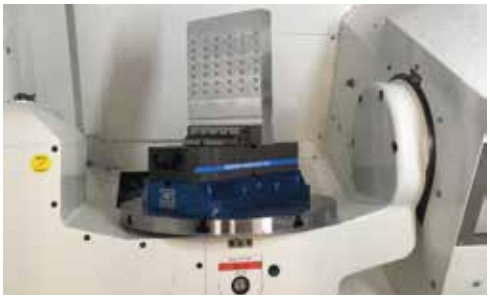


Morsa CompactGrip su centro a 5 assi

CompactGrip vise on 5th axis machining center

Lavorazioni di fresatura effettuate su di un centro di lavoro a cinque assi con morse CompactGrip Art.650

Milling machining operations on a five axis machining center with CompactGrip vises Art650



Morsa CompactGrip su rialzo semplice

Compact Grip vise on simple riser

Morsa CompactGrip montata su Kitamura Mytrunnion 4G per la lavorazione di uno stampo nel settore plastica.

Compact Grip vise on Kitamura Mytrunnion-4G for machining a die mould used in the plastic industry



Morse CompactGrip su piastra Zero Point

CompactGrip vises on Zero Point plate

Piastra base con 6 Zero Point singoli per morse CompactGrip Art.650 T2 per lavorazioni di piccoli particolari

Zero Point plate with 6 single Zero Point units for CompactGrip vises Art.650 T2 for small workpieces machining.



Un sistema completamente automatico

Fully automatic system

Morsa automatica GripMatic Art.670PN montata tramite robot su tavola Zero Point.

GripMatic automatic vises Art.670PN mounted by robot on Zero Point Plate

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 20 kN
Art. 640 *Tipo / Type* **1 e 2**	A	65	95
	A1	20	40
	W	74	99
	B	15	20
	C	50	70
	D	Ø120	Ø160
	E	35	35
	F	92	120
	G	20	25
	H	156	208
	L	M12	M16
	M	9	11
	kg	4,9	11
	Cod.	6.64.01000	6.64.02000

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



Self-centering or eccentric vise.
Manual operation
Mechanical clamping

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 641H *Tipo / Type* **1**



B	50	75	100
Cod.	7.64.1H100AL /50	7.64.1H100AL /75	7.64.1H100AL /100

Rialzo Semplice
Simple Riser

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

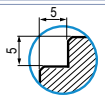
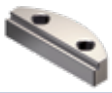
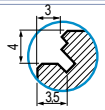
Art. 641H *Tipo / Type* **2**



B	50	75	100
Cod.	7.64.1H200AL /50	7.64.1H200AL /75	7.64.1H200AL /100

Rialzo Semplice
Simple Riser

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 645B Ganascia dolce Soft jaw		Cod.	6.64.5B100 / 6.64.5B200
Art. 645C Ganascia liscia Smooth jaw		Cod.	6.64.5C100 / 6.64.5C200
Art. 645D Ganascia zigrinata Serrated jaw		Cod.	6.64.5D100 / 6.64.5D200
Art. 645E Ganascia a gradino Step jaw	 	Cod.	6.64.5E100 / 6.64.5E200 In Dotazione - Standard Equipment
Art. 645F Ganascia prismatica Prismatic jaw		Cod.	6.64.5F100 / 6.64.5F200
Art. 645T Ganascia GRIP GRIP jaw	 	Cod.	6.64.5T100 / 6.64.5T200

Dotazione standard:
- 1 chiave esagonale Art. 375 ■ 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297
- 1 perno calibrato per centraggio Art. 640P*

*(Indicare dimensione in fase d'ordine)



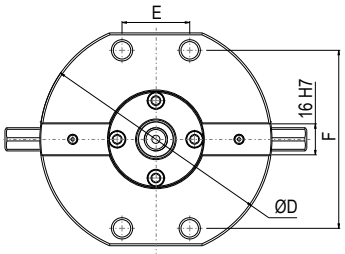
Standard equipment:
- 1 exagonal wrench Art. 375 ■ 1 workstop Art. 370
- 1 pair of positioning key-nuts Art. 297
- 1 calibrated centering pin Art. 640P *

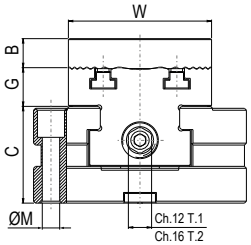
*(Dimension to be advised at order)

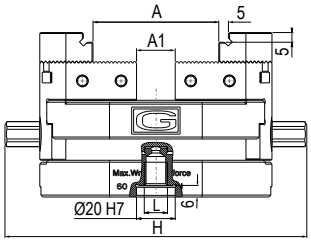
Art. 640 *Tipo / Type* **1 e 2**

Esempio di ordine: *Art. 640 tipo 1*
(Art.297 18mm + Art.640P 40mm)

Example of order: *Art. 640 type 1*
(Art.297 18mm + Art.640P 40mm)







Tipo (grandezza) morsa Vise type (size)	kN	3 30 kN
	A	108
	A1	20
	W	138
	B	30
	C	58
	D	166
	E	-
	kg	13
	Cod.	7.64.03166

Art. 640

Tipo / Type **3 x 166**

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



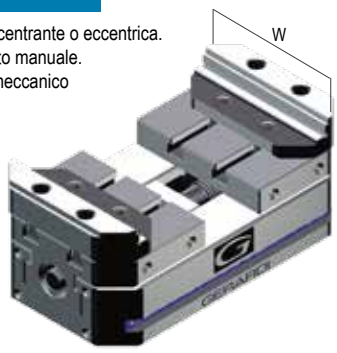
Self-centering or eccentric vise.
Manual operation
Mechanical clamping

Tipo (grandezza) morsa Vise type (size)	kN	3 30 kN
	A	208
	A1	60
	W	138
	B	30
	C	58
	D	266
	E	200
	kg	20
	Cod.	7.64.03266

Art. 640

Tipo / Type **3 x 266**

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



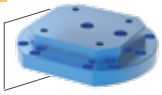
Self-centering or eccentric vise.
Manual operation
Mechanical clamping

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 641H

Tipo / Type **3 x 166**

Rialzo Semplice
Simple Riser



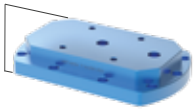
B	50	75	100
Cod.	7.64.1H3166AL /50	7.64.1H3166AL /75	7.64.1H3166AL /100

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 641H

Tipo / Type **3 x 266**

Rialzo Semplice
Simple Riser



B	50	75	100
Cod.	7.64.1H3266AL /50	7.64.1H3266AL /75	7.64.1H3266AL /100

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 645B

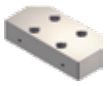
Ganascia dolce
Soft jaw



Cod. 7.64.5B300

Art. 645C

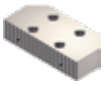
Ganascia liscia
Smooth jaw



Cod. 7.64.5C300

Art. 645D

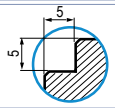
Ganascia zigrinata
Serrated jaw



Cod. 7.64.5D300

Art. 645E

Ganascia a gradino
Step jaw





Cod. 7.64.5E300

In Dotazione - Standard Equipment

Art. 645F

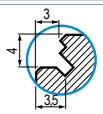
Ganascia prismatica
Prismatic jaw



Cod. 7.64.5F300

Art. 645T

Ganascia GRIP
GRIP jaw

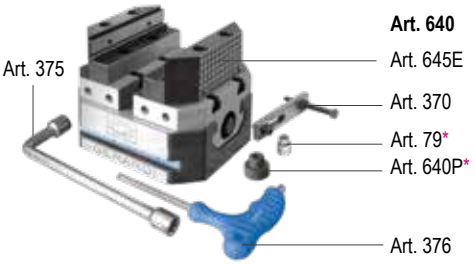




Cod. 7.64.5T300

Dotazione standard:
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- 1 arresto laterale Art. 370 ■ 1 perno calibrato per centraggio e orientamento Art. 79* ■ 1 perno calibrato per centraggio Art. 640P*

*(Indicare dimensione in fase d'ordine)



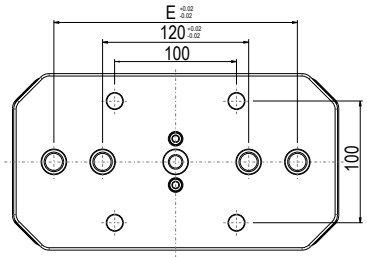
Standard equipment:
- 1 box wrench Art. 375 ■ 1 "T" wrench Art. 376
- 1 workstop Art. 370 ■ 1 calibrated centering and orientation pin Art. 79*
- 1 calibrated centering pin Art. 640P*

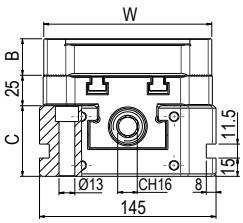
* (Dimension to be advised at order)

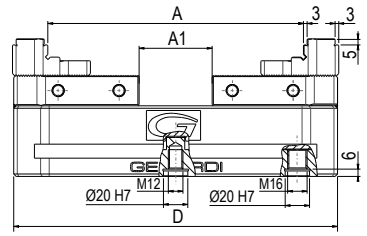
Art. 640

Tipo / Type **3**

Esempio di ordine: *Art. 640 tipo 3 x 166*
(Art.79 20mm + Art.640P 40mm)
Example of order: *Art. 640 type 3 x 166*
(Art.79 20mm + Art.640P 40mm)



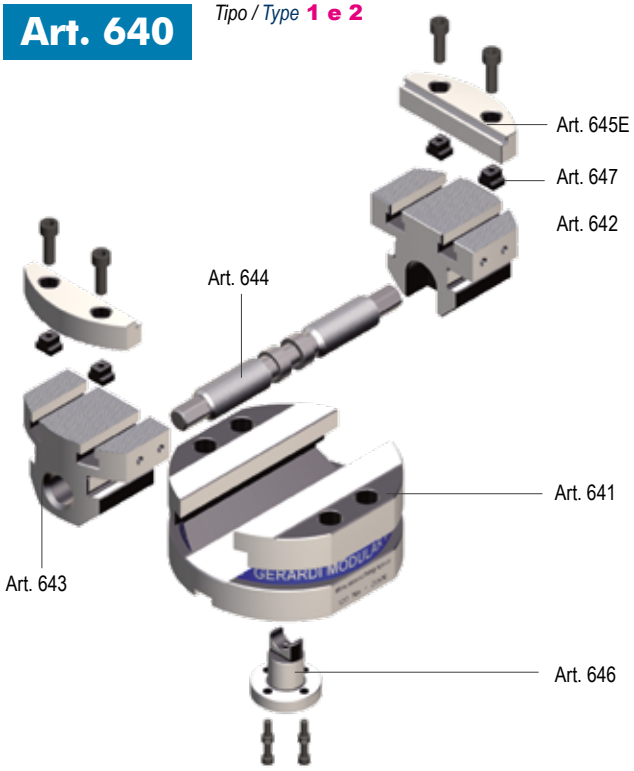




7

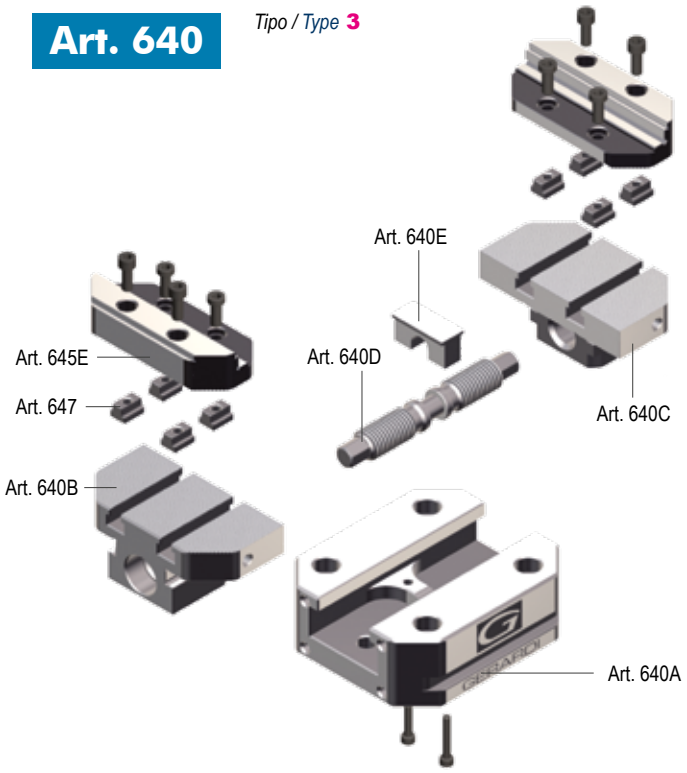
Art. 640

Tipo / Type **1 e 2**



Art. 640

Tipo / Type **3**

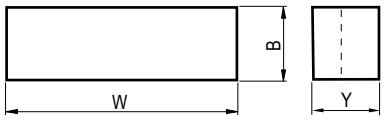


Tipo (grandezza) / Type (size)		1	2
Art. 641 Corpo base Base body	Cod.	6.64.11000	6.64.12000
Art. 642 Slitta integrale destra Solid slide right hand	Cod.	6.64.21000	6.64.22000
Art. 643 Slitta integrale sinistra Solid slide left hand	Cod.	6.64.31000	6.64.32000
Art. 644 Vite di bloccaggio Main screw	Cod.	6.64.41000	6.64.42000
Art. 645E Ganascia a gradino Step jaw	Cod.	6.64.5E100	6.64.5E200
Art. 646 Forcella Yoke	Cod.	6.64.61000	6.64.62000
Art. 647 Dado a T (Cad.) T nut (Each)	Cod.	6.64.71000	6.64.72000

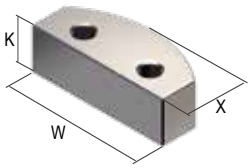
Tipo (grandezza) / Type (size)		3x166	3x266
Art. 640A Corpo base Base body	Cod.	7.64.0A3166	7.64.0A3266
Art. 640B Slitta integrale sinistra Solid slide left hand	Cod.	7.64.0B3166	7.64.0B3266
Art. 640C Slitta integrale destra Solid slide right hand	Cod.	7.64.0C3166	7.64.0C3266
Art. 640D Vite di bloccaggio Main screw	Cod.	7.64.0D3166	7.64.0D3266
Art. 640E Forcella Yoke	Cod.	7.64.0E3166	7.64.0E3266
Art. 645E Ganascia a gradino Step jaw	Cod.	7.64.5E300	
Art. 647 Dado a T (Cad.) T nut (Each)	Cod.	7.64.73000	

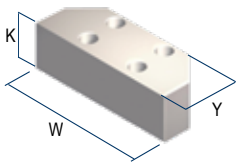
7

GANASCE PER MORSE MULTITASKING Art.640
JAWS FOR MULTITASKING VISES Art.640

Tipo (grandezza) / Type (size)		1	2	3
	B	15	20	30
	Y	27,5	32,5	50
	W	74	99	138

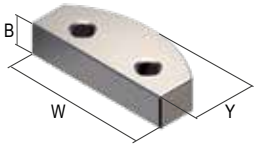
Art. 645B*
Ganascia dolce
Soft jaw

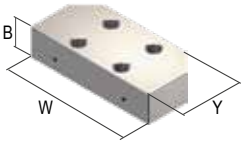




	1	2	3	
K	20	30	50	
X	27,5	42,5	-	
Cod.	6.64.5B100	6.64.5B200	7.64.5B300	

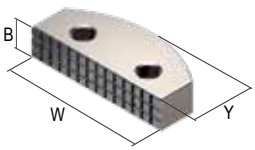
Art. 645C*
Ganascia liscia
Smooth jaw

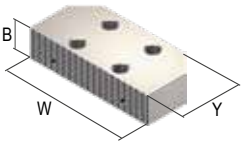




	1	2	3
Cod.	6.64.5C100	6.64.5C200	7.64.5C300

Art. 645D*
Ganascia zigrinata
Serrated jaw

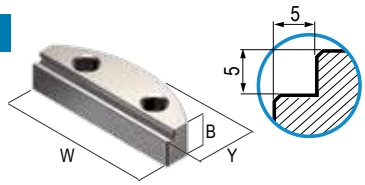


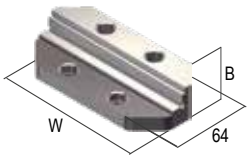


	1	2	3
Cod.	6.64.5D100	6.64.5D200	7.64.5D300

Art. 645E*
Ganascia a gradino
Step jaw

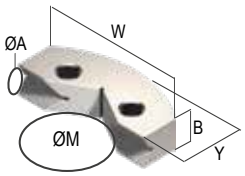
In Dotazione
Standard Equipment

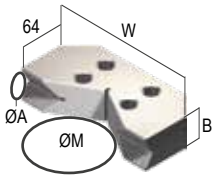




	1	2	3
Cod.	6.64.5E100	6.64.5E200	7.64.5E300

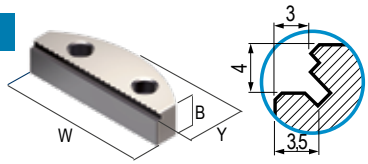
Art. 645F*
Ganascia prismatica
Prismatic jaw

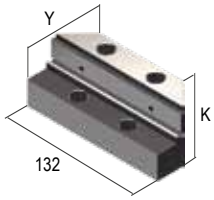




	1	2	3
ØA	7 ÷ 15	9 ÷ 20	12 ÷ 30
ØM	25 ÷ 70	35 ÷ 110	50 ÷ 160
Cod.	6.64.5F100	6.64.5F200	7.64.5F300

Art. 645T*
Ganascia GRIP Jaw





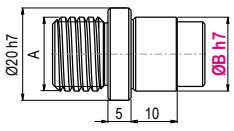
	1	2	3
Cod.	6.64.5T100	6.64.5T200	7.64.5T300

* Viti per fissaggio a richiesta Fixing screws on request

Tipo (grandezza) / Type (size)	1	2	3

Art. 79
Perno calibrato per centraggio e orientamento
Calibrated centering and orientation pin

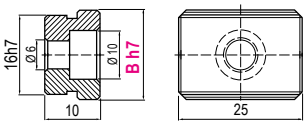




ØB	-	-	10-12-14-16-18-20
Cod.	-	-	7.79.20M16/ØB

Art. 297
Coppia di tasselli di posizionamento completi di vite M5 x 10
Pair of positioning key-nuts with M5 x 10 clamping screw

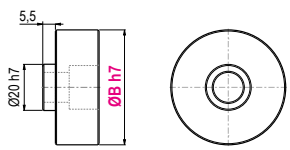




B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	-
Cod.	2.29.71000/B	-

Art. 640P
Perno calibrato per centraggio
Calibrated centering pin





ØB	20 - 30 - 38,1 - 50 - 50,8		
Cod.	7.64.0P100	7.64.0P200	7.64.0P300

* *Specificare sempre quota B - Specify always B dimension*

7

Tipo (grandezza) morsa / Vise type (size)	kN	1 20 kN	2 26 kN
Art. 640J *Tipo / Type* **1 e 2**	Ø A	30 ÷ 45	45 ÷ 70
	W	74	99
	B	60	80
	C	50	70
	D	Ø120	Ø160
	E	35	35
	F	92	120
	G	30	40
	H	156	208
	L	M12	M16
	M	Ø9	Ø11
	kg	5	10
	Cod.	7.64.0J100	7.64.0J200

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



Self-centering or eccentric vise.
Manual operation
Mechanical clamping

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 641H *Tipo / Type* **1**

Rialzo Semplice
Simple Riser



B	50	75	100
Cod.	7.64.1H100AL /50	7.64.1H100AL /75	7.64.1H100AL /100

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 641H *Tipo / Type* **2**

Rialzo Semplice
Simple Riser



B	50	75	100
Cod.	7.64.1H200AL /50	7.64.1H200AL /75	7.64.1H200AL /100

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 655B
Piastra ganascia dolce
Soft jaw-plate



Cod.	7.65.5B100	7.65.5B200

Art. 655C
Piastra ganascia liscia
Smooth jaw-plate



Cod.	7.65.5C100	7.65.5C200

Art. 655D
Piastra ganascia zigrinata
Serrated jaw-plate



Cod.	7.65.5D100	7.65.5D200

Art. 655F
Piastra ganascia prismatica
Prismatic jaw-plate



Ø	10 ÷ 18		10 ÷ 30
Cod.	7.65.5F118		7.65.5F230
Ø	15 ÷ 23	* 23 ÷ 30	25 ÷ 45
Cod.	7.65.5F123		7.65.5F245

* Per Ø 23÷30 ingombro max. (D1) = **132**mm Ø (anzichè 120mm)
For Ø 23÷30 max overall dimensin (D1) **Ø132**mm (instead of 120mm)

Art. 655J
Coppia di ganasce integrali prismatiche
Prismatic solid jaws (1 pair)



	30 ÷ 45	45 ÷ 70
Cod.	7.65.5J100	7.65.5J200

Da usare in coppia / To be used as a pair

In Dotazione - Standard Equipment

Dotazione standard:
- 1 chiave esagonale Art. 375 ■ 1 arresto laterale Art. 370
- 2 coppie di piastre Art. 655F (Tot. 4 pezzi) ■ 1 coppia di piastre dolci Art. 655B
- 1 coppia di tasselli di posizionamento Art. 297*
- 1 perno calibrato per centraggio Art. 640P*

*(Indicare dimensione in fase di ordine)



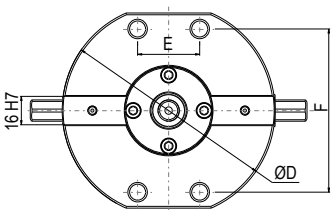
Standard equipment:
- 1 exagonal wrench Art. 375 ■ 1 workstop Art. 370
- 2 pair of plates Art. 655F (Tot. 4 pcs) ■ 1 pair soft jaw plates Art. 655B
- 1 pair of positioning key-nuts Art. 297*
- 1 calibrated centering pin Art. 640P*

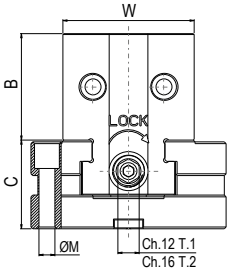
*(Dimension to be advised at order)

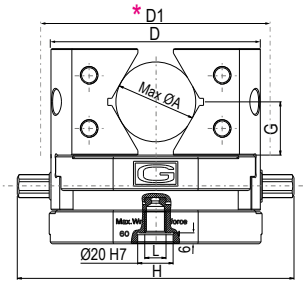
Art. 640J *Tipo / Type* **1 e 2**

Esempio di ordine: *Art. 640J tipo 2*
(Art.297 *16mm* + *Art.640P 30mm*)

Example of order: *Art. 640J type 2*
(*Art.297 16mm* + *Art.640P 30mm*)







Tipo (grandezza) morsa Vise type (size)	kN	3 30 kN
	Ø A	44 ÷ 68
	A1	-
	W	78
	B	75
	C	58
	D	166
	E	-
	G	45
	kg	15
	Cod.	7.64.0J310

Art. 640J

Tipo / Type **3 x 166**

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



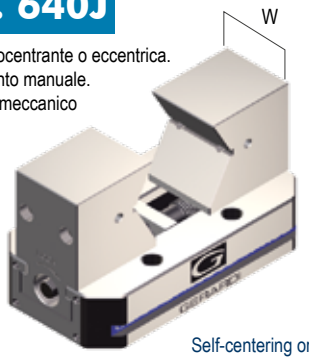
Self-centering or eccentric vise.
Manual operation
Mechanical clamping

Tipo (grandezza) morsa Vise type (size)	kN	3 30 kN
	Ø A	48 ÷ 102
	A1	66
	W	78
	B	95
	C	58
	D	266
	E	200
	G	55
	kg	22
	Cod.	7.64.0J320

Art. 640J

Tipo / Type **3 x 266**

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



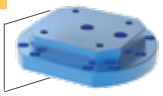
Self-centering or eccentric vise.
Manual operation
Mechanical clamping

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 641H

Tipo / Type **3 x 166**

Rialzo Semplice
Simple Riser



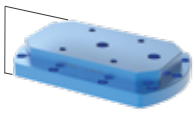
B	50	75	100
Cod.	7.64.1H3166AL /50	7.64.1H3166AL /75	7.64.1H3166AL /100

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 641H

Tipo / Type **3 x 266**

Rialzo Semplice
Simple Riser



B	50	75	100
Cod.	7.64.1H3266AL /50	7.64.1H3266AL /75	7.64.1H3266AL /100

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 655B

Piastra ganascia dolce
Soft jaw-plate



Cod.	7.65.5B316

Art. 655C

Piastra ganascia liscia
Smooth jaw-plate



Cod.	7.65.5C316

Art. 655D

Piastra ganascia zigrinata
Serrated jaw-plate



Cod.	7.65.5D316

Art. 655F

Piastra ganascia prismatica
Prismatic jaw-plate



Tipo / Type **3 x 166** **Ø Min / Ø Max**	12 ÷ 32	14 ÷ 34	16 ÷ 36	18 ÷ 45
Tipo / Type **3 x 266** **Ø Min / Ø Max**	12 ÷ 38	14 ÷ 48	16 ÷ 58	24 ÷ 65
Cod	7.65.5F330	7.65.5F335	7.65.5F345	7.65.5F350

Art. 655J

Coppia di ganasce integrali prismatiche
Prismatic solid jaws (1 pair)

Da usare in coppia / To be used as a pair

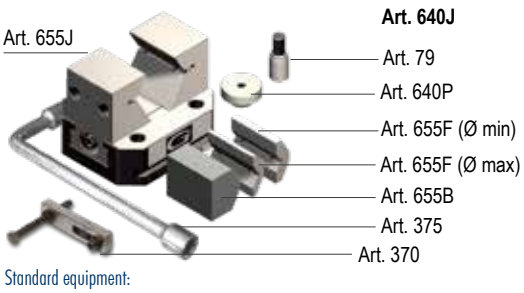


Ø	44 ÷ 68	48 ÷ 102
Cod.	7.65.5J316	7.65.5J326

In Dotazione - Standard Equipment

Dotazione standard:
- 1 chiave a pipa Art. 375 ■ 1 arresto laterale Art. 370
- 2 coppie di piastre Art. 655F (Tot. 4 pezzi) ■ 1 coppia di piastre dolci Art. 655B
- 1 perno calibrato per centraggio e orientamento Art. 79*
- 1 perno calibrato per centraggio Art. 640P *

*(Indicare dimensione in fase di ordine)



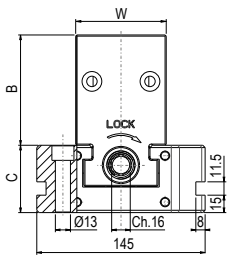
Standard equipment:
- 1 box wrench Art. 375 ■ 1 workstop Art. 370
- 2 pair of plates Art. 655F (Tot. 4 pcs) ■ 1 pair soft jaw plates Art.655B
- 1 calibrated centering and orientation pin Art. 79* ■ 1 calibrated centering pin Art. 640P*

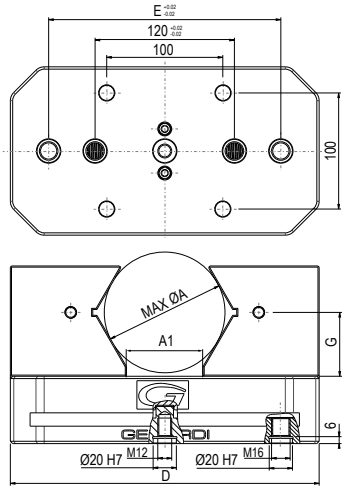
*(Dimension to be advised at order)

Art. 640J

Tipo / Type **3**

Esempio di ordine: *Art.640J tipo 3 x 266*
(Art.79 *20mm* + *Art.640P 30mm*)
Example of order: *Art.640J type 3 x 266*
(*Art.79 20mm* + *Art.640P 30mm*)





7

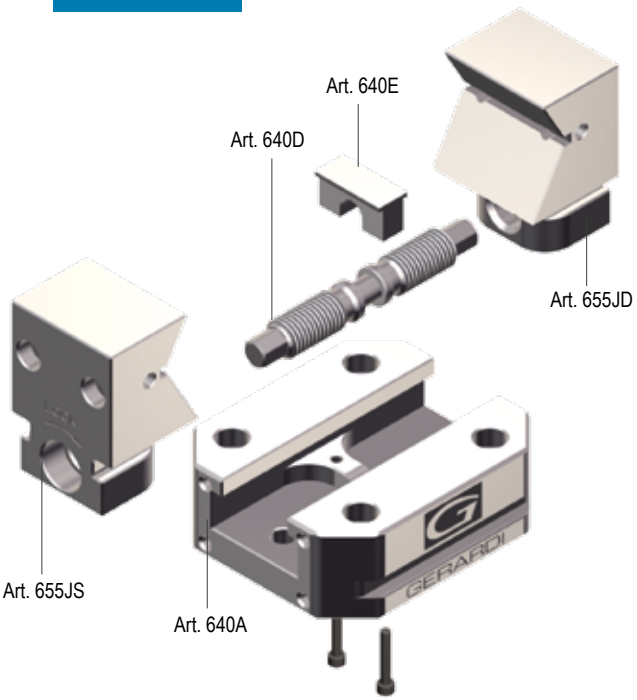
Art. 640J

Tipo / Type **1 e 2**



Art. 640J

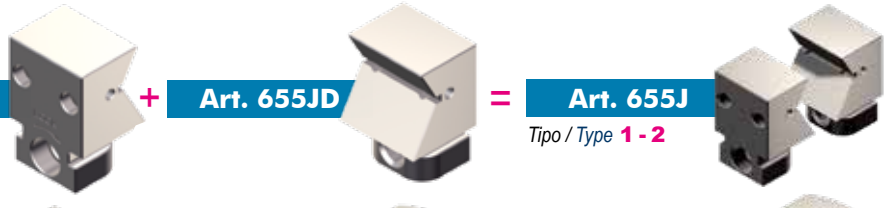
Tipo / Type **3**



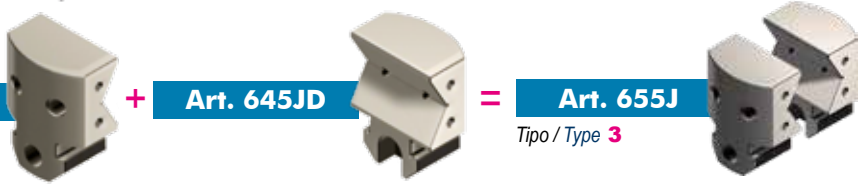
Tipo (grandezza) / Type (size)	1	2
Art. 641 Corpo base / Base body	Cod. 6.64.11000	6.64.12000
Art. 644 Vite di bloccaggio / Main screw	Cod. 6.64.41000	6.64.42000
Art. 645JD* Ganascia integrale prismatica dx / Solid prismatic right jaw	Cod. 7.64.5JD10	7.64.5JD20
Art. 645JS* Ganascia integrale prismatica sx / Solid prismatic left jaw	Cod. 7.64.5JS10	7.64.5JS20
Art. 646 Forcella / Yoke	Cod. 6.64.61000	6.64.462000

Tipo (grandezza) / Type (size)	3x166	3x266
Art. 640A Corpo base / Base body	Cod. 7.64.0A3166	7.64.0A3266
Art. 640D Vite di bloccaggio / Main screw	Cod. 7.64.0D3166	7.64.0D3266
Art. 640E Forcella / Yoke	Cod. 7.64.0E3166	7.64.0E3266
Art. 655JD* Ganascia integrale prismatica dx / Solid prismatic right jaw	Cod. 7.65.5JD316	7.65.5JD326
Art. 655JS* Ganascia integrale prismatica sx / Solid prismatic left jaw	Cod. 7.65.5JS316	7.65.5JS326

* **Art. 655JS** + **Art. 655JD** = **Art. 655J** *Tipo / Type* **1 - 2**



* **Art. 645JS** + **Art. 645JD** = **Art. 655J** *Tipo / Type* **3**



GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.640J

JAWS & JAW PLATES FOR MULTITASKING VISES Art.640J

Tipo (grandezza) / Type (size)		1	2	3	
Art. 655J	W	74	99	78	78
Tipo / Type **1 - 2**	K	60	80	75	95
Coppia di ganasce integrali prismatiche	X	49	59	59	95
Prismatic solid jaws (1 pair)	Ø	30 ÷ 45	45 ÷ 70	44 ÷ 68	48 ÷ 102
	Cod.	7.65.5J100	7.65.5J200	7.65.5J316	7.65.5J326
		In Dotazione - Standard Equipment			
Art. 655J					
Tipo / Type **3**		In Dotazione - Standard Equipment			
Art. 655B	K	55	70	60	
Piastra ganascia dolce	X	38	54	49	
Soft jaw-plate	Cod.	7.65.5B100	7.65.5B200	7.65.5B316	
Art. 655C	K	55	70	60	
Piastra ganascia liscia	X	23	32	24	
Smooth jaw-plate	Cod.	7.65.5C100	7.65.5C200	7.65.5C316	
Art. 655D	K	55	70	60	
Piastra ganascia zigrinata	X	23	32	24	
Serrated jaw-plate	Cod.	7.65.5D100	7.65.5D200	7.65.5D316	

Tipo (grandezza) / Type (size)		1	2	3x166	3x266
Art. 655F	K	43	54	60	60
Piastra ganascia prismatica	X	17	22	24	24
Prismatic jaw-plate	Ø	10 ÷ 18	10 ÷ 30	12 ÷ 32	12 ÷ 38
	Cod.	7.65.5F118	7.65.5F230	7.65.5F330	
	Ø	15÷23-23÷30 *	25 ÷ 45	14 ÷ 34	12 ÷ 38
	Cod.	7.65.5F123	7.65.5F245	7.65.5F335	
	Ø	-	-	16 ÷ 36	16 ÷ 58
	Cod.	-	-	7.65.5F345	
	Ø	-	-	18 ÷ 45	24 ÷ 65
	Cod.	-	-	7.65.5F350	

* Per Ø 23÷30 ingombro max. (D1) = **132**mm Ø (anzichè 120mm)
For Ø 23÷30 max overall dimension (D1) Ø**132**mm (instead of 120mm)

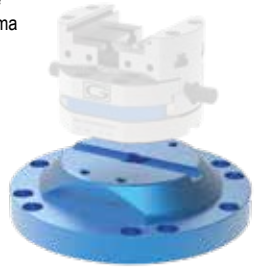
Tipo (grandezza) / Type (size)		1	2	3
Art. 79	ØB	-	-	10-12-14-16-18-20
Perno calibrato per centraggio e orientamento	Cod.	-	-	7.79.20M16/ØB
Calibrated centering and orientation pin				
Art. 297	B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36		-
Coppia di tasselli di posizionamento completi di vite M5 x 10	Cod.	2.29.71000/B		-
Pair of positioning key-nuts with M5 x 10 clamping screw				
Art. 640P	ØB	30 - 38,1 - 50 - 50,8		
Perno calibrato per centraggio	Cod.	7.64.0P100	7.64.0P200	7.64.0P300
Calibrated centering pin				

* ***Specificare sempre quota B - Specify always B dimension***

7

RIALZI IN ALLUMINIO PER MORSE ART.640
ALUMINUM RISERS FOR VISES ART.640

NEW 2021

Tipo (grandezza) rialzo Riser type		**1**			**2**		
Art. 641H *Tipo / Type* **1 e 2**	ØA	120			160		
Rialzo semplice, compatibile con il sistema Zero Point	B	50	75	100	50	75	100
	kg	3	4,5	5,4	3,5	4,9	6,4
	Cod.	7.64.1H100AL/050	7.64.1H100AL/075	7.64.1H100AL/100	7.64.1H200AL/050	7.64.1H200AL/075	7.64.1H200AL/100
Simple riser Zero Point ready							

Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignement kit **not included**

Tipo (grandezza) rialzo / Riser type (size)		**3 x 166**		
Art. 641H *Tipo / Type* **3 x 166**	A	166		
Rialzo semplice, compatibile con il sistema Zero Point	B	50	75	100
	C	230		
	D	190		
	kg	3,8	5,3	6,8
	Cod.	7.64.1H3166AL/050	7.64.1H3166AL/075	7.64.1H3166AL/100
Simple riser Zero Point ready				

Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignement kit **not included**

Tipo (grandezza) rialzo / Riser type (size)		**3 x 266**		
Art. 641H *Tipo / Type* **3 x 266**	A	266		
Rialzo semplice, compatibile con il sistema Zero Point	B	50	75	100
	C	310		
	D	286		
	kg	5,8	8,3	10,7
	Cod.	7.64.1H3266AL/050	7.64.1H3266AL/075	7.64.1H3266AL/100
Simple riser Zero Point ready				

Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignement kit **not included**

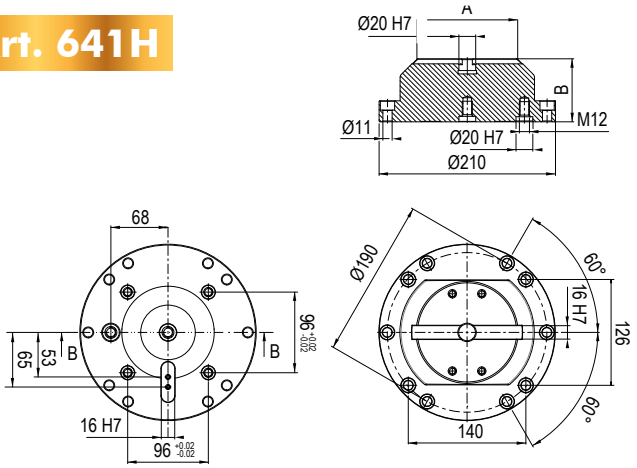
NEW 2021

PIASTRE di INTERFACCIA
INTERFACE PLATES

NEW 2021

Tipo (grandezza) Riser (type) size	1 e 2

Art. 641H

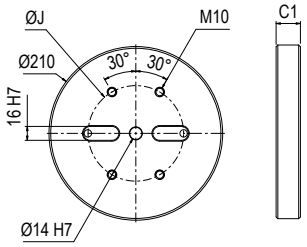


Tipo (grandezza) Riser (type) size	1 e 2
ØJ	190
C1	28
Cod.	7.62.K641H21

Art. 62K
Multitasking

Piastra di interfaccia lavorabile
Machineable interface plate

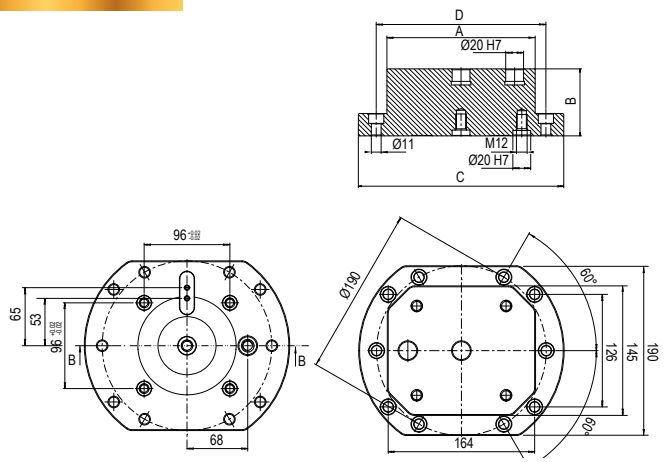




Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza) Riser (type) size	3 x 166

Art. 641H

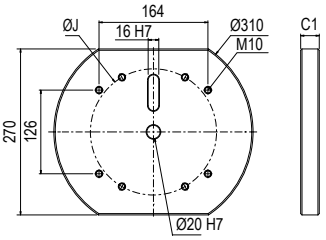


Tipo (grandezza) Riser (type) size	3 x 166
ØJ	190
C1	28
Cod.	7.62.K641H31

Art. 62K
Multitasking

Piastra di interfaccia lavorabile
Machineable interface plate

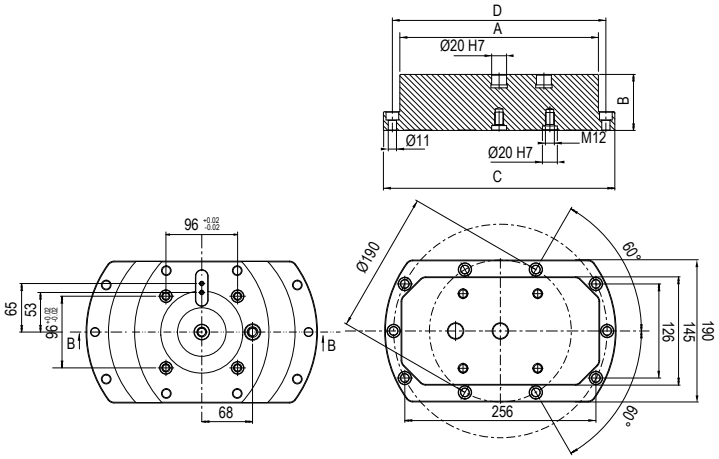




Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza) Riser (type) size	3 x 266

Art. 641H

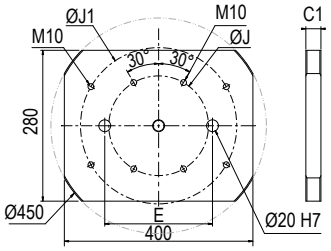


Tipo (grandezza) Riser (type) size	3 x 266
ØJ	260
C1	28
Cod.	7.62.K641H45

Art. 62K
Multitasking

Piastra di interfaccia lavorabile
Machineable interface plate



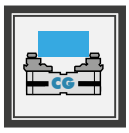


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

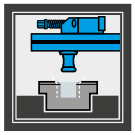
7

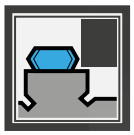
MORSE COMPACT GRIP
COMPACT GRIP VISES

Esempi applicativi su centri a 5 assi - Application example on 5 axis machine


Morse Compact Grip
Compact Grip vises


lavorazioni a 5 assi
5 axis machining


Predisposizione
Zero Point
Zero Point ready

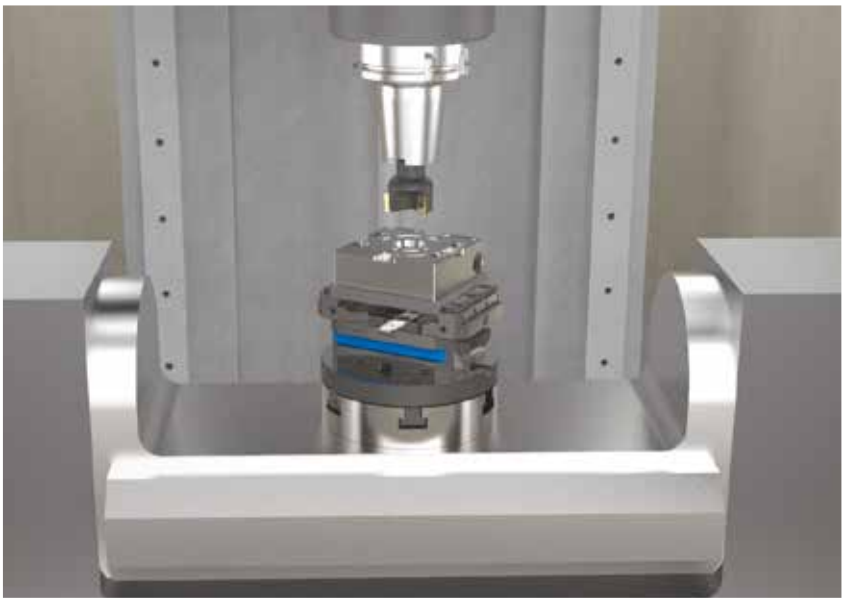

Inserti GRIP
GRIP inserts

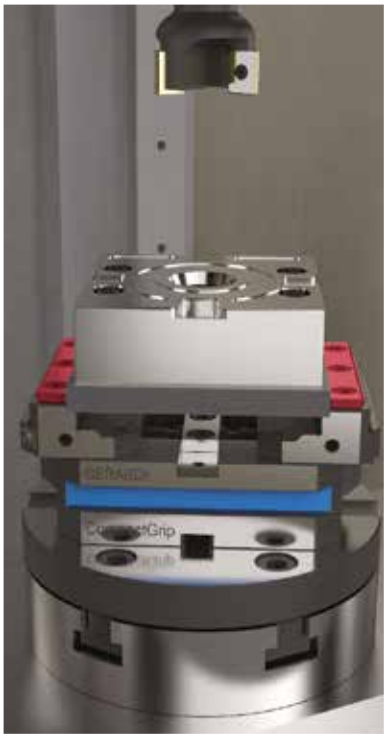


Art.650 Compact Grip

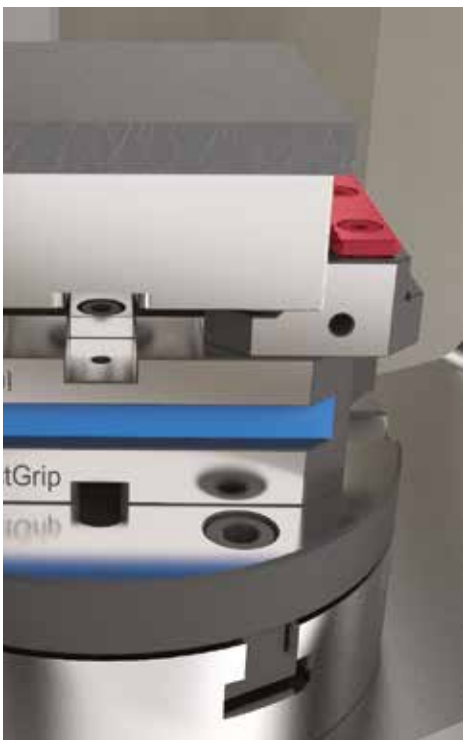
La novità assoluta per centri a 5 assi e sistemi multipli sono le morse autocentranti Compact Grip. Il loro nome accosta le principali peculiarità della morsa date dall'estrema compattezza e maneggevolezza al nome del sistema di inserti che adotta, cosidetto "GRIP". Questo sistema consiste in una gamma di inserti ganascia modulari montati sopra al corpo ganascia principale con la funzione di serrare il particolare da lavorare tramite dei dentini affilati o conformati a seconda del tipo di materiale e di durezza.

The absolute news for 5 axis machine centres and new multiclamping system are the self-centering Compact Grip vises. Their name indentifies the main vise features which are the extreme compactness and easiest handling and the system of inserts which adopts,
so called "GRIP". This system includes a range of jaw plates assembled on the top of the main jaw with the function of clamping the workpiece through sharp or duly shaped teeth according to the material type and hardness to clamp.



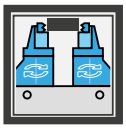

Tramite l'inserto Grip si esegue la sgrossatura e la finitura del pezzo sui cinque lati.
Through the Grip insert you can rough mill and finish the workpiece on five sides.


Dettaglio Inserto Grip.
Insert Grip detail.


Tramite il gradino liscio della ganascia si rimuove il sovrametallo rimanente e si finisce il particolare
Then through the smooth jaw step you can remove the remaining stock allowance from th e workpiece and finish the workpiece

MORSE FMS
FMS VISES

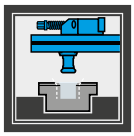
Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



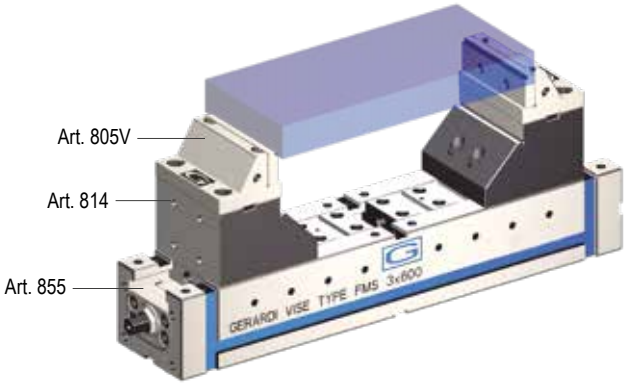
Ganasce alte e rialzate
High and raised jaws



lavorazioni a 5 assi
5 axis machining



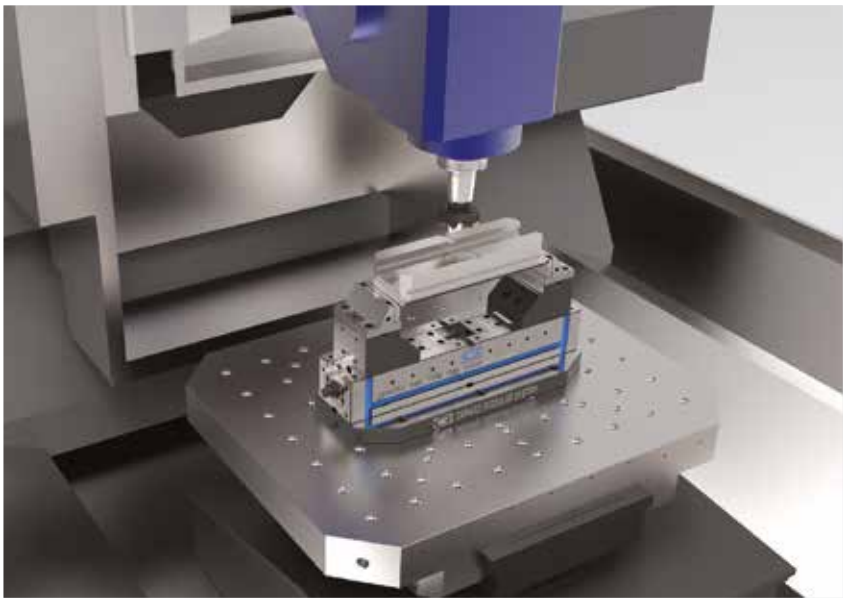
Predisposizione
Zero Point
Zero Point ready

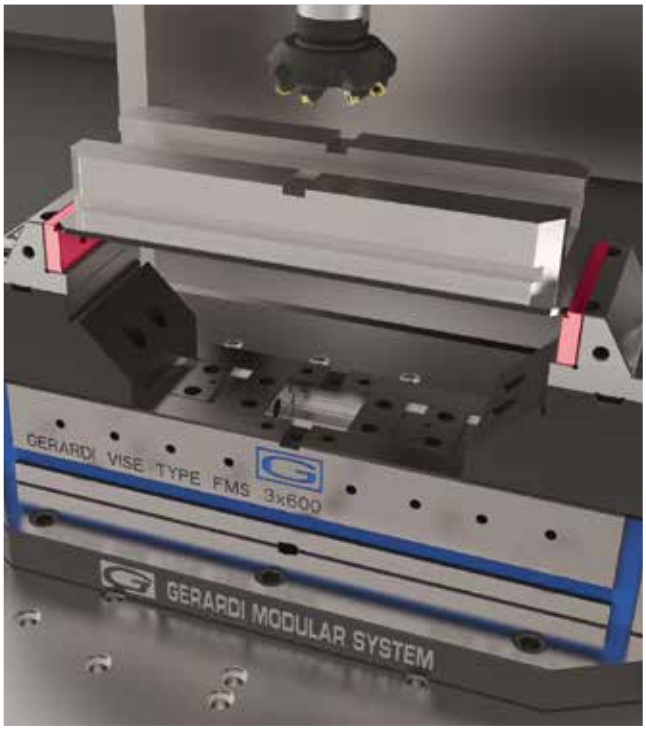


Art.868 FMS series

Grazie all'estrema versatilità del sistema modulare Gerardi anche le morse FMS, adeguatamente riconfigurate, possono rientrare nella cosidetta categoria di morse Multitasking per centri di lavoro a 5 assi.
Basterà quindi montare la base mobile Art.814 con le relative ganasce Art.805V sul modulo base universale Art.855.

Thanks to the extreme versatility of the Gerardi Modular System even the FMS vises, properly reconfigured, can be used as Multitasking vises for 5 axis machine centres.
It will be enough to assemble the movable base Art.814 with the Art.805V jaws on the universal vise base module Art.855





Particolare sollevato tramite base mobile Art.814
Workpiece raised by movable base Art.814

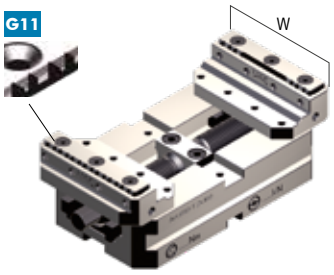


Dettaglio serraggio tramite piastrina GRIP Art.247T
Detail of clamping by GRIP jaw plate Art.247T

Tipo (grandezza) morsa / Vise type (size)	kN	1 12 kN		2 22 kN
Art. 650 *Tipo / Type* **1x120**	A	54	94	134
Morsa Autocentrante con ganasce reversibili, ideale per centri a 5 assi.	W	50	50	50
	E	80	120	160
	kg	1,9	2,7	3,4
	Cod.	7.65.01080	7.65.01120	7.65.01160
Self-centering vise. with reversible jaws, Ideal for five axis centres.				



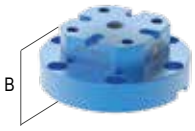
Art. 650 *Tipo / Type* **2x160**



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 651H *Tipo / Type* **1**

Rialzo Semplice
Simple Riser



B	100		
Cod.	7.65.1H1080 / 100	7.65.1H1120 / 100	7.65.1H1160 / 100

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 651H *Tipo / Type* **2**

Rialzo Semplice
Simple Riser



Kit di fissaggio e allinamento morsa **incluso**

Art. 660 *Interasse / Type* **52 mm**

Tavola Quick change
Quick change table



Cod. 9.66.05200

Vedi gamma completa - See the complete range Page 7.32 / 7.33

Art. 660 *Interasse / Type* **52 mm**

Tavola Quick change
Quick change table



Vedi gamma completa Pag. 7.32 / 7.33

Art. 650X

Ganascia fissa intermedia
Intermedie fixie jaw



Cod. 7.65.0X1000

Art. 650X

Ganascia fissa intermedia
Intermedie fixie jaw



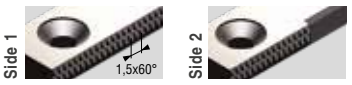
In fase d'ordine specificare il tipo di inserto, vedi pag. 7.27 / In case of order always specify the type of insert, see page 7.27

Art. 650T G01

Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 1,5mm)



Cod. 7.65.0T100/01

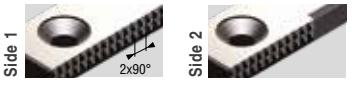


Art. 650T G02

Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 2mm)



Cod. 7.65.0T100/02



Art. 650T G11

Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 11mm)



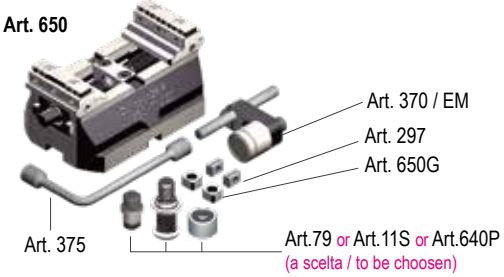
Cod. 7.65.0T100/11



Dotazione standard:

■ 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G*
■ 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.11S oppure 1 perno calibrato per centraggio Art.640P*
* (Indicare dimensione in fase di ordine)

Art. 650

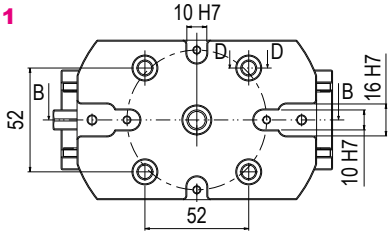


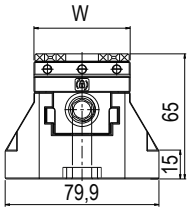
Standard equipment:

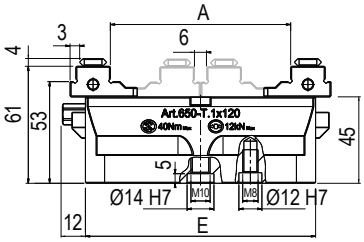
■ 1 box wrench Art.375 ■ 1 workstop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
■ 2 positioning key-nuts Art.650G* ■ 1 calibrated centering and orientation pin Art.79 or 1 pull stud for zero point Art.11S or 1 calibrated centering pin Art.640P*
*(Dimension to be advised at order)

Art. 650 *Tipo / Type* **1**

Esempio di ordine: *Art. 650 tipo 1x80*
(Art.650G *16mm* + *Art.640P 30mm*)
Example of order: *Art. 650 type 1x80*
(*Art.650G 16mm* + *Art.640P 30mm*)





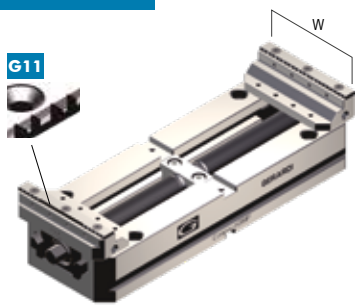


kN	2 22 kN				3 32 kN				
A	96	136	176	216	133	183	233	283	333
W	88	88	88	88	123	123	123	123	123
E	120	160	200	240	160	210	260	310	360
kg	3,6	4,4	5,2	5,8	9,1	10,9	12,8	14,8	17
Cod.	7.65.02120	7.65.02160	7.65.02200	7.65.02240	7.65.03160	7.65.03210	7.65.03260	7.65.03310	7.65.03360

Art. 650

Tipo / Type **3x310**

G11



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

B	100				100				
Cod.	7.65.1H2120 / 100	7.65.1H2160 / 100	7.65.1H2200 / 100	7.65.1H2240 / 100	7.65.1H3160 / 100	7.65.1H3210 / 100	7.65.1H3260 / 100	7.65.1H3310 / 100	7.65.1H3360 / 100

Vise fixing and allignement kit **included**

Art. 651H

Tipo / Type **3**

Rialzo Semplice
Simple Riser



Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 660

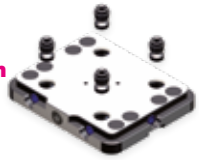
Cod.	9.66.05200	9.66.09600

See the complete range Page 7.32 / 7.33

Art. 660

Interasse / Type **96 mm**

Tavola Quick change
Quick change table



Vedi gamma completa - See the complete range Page 7.32 / 7.33

Cod.	7.65.0X2000	7.65.0X3000

Art. 650X

Ganascia fissa intermedia
Intermedie fixie jaw



In fase d'ordine specificare il tipo di inserto, vedi pag. 7.27 / In case of order always specify the type of insert, see page 7.27

Cod.	7.65.0T200/01	7.65.0T300/01

Art. 650T G01

Per materiali di durezza normale
For standard workpieces hardness clamping

Cod.	7.65.0T200/02	7.65.0T300/02

Art. 650T G02

Per materiali di notevole durezza
For hardened workpieces clamping

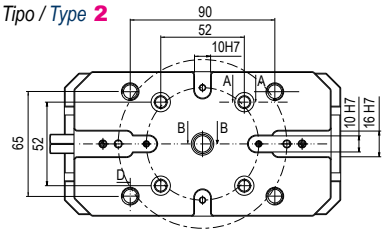
Cod.	7.65.0T200/11	7.65.0T300/11

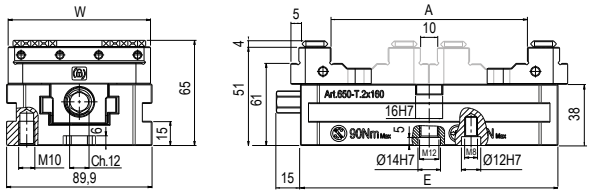
Art. 650T G11

Per materiali teneri
For soft material clamping

Art. 650

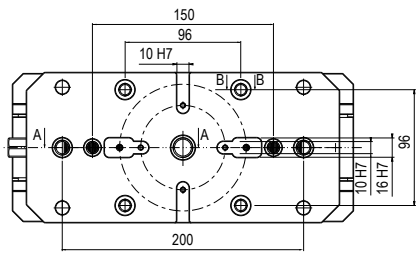
Tipo / Type **2**

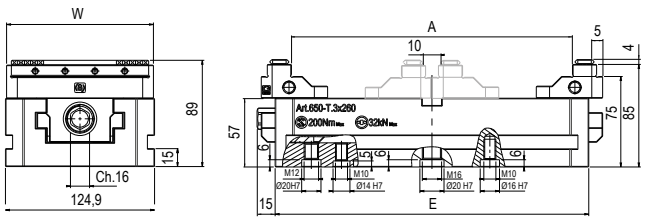




Art. 650

Tipo / Type **3**



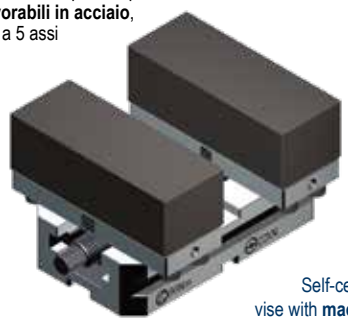


Tipo (grandezza) morsa / Vise (type) size	kN	2 22 kN			
	A	45	85	125	165
	W	128			
	B	93			
	C	38			
	C1	53			
	D	89,9			
	E	120	160	200	240
	F	52			
	G	49			
	L	Ø12			
	L1	M8			
	kg	7,9	8,6	9,4	10,1
	Cod.	7.95.02120	7.95.02160	7.95.02200	7.95.02240

Art. 950

Tipo / Type **2x160**

Morsa Autocentrante Compact Grip con ganasce **lavorabili in acciaio**, ideale per centri a 5 assi



Self-centering Compact Grip vise with **machineable steel jaws**, Ideal for five axis centres.

Per morsa T.1 utilizzare ganasacia Art.650BM / CM (pag.7.30) / For vise T.1 use jaw Art.650BM / CM (see pag. 7.30)

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 651H

Tipo / Type **2**

Rialzo Semplice
Simple Riser



B	100			
Cod.	7.65.1H2120 / 100	7.65.1H2160 / 100	7.65.1H2200 / 100	7.65.1H2240 / 100

Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 660

Interasse / Type **52 mm**

Tavola Quick change
Quick change table

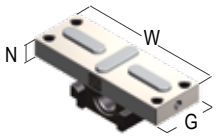


Vedi gamma completa - See the complete range Page 7.32 / 7.33

Cod.	9.66.05200

Art. 950B

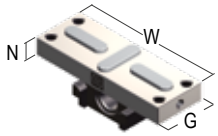
Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT HAND** with positioning key nuts



Cod.	7.95.0B2000

Art. 950C

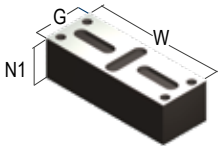
Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT HAND** with positioning key nuts



Cod.	7.95.0C2000

Art. 950D

Ganascia lavorabile in acciaio
Machineable steel jaw



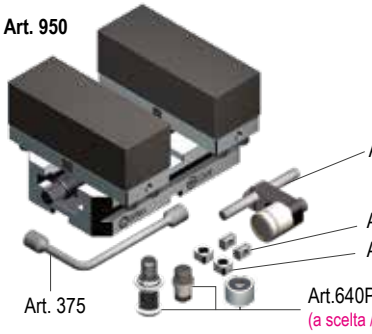
Cod.	7.95.0D200

Dotazione standard:

■ 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G* ■ 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.11S oppure 1 perno calibrato per centraggio Art.640P *

* (Indicare dimensione in fase di ordine)

Art. 950



Standard equipment:

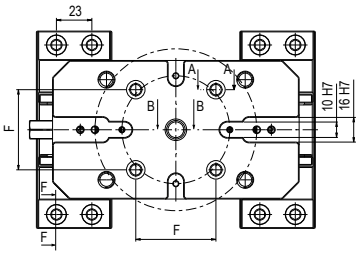
■ 1 box wrench Art.375 ■ 1 workstop Art.370EM ■ 1 pair of self-centring key-nuts Art. 297
■ 2 positioning key-nuts Art.650G* ■ 1 calibrated centering and orientation pin Art.79 or 1 pull stud for zero point Art.11S or 1 calibrated centering pin Art.640P*
*(Dimension to be advised at order)

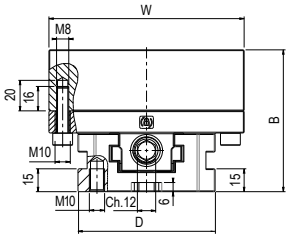
Art. 950

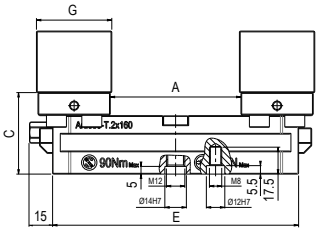
Tipo / Type **2**

Esempio di ordine: *Art. 950 tipo 2x120*
(Art.650G *16mm* + *Art.640P 30mm*)

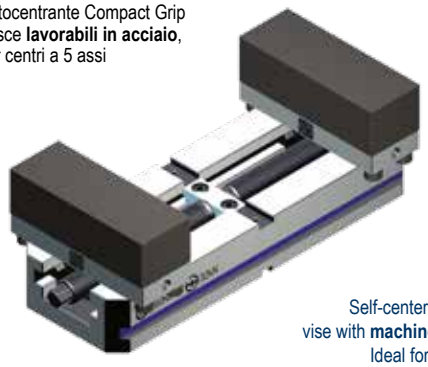
Example of order: *Art. 950 type 2x120*
(*Art.650G 16mm* + *Art.640P 30mm*)







Tipo (grandezza) morsa / Vise (type) size	kN	3				
		32 kN				
Art. 950 *Tipo / Type* **3x360**	A	71	121	171	221	271
	W			160		
	B			124		
	C			57		
	C1			77		
	D			124,9		
	E	160	210	260	310	360
	F			96		
	G			59		
	L			Ø16		
	L1			M10		
	kg	16.8	18.6	20.5	22.5	24.4
Morsa Autocentrante Compact Grip con ganasce **lavorabili in acciaio**, ideale per centri a 5 assi	Cod.	7.95.03160	7.95.03210	7.95.03260	7.95.03310	7.95.03360
Self-centering Compact Grip vise with **machineable steel jaws**, Ideal for five axis centres.						



Per morsa T.1 utilizzare ganasacia Art.650BM / CM (pag.7.30) / For vise T.1 use jaw Art.650BM / CM (see pag. 7.30)

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

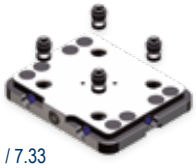
Art. 651H
Tipo / Type **3**
Rialzo Semplice
Simple Riser



B	100				
Cod.	7.65.1H3160 / 100	7.65.1H3210 / 100	7.65.1H3260 / 100	7.65.1H3310 / 100	7.65.1H3360 / 100

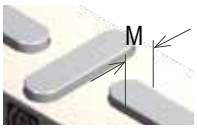
Kit di fissaggio e allinamento morsa **incluso** - Vise fixing and allignement kit **included**

Art. 660
Interasse / Type **96 mm**
Tavola Quick change
Quick change table
Vedi gamma completa - See the complete range Page 7.32 / 7.33



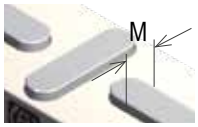
Cod. 9.66.09600

Art. 950B
Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT**
HAND with positioning key nuts



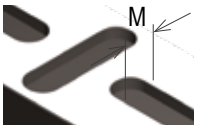
Cod. 7.95.0B3000

Art. 950C
Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT**
HAND with positioning key nuts



Cod. 7.95.0C3000

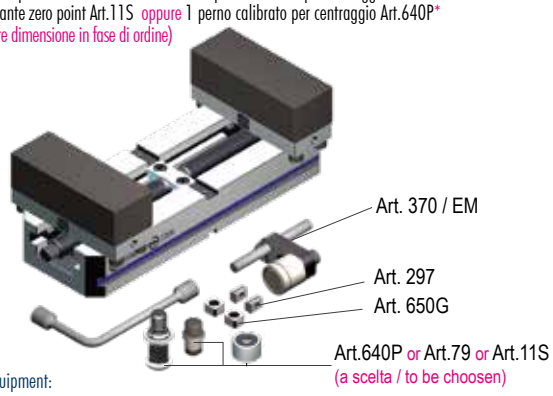
Art. 950D
Ganascia lavorabile in acciaio
Machineable steel jaw



Cod. 7.95.0D300

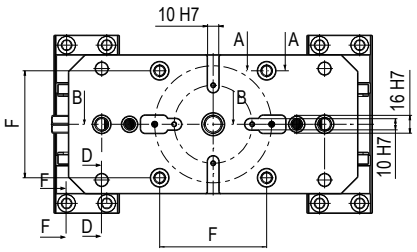
Dotazione standard:
■ 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297
■ 2 tasselli di posizionamento Art.650G* ■ 1 perno calibrato per centraggio e orientamento Art.79
oppure 1 tirante zero point Art.11S oppure 1 perno calibrato per centraggio Art.640P*
* (Indicare dimensione in fase di ordine)

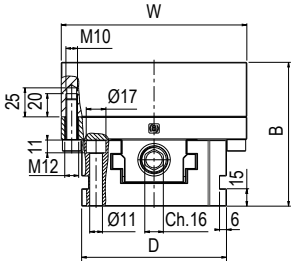
Art. 950

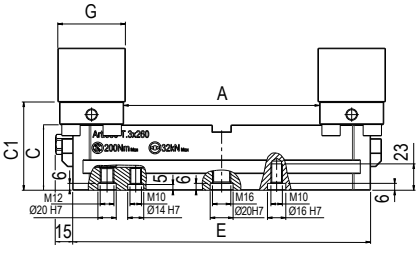


Standard equipment:
■ 1 box wrench Art.375 ■ 1 workstop Art.370EM ■ 1 pair of self-centring key-nuts Art. 297
■ 2 positioning key-nuts Art.650G* ■ 1 calibrated centering and orientation pin Art.79
or 1 pull stud for zero point Art.11S or 1 calibrated centering pin Art.640P*
*(Dimension to be advised at order)

Art. 950
Tipo / Type **3**

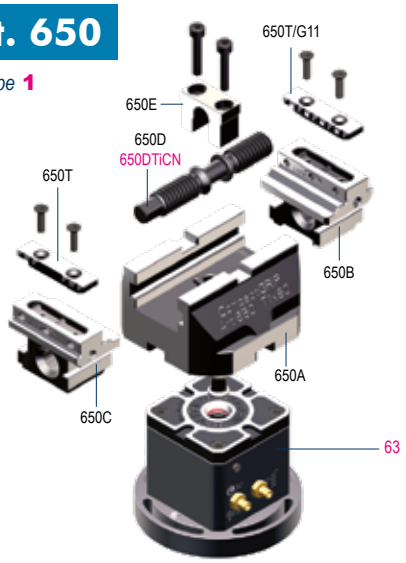






Art. 650

Tipo / Type **1**

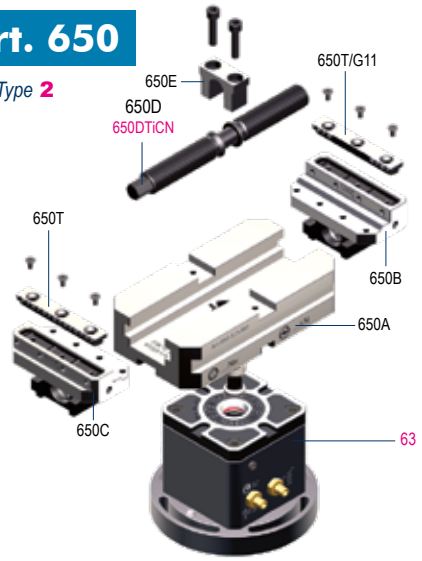


Tipo / Type 1		1x80	1x120	1x160
Art. 650A Corpo base - Base body	Cod.	7.65.0A1080	7.65.0A1120	7.65.0A1160
Art. 650B Ganascia integrale destra Solid jaw right hand	Cod.		7.65.0B1000	
Art. 650C Ganascia integrale sinistra Solid jaw left hand	Cod.		7.65.0C1000	
Art. 650D Vite di bloccaggio - Main screw	Cod.	7.65.0D1080	7.65.0D1120	7.65.0D1160
Art.650DTiCN *(Optional)* Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	Cod.	7.65.0D1080-TCN	7.65.0D1120-TCN	7.65.0D1160-TCN
Art. 650E Forcella - Yoke	Cod.		7.65.0E1000	

Tipo / Type		1	2
Art. 63 *(Optional)* Rialzo singolo con Zero Point Risers with ZeroPoint	Cod.	9.63.10000	9.63.20000

Art. 650

Tipo / Type **2**

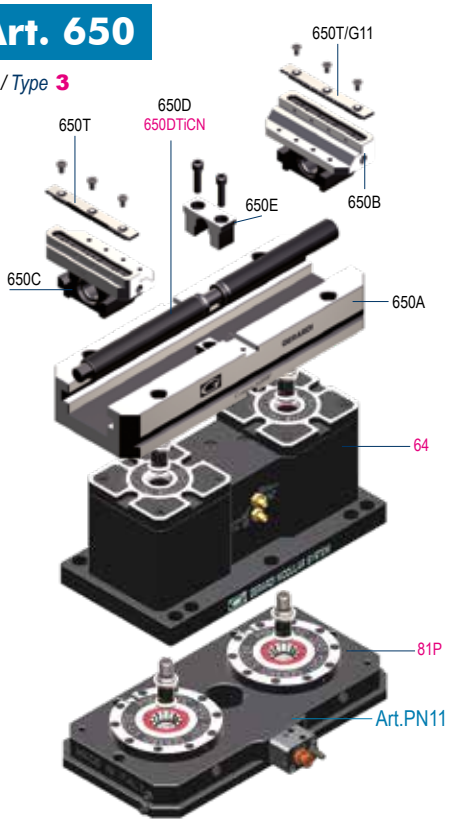


Tipo / Type 2		2x120	2x160	2x200	2x240
Art. 650A Corpo base - Base body	Cod.	7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Art. 650B Ganascia integrale destra Solid jaw right hand	Cod.		7.65.0B2000		
Art. 650C Ganascia integrale sinistra Solid jaw left hand	Cod.		7.65.0C2000		
Art. 650D Vite di bloccaggio - Main screw	Cod.	7.65.0D2120	7.65.0D2160	7.65.0D2200	7.65.0D2240
Art.650DTiCN *(Optional)* Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	Cod.	7.65.0D2120 -TCN	7.65.0D2160 -TCN	7.65.0D2200 -TCN	7.65.0D2240 -TCN
Art. 650E Forcella - Yoke	Cod.		7.65.0E2000		

Tipo / Type		1	2
Art. 63 *(Optional)* Rialzo singolo con Zero Point Risers with ZeroPoint	Cod.	9.63.10000	9.63.20000

Art. 650

Tipo / Type **3**



Tipo / Type 3		3x160	3x210	3x260	3x310	3x360
Art. 650A Corpo base - Base body	Cod.	7.65.0A3160	7.65.0A3210	7.65.0A3260	7.65.0A3310	7.65.0A3360
Art. 650B Ganascia integrale destra Solid jaw right hand	Cod.			7.65.0B3000		
Art. 650C Ganascia integrale sinistra Solid jaw left hand	Cod.			7.65.0C3000		
Art. 650D Vite di bloccaggio - Main screw	Cod.	7.65.0D3160	7.65.0D3210	7.65.0D3260	7.65.0D3310	7.65.0D3360
Art.650DTiCN *(Optional)* Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	Cod.	7.65.0D3160 -TCN	7.65.0D3210 -TCN	7.65.0D3260 -TCN	7.65.0D3310 -TCN	7.65.0D3360 -TCN
Art. 650E Forcella - Yoke	Cod.			7.65.0E3000		

Tipo / Type		1	2
Art. 64 *(Optional)* Rialzo doppio con Zero Point Double riser with Zero Point	Cod.	9.64.10000	9.64.20000

Non utilizzabile con morse tipo 3x160 - Impossible to use with vises type 3x160

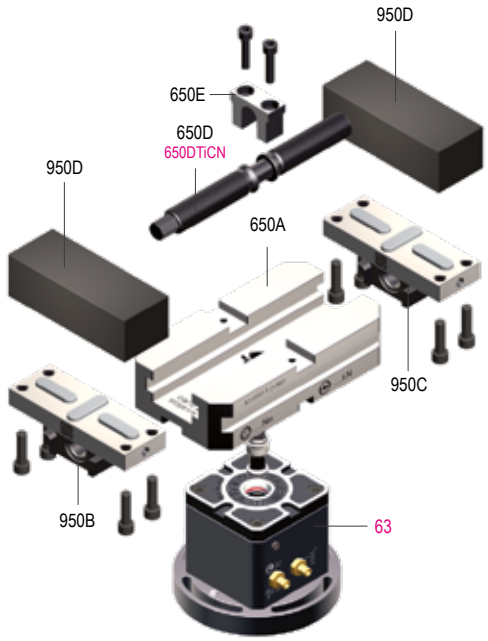
Piastra ZeroPoint, montaggio incassato - ZeroPoint Plates, built-in mounting

		Acciaio Steel	Alluminio Aluminum
Art. 81P *(Optional)* Piastra di interfaccia Zero Point per morse CompactGrip tipo 3 Zero Point connecting plate for CompactGrip vise Type 3	Cod.	9.81.P2040S2	9.81.P2040A2

Non utilizzabile con morse tipo 3x160 / 3x210 - Impossible to use with vises type 3x160 / 3x210

Art. 950

Tipo / Type **2**

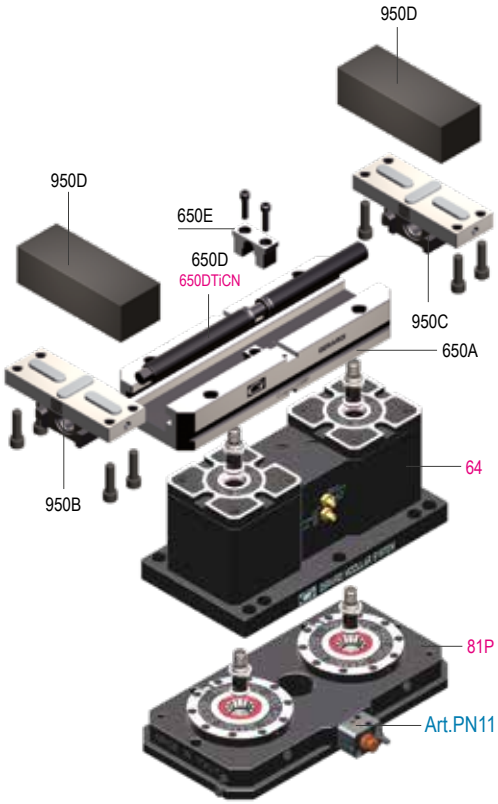


Tipo / Type 2		2x120	2x160	2x200	2x240
Art. 650A Corpo base - Base body	Cod.	7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Art. 950B Ganascia integrale destra Solid jaw right hand	Cod.	7.95.0B2000			
Art. 950C Ganascia integrale sinistra Solid jaw left hand	Cod.	7.95.0C2000			
Art. 650D Vite di bloccaggio - Main screw	Cod.	7.65.0D2120	7.65.0D2160	7.65.0D2200	7.65.0D2240
Art.650DTiCN *(Optional)* Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	Cod.	7.65.0D2120 -TCN	7.65.0D2160 -TCN	7.65.0D2220 -TCN	7.65.0D2240 -TCN
Art. 650E Forcella - Yoke	Cod.	7.65.0E2000			
Art. 950D Ganascia lavorabile in acciaio Machineable steel jaw	Cod.	7.95.0D2000			

Tipo / Type		1	2
Art. 63 *(Optional)* Rialzo singolo con Zero Point Risers with ZeroPoint	Cod.	9.63.10000	9.63.20000

Art. 950

Tipo / Type **3**



Tipo / Type 3		3x160	3x210	3x260	3x310	3x360
Art. 650A Corpo base - Base body	Cod.	7.65.0A3160	7.65.0A3210	7.65.0A3260	7.65.0A3260	7.65.0A3360
Art. 950B Ganascia integrale destra Solid jaw right hand	Cod.	7.95.0B3000				
Art. 950C Ganascia integrale sinistra Solid jaw left hand	Cod.	7.95.0C3000				
Art. 650D Vite di bloccaggio - Main screw	Cod.	7.65.0D3160	7.65.0D3210	7.65.0D3260	7.65.0D3310	7.65.0D3360
Art.650D TiCN *(Optional)* Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	Cod.	7.65.0D3160 -TCN	7.65.0D3210 -TCN	7.65.0D3260 -TCN	7.65.0D3310 -TCN	7.65.0D3360 -TCN
Art. 650E Forcella - Yoke	Cod.	7.65.0E3000				
Art. 950D Ganascia lavorabile in acciaio Machineable steel jaw	Cod.	7.95.0D3000				

Tipo / Type		1	2
Art. 64 *(Optional)* Rialzo doppio con Zero Point Double riser with Zero Point	Cod.	9.64.10000	9.64.20000

Non utilizzabile con morse tipo 3x160 - Impossible to use with vises type 3x160

Piastra ZeroPoint, montaggio incassato - ZeroPoint Plates, built-in mounting			
Art. 81P *(Optional)* Piastra di interfaccia Zero Point per morse CompactGrip tipo 3 Zero Point connecting plate for CompactGrip vise Type 3		Acciaio Steel	Alluminio Aluminum
	Cod.	9.81.P2040S2	9.81.P2040A2

Non utilizzabile con morse tipo 3x160 / 3x210 - Impossible to use with vises type 3x160 / 3x210

7

GANASCE E INSERTI GANASCE PER MORSE COMPACT GRIP Art.650
JAWS & INSERT JAWS FOR COMPACT GRIP VISES Art.650

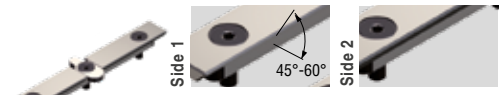
Tipo (grandezza) / Type (size)		1	2	3
Art. 650S	Cod.	7.65.0S100	7.65.0S200	7.65.0S300

LISCIA + RUVIDA
SMOOTH + ROUGH
Per materiali teneri e lavorazioni finali
For soft material clamping and final machining



Art. 650R	Cod.	7.65.0R100	7.65.0R200	7.65.0R300

*CODA DI RONDINE
DOVE TAIL
Miglior presa pezzo
Best workpiece clamping



*Utensile fresa per realizzare la base del particolare da bloccare (pag. 7.29)
Milling tool for working the base of the workpiece to be clamp (pag. 7.29)

Art. 650T G01	Cod.	7.65.0T100/G01	7.65.0T200/G01	7.65.0T300/G01

GRIP (Passo - Pitch 1,5mm)
Per materiali di durezza normale
For standard workpieces hardness clamping



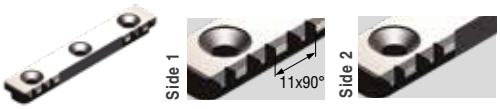
Art. 650T G02	Cod.	7.65.0T100/G02	7.65.0T200/G02	7.65.0T300/G02

GRIP (Passo - Pitch 2mm)
Per materiali di notevole durezza
For hardened workpieces clamping



Art. 650T G11	Cod.	7.65.0T100/G11	7.65.0T200/G11	7.65.0T300/G11

GRIP (Passo - Pitch 11mm)
Per materiali teneri
For soft material clamping

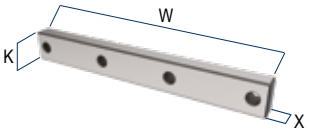


PIASTRINA FRONTALE
FRONTAL JAW PLATE

NEW

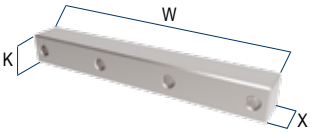
Tipo (grandezza) / Type (size)		1	2	3
Art. 655L	W	50	80	115
	K	8	10	10
	X	3,5	5,5	5,5
	Cod.	7.65.5L100	7.65.5L200	7.65.5L300

Piastrina LISCIA
frontale con fori filettati M14
Frontal SMOOTH
jaw plate with threaded holes M14



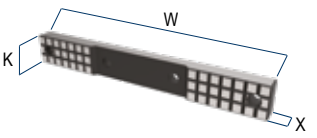
Art. 655M	W	50	80	115
	K	8	10	10
	X	10	10,5	10,5
	Cod.	7.65.5M100	7.65.5M200	7.65.5M300

Piastrina DOLCE
frontale con fori filettati M14
Frontal SOFT
jaw plate with threaded holes M14



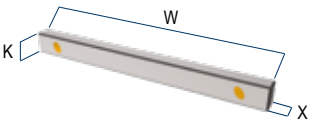
Art. 655N	W	50	80	115
	K	8	10	10
	X	3,5	5,5	5,5
	Cod.	7.65.5N100	7.65.5N200	7.65.5N300

Piastrina
ZIGRINATA frontale
Frontal SERRATED
jaw plate



Art. 655P	W	50	80	115
	K	5	7	7
	X	3	5	5
	Cod.	7.65.5P100	7.65.5P200	7.65.5P300

Piastrina parallela
magnetica piana frontale
Frontal straight
parallel magnetic plate

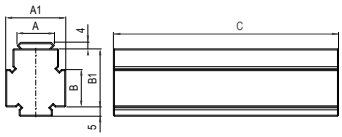


GANASCIA FISSA CENTRALE PER MORSE COMPACT GRIP Art.650
CENTRAL FIXED JAW FOR COMPACT GRIP VISES Art.650

NEW 2021

Tipo (grandezza) / Type (size)	1	2	3
A	18	22	22
A1	24	28	29
B	8	13	18
B1	20	23	28
C	50	88	123
Cod.	7.65.0X1000	7.65.0X2000	7.65.0X3000

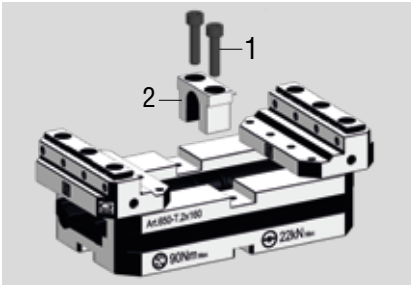
Art. 650X Ganascia fissa centrale
Central fixed jaw





Un inserto per ganscia fissa centrale a scelta incluso (vedi tabella sotto)
One top jaw insert as you need included (see table below)

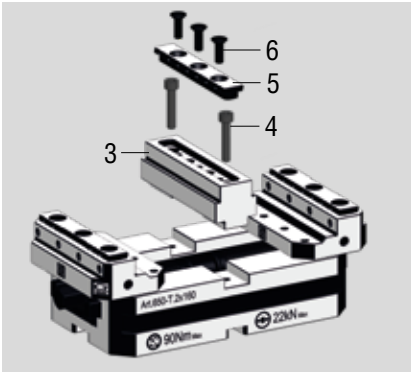
In fase d'ordine specificare il tipo di inserto - In case of order always specify the type of insert



1 ISTRUZIONI OPERATIVE DI MONTAGGIO
ASSEMBLY INSTRUCTIONS

- Svitare le due viti (1) che bloccano la forcella
- Estrarre la forcella (2) che regola l'autocentrante
- Get the two yoke's screws (1) loosen
- Remove the yoke (2) for the self centering





2

- Posizionare la ganascia fissa doppia centrale (3) nella sede delle chiavette
- Inserire le viti (4) nella sede della ganascia fissa per bloccare la stessa
- Posizionare l'apposito inserto Grip (5) nella sede della ganascia fissa
- Bloccare l'inserto Grip con le viti (6)
- Place the central double fixed jaw (3) in the key nuts seat
- Place the screws (4) in their seats on the central double fixed jaw and get them tight;
- Put the Insert Grip (5) in its seat on the central double fixed jaw
- Get the Insert Grip's screws (6) tight

INSERTI GANASCE PER GANASCIA FISSA CENTRALE
INSERT JAWS FOR CENTRAL FIXED JAW

NEW

Tipo (grandezza) / Type (size)	1	2	3
Art. 650V	Cod. 7.65.0V100	7.65.0V200	7.65.0V300
Art. 650Y	Cod. 7.65.0Y100	7.65.0Y200	7.65.0Y300
Art. 650U G01	Cod. 7.65.0U100/G01	7.65.0U200/G01	7.65.0U300/G01
Art. 650U G02	Cod. 7.65.0U100/G02	7.65.0U200/G02	7.65.0U300/G02
Art. 650U G11	Cod. 7.65.0U100/G11	7.65.0U200/G11	7.65.0U300/G11

Art. 650V
LISCE - SMOOTH
Materiali teneri e lavorazioni finali
Soft material clamping and final machining





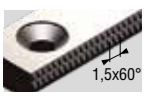
Art. 650Y
RUVIDE - ROUGH
Miglior presa pezzo
Best workpiece clamping





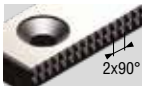
Art. 650U G01
GRIP (Passo - Pitch 1,5mm)
Per materiali di durezza normale
For standard workpieces hardness clamping





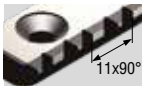
Art. 650U G02
GRIP (Passo - Pitch 2mm)
Per materiali di notevole durezza
For hardened workpieces clamping





Art. 650U G11
GRIP (Passo - Pitch 11mm)
Per materiali teneri
For soft material clamping

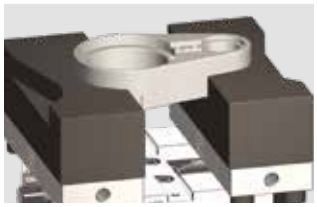


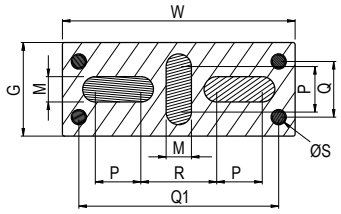


ACCESSORI PER MORSE COMPACT GRIP Art.950

Art.950 COMPACT GRIP VISES ACCESSORIES

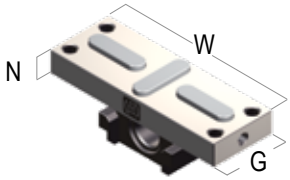
Tipo (grandezza) / Type (size)	2	3
W	128	160
G	49	59
M	10 H7	14 H7
P	30	36
Q	23	36
Q1	110	142
R	40	50
S	Ø9	Ø11

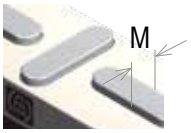




Art. 950B

Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT HAND** with positioning key nuts

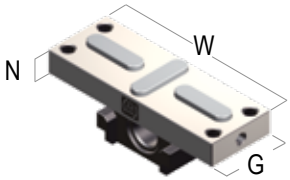


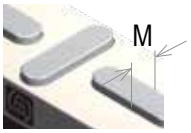


N	15	20
Cod.	7.95.0B2000	7.95.0B3000

Art. 950C

Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT HAND** with positioning key nuts



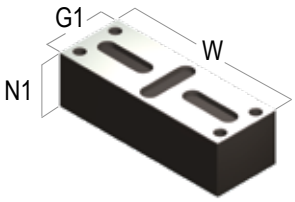


N	15	20
Cod.	7.95.0C2000	7.95.0C3000

Art. 950D*

Ganascia lavorabile in acciaio
Machineable steel jaw
G1= G+2 mm

* Viti per fissaggio a richiesta €10
Fixing screws on request €10



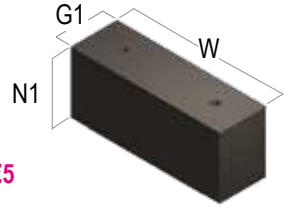


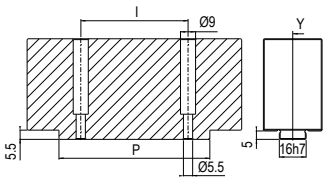
N1	30	47
Cod.	7.95.0D2000	7.95.0D3000

Art. 950X*

Ganascia fissa intermedia lavorabile in acciaio
Intermediate machineable steel fixed jaw

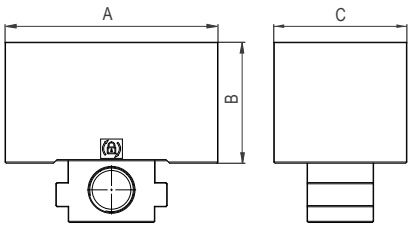
* Viti per fissaggio a richiesta €5
Fixing screws on request €5





W	128	160
G1	35	50
N1	55	67
I	64	90
P	90	124
Cod.	7.95.0X2000	7.95.0X3000

Tipo (grandezza) / Type (size)	1	2	3
A	50	88	123
B	30	50	70
C	50	55	60



Art. 650BM

Ganascia lavorabile filetto destro
Soft machineable jaw right thread





Cod.	7.65.0BM10	7.65.0BM20	7.65.0BM30

Utilizzabile anche su Art.950 Tipo 1 - Available to be used also on Art.950 Type 1

Art. 650CM

Ganascia lavorabile filetto sinistro
Soft machineable jaw left thread





Cod.	7.65.0CM10	7.65.0CM20	7.65.0CM30

Utilizzabile anche su Art.950 Tipo 1 - Available to be used also on Art.950 Type 1

ACCESSORI PER MORSE COMPACT GRIP Art.650 / Art.950

Art.650 / Art.950 COMPACT GRIP VISES ACCESSORIES

Tipo (grandezza) / Type (size)	1	2	3

Art. 370EM

Arresto laterale magnetico
Magnetic workstop

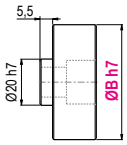


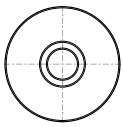
Cod.	7.37.01000/EM	7.37.02000/EM

Art. 640P

Perno calibrato per centraggio
Calibrated centering pin







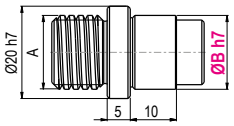
ØC h7	20		
ØB	20 - 30 - 38,1(1,5") - 50 - 50,8 (2")		
Cod.	7.64.0P100	7.64.0P200	7.64.0P300

* *Specificare sempre quota B - Specify always B dimension*

Art. 79

Perno calibrato per centraggio e orientamento
Calibrated centering and orientation pin



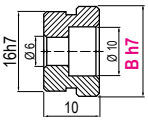


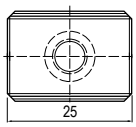
A	M10	M12	M16
ØC h7	14	14	20
ØB	10 - 12 - 14 - 16 - 18 - 20		
Cod.	7.79.14M10/ØB	7.79.14M12/ØB	7.79.20M16/ØB

Art. 297

Tassello per regolazione autocentrante
con vite M5 x 10
Self-centering key-nut with M5 x 10 screw







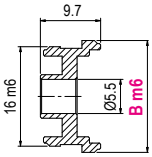
B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	
Cod.	2.29.71000/10	2.29.71000/16

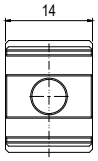
Art. 297X

NEW 2021

Tassello a Gioco Zero per il
posizionamento preciso
di morse singole su zero point
Key nut NO-GAP for accurate
single vise positioning on zero point





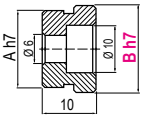


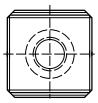
B	12 - 14 - 16 - 18 - 20	
Cod.	297X1612 / 14 / 16 / 18 / 20	

Art. 650G

Tassello di posizionamento morsa completo di viti
Key-nut for vise positioning with screws







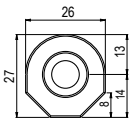
Specificare sempre quota B - Specify always B dimension

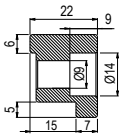
A	10	16
B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	
Cod.	7.65.0G1000/B	7.65.0G2000/B

Art. 298 / CGR

Staffa per Compact Grip
Compact Grip holding clamp







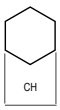
Cod.	7.29.81000/CGR

Tipo (grandezza) / Type (size)	1		2		3	
Dimensioni / Dimension	CH	B	CH	B	CH	B

Art.375

Chiave a pipa
Box wrench





	10	160	12	160	16	250
Cod.	4.37.510160		4.37.512160		4.37.516250	

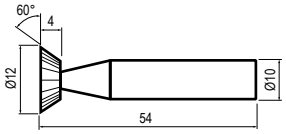
Art. 690DTF

NEW 2021

Utensile fresa per realizzare
la base del particolare da serrare con
inserti a coda di rondine Art.650R
Milling tool for working the base
of the workpiece to be clamped with
dove tail inserts Art.650R







	Ø12
Cod.	7.69.0DTF10

7

RIALZI IN ALLUMINIO PER MORSE COMPACT GRIP ART.650 / 950
ALUMINUM RISERS FOR COMPACT GRIP VISES ART.650 / 950

NEW 2021

Tipo (grandezza) rialzo
Riser (type) size

Art. 651H *Tipo / Type* **1**

Rialzo semplice,compatibile con il sistema Zero Point



Simple riser Zero Point ready

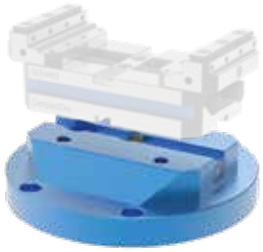
Tipo (grandezza) rialzo / Riser (type) size	1								
A	80			120			160		
B	80			80			80		
* C	50	75	100	50	75	100	50	75	100
ØD	128			178			178		
E	-			150			150		
L	52			52			52		
M	52			52			52		
ØJ	110			150			150		
K	10			10			10		
K1	-			16			16		
kg	1,08	1,41	1,75	2,09	2,63	3,17	2,40	3,15	3,90
Cod.	7.65.1H1080 /050	7.65.1H1080 /075	7.65.1H1080 /100	7.65.1H1120 /050	7.65.1H1120 /075	7.65.1H1120 /100	7.65.1H1160 /050	7.65.1H1160 /075	7.65.1H1160 /100

Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignement kit **not included**

Tipo (grandezza) rialzo
Riser (type) size

Art. 651H *Tipo / Type* **2**

Rialzo semplice,compatibile con il sistema Zero Point



Simple riser Zero Point ready

Tipo (grandezza) rialzo / Riser (type) size	2											
A	120			160			200			240		
B	90			90			90			90		
* C	50	75	100	50	75	100	50	75	100	50	75	100
ØD	210			210			210			249		
E	-			150			150			200		
L	65			65			65			65		
M	90			90			90			150		
ØJ	185			185			185			185		
kg	3,07	3,71	4,32	3,09	3,90	4,73	3,38	4,45	5,52	4,13	5,45	6,75
Cod.	7.65.1H2120 /050	7.65.1H2120 /075	7.65.1H2120 /100	7.65.1H2160 /050	7.65.1H2160 /075	7.65.1H2160 /100	7.65.1H2200 /050	7.65.1H2200 /075	7.65.1H2200 /100	7.65.1H2240 /050	7.65.1H2240 /075	7.65.1H2240 /100

Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignement kit **not included**

Tipo (grandezza) rialzo
Riser (type) size

Art. 651H *Tipo / Type* **3**

Rialzo semplice,compatibile con il sistema Zero Point



Simple riser Zero Point ready

Tipo (grandezza) rialzo / Riser (type) size	3														
A	160			210			260			310			360		
B	125			125			125			125			125		
* C	50	75	100	50	75	100	50	75	100	50	75	100	50	75	100
ØD	240			240			332			327			373		
E	150			150			150			150			200		
E1	-			-			200			200			250		
L	96			96			96			96			96		
L1	-			-			-			100			100		
M	96			96			96			96			96		
M1	-			-			-			200			250		
ØJ	185			185			185			185			185		
ØJ1	-			-			290			290			290		
kg	3,34	4,49	5,68	3,85	5,40	6,99	5,73	7,69	9,69	6,14	8,50	10,91	7,02	9,80	12,62
Cod.	7.65.1H3160 /050	7.65.1H3160 /075	7.65.1H3160 /100	7.65.1H3210 /050	7.65.1H3210 /075	7.65.1H3210 /100	7.65.1H3260 /050	7.65.1H3260 /075	7.65.1H3260 /100	7.65.1H3310 /050	7.65.1H3310 /075	7.65.1H3310 /100	7.65.1H3360 /050	7.65.1H3360 /075	7.65.1H3360 /100

Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignement kit **not included**

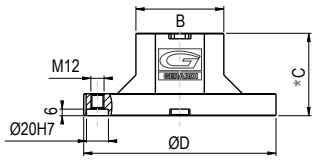
NEW 2021

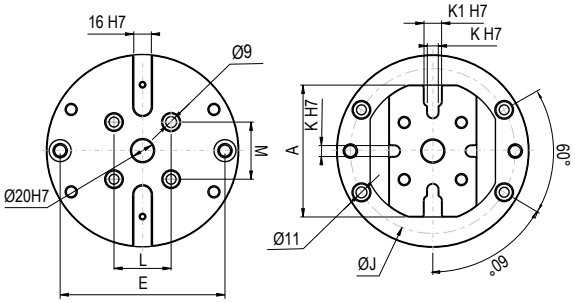
PIASTRE di INTERFACCIA
INTERFACE PLATES

NEW 2021

Tipo (grandezza) Riser (type) size	1

Art. 651H



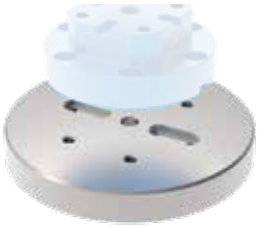


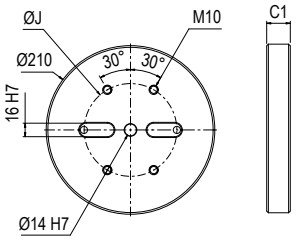
Tipo (grandezza) Riser (type) size	1			
ØJ	110	150	150	
C1	28			
Cod.	7.62.K651H21...			
	.../108	.../112	.../116	

Art. 62K

CompactGrip

Piastra di interfaccia lavorabile
Machineable interface plate

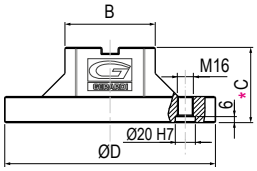


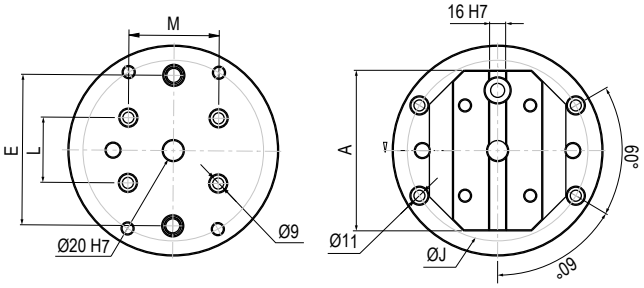


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza) Riser (type) size	2

Art. 651H



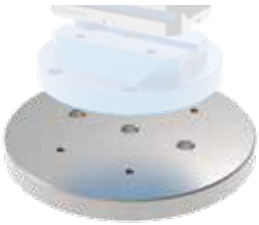


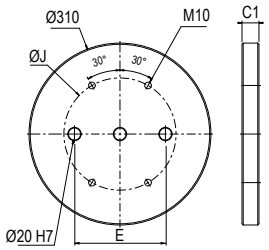
Tipo (grandezza) Riser (type) size	2				
ØJ	185				
C1	28				
E	-	150	150	200	
Cod.	7.62.K651H31/				
	.../212	.../216	.../220	.../224	

Art. 62K

CompactGrip

Piastra di interfaccia lavorabile
Machineable interface plate

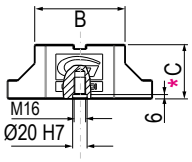


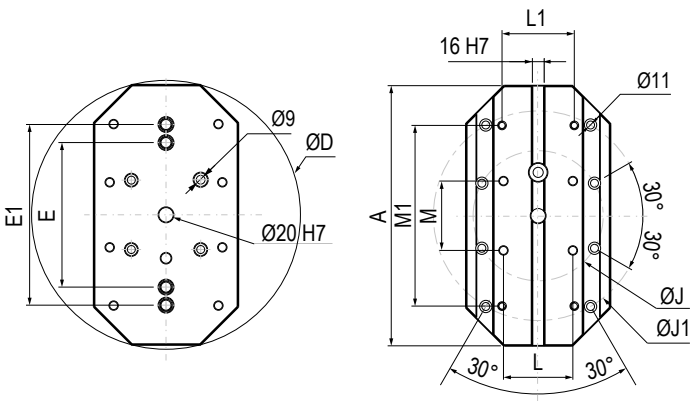


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza) Riser (type) size	3

Art. 651H



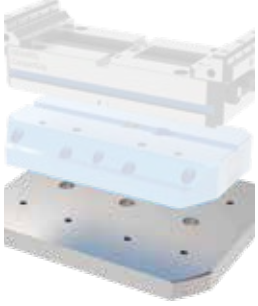


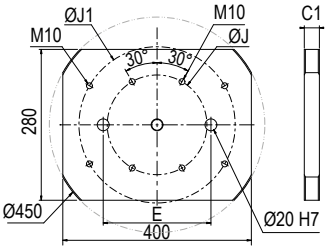
Tipo (grandezza) Riser (type) size	3				
ØJ	185				
C1	28				
J1	-	-	290	290	290
E	150	150	150	150	200
Cod.	7.62.K651H45/				
	.../316	.../321	.../326	.../331	.../336

Art. 62K

CompactGrip

Piastra di interfaccia lavorabile
Machineable interface plate





Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

7

TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP
QUICK CHANGE TABLE FOR COMPACT GRIP VISES

NEW

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2** **52**	**3** **96**
Art. 660		
Tavola Cambio rapido meccanica rettangolare		
A	100	150
B	50	50
B1	-	100
C	27	27
D	116	156
E	150	190
F	52	96
L	Ø12 h7	Ø16 h7
L1	M8	M10
kg	3	5,2
Cod.	9.66.05200	9.66.09600



Mechanical quick change rectangular table

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO** - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2** **52**	**3** **96**
Art. 660S*		
Tavola Cambio rapido meccanica rettangolare temprata con parte lavorabile senza fori		
C	27	27
D	126	156
E	150	190
F	52	96
L	Ø12h7	Ø16h7
L1	M8	M10
kg	-	-
Cod.	9.66.0S520	9.66.0S960



Mechanical quick change hardned with machineable part holes free rectangular table

Personalizzazione esclusa - Customization not included

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO** - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2 - 3** **52**
Art. 660R	
Tavola Cambio rapido meccanica rettangolare di riduzione	
B	96
C	27
D	126
E	150
F	52
L	Ø12h7
L1	M8
kg	3,75
Cod.	9.66.0R210



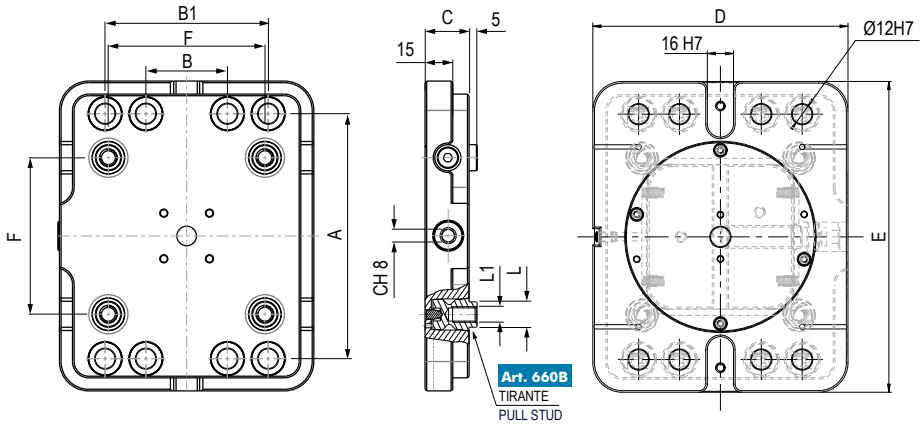
Mechanical quick change rectangular reduction table

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO** - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET

TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP
QUICK CHANGE TABLE FOR COMPACT GRIP VISES

Art. 660

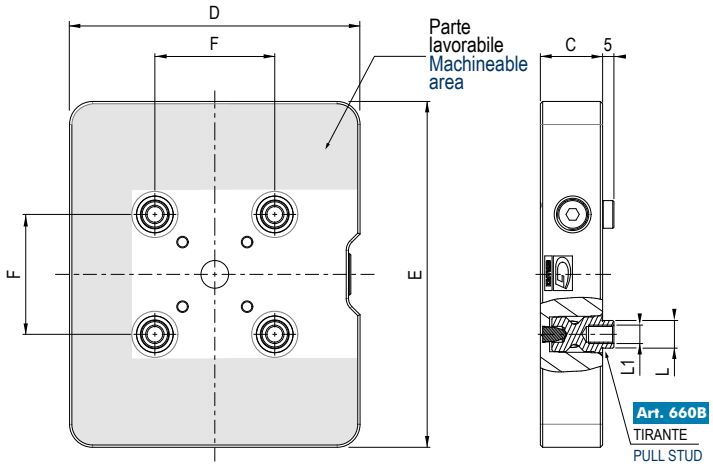
Dotazione standard - Standard equipment:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B



Art. 660S

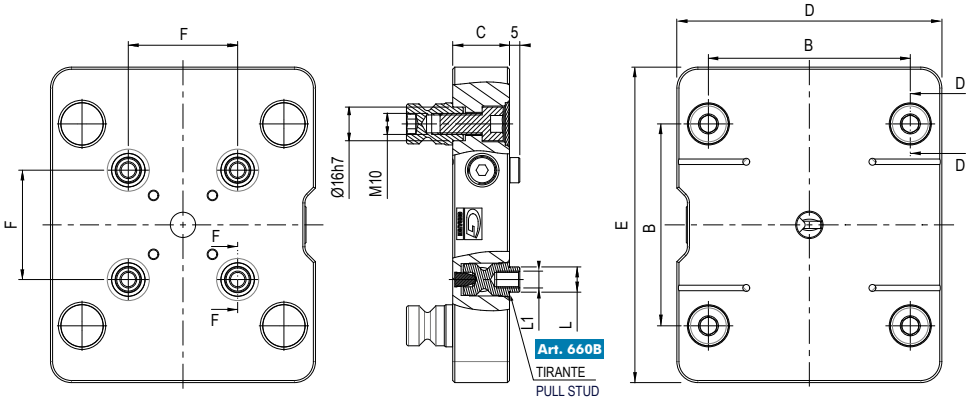
Dotazione standard - Standard equipment:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B





Art. 660R

Dotazione standard - Standard equipment:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B



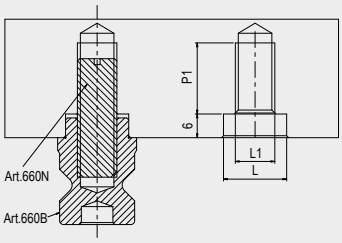
NEW

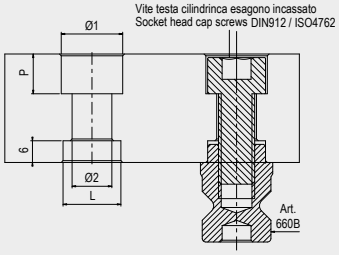
Art. 660B

Tiranti per tavola cambio rapido
Quick change table pull studs



Tipo - Type 1 Tipo - Type 2





Type	1	2
L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	14	17
Ø2	9	11
P	9	11
P1	12	18
Code	9.66.0B100	9.66.0B200



7

TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP
QUICK CHANGE TABLE FOR COMPACT GRIP VISES

NEW

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2** **52**	**3** **96**
ØA	158	196
ØB	120	175
C	27	27
F	52	96
L	Ø12h7	Ø16h7
L1	M8	M10
kg	3,4	-
Cod.	9.66.15200	9.66.19600

Art. 661

Tavola Cambio rapido meccanica tonda



Mechanical quick change rounded table

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO** - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2** **52**	**3** **96**
A	158	196
C	27	27
F	52	96
L	Ø12h7	Ø16h7
L1	M8	M10
kg	3,8	-
Cod.	9.66.1S520	9.66.1S960

Art. 661S*

Tavola Cambio rapido meccanica tonda temprata con parte lavorabile senza fori



Round mechanical quick change hardned with machineable part holes free table

Personalizzazione esclusa - Customization not included

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO** - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2 - 3** **52 - 96**
ØA	158
B	96
C	27
F	52
L	Ø12h7
L1	M8
kg	3,75
Cod.	9.66.1R210

Art. 661R

Tavola Cambio rapido meccanica tonda di riduzione



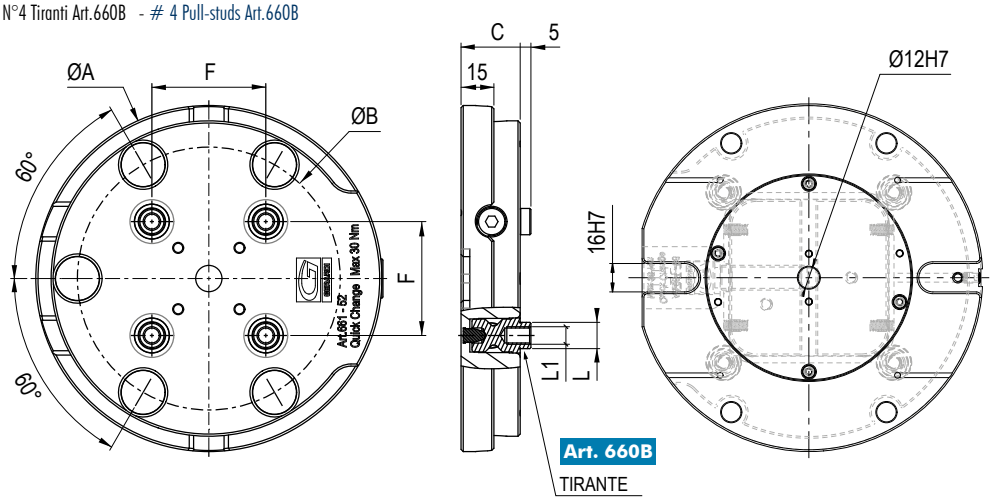
Round mechanical quick change reduction table

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO** - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET

TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP
QUICK CHANGE TABLE FOR COMPACT GRIP VISES

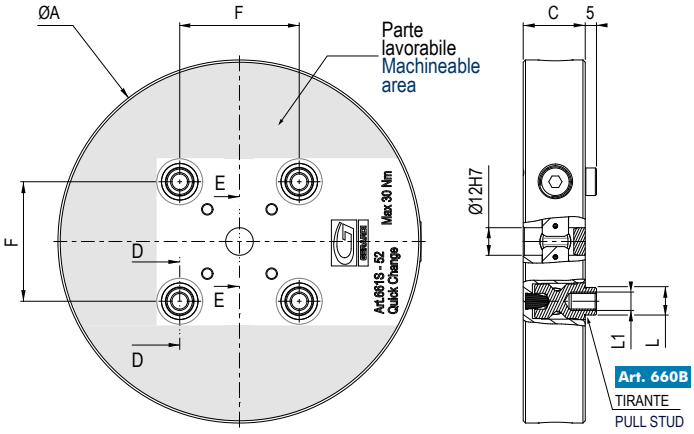
Art. 661

Dotazione standard - Standard equipment:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B



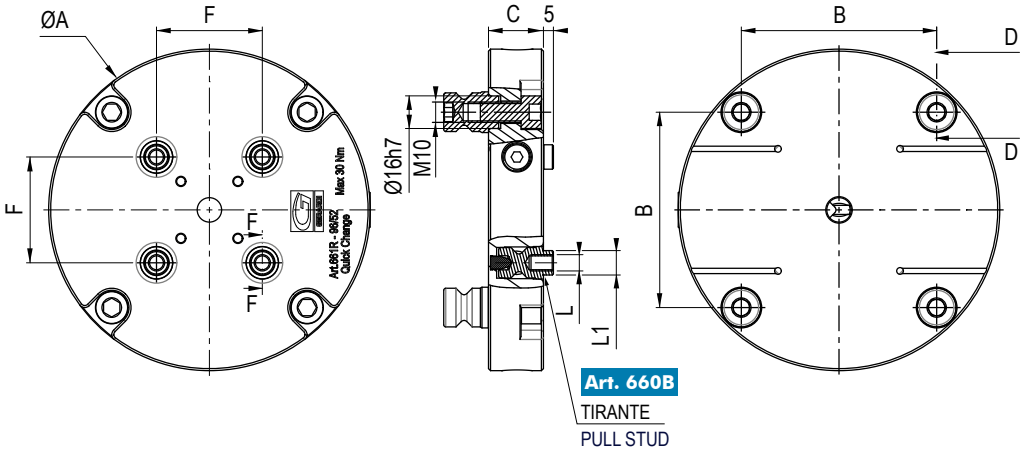
Art. 661S

Dotazione standard - Standard equipment:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B



Art. 661R

Dotazione standard - Standard equipment:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B



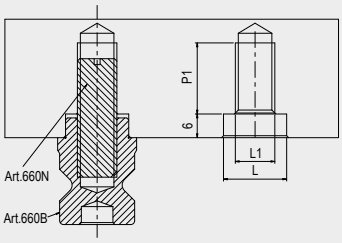
NEW

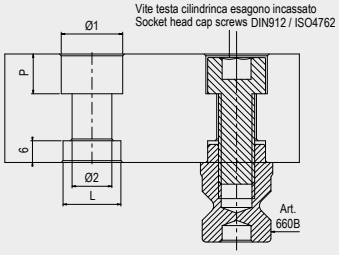
Art. 660B

Tiranti per tavola cambio rapido
Quick change table pull studs



Tipo - Type 1 Tipo - Type 2





Type	1	2
L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	14	17
Ø2	9	11
P	9	11
P1	12	18
Code	9.66.0B100	9.66.0B200



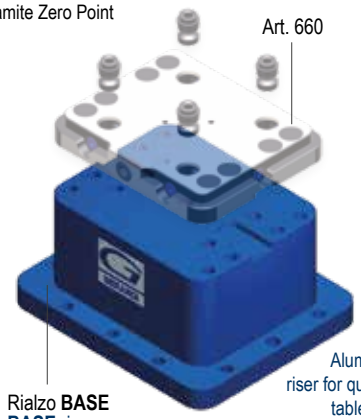
7

RIALZI SEMPLICI IN ALLUMINIO PER TAVOLA A CAMBIO RAPIDO
SIMPLE ALUMINUM RISERS for QUICK CHANGE TABLE

NEW 2021

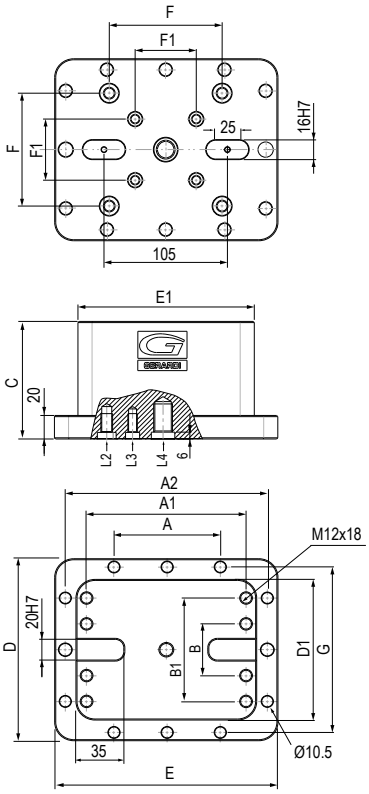
Art. 661H

Rialzo base in alluminio per tavola cambio rapido, possibilità di montaggio con staffe o tramite Zero Point



Aluminum base riser for quick change table. Mounting possibility throught vise holding clamps and Zero Point system

Per Morse Tipo - For Vises Type / **INTERASSE** - PITCH	**1 - 2** 52	**3** 96
A	100	100
A1	-	150
A2	170	190
B	50	50
B1	-	100
C	100	100
D	156	176
D1	116	136
E	190	210
E1	150	170
F	96	96
F1	52	52
G	136	160
L2	Ø16 H7 / M10	Ø16 H7 / M10
L3	Ø12 H7 / M8	Ø12 H7 / M8
L4	Ø20 H7 / M16	Ø20 H7 / M16
kg	5	6,5
Cod.	9.66.1H520/100	9.66.1H960/100



Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignement kit **not included**

Art. 661HQ

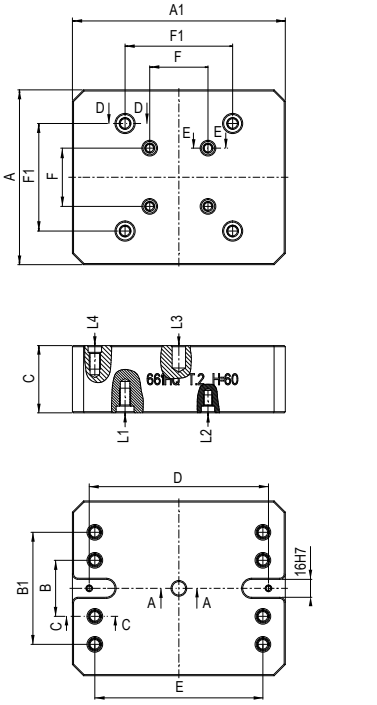
Rialzo semplice in alluminio per tavola cambio rapido

Rialzo TOP
TOP riser
Art. 661HQ



Simple aluminum riser for quick change table

Per Morse Tipo - For Vises Type / **INTERASSE** - PITCH	**1 - 2** 52		**3** 96	
A	116		156	
A1	150		150	
B	50		50	
B1	-		100	
C	60	100	60	100
D	120		160	
E	100		150	
F	52		-	
F1	96		96	
L1	Ø16 H7 / M10		Ø16 H7 / M10	
L2	Ø12 H7 / M8		Ø12 H7 / M8	
L3	Ø12 H7		Ø12 H7	
L4	Ø12 H7 / M10		Ø12 H7 / M10	
kg	-		-	
Cod.	9.66.1HQ52/060	9.66.1HQ52/100	9.66.1HQ96/060	9.66.1HQ96/100



Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignement kit **not included**

Art. 660B

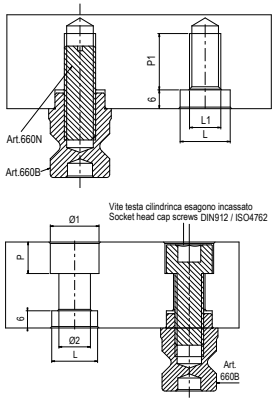
NEW

Tiranti per tavola cambio rapido



Quick change table pull studs

Tipo - Type	**1**	**2**
L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	14	17
Ø2	9	11
P	9	11
P1	12	18
Cod.	9.66.0B100	9.66.0B200



SUPPORTO PIRAMIDALE PER MULTITASKING & COMPACT GRIP
PYRAMIDAL SUPPORT FOR MULTITASKING & COMPACT GRIP

NEW 2021

Ideali per Centri a 4 Assi
Ideal for 4th Axis Centres

Tipo (grandezza) / Type (size) PIANO INCLINATO - GRADE SIDE	1 30°
Multitasking	-
Compact Grip	**Art.650** T.1x80/120
ØA	200
B	120°
C	80
D	50
E	65
F	120
G	94
H	169,4
H1	135
kg	6,8
Cod.	7.64.3H100

Art. 643H

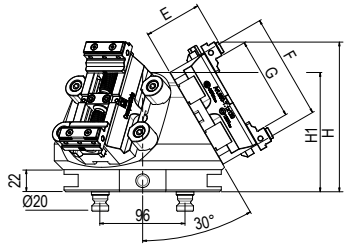
Supporto piramidale in alluminio a tripla posizione. Possibilità di montaggio tramite Zero Point e tavole a cambio rapido

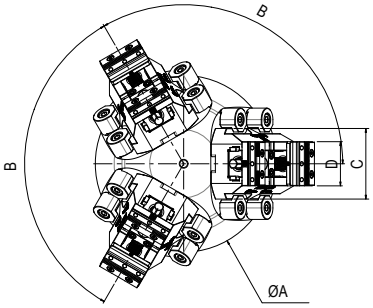
Aluminum pyramidal support with 3 positions Mounting possibility throught Zero Point system and quick change tables



Dotazione standard
- 1 Golfare
- 12 Staffe di ancoraggio Art.298 CGR
- 4 tiranti Art.660B T2

Standard equipement:
- 1 Eyebolt - 12 Vise holding clamps Art.298 CGR with M8 screws - 4 pull studs Art.660B T2





Tipo (grandezza) / Type (size) PIANO INCLINATO - GRADE SIDE	2 45°
Multitasking	**Art.640** - T.1
Compact Grip	**Art.650** T.2x120/160/200 - **Art.950** T.2x120/160/200
ØA	308
B	120°
C	-
D	90
E	65
F	160
G	136
H	135,5
H1	109
kg	11,9
Cod.	7.64.3H200

Art. 643H

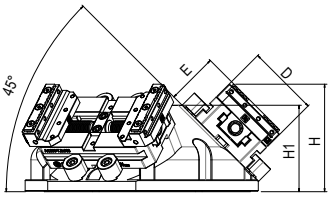
Supporto piramidale in alluminio a tripla posizione.Possibilità di montaggio tramite Zero Point

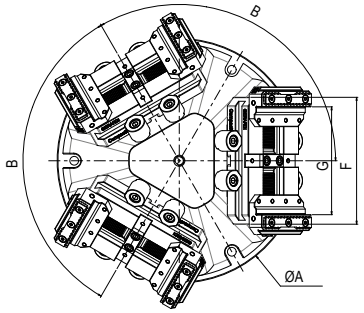
Aluminum pyramidal support with 3 positions Mounting possibility throught Zero Point system



Dotazione standard
- 1 Golfare
- 12 Staffe di ancoraggio Art.298 CGR
- 1 Perno di centraggio - Coppia di tasselli Art.297

Standard equipement:
- 1 Eyebolt - 12 Vise holding clamps Art.298 CGR with M8 screws
- 1 Centering pin - Pair ok keynuts Art.287



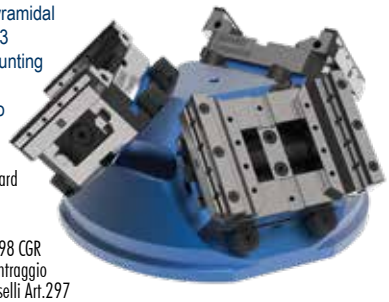


Tipo (grandezza) / Type (size) PIANO INCLINATO - GRADE SIDE	3 45°
Multitasking	-
Compact Grip	**Art.650** T.3x160/210 - **Art.950** T.3x160/210
ØA	360
B	120°
C	-
D	125
E	89
F	160
G	133
H	190,5
H1	150
kg	20,8
Cod.	7.64.3H300

Art. 643H

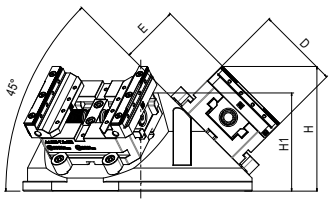
Supporto piramidale in alluminio a tripla posizione.Possibilità di montaggio tramite Zero Point

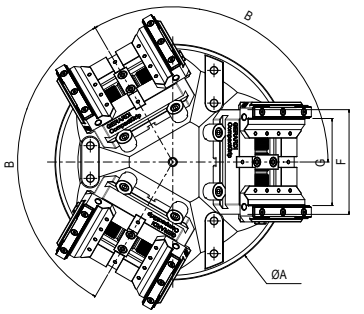
Aluminum pyramidal support with 3 positions Mounting possibility throught Zero Point system



Dotazione standard
- 1 Golfare
- 12 Staffe di ancoraggio Art.298 CGR
- 1 Perno di centraggio
- Coppia di tasselli Art.297

Standard equipement:
- 1 Eyebolt - 12 Vise holding clamps Art.298 CGR with M8 screws
- 1 Centering pin - Pair ok keynuts Art.287





Disponibili altre configurazioni, angolazioni e dimensioni
Available also others arrangements, dimension and angles

N.B: Richiedere scheda tecnica per maggiori informazioni - Tecnichal data sheet on request

PIASTRE BASE ZERO POINT TONDE
ZERO POINT ROUNDED HEAD PLATES

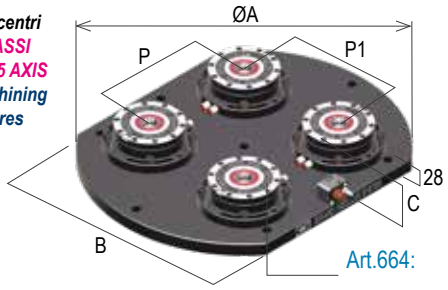
MONTAGGIO CON FLANGIA

Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 72P

NEW 2021

Per centri a 5 ASSI
For 5 AXIS machining centres



Piastra tonda con Zero Point **Art.664** montaggio con flangia
Round head plate with Zero Point **Art.664** mounting with flange

kN	2 up to 14 kN							
	Hermle C600U		DMG DMU 50 Evo		Mazak Variax 500		Hermule C40U	
	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
ØA	280		500		500		420	
B	-		380		400		-	
C	83		83		83		83	
P	-		200		200		200	
P1	-		200		200		200	
N° Zero Point	1		4		4		4	
kg	19	11	61	37	63	38	65	35
Cod.	9.72. P2828S1	9.72. P2828A1	9.72. P5038S4	9.72. P5038A4	9.72. P5040S4	9.72. P5040A4	9.72. P4242S4	9.72. P4242A4

Opzione apertura indipendente Zero Point / Zero point independent control option SOVRAPREZZO / EXTRA PRICE:

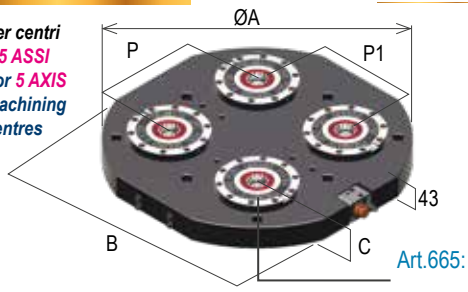
MONTAGGIO INCASSATO

Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 82P

NEW 2021

Per centri a 5 ASSI
For 5 AXIS machining centres



Piastra tonda con Zero Point **Art.665** montaggio incassato
Round head plate with Zero Point **Art.665** built-in mounting

kN	2 up to 14 kN							
	Hermle C600U		DMG DMU 50 Evo		Mazak Variax 500		Hermule C40U	
	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
ØA	280		500		500		420	
B	-		380		400		-	
C	58		58		58		58	
P	-		200 / 250		200 / 250		200	
P1	-		200		200 / 250		200	
N° Zero Point	1		4		4		4	
kg	30	17	67	29	69	31	56	26
Cod.	9.82. P2828S2	9.82. P2828A2	9.82. P5038S4	9.82. P5038A4	9.82. P5040S4	9.82. P5040A4	9.82. P4242S4	9.82. P4242A4

Opzione apertura indipendente Zero Point / Zero point independent control option SOVRAPREZZO / EXTRA PRICE:

PIASTRA BASE ROTONDA LISCIA E A RETICOLO - SQUARE SMOOTH AND GRID ROUNDED PLATES

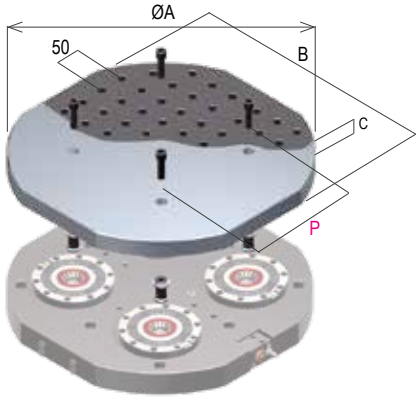
Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 62iC **Art. 62iE**

NEW 2021

Piastra base tonda liscia (Art.62iC) o a reticolo (Art.62iE) con tiranti femmina Art.10A - 10B per cambio rapido Zero Point

Smooth round interfaced plate (Art.62iC) or grid (Art.62iE) with female pull-studs Art.10A - 10B for ZERO POINT quick change



kN	2 up to 14 kN							
	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
ØA	400		500		630		800	
B	-		400		500		630	
C	38		38		38		38	
P	200		250		300		300	
kg	41	15	59	21	92	33	149	54
Art.62iC Cod.	9.62. IC4032S4	9.62. IC4032A4	9.62. IC4050S4	9.62. IC4060A4	9.62. IC4070S4	9.62. IC4070A4	9.62. IC4080S4	9.62. IC4080A4
Art.62iE Cod.	9.62. IE4032S4	9.62. IE4032A4	9.62. IE4050S4	9.62. IE4060A4	9.62. IE4070S4	9.62. IE4070A4	9.62. IE4080S4	9.62. IE4080A4

7

FLANGE MOUNTING

2 up to 14 kN													
DMG DMU 50		**Haas UMC 750**		**Mazak Variax 630**		**DMG DMU 70 Evo**		**DMG DMC 635V**		**DMG DMC 1035V**		**DMG DMU 80P**	
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
630		630		630		700		790		1000		900	
500		500		500		500		560		560		630	
83		83		83		83		83		83		83	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 250		200 / 300 / 350		200 / 250	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300		200 / 250 / 300		200 / 300 / 400		200 / 300 / 400	
4		4		4		4		6		8		6	
85	46	85	46	85	46	94	49	124	68	151	78	149	76
9.72. P6350S4	9.72. P6350A4	9.72. P6350S4	9.72. P6350A4	9.72. P6350S4	9.72. P6350A4	9.72. P7050S4	9.72. P7050A4	9.72. P7956S6	9.72. P7956A6	9.72. P1056S8	9.72. P1056A8	9.72. P9063S6	9.72. P9063A6

BUILT-IN MOUNTING

2 up to 14 kN													
DMG DMU 50		**Haas UMC 750**		**Mazak Variax 630**		**DMG DMU 70 Evo**		**DMG DMC 635V**		**DMG DMC 1035V**		**DMG DMU 80P**	
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
630		630		630		700		790		1000		900	
500		500		500		500		560		560		630	
58		58		58		58		58		58		58	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 250		200 / 250 / 350		200 / 250 / 300	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 300 / 400		200 / 300 / 400	
4		4		4		4		6		8		6	
103	43	103	43	103	43	116	48	149	63	197	83	188	87
9.82. P6350S4	9.82. P6350A4	9.82. P6350S4	9.82. P6350A4	9.82. P6350S4	9.82. P6350A4	9.82. P7050S4	9.82. P7050A4	9.82. P7956S6	9.82. P7956A6	9.82. P1056S8	9.82. P1056A8	9.82. P9063S6	9.82. P9063A6

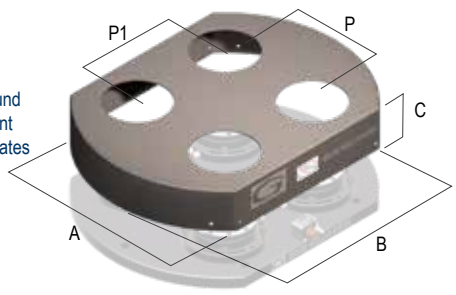
CARTER PER PIASTRE TONDE - ROUNDED PLATES COVER

Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 72CP

Carter in acciaio INOX per piastre tonde interfacciate con Zero Point

Stainless steel round cover for Zero Point interfaced head plates

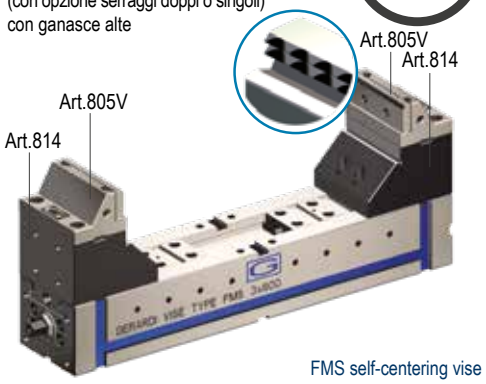


kN	2 up to 14			
	Steel	Steel	Steel	Steel
ØA	420	500	630	800
B	-	400	500	630
C	78	78	78	78
P	200	250	300	300
P1	200	250	300	300
kg			-	-
Cod.	9.72.CP42424	9.72.CP50404	9.72.CP63504	9.72.CP80634

7

Art. 868

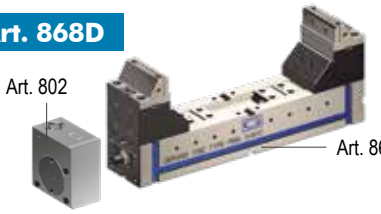
Morsa **FMS** autocentrante
(con opzione serraggi doppi o singoli)
con ganasce alte



FMS self-centering vise
(with double or single
clamping option) with high jaws

Tipo (grandezza) morsa / Vise type (size)	1		2				3	
kN	25 kN		25 kN				30 kN	
A	130	230	182	282	382	482	244	344
B	99,5		117				137	
C	70		90				100	
D	232	332	300	400	500	600	400	500
E	249	349	320	420	520	620	425	525
F	169,5		207				237	
G	75		95				125	
H	75		85				98	
L	56		64				84	
J3	76	76	101				132	
J4	55	55	63				82	
X	39,5		47				57	
W	74		94				124	
kg	-		-				-	
Cod.	5.86.81200	5.86.81300	5.86.82300	5.86.82400	5.86.82500	5.86.82600	5.86.83400	5.86.83500

Art. 868D



(Art. 868 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

Cod.	5.86.8D120	5.86.8D130	5.86.8D230	5.86.8D240	5.86.8D250	5.86.8D260	5.86.8D340	5.86.8D350

Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

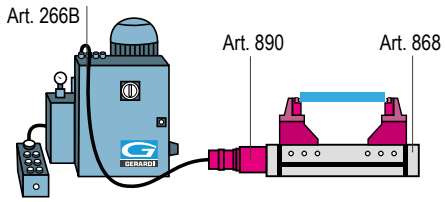
Art. 868E



(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod.	5.86.8E120	5.86.8E130	5.86.8E230	5.86.8E240	5.86.8E250	5.86.8E260	5.86.8E340	5.86.8E350

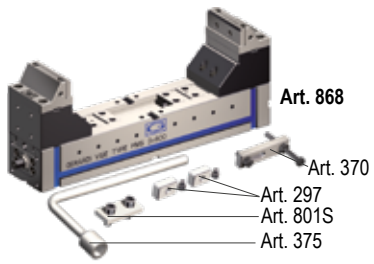
Art. 868F



(Art. 868 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

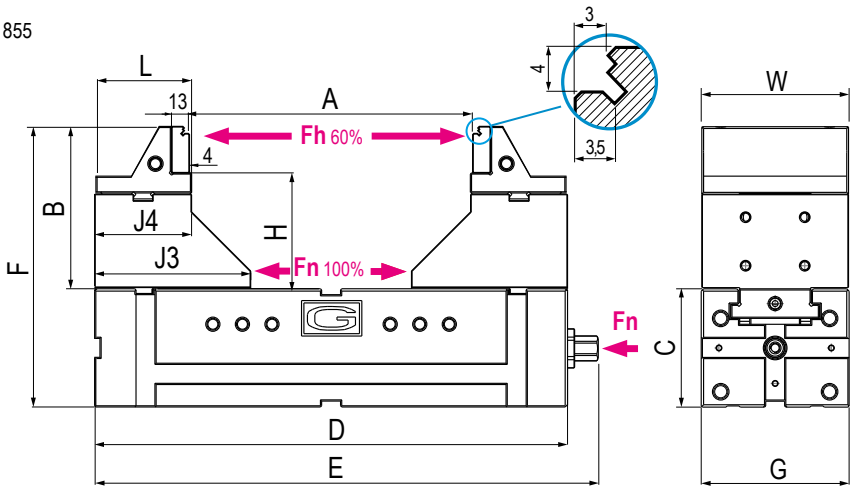
Cod.	5.86.8F120	5.86.8F130	5.86.8F230	5.86.8F240	5.86.8F250	5.86.8F260	5.86.8F340	5.86.8F350

Dotazione standard:
- 1 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art.375
- 1 piastrina di collegamento Art.801S



Standard equipment:
- 1 workstops Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S

Art. 855



	3			4				5			6		
	30 kN			30 kN				32 kN			32 kN		
A	444	544	644	316	416	516	616	396	496	596	596	696	796
B		137			171				186			246	
C		100			120				140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
F		237			291				326			406	
G		125			145				170			190	
H		98			128				138			180	
L		84			97				107			107	
J3		132			154				169			189	
J4		82			96				106			106	
X		57			64				66			86	
W		124			144				169			189	
kg		-			-				-			-	
Cod.	5.86.83600	5.86.83700	5.86.83800	5.86.84500	5.86.84600	5.86.84700	5.86.84800	5.86.85600	5.86.85700	5.86.85800	5.86.86800	5.86.86900	5.86.86100

Art. 868D

(Art. 868 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

5.86.8D360	5.86.8D370	5.86.8D380	5.86.8D450	5.86.8D460	5.86.8D470	5.86.8D480	5.86.8D560	5.86.8D570	5.86.8D580	5.86.8D680	5.86.8D690	5.86.8D610

Art. 802

Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 868E

(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

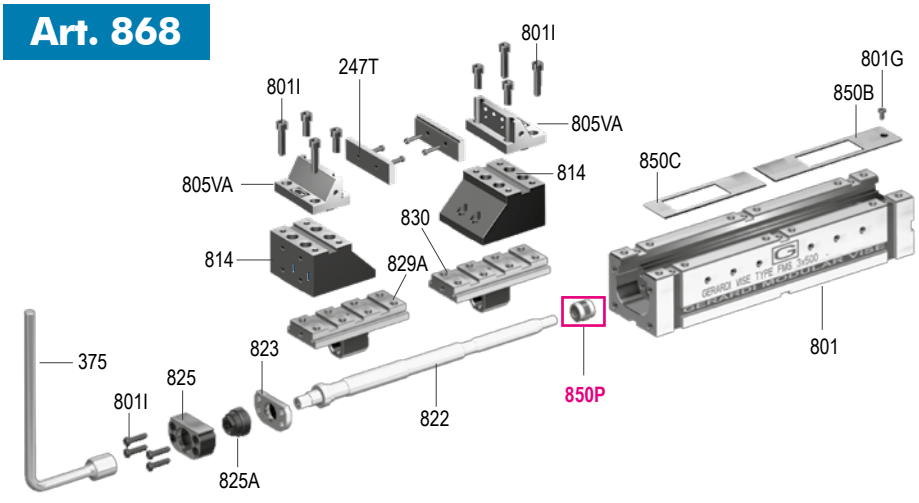
5.86.8E360	5.86.8E370	5.86.8E380	5.86.8E450	5.86.8E460	5.86.8E470	5.86.8E480	5.86.8E560	5.86.8E570	5.86.8E580	5.86.8E680	5.86.8E690	5.86.8E610

Art. 868F

(Art. 868 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

5.86.8F360	5.86.8F370	5.86.8F380	5.86.8F450	5.86.8F460	5.86.8F470	5.86.8F480	5.86.8F560	5.86.8F570	5.86.8F580	5.86.8F680	5.86.8F690	5.86.8F610

Art. 868



Art.	Pag.
375	4.35
801	5.50
801G	5.61
801I	5.61
810J	5.56
822	5.53
823	5.59
825	5.59
825A	5.61
829A	5.52
830	5.52

Art.	Pag.
850B	5.61
850C	5.61
850P	5.72
814	5.56
805VA	5.35
247T	5.35
-	-
-	-
-	-
-	-
-	-

7

Automatic Vises

GRIPMATIC

Morse Automatiche per centri di lavoro automatizzati

Automatic vises system for automatic machine centre

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

CARATTERISTICHE & VANTAGGI

- √ **USURA INESISTENTE**
- √ **RAPIDITA' DEI SERRAGGI**
- √ **PNEUMATICA O IDRAULICA**
- √ **UTILIZZO NON PRESIDIATO**
- √ **CONTROLLABILE DA CNC**
- √ **CARICO E SCARICO TRAMITE ROBOT**
- √ **PRECISIONI ± 0,02 mm**
- √ **RIGIDITA' & SICUREZZA**
- √ **DESIGN COMPATTO E MANEGGEVOLEZZA**
- √ **AUTOCENTRANTI**

TECHNICAL FEATURES & ADVANTAGES

- √ NO WEAR
- √ QUICK CLAMPING
- √ PNEUMATIC OR HYDRAULIC
- √ UNATTENDED USE POSSIBLE
- √ CNC MANAGEABLE
- √ WORKPIECE LOAD & DOWNLOAD BY ROBOT
- √ HIGHEST ACCURACIES ± 0,02 mm
- √ RIGIDITY & SAFETY
- √ SELF-CENTERING

PNEUMATICA A DOPPIO EFFETTO O IDRAULICA
PNEUMATIC DOUBLE EFFECT OR HYDRAULIC



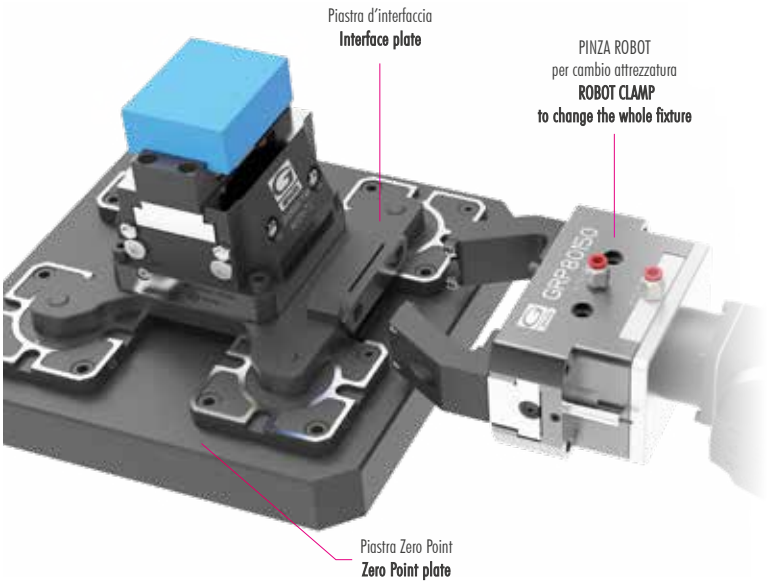
Totalmente automatica

Fully Automatic

Predisposizione per la completa gestione tramite CNC, automatizzando i processi di serraggio e incrementando così la produttività della vostra officina. Utilizzo non presidiato, Comandabile dal CNC, Ideale per carico e scarico tramite robot

Configurated for the complete handling by CNC, to automate the clamping process and increasing the productivity of your company. Unattended use possible, CNC manageable, ideal for automativ workpiece loading by robot.





Il funzionamento pneumatico o idraulico delle morse GRIPMATIC, grazie ad un pistone a doppio effetto garantisce una completa gestione in automatico delle morse. La notevole modularità permette inoltre di utilizzarle su qualunque tipologia di macchina e grazie alla predisposizione e la completa gestione tramite CNC, si ha la possibilità di automatizzare i processi di serraggio incrementando così la produttività della vostra officina.

The pneumatic or hydraulic activation of GRIPMATIC vises is made through a double effect piston that grants the complete managing of the vise. One of the main features is modularity that allows this kind of vise to be used on any type of machine and, thanks to its configuration and complete handling by CNC, it is also possible to automate the clamping process so increasing the productivity of your company.

SCAN IT TO WATCH THE VIDEO PRESENTATION

5 YEARS WARRANTY

Morse Automatiche ideali per centri a 5 assi
Automatic Vises ideal for 5 axis machining centres

GripMatic

Le Automatiche & Autocentranti
The Automatic & Self-centering

Art. 670 PN | ID



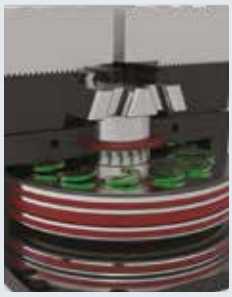
Ganasce e piastre ganasce - *Jaws and jaw plates*


ART. 671B


ART. 671A


ART. 671C

Ganasce & Piastre ganasce per morse GripMatic
Jaws & Jaw plates for GripMatic vises



Forza di serraggio
Clamping Force

Art.670	PN	ID
T.2	5,1 kN	15 kN
T.3	16 kN	32 kN
T.4	22 kN	43 kN



Predisposizione Zero Point
Zero Point Ready

Predisposizione per il posizionamento rapido e preciso della morsa GripMatic tramite piastra Zero Point (anche in automatico).

Set-up for the quick and safe positioning of the GripMatic vise through Zero Point plate (also automatic).

Tipo (grandezza) morsa / Vise (type) size		2	3	4
	kN	5,1	16	22
Stroke	A	6,4	8,5	12
	A1	58,8	106,5	124,5
	B	25	30	35
	C	80	105	130
	D	106	166	206
	E	52	78	96
	G	10	12	16
	H	90	140	170
	W	74	99	124
	kg	6,5	20	38
	Cod.	7.67.0PN20	7.67.0PN30	7.67.0PN40
	€			

Art. 670PN

NEW 2021

Modulo base morsa
autocentrante **pneumatica**
MAX 10 BAR



Self-centering vise
base module **pneumatic**
MAX 10 BAR

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 671A

Ganascia lavorabile
Soft jaw



Cod.	7.67.1A200	7.67.1A300	7.67.1A400

Art. 671B

Ganascia lavorabile ridotta
Soft narrow jaw



Cod.	7.67.1B200	7.67.1B300	7.67.1B400

Art. 671C

Ganascia predisposta
per piastre **ganasce standard ridotte**
Jaw for **narrow width standard** jaw plates



Cod.	7.67.1C200	7.67.1C300	7.67.1C400

Art. 243

Piastra ganascia piana rigata temprata
Hardened grooved straight jaw plate



Cod.	1.65.17000	1.65.27000	1.65.37000

Art. 245

Piastra ganascia piana liscia temprata
Hardened smooth straight jaw plate



Cod.	4.24.51000	4.24.52000	4.24.53000

Art. 247G

Piastra piana con inserti GRIP
Straight plate with GRIP inserts



Cod.	1.24.7G100	1.24.7G200	1.24.7G300

Dotazione standard:
- 1 perno di centraggio Art.670P*
- N°4 viti calibrate a colletto Art.83
- Valvola di non ritorno Art. PN16
- N°2 raccordi cilindrici maschi Art.PN04

* (Indicare dimensione in fase di ordine)



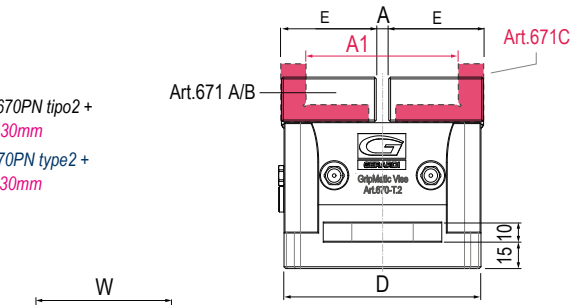
Standard equipment:
- 1 centering pin Art.670P*
- N. 4 shoulder screw Art. 83
- No return valve Art.PN16
- N.2 Straight male adaptosr Art.PN04

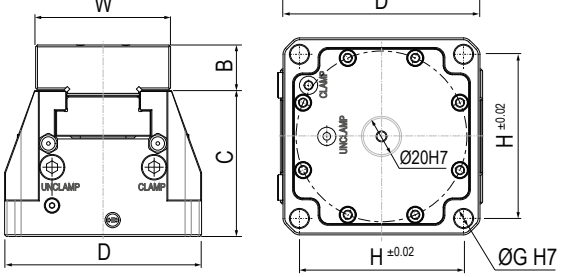
*(Dimension to be advised at order)

Art. 670PN

Esempio di ordine: *Art. 670PN tipo2 + 2x Art.671A + Art.670P Ø30mm*

Example of order: *Art. 670PN type2 + 2x Art.671A + Art.650G Ø30mm*





7

Tipo (grandezza) morsa / Vise (type) size		kN	**2** 15	**3** 25	**4** 45
Art. 670ID NEW 2021	Stroke	A	6,4	8,5	12
		A1	58,8	106,5	124,5
		B	25	30	35
		C	80	105	130
		D	106	166	206
		E	52	78	96
		G	10	12	16
		H	90	140	170
		W	74	99	124
		kg	6,5	20	38
		Cod.	7.67.0ID20	7.67.0ID30	7.67.0ID40
		€			

Modulo base morsa autocentrante **idraulica**
MAX 30 BAR* (tipo 4, MAX 25 BAR)
*Presto disponibili anche 60 o 350 BAR



Self-centering vise base module **hydraulic MAX 30 BAR*** (Type 4, MAX 25 BAR)
Soon available 60 or 350 BAR

SUGGERITA APERTURA PNEUMATICA
PNEUMATIC OPENING SUGGESTED

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 671A Ganascia lavorabile / Soft jaw		Cod.	7.67.1A200	7.67.1A300	7.67.1A400
Art. 671B Ganascia lavorabile ridotta / Soft narrow jaw		Cod.	7.67.1B200	7.67.1B300	7.67.1B400
Art. 671C Ganascia predisposta per piastre **ganasce standard ridotte** / Jaw for **narrow width standard** jaw plates		Cod.	7.67.1C200	7.67.1C300	7.67.1C400
Art. 243 Piastra ganascia piana rigata temprata / Hardened grooved straight jaw plate		Cod.	1.65.17000	1.65.27000	1.65.37000
Art. 245 Piastra ganascia piana liscia temprata / Hardened smooth straight jaw plate		Cod.	4.24.51000	4.24.52000	4.24.53000
Art. 247G Piastra piana con inserti GRIP / Straight plate with GRIP inserts		Cod.	1.24.7G100	1.24.7G200	1.24.7G300

Dotazione standard:
- 1 perno di centraggio Art.670P*
- N°4 viti calibrate a colletto Art.83
- N°2 Niplon

* (Indicare dimensione in fase di ordine)



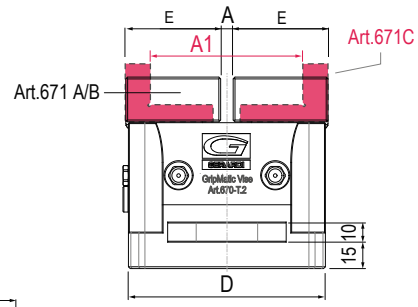
Standard equipment:
- 1 centering pin Art.640P*
- N. 4 shoulder screw Art. 83
- N.2 Niplon

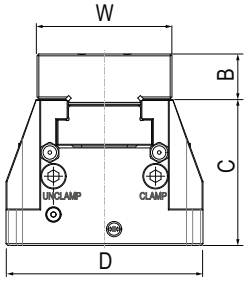
*(Dimension to be advised at order)

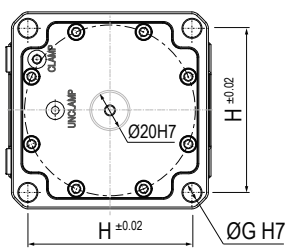
Art. 670ID

Esempio di ordine: *Art. 670ID tipo2 + 2x Art.671A + Art.670P Ø30mm*

Example of order: *Art. 670ID type2 + 2x Art.671A + Art.650G Ø30mm*







PIASTRE DI INTERFACCIA PER MORSE GRIPMATIC
INTERFACED PLATES FOR GRIPMATIC VISES

NEW 2021

Tipo (grandezza) morsa / Vise (type) size	kN	2 5,1 - 15	3 16 - 25	4 22 - 45
	A	90	140	170
	B	90	140	170
	C	-	38	-
	D	200	200	200
	E	200	200	200
	F	250	250	250
	G	250	250	250
	Cod.	7.67.0CP20	7.67.0CP30	7.67.0CP40

Art. 670CP

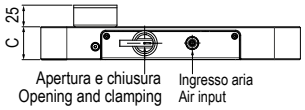
SEMI AUTOMATICA
SEMI-AUTOMATIC

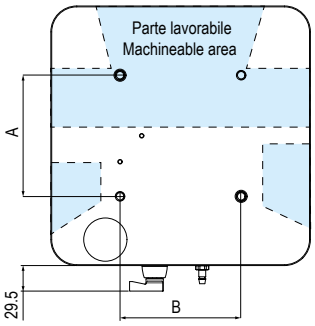
Piastra di interfaccia per morsa GripMatic Art.670 PN **semiautomatca** con innesto aria tramite attaco rapido e gestione del sistema manuale tramite selettore

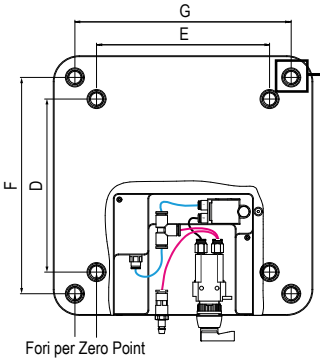


Interface plate for GripMatic vise Art.670PN **semi-automatic** quick coupling air input and manual system control through a selector.











Predisposizione Zero Point
Zero Point ready



Esempio applicativo con azionamento esterno (Pedale / joystick) su richiesta allo stesso prezzo.
Application example with external activation (pedal/ joystick) on request at the same price

7

PIASTRE DI INTERFACCIA PERSONALIZZATE PER MORSE GRIPMATIC
CUSTOMIZED INTERFACED PLATES FOR GRIPMATIC VISES

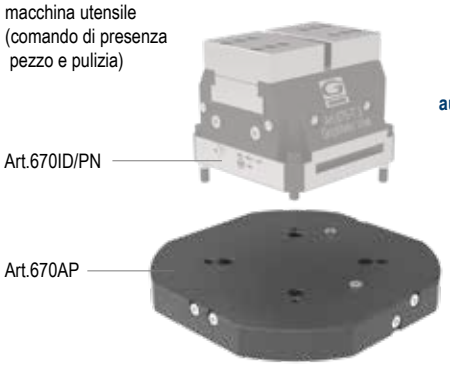
NEW 2021

Tipo (grandezza) morsa / Vise (type) size	kN	2 5,1 - 15	3 16 - 25	4 22 - 45
	Cod.	7.67.0AP20	7.67.0AP30	7.67.0AP40

Art. 670AP

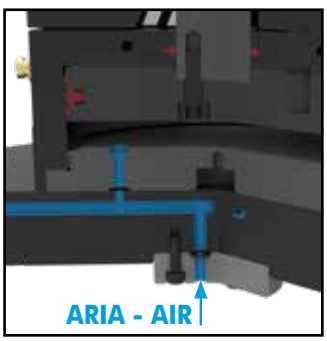
AUTOMATICA
AUTOMATIC

Piastra di interfaccia per morsa GripMatic Art.670PN **automatlca** con innesto aria/olio tramite la tavola della macchina e gestibile direttamente dal CNC.
Piastra completamente personalizzabile in base alle funzionalità della macchina utensile (comando di presenza pezzo e pulizia)

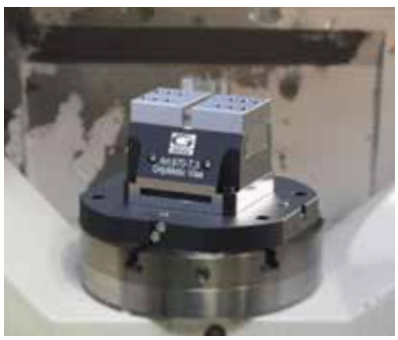


Interface plate for GripMatic vise Art.670PN **automatic** with air or oil input through the machine table and possible to be controlled directly by the CNC. This plate can be fully tailored according the characteristics of the machine (workpiece positioning check and cleanliness)

PIASTRA COMPLETAMENTE PERSONALIZZABILE !
COMPLETE CUSTOMIZABLE PLATE !



Ingresso diretto ARIA - Direct AIR input



Esempio applicativo - Applicative example

CENTRALINE PNEUMOIDRAULICHE PER MORSE GRIPMATIC
PNEUMOHYDRAULIC POWER UNIT FOR GRIPMATIC VISES

NEW 2021

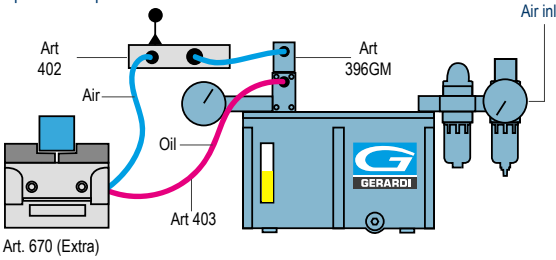
Tipo (grandezza) morsa / Vise (type) size	2	3	4
kN	5,1 - 15	16 - 25	22 - 45

Art.394 GM

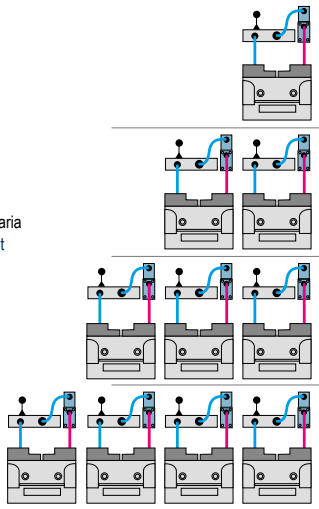
COMANDO PNEUMATICO
PNEUMATIC CONTROL

Centralina a comando pneumatico remoto. **Pressione max 33bar**
Con mantenimento e ripristino automatico della pressione desiderata.
Per il controllo da 1 a 4 morse indipendenti.

Power unit with remote pneumatic control. **Max pression 33bar**
Automatic retention and reset of desired pressure.
Up to 4 independent vises control.



Art. 670 (Extra)



1 MORSA / 1 VISES - (1 Art.402 - 1 Art.403 - 1 Art.396GM)	
Cod.	7.39.4GM331
2 MORSE / 2 VISES - (2 Art.402 - 2 Art.403 - 2 Art.396GM)	
Cod.	7.39.4GM332
3 MORSE / 3 VISES - (3 Art.402 - 3 Art.403 - 3 Art.396GM)	
Cod.	7.39.4GM333
4 MORSE / 4 VISES - (4 Art.402 - 4 Art.403 - 4 Art.396GM)	
Cod.	7.39.4GM334

Entrata ARIA 7bar, Uscita OLIO Max 33bar - AIR inlet 7bar, output OIL Max 33bar

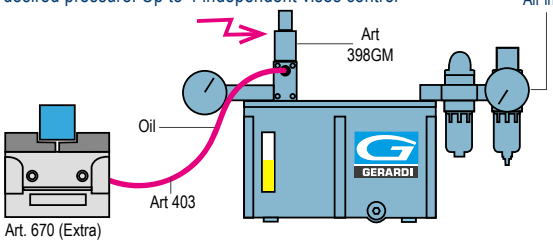
Tipo (grandezza) morsa / Vise (type) size	2	3	4
kN	5,1 - 15	16 - 25	22 - 45

Art.395 GM

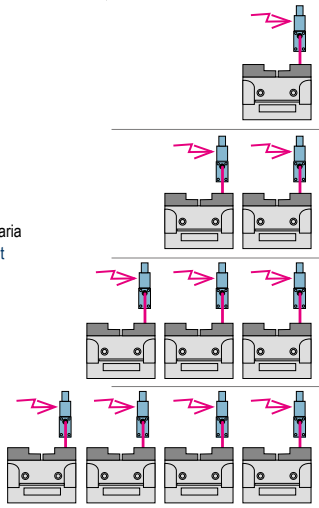
COMANDO ELETTRICO
ELECTRIC CONTROL

Centralina a comando pneumatico con azionamento elettrico e pressostato. **Pressione max 33bar**
Con mantenimento e ripristino automatico della pressione desiderata.
Per il controllo da 1 a 4 morse indipendenti

Pneumatic power unit with electric controland pressurestat **Max pression 33bar**. Automatic retention and reset of desired pressure. Up to 4 independent vises control



Art. 670 (Extra)



1 MORSA / 1 VISES - (1 Art.403 - 1 Art.398GM)	
Cod.	7.39.5GM331
2 MORSE / 2 VISES - (2 Art.403 - 2 Art.398GM)	
Cod.	7.39.5GM332
3 MORSE / 3 VISES - (3 Art.403 - 3 Art.398GM)	
Cod.	7.39.5GM333
4 MORSE / 4 VISES - (4 Art.403 - 4 Art.398GM)	
Cod.	7.39.5GM334

Entrata ARIA 7bar, Uscita OLIO Max 33bar - AIR inlet 7bar, output OIL Max 33bar

ACCESSORI E RICAMBI / SPARE PARTS

Art. 403

Tubo termoplastico completo di attacco rapido Art. 270A (m 1)
Thermoplastic pipe complete with rapid connection Art. 270A (m 1)



Cod.	4.40.30000

Per ogni metro extra / For each extra meter:

Art. 402

Distributore leva angolare, 2 vie
Angular valve, 2 ways



Cod.	9.40.20000

Art. 400

Pedale bistabile
Two positions foot pedal



Cod.	4.40.00000

Art. 396 GM

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise

Cod.	4.39.6GM00

Art. 398 GM

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)

Su richiesta: 12V / 24V / ...V
On request: 12V / 24V / ...V



Blocco modulare per comando elettrico (con pressostato) aggiuntivo per ogni morsa extra

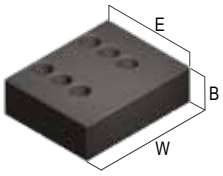
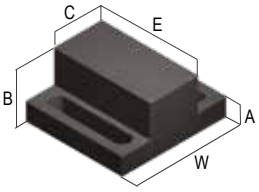
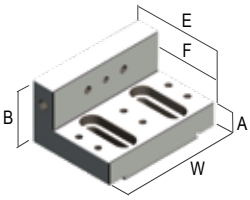
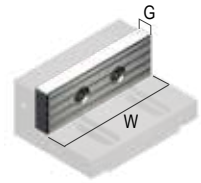
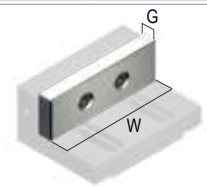
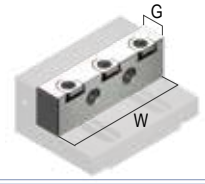
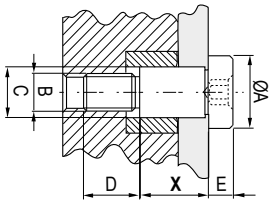
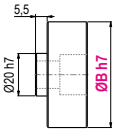
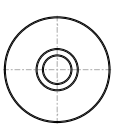
Modular block for electric control (with pressurestat) for each extra vise

Cod.	4.39.8GM00

7

GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.670
JAWS & JAW PLATES FOR MULTITASKING VISES Art.670

NEW

Tipo (grandezza) / Type (size)		2	3	4
Art. 671A* Ganascia mobile lavorabile / Soft movable jaw. Materiale temprabile 20MnCr5 / Hardenable material 20MnCr5	 	W	74	99	124
		B	25	30	35
		E	49	79	96
		Cod.	7.67.1A200	7.67.1A300	7.67.1A400
Art. 671B* Ganascia mobile lavorabile ridotta / Soft narrow movable jaw. Materiale temprabile 20MnCr5 / Hardenable material 20MnCr5	 	W	40	65	81
		A	10	10	15
		B	25	30	35
		C	15	28	38
		E	40	65	81
		Cod.	7.67.1B200	7.67.1B300	7.67.1B400
Art. 671C* Ganascia mobile predisposta per piastre ganasce standard ridotte / Movable jaw for narrow standard jaw plates. * Viti per fissaggio a richiesta / Fixing screws on request	 	W	74	94	124
		A	13,5	18	18
		B	38	48	58
		E	45	70	87
		F	30	51	62
		Cod.	7.67.1C200	7.67.1C300	7.67.1C400
Art. 243* Piastra ganascia piana rigata temprata / Hardened grooved straight jaw plate. * Viti per fissaggio a richiesta / Fixing screws on request		W	74	94	124
		G	19	19	19
		Cod.	1.65.17000	1.65.27000	1.65.37000
Art. 245* Piastra ganascia piana liscia temprata / Hardened smooth straight jaw plate. * Viti per fissaggio a richiesta / Fixing screws on request		W	74	94	124
		G	19	19	19
		Cod.	4.24.51000	4.24.52000	4.24.53000
Art. 247G* Piastra piana con inserti GRIP / Straight plate with GRIP inserts. * Viti per fissaggio a richiesta / Fixing screws on request		W	74	94	124
		G	20	20	20
		Cod.	1.24.7G100	1.24.7G200	1.24.7G300
Art. PN16 Valvola direzionale di non ritorno - 1/8" Gas / Unidirectional check valve - 1/8" Gas		Cod.	9.PN.16000		
Art. PN20 Raccordo a Y Ø6 - Ø8 / Y adaptor Ø6 - Ø8		Cod.	9.PN.20006/8		
Art. 83 Vite Calibrata a colletto / Schoulder calibrated screw	 	A	16	18	24
		B	M8	M10	M12
		C	10h7	12h7	16h7
		D	15	15	18
		E	7	8	11
		X	30	40	45
		Cod.	8.83.10300	8.83.12400	8.83.16450
Art. 670IDL Adattatore per innesto diretto / Direct input adaptor		Cod.	7.67.0IDL20	7.67.0IDL30	
Art. 670P Perno di centraggio / Straight pin	  	ØB	20 - 30 - 38,1 - 50 - 50,8		
		Cod.	7.67.0P3000		

Specificare sempre quota B - Specify always B dimension

7

Clamping system

DOVE TAIL

Sistema a Coda di Rondine per centri a 5 assi

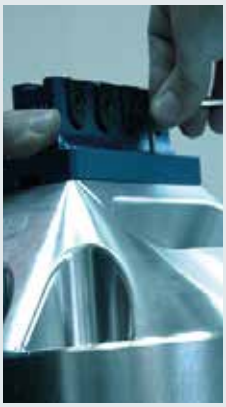
Irreversible Dove Tail system for 5th axis centres

Il sistema ad incastro irreversibile DOVE TAIL grazie alla sua versatilità e conformazione che garantisce una rigidità estrema consente un ottimizzazione dei tempi di attrezzaggio e di lavorazione dei particolari

Thanks to its versatility and shape, which gurantees an exceptional rigidity, our Irreversible DOVE TAIL system also ensures an optimisation of set-up and machining times.

Insuperabile per particolari di dimensioni ridotte

Unbeatable to clamp small workpieces



Serraggio ad incastro e rilascio graduale

Irreversible clamping and gradual unclamping

Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un efficace chiusura ad incastro irreversibile. La molla all'interno permette un rilascio graduale del tassello di bloccaggio

The workpiece is clamped through a Dovetail nut that exploits the lever effect of the main screw and ensures an effective clamping. The internal spring allows a gradual release of the blocking nut.

SCAN IT TO WATCH THE VIDEO PRESENTATION

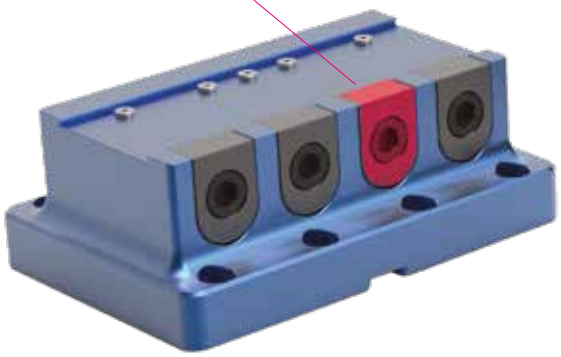
5 YEARS WARRANTY



Art. 950

***NON DISPONIBILE PER IL MERCATO AMERICANO**
NOT AVAILABLE FOR AMERICAN MARKET







Sistema irreversibile

Irreversible system

Ogni particolare può essere serrato tramite il sistema a Coda di Rondine pre-lavorando la faccia inferiore, creando una sagoma dell'altezza di 3mm e un angolo di 60°. Il sistema a coda di rondine è un sistema ad incastro irreversibile che garantisce un' estrema rigidità della presa pezzo durante tutti i tipi di lavorazione.

Each part can be clamped through Dove Tail system simply machining in advance the lower side, by creating a 3mm high template and a 60° angle. Dove Tale system is an irreversible interlocking system which guarantees an exceptional rigidity of the clamping during all types of machining.



Rialzo Piramidale

Pyramidal riser

Il supporto piramidale speciale consente di montare 4 sistemi a coda di rondine contemporaneamente inclinati a 30° incrementando così lo spazio di lavoro e le possibilità di lavorazione e riducendo altresì i tempi morti.

The pyramidal riser allows the simultaneous mounting of 4 Dove tail systems inclined at 30° thus increasing the working space, widening the machining possibilities and also reducing the dead times.

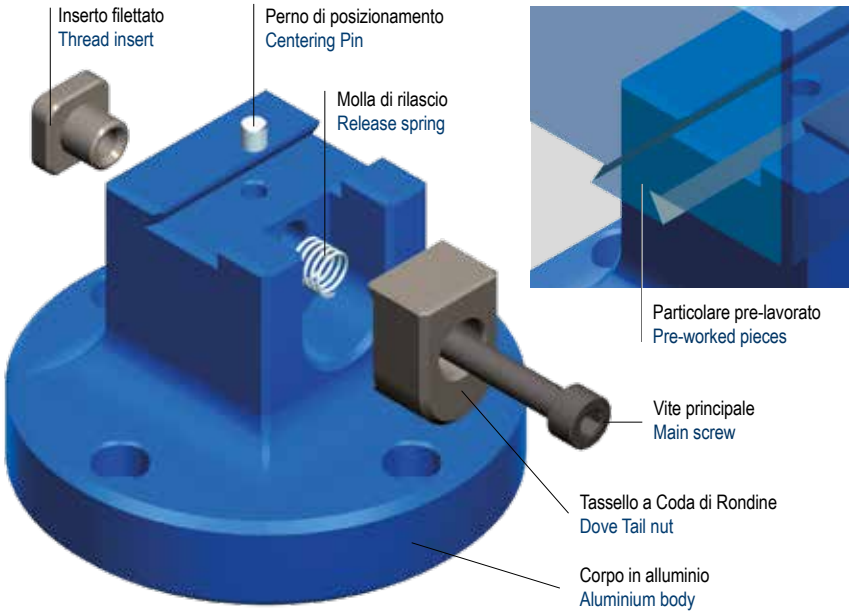
SISTEMA A CODA DI RONDINE
DOVE TAIL FIXTURES

NEW

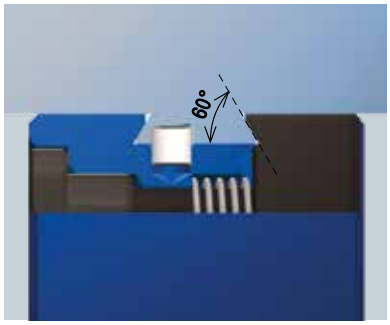
Art.690

Il sistema a Coda di Rondine è progettato specificatamente per le lavorazioni su centri a 5 assi.
Grazie alla sua versatilità e conformazione offre un ottimizzazione dei tempi di attrezzaggio e di lavorazione dei particolari.
Il sistema Coda di Rondine è compatibile con l'ampia gamma di attrezzature Gerardi, in particolare con il sistema Zero Point e tavole a cambio rapido ed è possibile applicarlo sui più conosciuti centri di lavoro al mondo.

The Dove Tail System is designed specifically for machining on 5 Axis machine centers.
Thanks to its versatility and shape it guarantees the best set up and machining times.The Dove Tail System is obviously compatible with the widest range of Gerardi fixtures in especially with Zero Point systems and with quick change tables and it is possible to use it on the worldwide most popular Machine Centers.

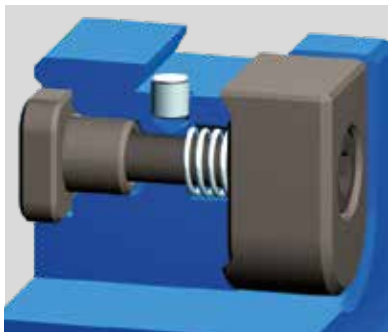


COME SERRARE UN PARTICOLARE CON IL SISTEMA A CODA DI RONDINE
HOW TO CLAMP WORKPIECES WITH DOVE TAIL FIXTURE



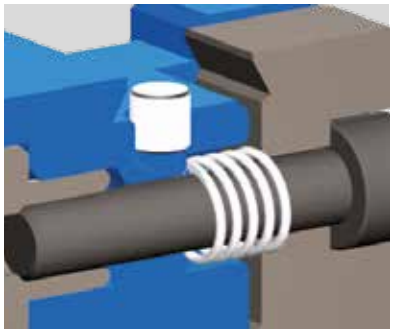
1 PREDISPOSIZIONE CODA DI RONDINE
DOVE TAIL SET-UP

Ogni particolare può essere serrato tramite il sistema Coda di Rondine pre-lavorando la faccia inferiore mediante l'apposita fresa, creando una sagoma dell'altezza di 3mm e un angolo di 60°.
Each workpiece can be clamped on the Dove Tail system machining firstly the lower face through the proper milling cutter in order to create a 3mm height shape with a 60°angle.



2 PERNO DI POSIZIONAMENTO
CENTERING PIN

Il perno di posizionamento del sistema Coda di Rondine ha la funzione di assicurare sempre un rapido e perfetto centraggio del particolare da lavorare garantendo la massima ripetibilità.
The positioning pin of the Dove Tail System is for ensuring always a quickest and perfect workpiece centering which will then guarantee the max repeatability.



3 SERRAGGIO & RILASCIO GRADUALE
CLAMPING & GRADUAL RELEASE

Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un efficace chiusura. La molla all'interno permette un rilascio graduale del tassello di bloccaggio.
The workpiece is clamped through the Dove Tail System which exploiting the leverage created by the main screw ensures a perfect clamping. The internal spring allows a gradual release of the clamping nut.

SISTEMA A CODA DI RONDINE in ALLUMINIO
ALUMINIUM DOVE TAIL FIXTURES

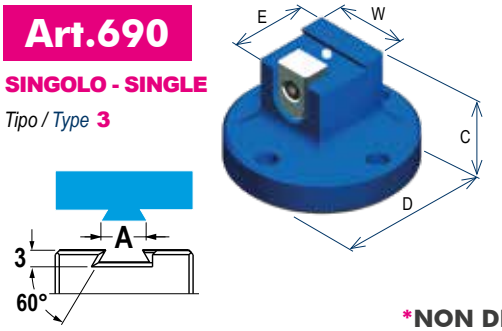
NEW

Tipo (grandezza) - (type) size (inch) Grandezza coda di rondine - Dove tail dimension	A"	1 0,281"	2 0,375"	3 0,5"	4 0,75"	5 1,5"	6 2,25"
Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
	C	50	50	50	50	70	70
	D	Ø56	Ø56	Ø76	Ø86	Ø116	88x132
	E	20	22	34	40	70	88
	W	20	22	34	40	50	48
	Forma Shape	○	○	○	○	○	▭
	kg	0,3	0,4	0,9	1,1	3,2	3,6
	Cod.	12.690.101	12.690.201	12.690.301	12.690.401	12.690.501	12.690.601

Art.690

SINGOLO - SINGLE

Tipo / Type **3**



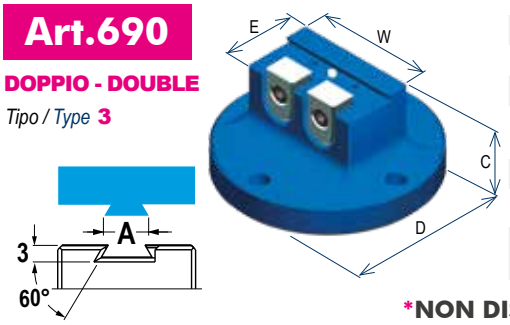
***NON DISPONIBILE PER IL MERCATO AMERICANO - *NOT AVAILABLE FOR U.S. MARKET**

Tipo (grandezza) - (type) size (inch) Grandezza coda di rondine - Dove tail dimension	A"	1 0,281"	2 0,375"	3 0,5"	4 0,75"	5 1,5"	6 2,25"
Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
	C	-	-	50	50	70	70
	D	-	-	Ø98	Ø104	110	110x128
	E	-	-	34	40	70	88
	W	-	-	60	60	90	90
	Forma Shape	-	-	○	○	▭	▭
	kg	-	-	1,4	1,6	4,4	5,3
	Cod.	-	-	12.690.302	12.690.402	12.690.502	12.690.602

Art.690

DOPPIO - DOUBLE

Tipo / Type **3**



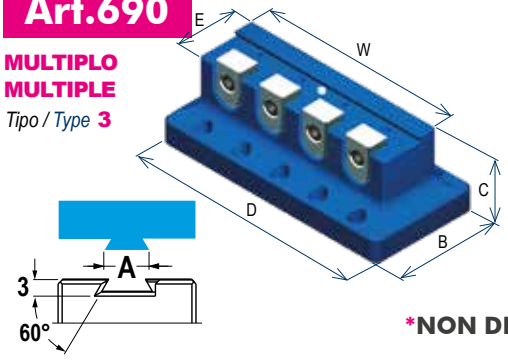
***NON DISPONIBILE PER IL MERCATO AMERICANO - *NOT AVAILABLE FOR U.S. MARKET**

Tipo (grandezza) - (type) size (inch) Grandezza coda di rondine - Dove tail dimension	A"	1 0,281"	2 0,375"	3 0,5"	4 0,75"	5 1,5"	6 2,25"
Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
	B	-	-	64	70	110	128
	C	-	-	50	50	70	70
	D	-	-	140	140	190	190
	E	-	-	34	40	70	88
	W	-	-	120	120	170	170
	Forma Shape	-	-	▭	▭	▭	▭
	kg	-	-	2,1	2,4	7,9	9,6
	Cod.	-	-	12.690.304	12.690.404	12.690.504	12.690.604
	€	-	-	921*	1.708*	1.708*	1.708*

Art.690

MULTIPLO
MULTIPLE

Tipo / Type **3**



***NON DISPONIBILE PER IL MERCATO AMERICANO - *NOT AVAILABLE FOR U.S. MARKET**

Art.690G

Gruppo di serraggio completo per sistema a coda di rondine
Complete clamping kit for Dove tail System



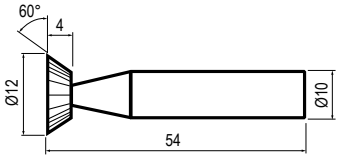
	1	2	3	4	5	6
Cod.	126906001	126906002	126906003	126906004	126906005	126906006

***NON DISPONIBILE PER IL MERCATO AMERICANO - *NOT AVAILABLE FOR U.S. MARKET**

Art.690DTF

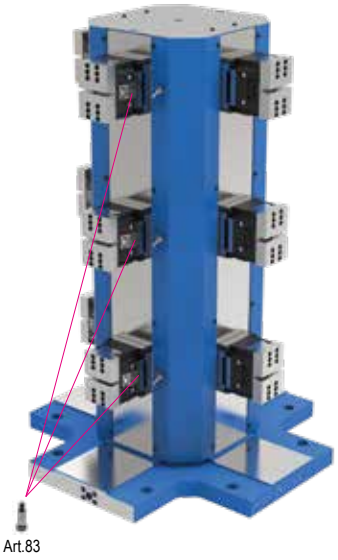
Utensile fresa per realizzare la base del particolare da bloccare
Milling tool for working the base of the workpiece to clamp





	1	2	3	4	5	6
Cod.	7.69.0DTF10					

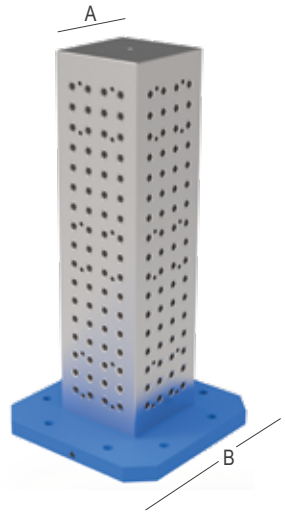
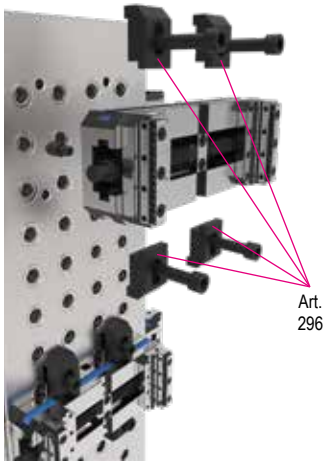
PREDISPOSIZIONE e MONTAGGIO MORSE su SPALLE LAVORATE
TOMBSTONES SET-UP and VISES MOUNTING on 2 SIDE MACHINED TOMBSTONES

Cubo lavorato Art.57C Machined cube Art.57C	**Tipo di morsa** Vise type	**Predisposizione e montaggio*** Set-up & Mounting*	**Cubo con morse** Cube with vises
Cod. 8.57.C00140 Dim. A=300 / B=630 / E=150 / H=950	Art.670 Type 2 + 2x Art.671A	Per morsa / each vise	
			
	n°morse Vises n° x **12**	Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni morsa. Amount needed for the set-up of each side and mounting + alignement of each vise on it.	

* Predisposizione lato cubo, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

MONTAGGIO e ALLINEAMENTO MORSE su CUBI a RETICOLO
ALIGNEMENT and VISES MOUNTING on GRID TOMBSTONES

Cubo a reticolo Art.53F Grinded tombstone Art.53F	**Tipo di morsa** Vise type	**Montaggio e allineamento*** Mounting and alignment*	**Cubo con morse** Cube with vises
Cod. 8.53.F00107 Dim. A=250 / B=500 / H=1000	Art.650 Tipo 2x240	Per morsa / each vise	
			
	n°morse Vises n° x **12**		

* Montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
Vises mounting and alignement including screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

Diagrammi serraggio / *Clamping diagrams*

Multitasking

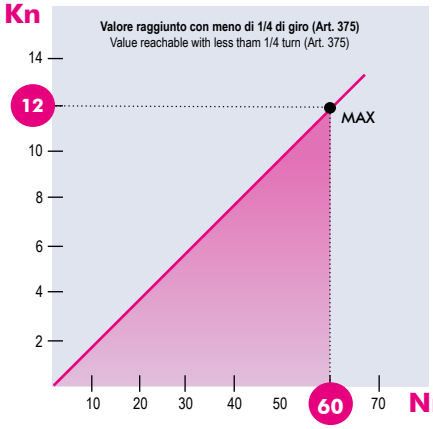
Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Art. 357

Morse tipo 1
Vises type

Vite TPF18 - Passo 2mm
Screw TPF18 - Pitch 2mm

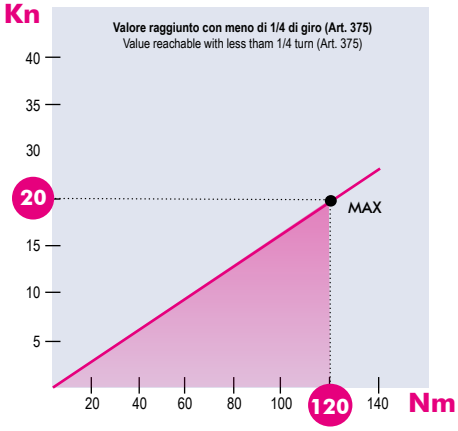




Art. 357

Morse tipo 2
Vises type

Vite TPF24 - Passo 2mm
Screw TPF24 - Pitch 2mm

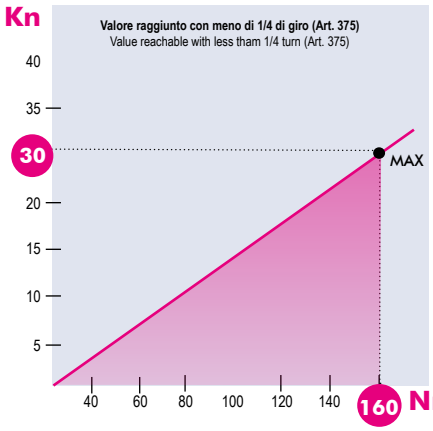


Gruppi di serraggio meccanici / *Mechanical clamping devices*

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione del momento applicato
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) depending on the torque

Morse tipo 3
Vises type

Vite TPF24 - Passo 2mm
Screw TPF24 - Pitch 2mm

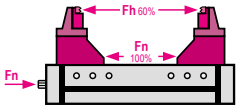




Art. 357

FMS

Art. 868



Tipo morsa / Vise type	1	2	3 - 4	5 - 6
Vite / Screw TPF	18 / 20mm	18 / 24mm	24 / 30mm	30 / 36mm
Passo / Pitch	2mm	2mm	2mm	3mm

Morse tipo 1 (Max 25 kN - 120 Nm)
Vises type 1 (Max 25 kN - 120 Nm)

Morse tipo 2 (Max 25 kN - 140 Nm)
Vises type 2 (Max 25 kN - 140 Nm)

Morse tipo 3 - 4 (Max 30 kN - 200 Nm)
Vises type 3 - 4 (Max 30 kN - 200 Nm)

Morse tipo 5 - 6 (Max 32 kN - 240 Nm)
Vises type 5 - 6 (Max 32 kN - 240 Nm)

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

Diagrammi di serraggio / *Clamping diagrams*

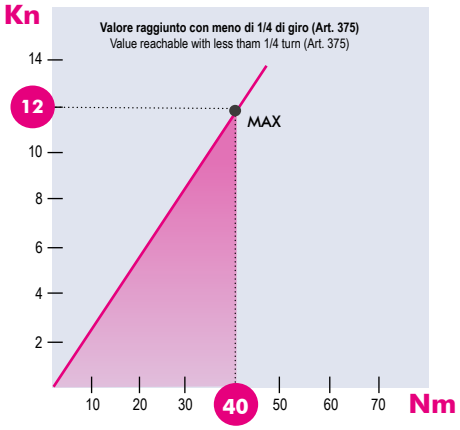
CompactGrip

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench **Art. 357**

Morse tipo 1
Vises type

Vite TPF18 - Passo 2mm
Screw TPF18 - Pitch 2mm

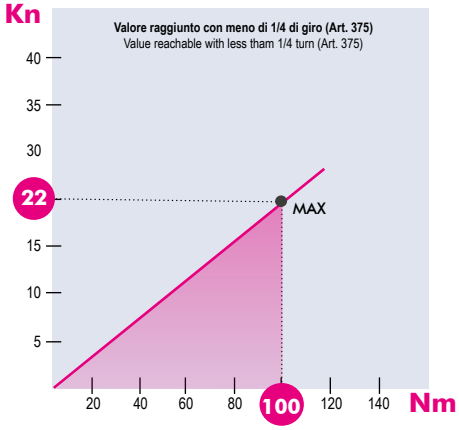




Art. 357

Morse tipo 2
Vises type

Vite TPF24 - Passo 2mm
Screw TPF24 - Pitch 2mm

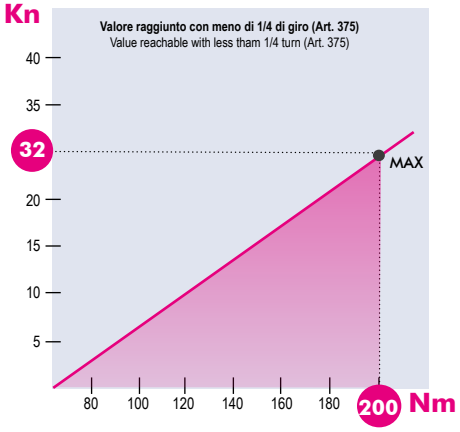


Gruppi di serraggio meccanici / *Mechanical clamping devices*

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione del momento applicato
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) depending on the torque

Morse tipo 3
Vises type

Vite TPF24 - Passo 2mm
Screw TPF24 - Pitch 2mm





Art. 357

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

Diagrammi di serraggio / *Clamping diagrams*

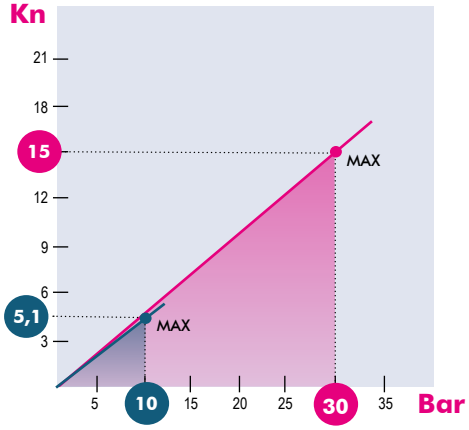
GripMatic

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench **Art. 357**

Morse tipo 2
Vises type

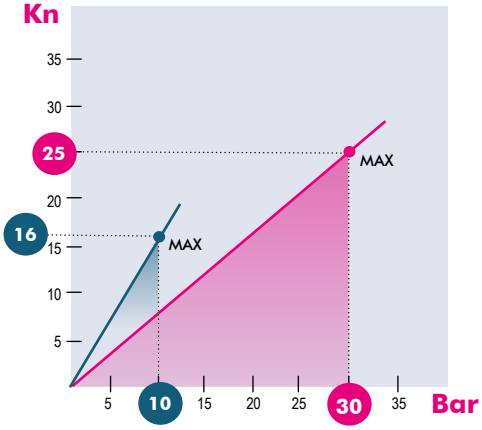
Pistone Ø85mm -
Superficie utile 51,8mm^2
Hydraulic cylinder Ø85mm
Effective surface 51,8mm^2



(1 bar = 14,5 psi)

Morse tipo 3
Vises type

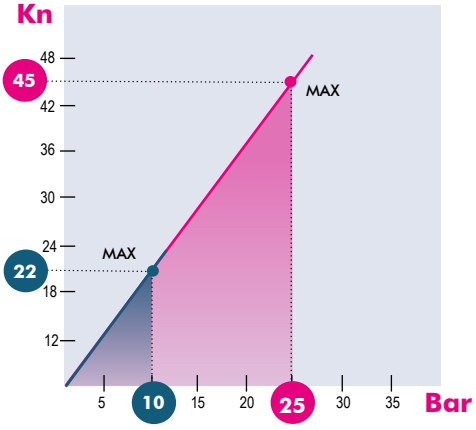
Pistone Ø135mm -
uperficie utile 132,3mm^2
Hydraulic cylinder Ø135mm -
Effective surface 132,3mm^2



Gruppi di serraggio idraulici / *Hydraulic clamping devices*
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 2 a 4). In funzione della pressione dei fluidi (aria e olio).
The following diagrams give the clamping force that can be obtained with each vise type (size 2 to 4) as a function of the fluid pressure (air or oil).

Morse tipo 4
Vises type

Pistone Ø170mm
Superficie utile 209,5mm^2
Hydraulic cylinder Ø170mm
Effective surface 209,5mm^2



(1 bar = 14,5 psi)

Valore massimo consigliato **(ARIA)**

Max suggested value **(OIL)**

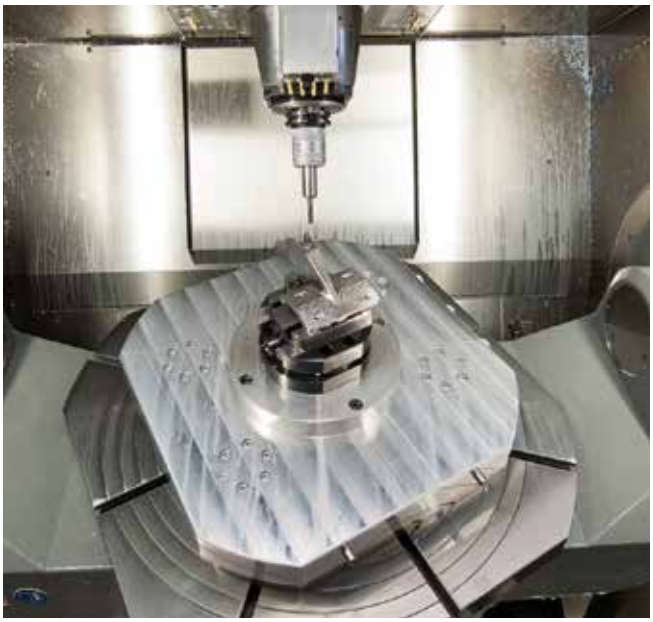
NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

MORSE MULTITASKING
MULTITASKING VISES

Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

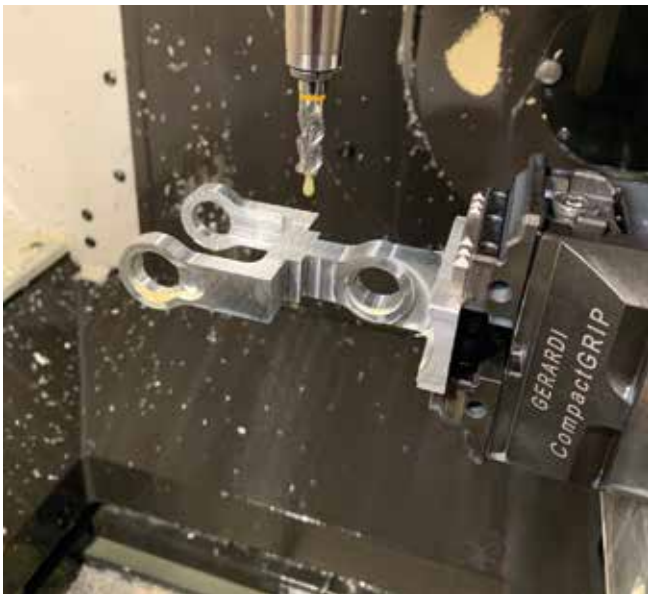


MORSE COMPACTGRIP
COMPACTGRIP VISES

Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

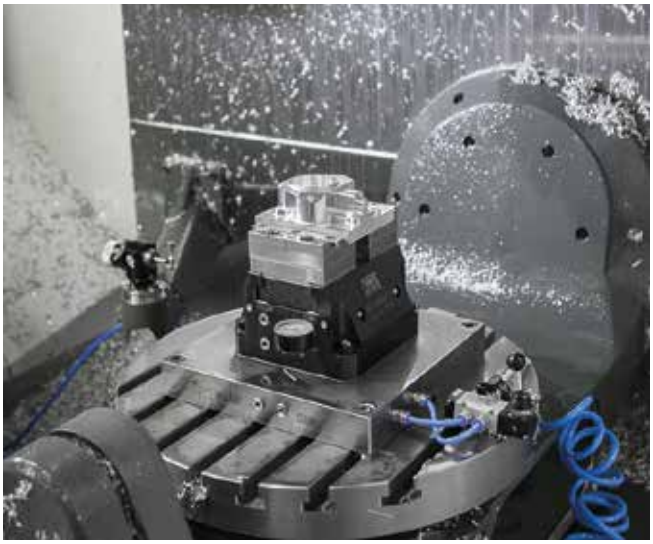


MORSE GRIPMATIC
GRIPMATIC VISES

Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions





GERARDI

8

For Horizontal machining centres!

TOMBSTONES

Cubi, Piastre e Pallets / *Cubes, Plates and Pallets*

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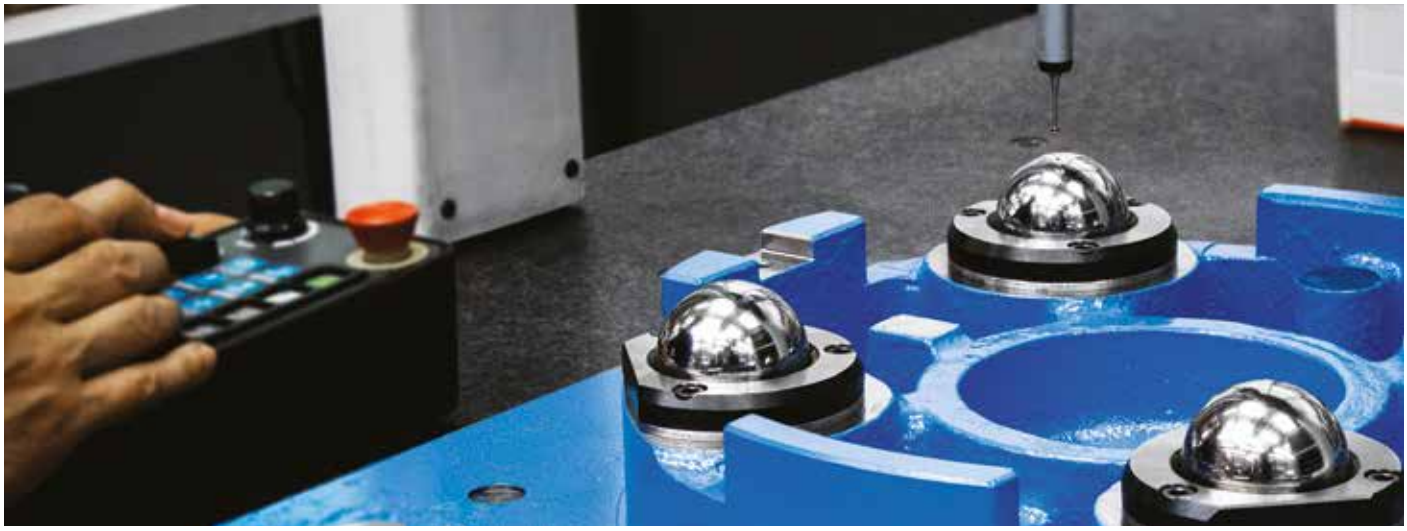
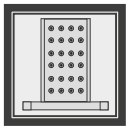
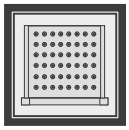
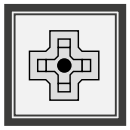
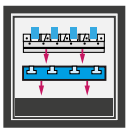
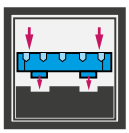
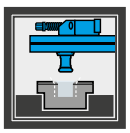
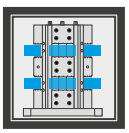
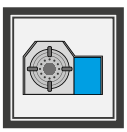
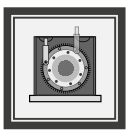
VERIFICHE DIMENSIONALI TRAMITE MACCHINE DI MISURA
DIMENSIONAL CHECK THROUGH MEASUREMENT MACHINES



SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

MODELLI PORTAPEZZI TOMBSTONE MODELS			 Cubi Cubes	 Spalle 2 Sides tombstones	 Cubi a croce Cross cubes	 Squadre Angles
PIASTRE E PALLET PLATES AND PALLET					 Piastre e sovratavole Plates & Interfaced plates	 Pallet macchina Machine pallet
POSSIBILITÀ DI POSSIBILITY OF			 Posizionamento & cambio rapido Quick change & positioning	 Cubi-morsa Vise tower	 Divisore Automatico Automatic dividing head	 Divisore Meccanico Mechanical dividing head
PAGINE PAGES					 Accessori & Ricambi Accessories & Spare Parts	 Istruzioni corretto utilizzo Instruction for a proper use

Portapezzi
TOMBSTONES

Cubi, spalle, squadre, piastre, pallets

Cubes, 2 sides tombstones, Angle plates, plates

Precisione / Accuracy
±0,005mm

HRC

Durezza / Hardened
HRC 58±2

QUALITÀ GERARDI

1 - FUSIONE MONOBLOCCO IN GHISA G30

2 - DOPPIO TRATTAMENTO TERMICO DI DISTENSIONE

3 - LAVORAZIONE COMPLETA DI FRESATURA E PREDISPOSIZIONE PER NOSTRO SISTEMA ZERO POINT

4 - DISTENSIONE NATURALE DI RIPOSO MINIMO 48 ORE

5 - RASCHIETTATURA BASE D'APPOGGIO PER UNA PLANARITA' PERFETTA

6 - LAVORAZIONE COMPLETA DI FINITURA

7 - ESECUZIONE DI FORI O CAVE DI POSIZIONAMENTO E CENTRAGGIO PORTAPEZZO SULLA BASE D'APPOGGIO RASCHIETTATA

8 - CONTROLLO DIMENSIONALE PORTAPEZZO

9 - EVENTUALE RITOCCO TRAMITE RASCHIETTATURA PER RIPORTARE IL PORTAPEZZO NELLA PERPENDICOLARITÀ,ORTOGONALITÀ E PARALLELISMO PREVISTI

10 - IDENTIFICAZIONE TRAMITE NUMERO DI MATRICOLA INCISO SUL PORTAPEZZO CON ALLEGATO CERTIFICATO DI COLLAUDO

GERARDI QUALITY

1 - INTEGRAL CAST IRON G30 CASTING

2 - DOUBLE STRESS RELIEVING HEAT TREATMENT

3 - COMPLETE ROUGH MILLING WORK AND PREARRANGED WORK FOR THE USE OF OUR ZERO POINT GERARDI SYSTEM

4 - NATURAL 48 HOURS STRESS RELIEVING

5 - HAND SCRAPING OF BOTTOM BASE FACE FOR A PERFECT PLANARITY

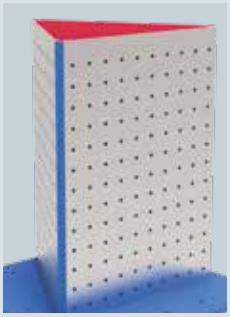
6 - COMPLETE MACHINE FINISHING

7 - BASE FACE TAILOR-MADE, TOMBSTONE CENTERED ON THE HAND SCRAPE BASE PLATE

8 - DIMENSIONAL CONTROL AND QUALITY CHECK

9 - SOME HAND-SCRAPED COULD BE MADE IN ORDER TO GET A PERFECT - PARALLELISM - ORTOGONALITY AND PERPENDICULARITY WITHIN THE QUOTED TOLERANCES.

10 - PART IDENTIFICATION ENGRAVED ON THE PRODUCT WITH INSPECTION SHEET INCLUDED.

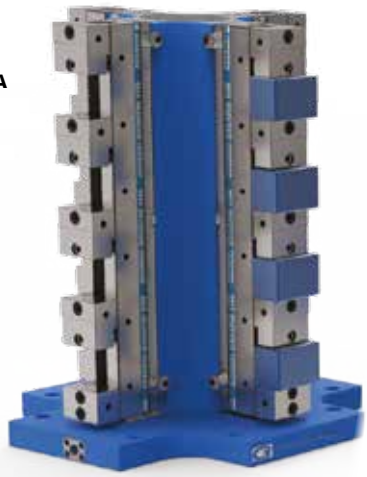


Soluzioni Speciali
Specific Tombstones

Soluzioni speciali e personalizzate integrate con sistemi di bloccaggio adeguati possono essere studiate e realizzate su richiesta per sfruttare al meglio il campo di lavoro e le capacità delle macchine.

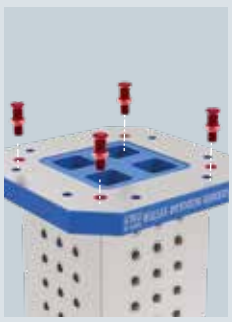
Specific or tailor-made tombstones complete with clamping systems applications could be studied and manufactured on request in order to better exploit the machines runs and capacity

Cubo a croce
Cross cube





Cubo a reticolo
Grid Cube



Predisposizione Zero Point
Zero Point Ready

Predisposizione della base di appoggio di 4 fori Ø20F7 e filetto M16 con interassi precisi, pronte per l'utilizzo dei ns. Zero point, oppure per l'interfacciamento con altri pallet o piastre.

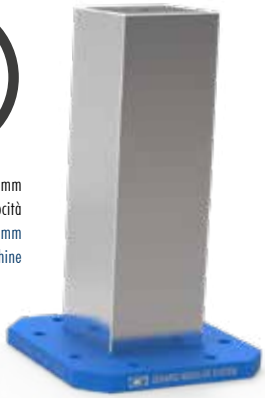
Base with 4 precision holes Ø 20F7 and bottom threads M16 with precise pitch dimensions for the use of our Zero Point or to be interfaced with other pallets or head plates

A supporto ed integrazione dei sistemi di bloccaggio la GERARDIha progettato e via via sviluppato una gamma di portapezzi in fusioni monoblocco di ghisa G30(con pareti spessore 43-45mm circa e con doppio trattamento di distensione e stabilizzazione) e recentemente anche di alluminio speciale ad alta resistenza.Tali prodotti possono essere forniti nelle forme di: Cubi, Spalle, Squadre, Piastre, Mensole e speciali a richiesta. L' importanza sempre maggiore di questi prodotti deriva dallo sviluppo e diffusione di centri di lavoro orizzontali e sistemi pallettizzati che richiedono appunto tali strutture di supporto per le attrezzature o per i pezzi da lavorare stessi. I controlli vengono eseguiti con macchine tridimensionali su ogni pezzo eseguito.

To support and complete the Gerardi Modular Workholding System a more and more strategic and important role is played by all the range of modular tombstones and sub-plates. They are manufactured in the most different shapes and versions, anyway always provided in one solid cast iron cast G30 with walls about 40 mm thickness and with double stress relieving heat treatment. Recently in high resistence alluminum.The shapes available are: Cubes, Two side tombstone, Angles, Plates and subplates, Shelves and special on specific request. The greater importance of such products originates from the development and widespread of Horizontal machining centres and multipallet systems which require just such structures to support the fixtures or work-pieces.The checking is carried out piece by piece on a 3-dimensional machine.

Cubo leggero
Light Cube

Nuova serie di cubi ALLEGGERITA con pareti di spessore 20/25mm ideali per centri di lavoro ad alta velocità
New cubes light series with wall reduced thickness 20/25mm ideal for high speed machine



Spalla a reticolo
2 side tombstone



Qualsiasi modifica, lavorazione o personalizzazione extra sara' eseguita previo preventivo. Per le versioni speciali pagamento 50% all'ordine. Il ns.ufficio tecnico è a Vs. disposizione per eventuali chiarimenti e consegne

Any special requirment will be quoted "Extra" for special type payment 50% on order. Our technical department is alwais available for any explanations or delivery time

Per centri di lavoro orizzontali

For horizontal machining centre

DISPONIBILI IN 5 VERSIONI DIVERSE
AVAILABLE IN 5 DIFFERENT FINISHING



Versione A - Type A

SGROSSATI DI FRESA - ROUGH MILLED*

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.Pareti spessore 43-45 mm (Sovrametallo 10 mm)
*Alcuni modelli indicati non vengono sgrossati

One integral G30 cast iron casting rough milled with doubles stress relieving heat treatment. Wall thickness 43-45 mm (10 mm stock)
*Few highlighted items are not rough milled

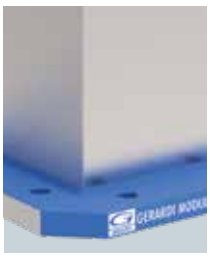


Versione B - Type B

BASE FINITA - BASE FINISHED

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japaneese standard pallet.

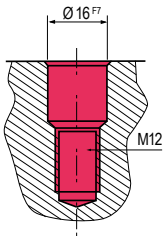


Versione C - Type C

COMPLETAMENTE LAVORATI - COMPLETELY FINISHED

Cubo completamente finito con pareti spessore 38-40 mm circa. Tolleranza ± 0,02 mm

Cube completely finished with wall thickness roughly 38-40 mm. Tollerance ± 0,02 mm



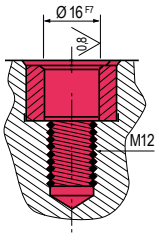


Versione E - Type E

RETICOLO INTEGRALE - GRID CUBE

Cubo a reticolo con fori calibrati e filetti integrali nella fusione. Tolleranza ± 0,02 mm

Integral cube with calibrated holes and solid threads in the casting itself. Tollerance ± 0,02 mm





Versione F - Type F

RETICOLO CON BUSSOLE - GRID CUBE WITH BUSHINGS

Cubo a reticolo con bussole di centraggio in acciaio temprato 100 Cr6 DIN 179C. Filetti riportati in acciaio inox 18/8. Tolleranza 0,02 mm

Integral cube with centering bushings in special hardened alloy steel 100Cr6 - DIN 179C. Inserted threads are in 18/8 stainless steel. Tollerance ± 0,02 mm

8

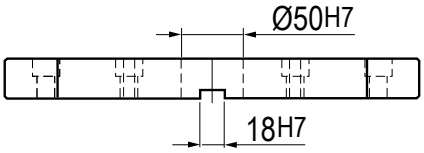
INTERFACCIAMENTO STANDARD
STANDARD INTERFACE

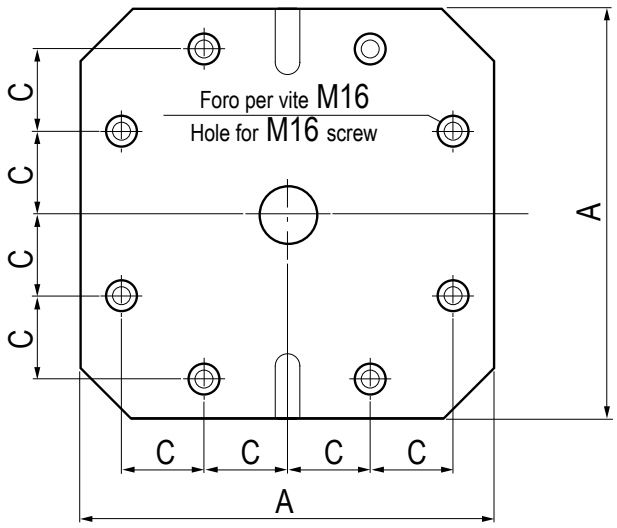
STANDARD EUROPEO EUROPEAN STANDARD				
A	400	500	630	800
B	-	-	-	-
C	80	100	125	160

STANDARD GIAPPONESE (Normativa JIS) JAPANESE STANDARD (Normative JIS)				
A	400	500	630	800
B	55	75	100	135
C	80	100	125	160

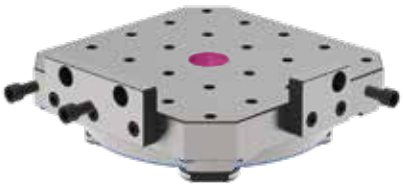


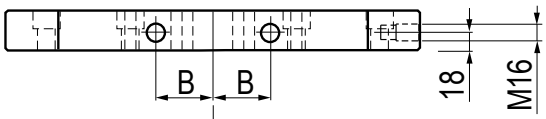


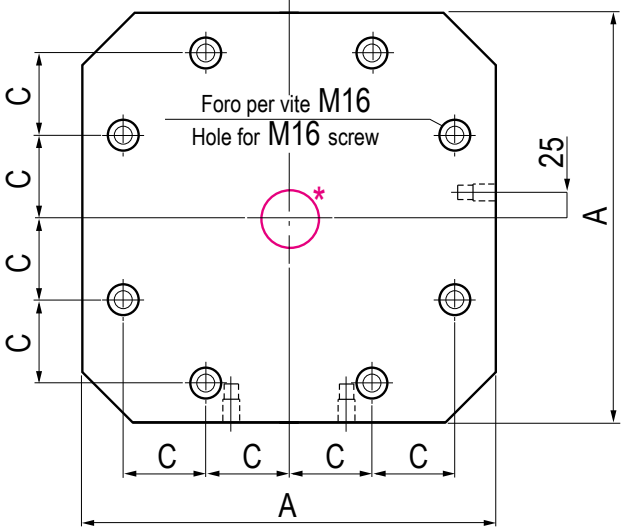












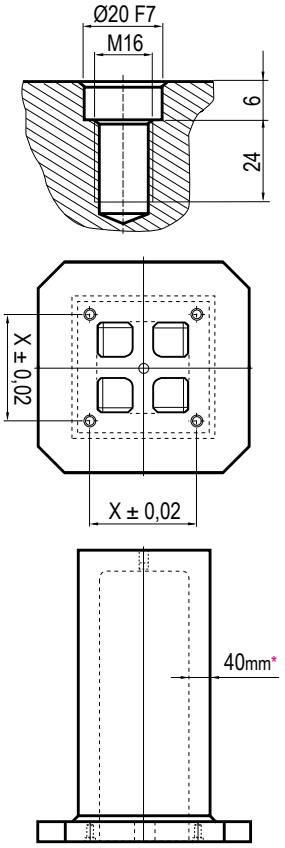
Foro centrale **(OPZIONE)*** - Central hole **(OPTIONAL)*** = **€105**

COME LAVORARE I PORTAPEZZI, TRAMITE ZERO POINT E STAFFE INTELLIGENTI
HOW TO MACHINE TOMBSTONES WITH ZERO POINT AND INTELLIGENT CLAMPS

Tutti i ns. portapezzi (escluso la fusione grezza), sono predisposti, sulla base di appoggio con forature e filettature per l'uso dei tiranti Zero-Point Art.11A T.2 Questo principalmente significa che tutti i ns. portapezzi possono essere velocemente fissati, posizionati e lavorati sulle 5 facce senza nessun impedimento per quanto riguarda il percorso utensili.

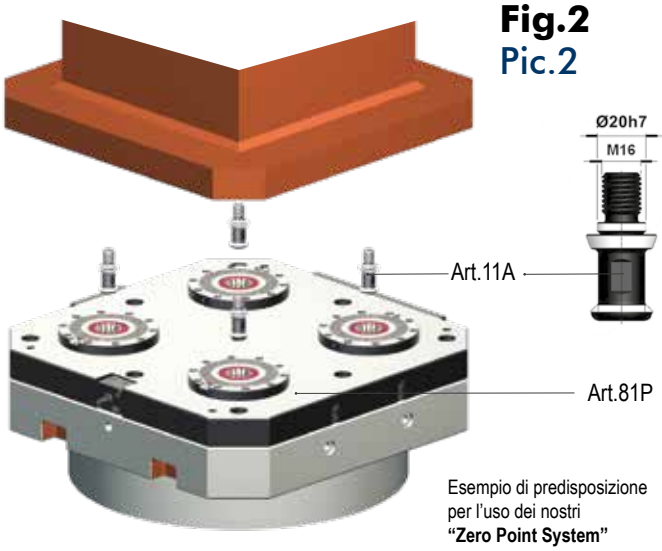
All our tombstone fixture (rough cast iron casting escluded) are pre-worked and prepared on the bottom base face for our Zero-Point pull-stud Art.11A T.2. This important feature will give you many possible application.

Fig.1
Pic.1



* Sulle superfici grezze aggiungere 5mm
* Add 5mm on the rough surfaces

Fig.2
Pic.2

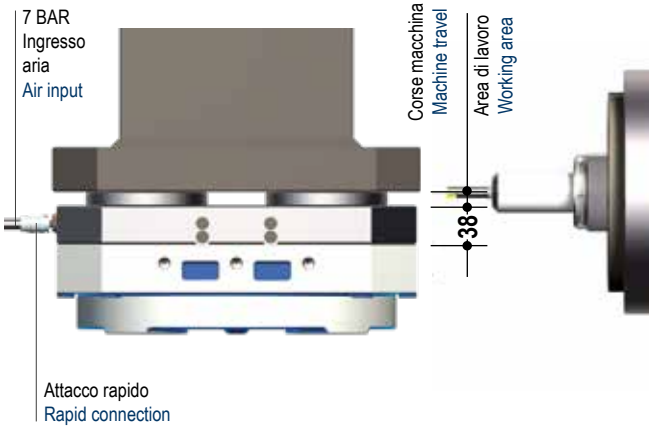


Esempio di predisposizione per l'uso dei nostri **"Zero Point System"**
Prearranged work for the use of our **"Zero Point System"**

Per montaggio, posizionamento e ancoraggio istantaneo con necessità di collegamento pneumatico solo per lo sbloccaggio. Il bloccaggio è meccanico tramite molle. Con questo sistema il pallet può tranquillamente essere movimentato senza l'ausilio di collegamenti elettrici, elettronici, idraulici o pneumatici.

Quick clamping and accurate positioning set up of your tombstone through pneumatic source (only for unclamping - clamping is mechanically maintened by springs) With this system your pallet could easily travel without the need of electrical pneumatic or elettronic connection.

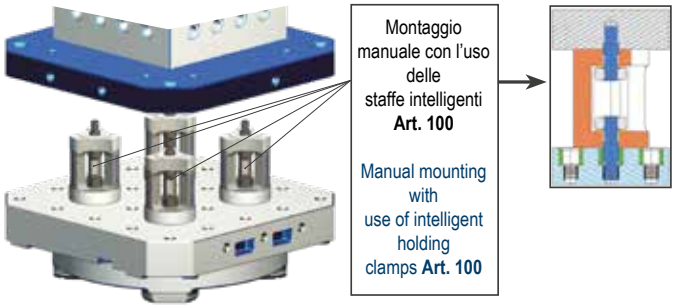
Fig.3
Pic.3



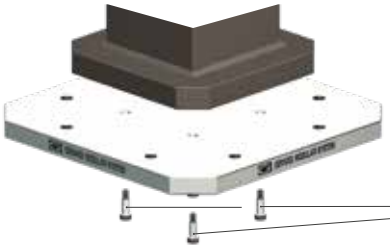
Gli "Zero Point Gerardi " sono utilizzabili anche per ottimizzare le corse del Vs. centro orizzontale sollevando il pezzo all'altezza desiderata senza l'ausilio di sovratavole.

Our hydraulic or pneumatic "Zero Point Gerardi " are also used to optimize the vertical travel of your horizontal machining center without the need of extra over pallet plates.

Fig.4
Pic.4



I fori di predisposizione (Fig.1- pag. 8.5) possono essere usati anche per l'utilizzo di "staffe intelligenti" Art.100 e relativi prigionieri.
The pre-work holes (Pic.1- pag. 8.5) are also coming handy for the use of our "intelligent clamps" Art. 100



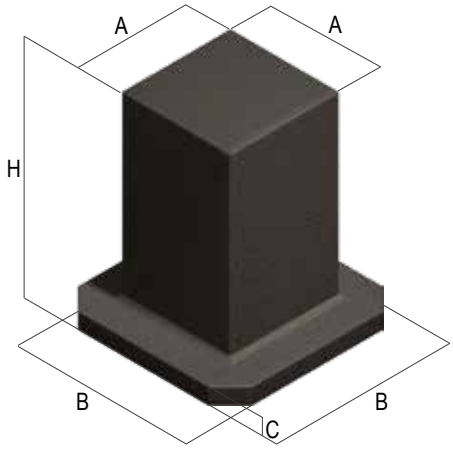
Inoltre con questo sistema di predisposizione potete fissare una piastra che vi permette l'interfacciamento sulla Vs. macchina o attrezzatura. (**Fig.1**)
Further more with this solution you can fix any plate you wish to adapt as you need (**Pic.1**)

8

CUBI - CUBES

Art. 53A

Sgrossati di fresa
Rough milled



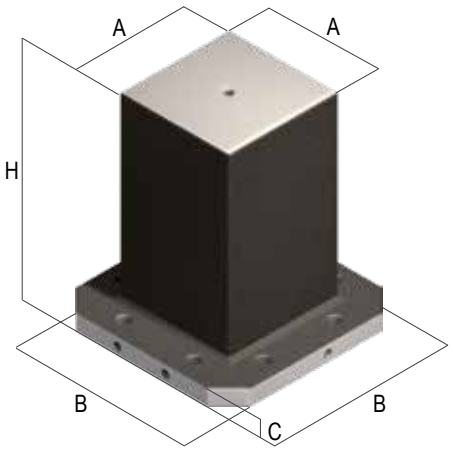
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	H	kg	Cod.
90	260	45	410	44	8.53.A00009
170	260	50	300	66	8.53.A00020
210	325	50	310	96	8.53.A00030
210	360	50	380	119	8.53.A00040
210	360	50	535	153	8.53.A00045
210	510	50	610	217	8.53.A00050
260	410	50	460	179	8.53.A00060
260	460	50	460	195	8.53.A00070
260	410	50	560	207	8.53.A00080
260	410	50	670	239	8.53.A00081
260	390	40	570	239	8.53.A00082
260	510	50	620	258	8.53.A00090
260	510	50	660	270	8.53.A00100
260	510	50	760	298	8.53.A00105
260	640	50	710	337	8.53.A00106
260	510	50	1010	368	8.53.A00107
280	410	50	520	210	8.53.A00110
310	510	50	610	293	8.53.A00111
310	510	50	760	345	8.53.A00113
310	510	50	910	397	8.53.A00115
340	510	50	670	335	8.53.A00120
360	510	50	420	252	8.53.A00140
360	510	50	460	268	8.53.A00150
360	510	50	560	310	8.53.A00160
360	510	50	620	334	8.53.A00170
360	510	50	710	372	8.53.A00171
360	640	50	710	425	8.53.A00172
360	640	50	830	496	8.53.A00180
360	510	50	830	420	8.53.A00181
360	640	50	960	529	8.53.A00185
460	640	50	560	431	8.53.A00190
460	640	50	660	486	8.53.A00200
510	640	50	870	655	8.53.A00211
560	760	50	860	763	8.53.A00220
510	810	50	810	704	8.53.A00230
640	810	50	1100	1623	8.53.A00235

Art. 53B

Base finita
Base finished



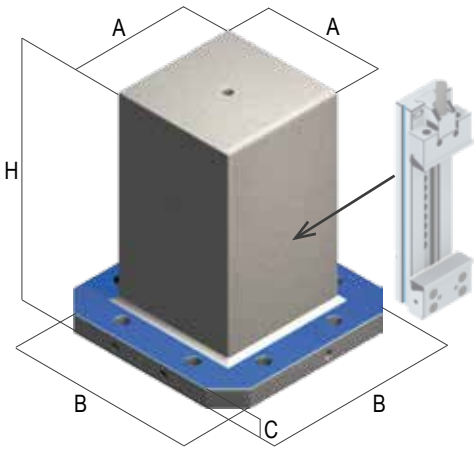
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	H	kg	Cod.
90	250	40	400	40	8.53.B00009
170	250	45	290	61	8.53.B00020
210	315	45	300	89	8.53.B00030
210	350	45	370	112	8.53.B00040
210	350	45	525	147	8.53.B00045
210	500	45	600	203	8.53.B00050
260	400	45	450	169	8.53.B00060
260	450	45	450	183	8.53.B00070
260	400	45	550	197	8.53.B00080
260	400	45	660	228	8.53.B00081
260	380	35	560	228	8.53.B00082
260	500	45	610	244	8.53.B00090
260	500	45	650	255	8.53.B00100
260	500	45	750	284	8.53.B00105
260	630	45	700	316	8.53.B00106
260	500	45	1000	355	8.53.B00107
280	400	45	510	198	8.53.B00110
310	500	45	600	278	8.53.B00111
310	500	45	750	330	8.53.B00113
310	500	45	900	383	8.53.B00115
340	500	45	660	321	8.53.B00120
360	500	45	410	236	8.53.B00140
360	500	45	450	253	8.53.B00150
360	500	45	550	294	8.53.B00160
360	500	45	610	319	8.53.B00170
360	500	45	700	356	8.53.B00171
360	630	45	700	403	8.53.B00172
360	630	45	820	452	8.53.B00180
360	500	45	820	403	8.53.B00181
360	630	45	950	508	8.53.B00185
460	630	45	550	409	8.53.B00190
460	630	45	650	463	8.53.B00200
510	630	45	860	631	8.53.B00211
560	750	45	850	732	8.53.B00220
510	800	45	800	671	8.53.B00230
640	800	45	1050	1565	8.53.B00235

Art. 53C

Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

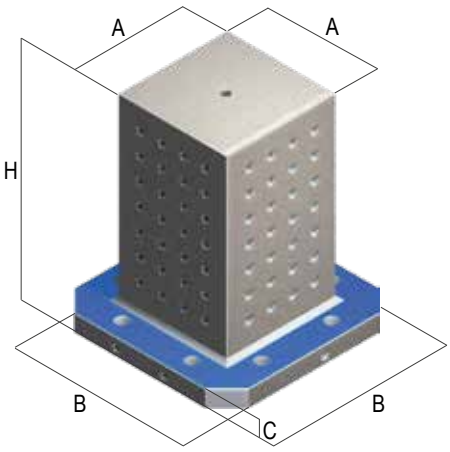
A	B	C	H	kg	Cod.
80	250	35	400	33	8.53.C00009
160	250	40	290	54	8.53.C00020
200	315	40	300	79	8.53.C00030
200	350	40	370	99	8.53.C00040
200	350	40	525	128	8.53.C00045
200	500	40	600	179	8.53.C00050
250	400	40	450	150	8.53.C00060
250	450	40	450	164	8.53.C00070
250	400	40	550	174	8.53.C00080
250	400	40	660	201	8.53.C00081
250	380	30	560	201	8.53.C00082
250	500	40	610	215	8.53.C00090
250	500	40	650	225	8.53.C00100
250	500	40	750	249	8.53.C00105
250	630	40	700	279	8.53.C00106
250	500	45	1000	310	8.53.C00107
270	400	40	510	176	8.53.C00110
300	500	40	600	247	8.53.C00111
300	500	40	750	293	8.53.C00113
300	500	40	900	338	8.53.C00115
330	500	40	660	287	8.53.C00120
350	500	40	410	212	8.53.C00140
350	500	40	450	226	8.53.C00150
350	500	40	550	263	8.53.C00160
350	500	40	610	284	8.53.C00170
350	500	40	700	317	8.53.C00171
350	630	40	700	359	8.53.C00172
350	630	40	820	402	8.53.C00180
350	500	40	820	358	8.53.C00181
350	630	40	950	450	8.53.C00185
450	630	40	550	367	8.53.C00190
450	630	40	650	415	8.53.C00200
500	630	40	860	565	8.53.C00211
550	750	40	850	656	8.53.C00220
500	800	40	800	600	8.53.C00230
630	800	40	1050	1556	8.53.C00235

Modelli normalmente presenti a magazzino

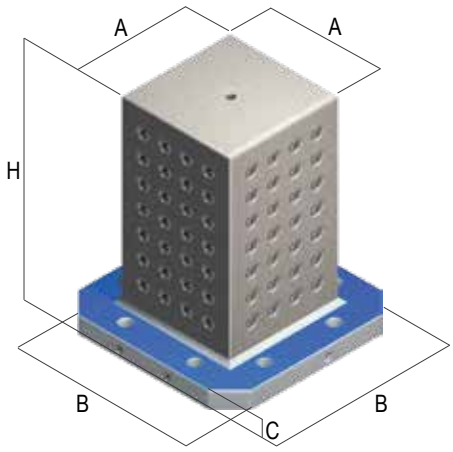
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

CUBI - CUBES

Art. 53E Reticolo integrale
Grid cube



Art. 53F Reticolo con bussole
Grid cube with bushing



Stesse dimensioni dell'Art. 53C / Same dimensions of Art. 53C
Peso: **-5%** circa rispetto Art. 53C / Weight: About **-5%** of Art. 53C

Art. 53E 40		Art. 53E 50	
Cod.		Cod.	
8.53.E40009		8.53.E00009	
8.53.E40020		8.53.E00020	
8.53.E40030		8.53.E00030	
8.53.E40040		8.53.E00040	
8.53.E40045		8.53.E00045	
8.53.E40050		8.53.E00050	
8.53.E40060		8.53.E00060	
8.53.E40070		8.53.E00070	
8.53.E40080		8.53.E00080	
8.53.E40081		8.53.E00081	
8.53.E40082		8.53.E00082	
8.53.E40090		8.53.E00090	
8.53.E40100		8.53.E00100	
8.53.E40105		8.53.E00105	
8.53.E40106		8.53.E00106	
8.53.E40107		8.53.E00107	
8.53.E40110		8.53.E00110	
8.53.E40111		8.53.E00111	
8.53.E40113		8.53.E00113	
8.53.E40115		8.53.E00115	
8.53.E40120		8.53.E00120	
8.53.E40140		8.53.E00140	
8.53.E40150		8.53.E00150	
8.53.E40160		8.53.E00160	
8.53.E40170		8.53.E00170	
8.53.E40171		8.53.E00171	
8.53.E40172		8.53.E00172	
8.53.E40180		8.53.E00180	
8.53.E40181		8.53.E00181	
8.53.E40185		8.53.E00185	
8.53.E40190		8.53.E00190	
8.53.E40200		8.53.E00200	
8.53.E40211		8.53.E00211	
8.53.E40220		8.53.E00220	
8.53.E40230		8.53.E00230	
8.53.E40235		8.53.E00235	

Art. 53F 40		Art. 53F 50	
Cod.		Cod.	
8.53.F40009		8.53.F00009	
8.53.F40020		8.53.F00020	
8.53.F40030		8.53.F00030	
8.53.F40040		8.53.F00040	
8.53.F40045		8.53.F00045	
8.53.F40050		8.53.F00050	
8.53.F40060		8.53.F00060	
8.53.F40070		8.53.F00070	
8.53.F40080		8.53.F00080	
8.53.F40081		8.53.F00081	
8.53.F40082		8.53.F00082	
8.53.F40090		8.53.F00090	
8.53.F40100		8.53.F00100	
8.53.F40105		8.53.F00105	
8.53.F40106		8.53.F00106	
8.53.F40107		8.53.F00107	
8.53.F40110		8.53.F00110	
8.53.F40111		8.53.F00111	
8.53.F40113		8.53.F00113	
8.53.F40115		8.53.F00115	
8.53.F40120		8.53.F00120	
8.53.F40140		8.53.F00140	
8.53.F40150		8.53.F00150	
8.53.F40160		8.53.F00160	
8.53.F40170		8.53.F00170	
8.53.F40171		8.53.F00171	
8.53.F40172		8.53.F00172	
8.53.F40180		8.53.F00180	
8.53.F40181		8.53.F00181	
8.53.F40185		8.53.F00185	
8.53.F40190		8.53.F00190	
8.53.F40200		8.53.F00200	
8.53.F40211		8.53.F00211	
8.53.F40220		8.53.F00220	
8.53.F40230		8.53.F00230	
8.53.F40235		8.53.F00235	

Usually available immediately

Specifiche - Specifications

Art. 53A

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore 43-45 mm
(Sovrametallo 10 mm)

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall thickness 43-45 mm
(10 mm stock)

Art. 53B

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

Art. 53C

Cubo completamente finito con pareti spessore 38-40 mm circa.
Cube completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa
Set-up, mounting and allignement for each vise

Art. 53E 40 / 50

Cubo a reticolo con fori calibrati e filettati integrali
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

Grid cube with calibrated holes and solid threads
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

Art. 53F 40 / 50

Cubo a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

Grid cube with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

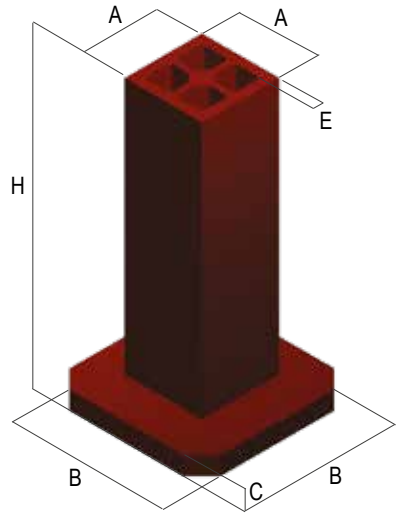
Disponibili in versione leggera (Pag.8.10 - 8.11)
Available also as light version (Pag.8.10 - 8.11)

! For different finishing and materials (aluminium), ask for specific quotation

CUBI LEGGERI - LIGHT CUBES

NEW

Art. 53A1
Sgrossati di fresa
Rough milled



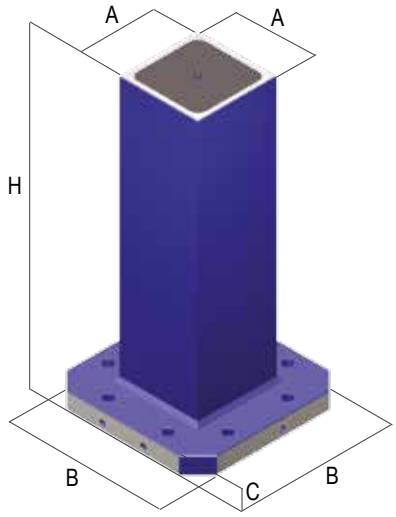
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	E	H	kg	Cod.
210	410	50	25	760	178	8.53.A10055
260	410	50	25	860	240	8.53.A10085
260	510	50	25	760	249	8.53.A10105
360	510	50	30	910	414	8.53.A10182
360	640	50	30	960	488	8.53.A10185
460	640	50	35	960	655	8.53.A10205

E= Spessore pareti - Wall tickness

Art. 53B1
Base finita
Base finished



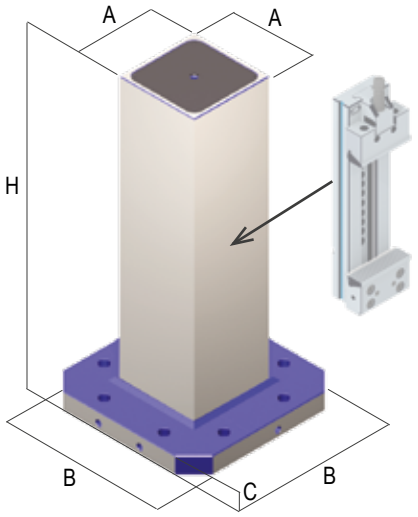
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	E	H	kg	Cod.
210	400	45	25	750	167	8.53.B10055
260	400	45	25	850	229	8.53.B10085
260	500	45	25	750	234	8.53.B10105
360	500	45	30	900	400	8.53.B10182
360	630	45	30	950	468	8.53.B10185
460	630	45	35	950	634	8.53.B10205

E= Spessore pareti - Wall tickness

Art. 53C1
Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

A	B	C	E	H	kg	Cod.
200	400	40	20	750	142	8.53.C10055
250	400	40	20	850	196	8.53.C10085
250	500	40	20	750	201	8.53.C10105
350	500	40	25	900	351	8.53.C10182
350	630	40	25	950	411	8.53.C10185
450	630	40	30	950	568	8.53.C10205

E= Spessore pareti - Wall tickness

Specifiche - Specifications

Art. 53A1

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore ridotto
(Sovrametallo 10 mm).

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall with reduced thickness
(10 mm stock)

Art. 53B1

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

Art. 53C1

Cubo completamente finito con **pareti di spessore ridotto**

Cube completely finished with **wall reduced thickness**

Predisposizione, montaggio ed allineamento di ogni morsa
Set-up, mounting and allignement for each vise

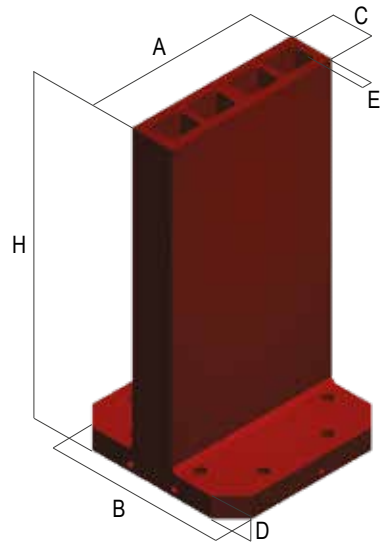
Disponibili in versione con pareti 38-40mm (Pag.8.8 - 8.9)

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

SPALLE LEGGERE - 2 SIDES TOMBSTONES LIGHT

NEW

Art. 55A1
Sgrossati di fresa
Rough milled



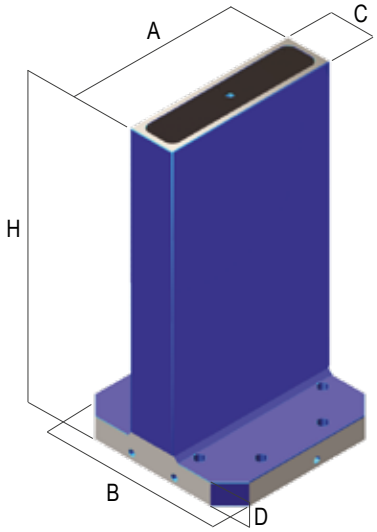
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	D	E	H	kg	Cod.
410	410	110	60	25	760	204	8.55.A10045
410	410	160	60	25	860	250	8.55.A10050
510	510	160	60	25	760	292	8.55.A10053
510	510	210	60	30	910	436	8.55.A10085
640	640	210	60	30	960	574	8.55.A10172
640	640	260	60	35	960	666	8.55.A10175

E= Spessore pareti - Wall tickness

Art. 55B1
Base finita
Base finished



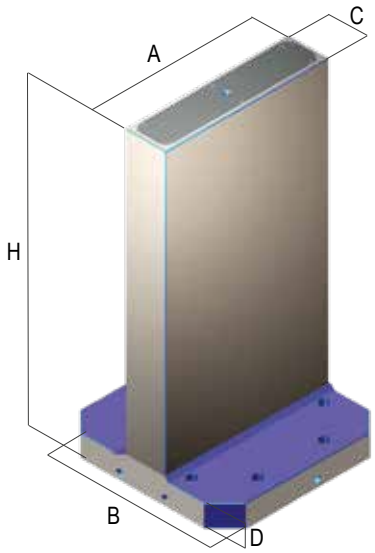
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	D	E	H	kg	Cod.
400	400	110	55	25	750	193	8.55.B10045
400	400	160	55	25	850	239	8.55.B10050
500	500	160	55	25	750	277	8.55.B10053
500	500	210	55	30	900	402	8.55.B10085
630	630	210	55	30	950	553	8.55.B10172
630	630	260	55	35	950	645	8.55.B10175

E= Spessore pareti - Wall tickness

Art. 55C1*
Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

A	B	C	D	E	H	kg	Cod.
400	400	100	50	20	750	163	8.55.C10045
400	400	150	50	20	850	203	8.55.C10050
500	500	150	50	20	750	238	8.55.C10053
500	500	200	50	25	900	371	8.55.C10085
630	630	200	50	25	950	489	8.55.C10172
630	630	250	50	30	950	579	8.55.C10175

E= Spessore pareti - Wall tickness

Specifiche - Specifications

Art. 55A1

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore ridotto
(Sovrametallo 10 mm).

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall with reduced thickness
(10 mm stock)

Art. 55B1

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

Art. 55C1

Cubo completamente finito con **pareti di spessore ridotto**

Cube completely finished with **wall reduced thickness**

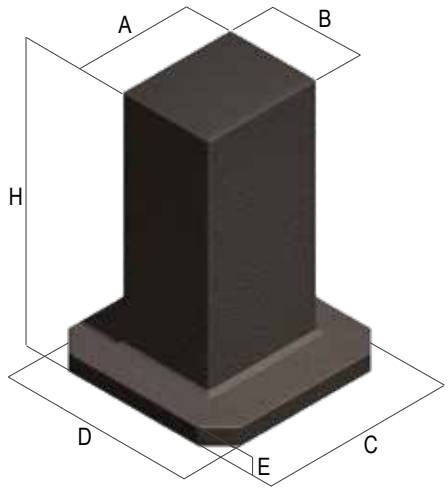
Predisposizione, montaggio ed allineamento di ogni morsa
Set-up, mounting and allignement for each vise

Available also as wall thickness 38-40mm (Pag.8.8 - 8.9)

! For different finishing and materials (aluminium), ask for specific quotation

CUBI RETTANGOLARI - RECTANGULAR CUBES

Art. 54A
Sgrossati di fresa
Rough milled

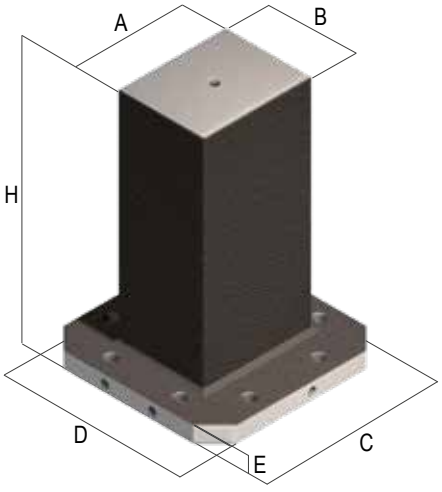


General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	D	E	H	kg	Cod.
310	210	460	310	50	370	142	8.54.A00010
360	260	410	410	50	560	241	8.54.A00040
360	260	510	510	50	760	344	8.54.A00070
310	210	410	410	50	560	206	8.54.A00080
460	360	640	640	50	560	397	8.54.A00100
460	360	640	640	50	660	450	8.54.A00110
560	360	640	640	50	660	484	8.54.A00120

Art. 54B
Base finita
Base finished

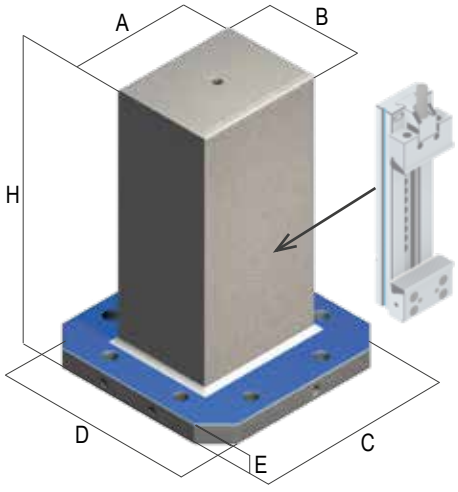


General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	D	E	H	kg	Cod.
310	210	450	300	45	360	134	8.54.B00010
360	260	400	400	45	550	230	8.54.B00040
360	260	500	500	45	750	329	8.54.B00070
310	210	400	400	45	550	196	8.54.B00080
460	360	630	630	45	550	375	8.54.B00100
460	360	630	630	45	650	428	8.54.B00110
560	360	630	630	45	650	461	8.54.B00120

Art. 54C
Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

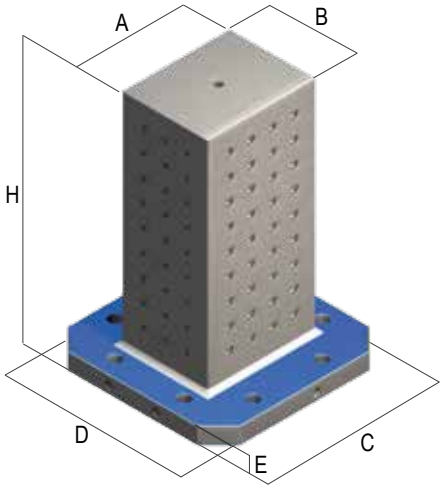
A	B	C	D	E	H	kg	Cod.
300	200	450	300	45	360	127	8.54.C00010
350	250	400	400	45	550	205	8.54.C00040
350	250	500	500	45	750	292	8.54.C00070
300	200	400	400	45	550	174	8.54.C00080
450	350	630	630	45	550	336	8.54.C00100
450	350	630	630	45	650	340	8.54.C00110
550	350	630	630	45	650	413	8.54.C00120

Modelli normalmente presenti a magazzino

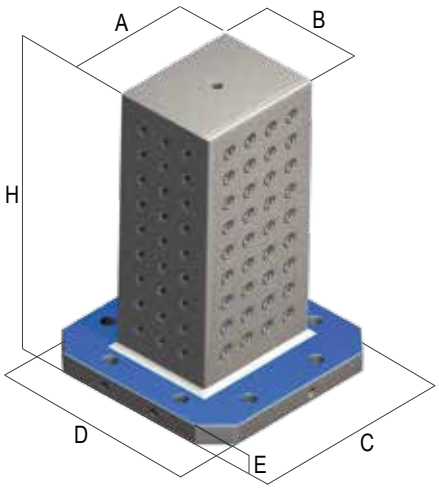
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

CUBI RETTANGOLARI - RECTANGULAR CUBES

Art. 54E Reticolo integrale / Grid cube



Art. 54F Reticolo con bussole / Grid cube with bushing



Stesse dimensioni dell'Art. 54C / Same dimensions of Art. 54C
Peso: **-5%** circa rispetto Art. 54C / Weight: About **-5%** of Art. 54C

Art. 54E 40	Art. 54E 50	Art. 54F 40	Art. 54F 50
Cod.	Cod.	Cod.	Cod.
8.54.E40010	8.54.E00010	8.54.F40010	8.54.F00010
8.54.E40040	8.54.E00040	8.54.F40040	8.54.F00040
8.54.E40070	8.54.E00070	8.54.F40070	8.54.F00070
8.54.E40080	8.54.E00080	8.54.F40080	8.54.F00080
8.54.E40100	8.54.E00100	8.54.F40100	8.54.F00100
8.54.E40110	8.54.E00110	8.54.F40110	8.54.F00110
8.54.E40120	8.54.E00120	8.54.F40120	8.54.F00120

Usually available immediately

Specifiche - Specifications

Art. 54A

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore 43-45 mm
(Sovrametallo 10 mm)

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall thickness 43-45 mm
(10 mm stock)

Art. 54B

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

Art. 54C

Cubo completamente finito con pareti spessore 38-40 mm circa.
Cube completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa
Set-up, mounting and allignement for each vise

Art. 54E 40 / 50

Cubo rettangolare a reticolo con fori calibrati e filettati integrali - Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12** / **M10**
- Interasse reticolo **50** mm = **Ø 16** / **M12**

Grid rectangular cube with calibrated holes and solid threads - Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12** / **M10**
- Grid pitch **50** mm = **Ø 16** / **M12**

Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

Art. 54F 40 / 50

Cubo rettangolare a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12** / **M10**
- Interasse reticolo **50** mm = **Ø 16** / **M12**

Grid rectangular cube with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12** / **M10**
- Grid pitch **50** mm = **Ø 16** / **M12**

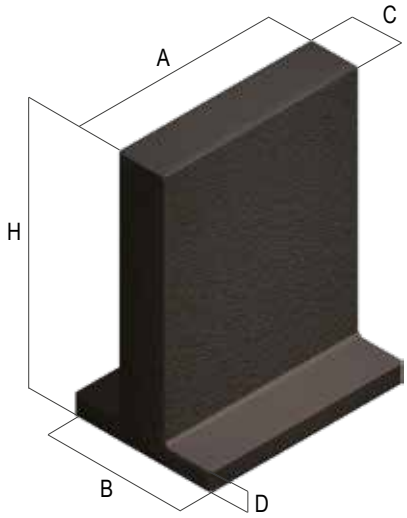
Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

! For different finishing and materials (aluminium), ask for specific quotation

SPALLE - 2 SIDES TOMBSTONES

Art. 55A

Sgrossati di fresa
Rough milled



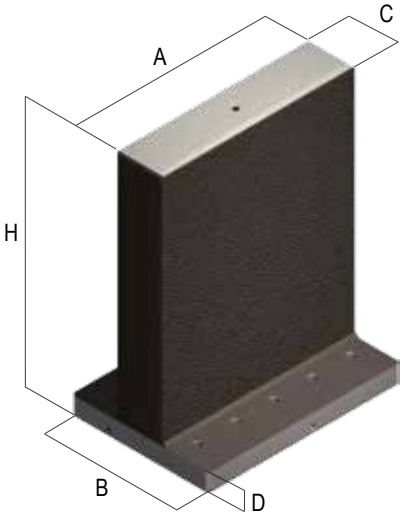
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	D	H	kg	Cod.
170	210	80	55	235	31	8.55.A00010
360	260	90	60	425	124	8.55.A00040
310	450	160	60	310	124	8.55.A00044
310	450	160	60	640	199	8.55.A00045
410	360	110	60	535	221	8.55.A00050
410	410	160	60	510	215	8.55.A00051
410	410	160	55	670	262	8.55.A00052
510	510	160	55	710	350	8.55.A00053
510	510	210	60	610	340	8.55.A00054
510	510	270	50	635	360	8.55.A00055
460	360	110	60	535	241	•8.55.A00060
460	360	110	60	630	283	•8.55.A00070
560	360	110	70	660	368	8.55.A00080
510	360	160	60	660	307	8.55.A00090
460	360	160	60	620	289	8.55.A00120
460	360	160	60	760	316	8.55.A00125
560	360	160	70	680	352	8.55.A00150
560	460	160	60	830	430	8.55.A00160
640	460	160	60	830	486	8.55.A00170
640	460	260	70	910	589	8.55.A00171
640	640	210	60	870	579	8.55.A00172
640	640	260	60	710	521	8.55.A00173
360	460	160	70	660	250	8.55.A00180
810	460	160	70	860	632	8.55.A00190
810	810	310	60	810	782	8.55.A00191
810	810	210	60	1010	855	8.55.A00192
1210	860	260	70	1310	1572	8.55.A00230
1260	1260	410	45	1510	2224	8.55.A00235

Art. 55B

Base finita
Base finished



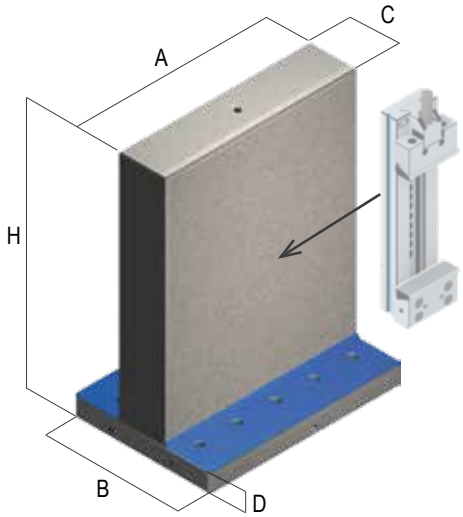
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	D	H	kg	Cod.
160	200	80	50	225	29	8.55.B00010
350	250	90	55	415	114	8.55.B00040
300	440	90	55	300	114	8.55.B00044
300	440	160	55	630	192	8.55B00045
400	350	110	55	525	207	8.55.B00050
400	400	160	55	500	199	8.55.B00051
400	400	160	50	660	244	8.55.B00052
500	500	160	50	700	331	8.55.B00053
500	500	210	55	600	316	8.55.B00054
500	500	270	45	625	336	8.55.B00055
450	350	110	55	525	227	8.55.B00060
450	350	110	55	620	267	8.55.B00070
550	350	110	65	650	350	8.55.B00080
500	350	160	55	650	289	8.55.B00090
450	350	160	55	610	271	8.55.B00120
450	350	160	55	750	297	8.55.B00125
550	350	160	65	670	332	8.55.B00150
550	450	160	55	820	406	8.55.B00160
630	450	160	55	820	460	8.55.B00170
630	450	260	65	900	564	8.55.B00171
630	630	210	55	850	545	8.55.B00172
630	630	260	55	700	485	8.55.B00173
350	450	160	65	650	232	8.55.B00180
800	450	160	65	850	604	8.55.B00190
800	800	310	55	800	732	8.55.B00191
800	800	210	55	1000	820	8.55.B00192
1200	850	260	65	1300	1506	8.55.B00230
1250	1250	410	40	1500	-	8.55.A00235

Art. 55C

Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

A	B	C	D	H	kg	Cod.
160	200	70	45	225	24	8.55.C00010
350	250	80	50	415	103	8.55.C00040
300	440	80	50	300	109	8.55.C00044
300	440	150	50	630	185	8.55C00045
400	350	100	50	525	190	8.55.C00050
400	400	150	50	500	193	8.55.C00051
400	400	150	45	660	222	8.55.C00052
500	500	150	45	700	290	8.55.C00053
500	500	200	50	600	287	8.55.C00054
500	500	260	40	625	310	8.55.C00055
450	350	100	50	525	208	8.55.C00060
450	350	100	50	620	245	8.55.C00070
550	350	100	60	650	321	8.55.C00080
500	350	150	50	650	263	8.55.C00090
450	350	150	50	610	250	8.55.C00120
450	350	150	50	750	271	8.55.C00125
550	350	150	60	670	303	8.55.C00150
550	450	150	50	820	369	8.55.C00160
630	450	150	50	820	418	8.55.C00170
630	450	250	60	900	513	8.55.C00171
630	630	200	50	850	504	8.55.C00172
630	630	250	50	700	447	8.55.C00173
350	450	150	60	650	213	8.55.C00180
800	450	150	60	850	548	8.55.C00190
800	800	300	50	800	674	8.55.C00191
800	800	200	50	1000	814	8.55.C00192
1200	850	250	60	1300	1374	8.55.C00230
1250	1250	400	40	1500	-	8.55.C00235

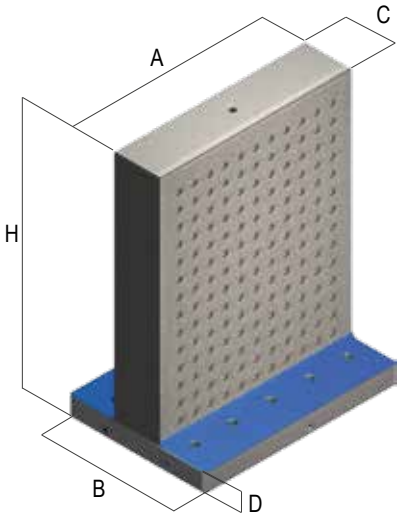
Modelli normalmente presenti a magazzino

• Non sgrossato di fresa

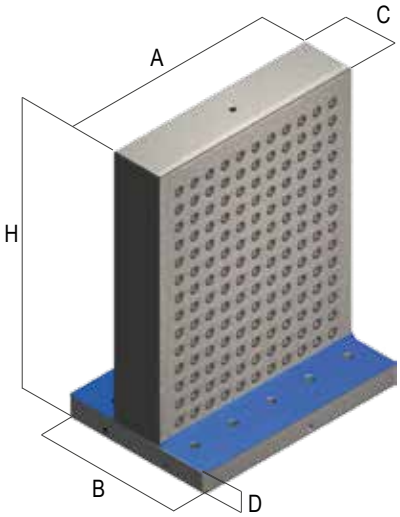
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

SPALLE - 2 SIDES TOMBSTONES

Art. 55E
Reticolo integrale
Grid tombstone



Art. 55F
Reticolo con bussole
Grid tombstone with bushing



Stesse dimensioni dell'Art. 55C / Same dimensions of Art. 55C
Peso: **-5%** circa rispetto Art. 55C / Weight: About **-5%** of Art. 55C

Art. 55E 40		Art. 55E 50	
Cod.		Cod.	
8.55.E40010		8.55.E00010	
8.55.E40040		8.55.E00040	
8.55.E40044		8.55.E00044	
8.55E40045		8.55E00045	
8.55.E40050		8.55.E00050	
8.55.E40051		8.55.E00051	
8.55.E40052		8.55.E00052	
8.55.E40053		8.55.E00053	
8.55.E40054		8.55.E00054	
8.55.E40055		8.55.E00055	
8.55.E40060		8.55.E00060	
8.55.E40070		8.55.E00070	
8.55.E40080		8.55.E00080	
8.55.E40090		8.55.E00090	
8.55.E40120		8.55.E00120	
8.55.E40125		8.55.E00125	
8.55.E40150		8.55.E00150	
8.55.E40160		8.55.E00160	
8.55.E40170		8.55.E00170	
8.55.E40171		8.55.E00171	
8.55.E40172		8.55.E00172	
8.55.E40173		8.55.E00173	
8.55.E40180		8.55.E00180	
8.55.E40190		8.55.E00190	
8.55.E40191		8.55.E00191	
8.55.E40192		8.55.E00192	
8.55.E40230		8.55.E00230	
8.55.E40235		8.55.E00235	

Art. 55F 40		Art. 55F 50	
Cod.		Cod.	
8.55.F40010		8.55.F00010	
8.55.F40040		8.55.F00040	
8.55.F40044		8.55.F00044	
8.55F40045		8.55F00045	
8.55.F40050		8.55.F00050	
8.55.F40051		8.55.F00051	
8.55.F40052		8.55.F00052	
8.55.F40053		8.55.F00053	
8.55.F40054		8.55.F00054	
8.55.F40055		8.55.F00055	
8.55.F40060		8.55.F00060	
8.55.F40070		8.55.F00070	
8.55.F40080		8.55.F00080	
8.55.F40090		8.55.F00090	
8.55.F40120		8.55.F00120	
8.55.F40125		8.55.F00125	
8.55.F40150		8.55.F00150	
8.55.F40160		8.55.F00160	
8.55.F40170		8.55.F00170	
8.55.F40171		8.55.F00171	
8.55.F40172		8.55.F00172	
8.55.F40173		8.55.F00173	
8.55.F40180		8.55.F00180	
8.55.F40190		8.55.F00190	
8.55.F40191		8.55.F00191	
8.55.F40192		8.55.F00192	
8.55.F40230		8.55.F00230	
8.55.F40235		8.55.F00235	

Usually available immediately

• Not rough milled

! For different finishing and materials (aluminium), ask for specific quotation

Specifiche - Specifications

Art. 55A

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore 43-45 mm
(Sovrametallo 10 mm)

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall thickness 43-45 mm
(10 mm stock)

Art. 55B

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

Art. 55C

Spalla completamente finito con pareti spessore 38-40 mm circa.

2 sides tombstone completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa
Set-up, mounting and allignement for each vise

Art. 55E 40 / 50

Spalla a reticolo con fori calibrati e filettati integrali - Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

2 sides grid tombstone with calibrated holes and solid threads - Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

Art. 55F 40 / 50

Spalla a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12 / M10**
- Interasse reticolo **50** mm = **Ø 16 / M12**

2 sides grid tombstone with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12 / M10**
- Grid pitch **50** mm = **Ø 16 / M12**

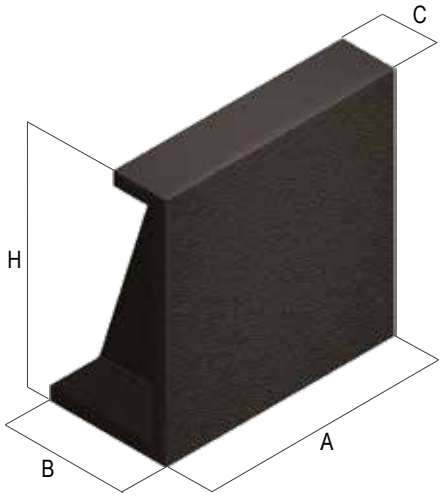
Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

Disponibili in versione leggera (Pag.8.10 - 8.11)
Available also as light version (Pag.8.10 - 8.11)

SQUADRE - ANGLES

Art. 56A

Sgrossati di fresa
Rough milled



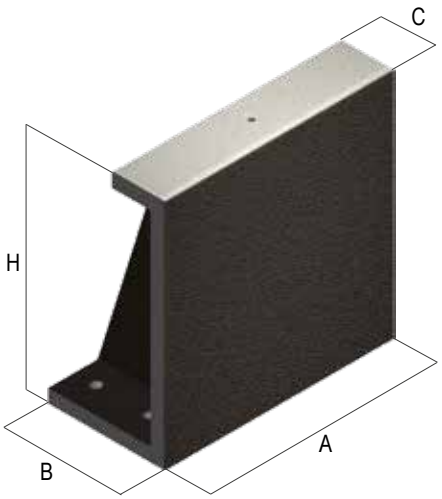
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	H	kg	Cod.
360	160	45	260	50	8.56.A00008
310	230	105	310	66	8.56.A00009
360	240	105	370	87	• 8.56.A00010
410	290	105	410	114	8.56.A00011
210	360	40	710	120	* 8.56.A00012
410	340	155	520	167	• 8.56.A00030
510	350	155	510	188	8.56.A00031
460	340	155	470	161	• 8.56.A00040
460	340	155	620	197	• 8.56.A00050
640	445	155	640	304	8.56.A00051
510	240	105	370	117	• 8.56.A00060
560	440	205	820	342	• 8.56.A00080
660	340	155	670	285	• 8.56.A00100
210	310	55	710	102	8.56.A00101
810	340	155	570	302	• 8.56.A00110
810	535	205	810	491	8.56.A00111
810	440	205	810	450	• 8.56.A00120
1025	510	90	1020	695	8.56.A00130
1025	620	90	1225	775	8.56.A00140
1810	835	143	1510	1794	8.56.A00150

Art. 56B

Base finita
Base finished



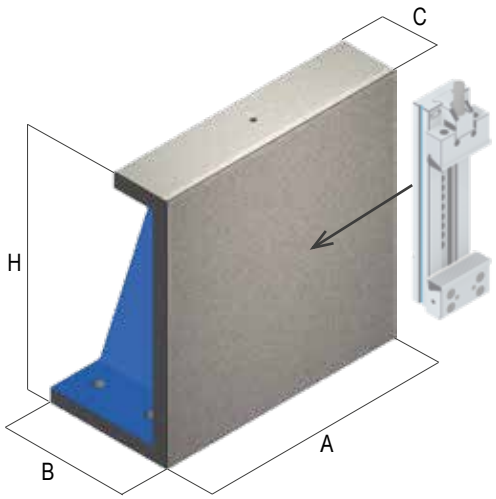
General tolerance ± **2** mm

Dimensioni - Dimensions

A	B	C	H	kg	Cod.
350	160	45	250	46	8.56.B00008
300	230	105	300	61	8.56.B00009
350	240	105	360	80	8.56.B00010
400	290	105	400	106	8.56.B00011
200	350	35	700	104	* 8.56.B00012
400	340	155	510	148	8.56.B00030
500	350	155	500	176	8.56.B00031
450	340	155	460	150	8.56.B00040
450	340	155	610	185	8.56.B00050
630	445	155	630	286	8.56.B00051
500	240	105	360	109	8.56.B00060
550	440	205	810	324	8.56.B00080
650	340	155	660	269	8.56.B00100
200	310	55	700	96	8.56.B00101
800	340	155	560	294	8.56.B00110
800	535	205	800	464	8.56.B00111
800	440	205	800	427	8.56.B00120
1015	510	90	1010	668	8.56.B00130
1015	620	90	1215	1115	8.56.B00140
1810	835	143	1500	-	8.56.B00150

Art. 56C

Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

A	B	C	H	kg	Cod.
350	150	40	250	42	8.56.C00008
300	220	100	300	57	8.56.C00009
350	230	100	360	75	8.56.C00010
400	280	100	400	100	8.56.C00011
200	350	35	700	100	* 8.56.C00012
400	330	150	510	140	8.56.C00030
500	340	150	500	166	8.56.C00031
450	330	150	460	142	8.56.C00040
450	330	150	610	174	8.56.C00050
630	435	150	630	270	8.56.C00051
500	230	100	360	107	8.56.C00060
550	430	200	810	252	8.56.C00080
650	330	150	660	245	8.56.C00100
200	300	50	700	90	8.56.C00101
800	330	150	560	266	8.56.C00110
800	525	200	800	452	8.56.C00111
800	430	200	800	402	8.56.C00120
1015	500	85	1010	629	8.56.C00130
1015	610	85	1215	695	8.56.C00140
1800	825	138	1500	-	8.56.C00150

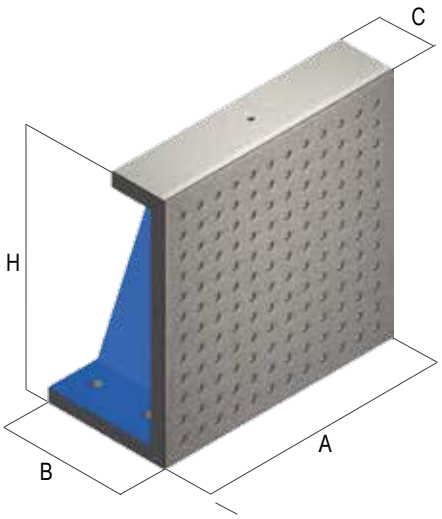
Modelli normalmente presenti a magazzino

• Non sgrossato di fresa

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

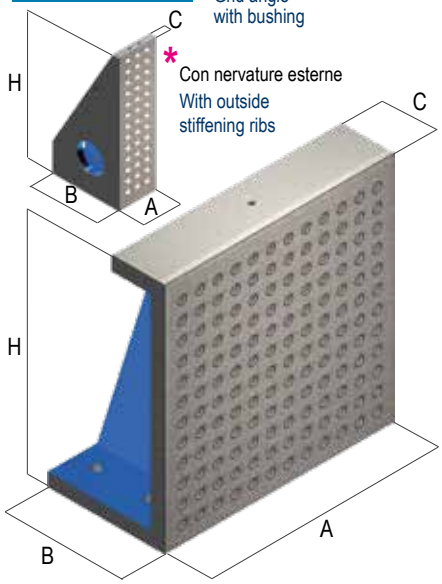
SQUADRE - ANGLES

Art. 56E
Reticolo integrale
Grid angle



Art. 56F
Reticolo con bussole
Grid angle
with bushing

* Con nervature esterne
With outside
stiffening ribs



Stesse dimensioni dell'Art. 56C / Same dimensions of Art. 56C
Peso: **-5%** circa rispetto Art. 56C / Weight: About **-5%** of Art. 56C

Art. 56E 40		Art. 56E 50	
Cod.		Cod.	
8.56.E40008		8.56.E00008	
8.56.E40009		8.56.E00009	
8.56.E40010		8.56.E00010	
8.56.E40011		8.56.E00011	
*8.56.E40012		*8.56.E00012	
8.56.E40030		8.56.E00030	
8.56.E40031		8.56.E00031	
8.56.E40040		8.56.E00040	
8.56.E40050		8.56.E00050	
8.56.E40051		8.56.E00051	
8.56.E40060		8.56.E00060	
8.56.E40080		8.56.E00080	
8.56.E40100		8.56.E00100	
8.56.E40101		8.56.E00101	
8.56.E40110		8.56.E00110	
8.56.E40111		8.56.E00111	
8.56.E40120		8.56.E00120	
8.56.E40130		8.56.E00130	
8.56.E40140		8.56.E00140	
8.56.E40150		8.56.E00150	

Art. 56F 40		Art. 56F 50	
Cod.		Cod.	
8.56.F40008		8.56.F00008	
8.56.F40009		8.56.F00009	
8.56.F40010		8.56.F00010	
8.56.F40011		8.56.F00011	
*8.56.F40012		*8.56.F00012	
8.56.F40030		8.56.F00030	
8.56.F40031		8.56.F00031	
8.56.F40040		8.56.F00040	
8.56.F40050		8.56.F00050	
8.56.F40051		8.56.F00051	
8.56.F40060		8.56.F00060	
8.56.F40080		8.56.F00080	
8.56.F40100		8.56.F00100	
8.56.F40101		8.56.F00101	
8.56.F40110		8.56.F00110	
8.56.F40111		8.56.F00111	
8.56.F40120		8.56.F00120	
8.56.F40130		8.56.F00130	
8.56.F40140		8.56.F00140	
8.56.F40150		8.56.F00150	

Usually available immediately

• Not rough milled

! For different finishing and materials (aluminium), ask for specific quotation

Specifiche - Specifications

Art. 56A

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore 43-45 mm (Sovrametallo 10 mm)

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall thickness 43-45 mm (10 mm stock)

Art. 56B

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

Art. 56C

Squadra completamente finita con pareti spessore 38-40 mm circa.

Angle completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa

Set-up, mounting and allignement for each vise

Art. 56E 40 / 50

Squadra a reticolo con fori calibrati e filettati integrali - Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12** / **M10**
- Interasse reticolo **50** mm = **Ø 16** / **M12**

Grid angle with calibrated holes and solid threads - Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12** / **M10**
- Grid pitch **50** mm = **Ø 16** / **M12**

Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

Art. 56F 40 / 50

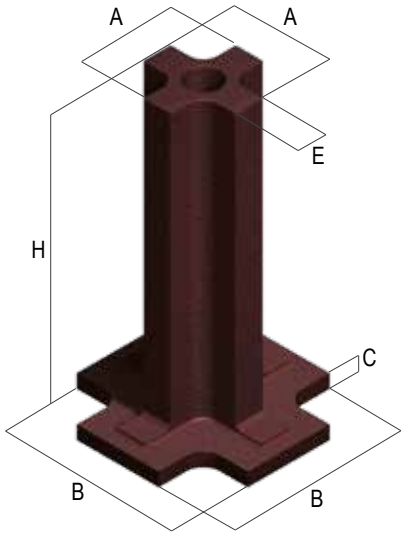
Squadra a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12** / **M10**
- Interasse reticolo **50** mm = **Ø 16** / **M12**

Grid angle with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12** / **M10**
- Grid pitch **50** mm = **Ø 16** / **M12**

Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

CUBI A CROCE - CROSS CUBES

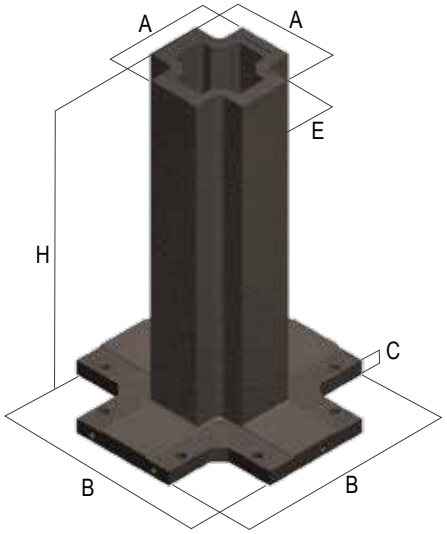
Art. 57A
Sgrossati di fresa
Rough milled



General tolerance ± **2** mm

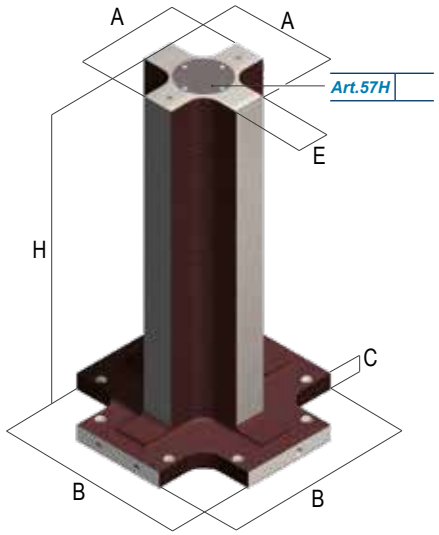
Dimensioni - Dimensions

A	B	C	E	H	kg	Cod.
210	510	45	80	760	172	8.57.A00100
210	510	45	80	660	156	8.57.A00105
260	510	45	80	760	212	• 8.57.A00106
280	510	45	80	860	254	8.57.A00110



240	510	45	110	860	237	• 8.57.A00120
310	510	45	150	860	291	• 8.57.A00130
310	640	45	150	960	357	• 8.57.A00140
380	510	45	200	960	419	8.57.A00145
410	510	55	100	860	254	8.57.A00150
1010	1260	50	610	910	1711	8.57.A00250

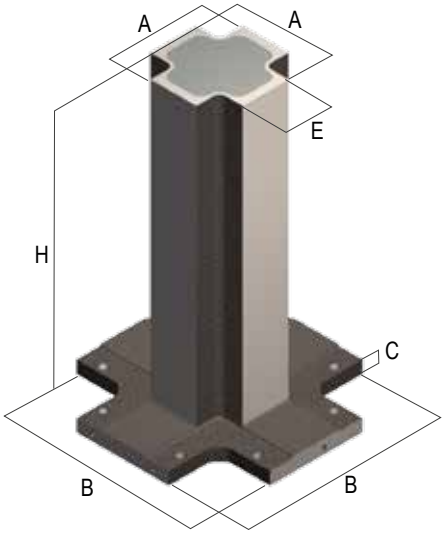
Art. 57B
Base finita
Base finished



General tolerance ± **2** mm

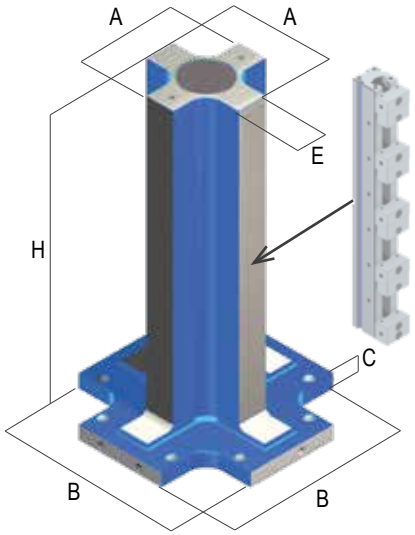
Dimensioni - Dimensions

A	B	C	E	H	kg	Cod.
203	500	40	80	750	157	8.57.B00100
203	500	40	80	650	142	8.57.B00105
253	500	40	80	750	197	8.57.B00106
273	500	40	80	850	242	8.57.B00110



233	500	40	110	850	218	8.57.B00120
303	500	40	150	850	269	8.57.B00130
303	630	40	150	950	327	8.57.B00140
373	500	40	200	950	400	8.57.B00145
403	500	50	100	850	241	8.57.B00150
1010	1250	45	610	900	1562	8.57.A00250

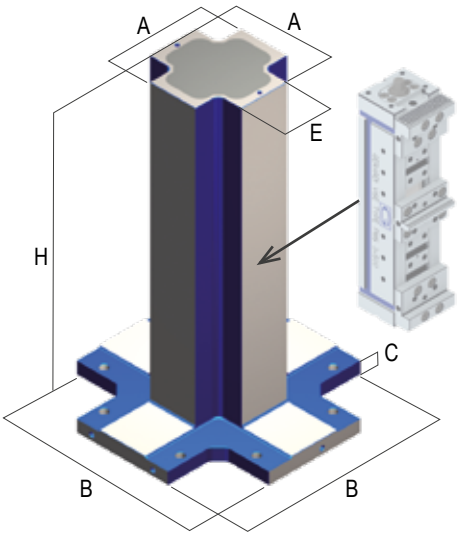
Art. 57C
Completamente lavorati
Completely machined



General tolerance ± **0,02** mm

Dimensioni - Dimensions

A	B	C	E	H	kg	Cod.
200	500	40	80	750	154	8.57.C00100
200	500	40	80	650	140	8.57.C00105
250	500	40	80	750	194	8.57.C00106
270	500	40	80	850	240	8.57.C00110



230	500	40	110	850	214	8.57.C00120
300	500	40	150	850	264	8.57.C00130
300	630	40	150	950	322	8.57.C00140
370	500	40	200	950	397	8.57.C00145
400	500	50	100	850	239	8.57.C00150
1000	1250	40	600	900	1554	8.57.A00250

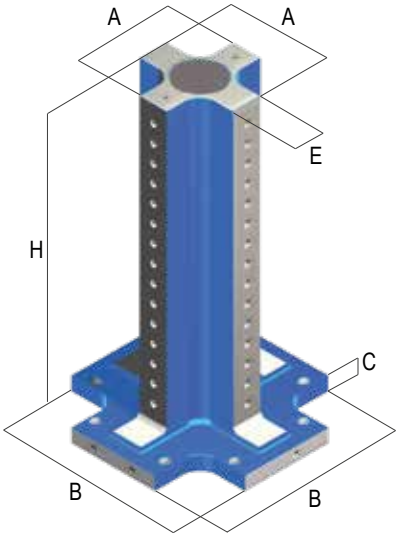
Modelli normalmente presenti a magazzino

• Non sgrossato di fresa

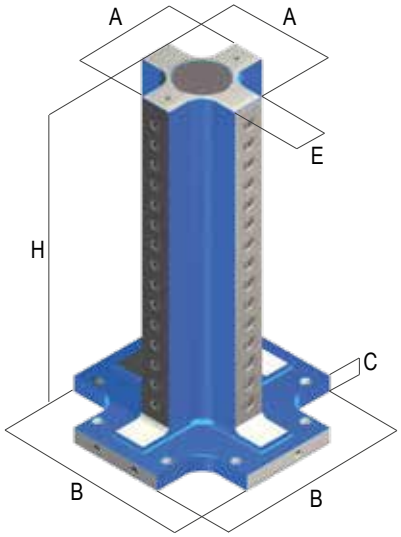
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica

CUBI A CROCE - CROSS CUBES

Art. 57E
Reticolo integrale
Grid cube

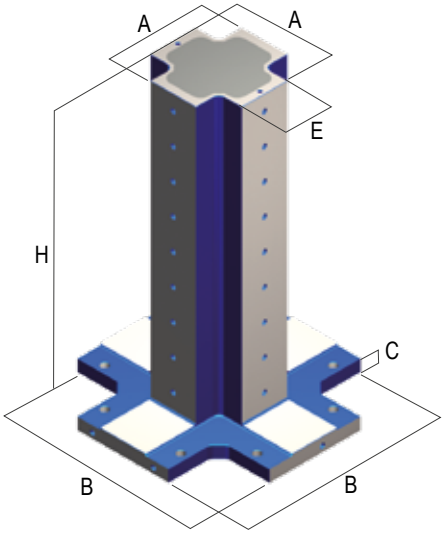


Art. 57F
Reticolo con bussole
Grid cube with bushing



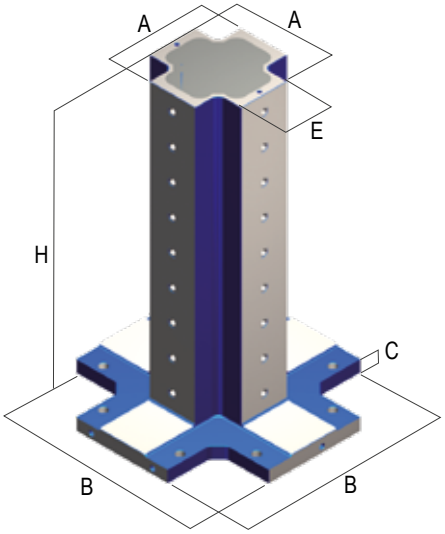
Stesse dimensioni dell'Art. 57C / Same dimensions of Art. 57C
Peso: **-5%** circa rispetto Art. 57C / Weight: About **-5%** of Art. 57C

Art. 57E 40		Art. 57E 50	
Cod.		Cod.	
8.57.E40100		8.57.E00100	
8.57.E40105		8.57.E00105	
8.57.E40106		8.57.E00106	
8.57.E40110		8.57.E00110	



8.57.E40120		8.57.E00120	
8.57.E40130		8.57.E00130	
8.57.E40140		8.57.E00140	
8.57.E40145		8.57.E00145	
8.57.E40150		8.57.E00150	
-		8.57.E00250	

Art. 57F 40		Art. 57F 50	
Cod.		Cod.	
8.57.F40100		8.57.F00100	
8.57.F40105		8.57.F00105	
8.57.F40106		8.57.F00106	
8.57.F40110		8.57.F00110	



8.57.F40120		8.57.F00120	
8.57.F40130		8.57.F00130	
8.57.F40140		8.57.F00140	
8.57.F40145		8.57.F00145	
8.57.F40150		8.57.F00150	
-		8.57.E00250	

Specifiche - Specifications

Art. 57A

Fusione in ghisa G30 monoblocco sgrossata con doppio trattamento di distensione.
Pareti con spessore 43-45 mm
(Sovrametallo 10 mm)

One integral G30 cast iron casting rough milled with double stress relieving heat treatment.
Wall thickness 43-45 mm
(10 mm stock)

Art. 57B

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pag. 8.6

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japanese standard pallet.
See specifications pag. 8.6

Art. 57C

Cubo a croce completamente finito con pareti spessore 38-40 mm circa.

Crosscube completely finished with wall thickness roughly 38-40 mm

Predisposizione, montaggio ed allineamento di ogni morsa
Set-up, mounting and allignement for each vise

Art. 57E 40 / 50

Cubo a croce a reticolo con fori calibrati e filettati integrali - Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12** / **M10**
- Interasse reticolo **50** mm = **Ø 16** / **M12**

Cross cube with calibrated holes and solid threads - Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12** / **M10**
- Grid pitch **50** mm = **Ø 16** / **M12**

Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

Art. 57F 40 / 50

Cubo a croce a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox
Tolleranza ± 0,02 mm
- Interasse reticolo **40** mm = **Ø 12** / **M10**
- Interasse reticolo **50** mm = **Ø 16** / **M12**

Grid cross cube with hardened bushing 100Cr6 and steinless steel helicoils
Tolerance ± 0,02 mm
- Grid pitch **40** mm = **Ø 12** / **M10**
- Grid pitch **50** mm = **Ø 16** / **M12**

Montaggio ed allineamento di ogni morsa
Mounting and alignement for each vise

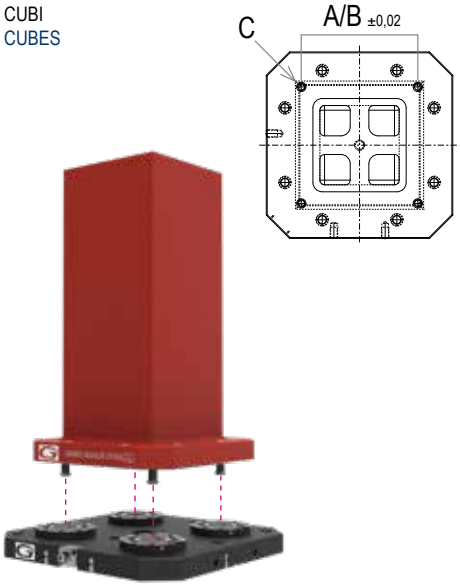
Usually available immediately

• Not rough milled

! For different finishing and materials (aluminium), ask for specific quotation

INTERFACCIAMENTO CUBI CON SISTEMA ZERO POINT
INTERFACE CUBES WITH ZERO POINT SYSTEM

CUBI
CUBES

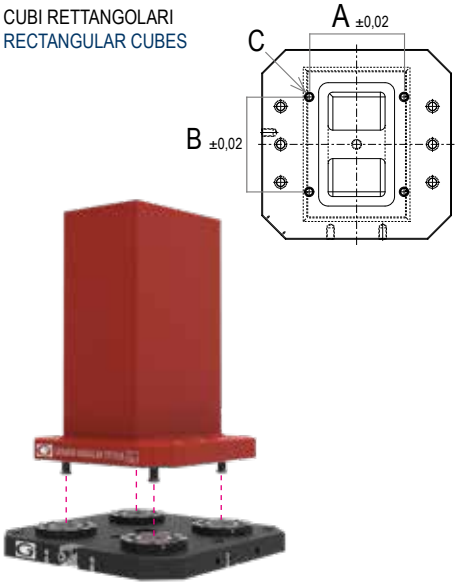


Dimensioni - Dimensions

Codice Code	X				A	B	Tirante Pull-stud
8.53.X00009	B	C	E	F	150	150	T2
8.53.X00020	B	C	E	F	150	150	T2
8.53.X00030	B	C	E	F	250	250	T2
8.53.X00040	B	C	E	F	250	250	T2
8.53.X00045	B	C	E	F	200	200	T2
8.53.X00050	B	C	E	F	250	250	T2
8.53.X10055	B	C	E	F	200	200	T2
8.53.X00060	B	C	E	F	200	200	T2
8.53.X00070	B	C	E	F	250	250	T2
8.53.X00080	B	C	E	F	250	250	T2
8.53.X00081	B	C	E	F	250	250	T2
8.53.X00082	B	C	E	F	250	250	T2
8.53.X10085	B	C	E	F	250	250	T2
8.53.X00090	B	C	E	F	300	300	T2
8.53.X00100	B	C	E	F	250	250	T2
8.53.X00105	B	C	E	F	250	250	T2
8.53.X10105	B	C	E	F	250	250	T2
8.53.X00106	B	C	E	F	250	250	T2
8.53.X00107	B	C	E	F	250	250	T2
8.53.X00110	B	C	E	F	250	250	T2
8.53.X00111	B	C	E	F	250	250	T2
8.53.X00113	B	C	E	F	300	300	T2
8.53.X00115	B	C	E	F	250	250	T2
8.53.X00120	B	C	E	F	300	300	T2
8.53.X00140	B	C	E	F	300	300	T2
8.53.X00150	B	C	E	F	300	300	T2
8.53.X00160	B	C	E	F	300	300	T2
8.53.X00170	B	C	E	F	300	300	T2
8.53.X00171	B	C	E	F	300	300	T2
8.53.X00172	B	C	E	F	300	300	T2
8.53.X00180	B	C	E	F	300	300	T2
8.53.X00181	B	C	E	F	300	300	T2
8.53.X10182	B	C	E	F	200	400	T2
8.53.X00185	B	C	E	F	300	300	T2
8.53.X10185	B	C	E	F	200	400	T2
8.53.X00190	B	C	E	F	200	200	T2
8.53.X00200	B	C	E	F	200	200	T2
8.53.X10205	B	C	E	F	200	500	T2
8.53.X00211	B	C	E	F	500	500	T2
8.53.X00220	B	C	E	F	500	500	T2
8.53.X00230	B	C	E	F	600	600	T2
8.53.X00235	B	C	E	F	600	600	T2

Modelli leggeri - Light versions

CUBI RETTANGOLARI
RECTANGULAR CUBES



Dimensioni - Dimensions

Codice Code	X				A	B	Tirante Pull-stud
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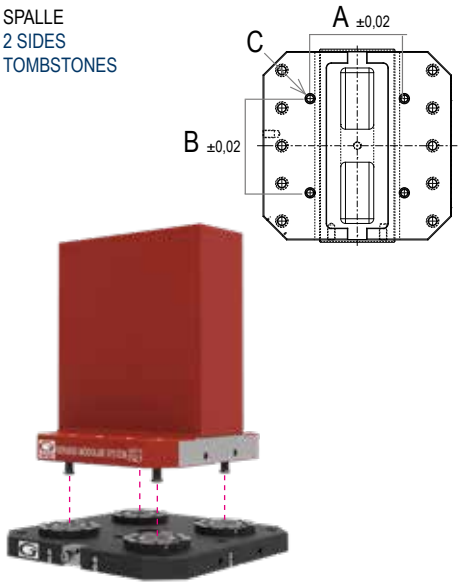
8.54.X00040	B	C	E	F	250	250	T2
8.54.X00070	B	C	E	F	200	200	T2
8.54.X00080	B	C	E	F	200	200	T2
8.54.X00100	B	C	E	F	200	400	T2
8.54.X00110	B	C	E	F	400	400	T2
8.54.X00120	B	C	E	F	400	400	T2

SPALLE
2 SIDES
TOMBSTONES



Dimensioni - Dimensions

Codice Code	X				A	B	Tirante Pull-stud
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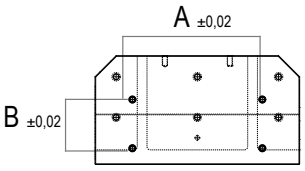
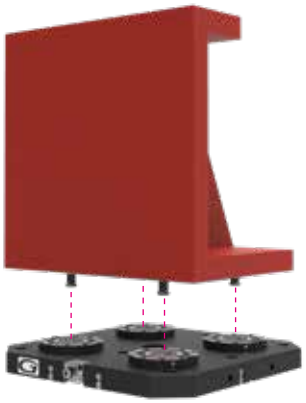
8.55.X00040	B	C	E	F	150	150	T2
8.55.X00044	B	C	E	F	150	200	T2
8.55.X00045	B	C	E	F	150	200	T2
8.55.X10045	B	C	E	F	200	200	T2
8.55.X00050	B	C	E	F	150	200	T2
8.55.X10050	B	C	E	F	300	300	T2
8.55.X00051	B	C	E	F	200	200	T2
8.55.X00052	B	C	E	F	250	200	T2
8.55.X00053	B	C	E	F	250	250	T2
8.55.X10053	B	C	E	F	200	300	T2
8.55.X00054	B	C	E	F	300	300	T2
8.55.X00055	B	C	E	F	300	300	T2
8.55.X00060	B	C	E	F	200	250	T2
8.55.X00070	B	C	E	F	200	250	T2
8.55.X00080	B	C	E	F	200	300	T2
8.55.X10085	B	C	E	F	200	300	T2
8.55.X00090	B	C	E	F	200	300	T2
8.55.X00120	B	C	E	F	200	250	T2
8.55.X00125	B	C	E	F	200	250	T2
8.55.X00150	B	C	E	F	200	300	T2
8.55.X00160	B	C	E	F	200	300	T2
8.55.X00170	B	C	E	F	200	400	T2
8.55.X00171	B	C	E	F	300	300	T2
8.55.X00172	B	C	E	F	300	300	T2
8.55.X10172	B	C	E	F	300	300	T2
8.55.X00173	B	C	E	F	300	300	T2
8.55.X10175	B	C	E	F	300	300	T2
8.55.X00180	B	C	E	F	200	250	T2
8.55.X00190	B	C	E	F	300	200	T2
8.55.X00191	B	C	E	F	300	300	T2
8.55.X00192	B	C	E	F	300	300	T2
8.55.X00230	B	C	E	F	300	500	T2
8.55.X00235	B	C	E	F	300	500	T2

X: Interfacciamento Zero-Point valido per tutte le versioni di cubi portapezzi

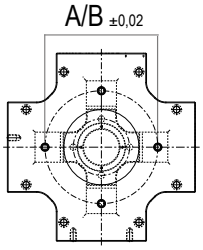
INTERFACCIAMENTO CUBI CON SISTEMA ZERO POINT
INTERFACE CUBES WITH ZERO POINT SYSTEM

SQUADRE
ANGLES





CUBI A CROCE
CROSS CUBES





Art. 81X

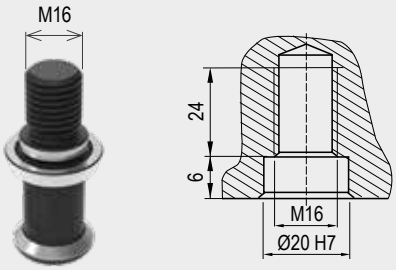
Piastra speciale con Zero-Point disposti a croce.
(sempre a richiesta)

Special plate with Zero Point cross mounted (always on request)

Tiranti Zero point - Zero point pull-studs

TIRANTI TIPO 2 (T2)
PULL-STUD TYPE 2 (T2)

Perno tirante di centraggio. Filetto maschio
Centering pull-stud. Male thread



Vedi pag. 9.40 - 9.42
See pages 9.40 - 9.42

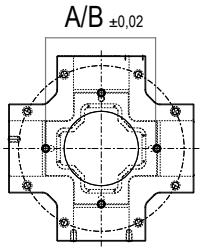
Dimensioni - Dimensions

Codice Code	X				A	B	Tirante Pull-stud
8.56.X00008	B	C	E	F	200	-	T2
8.56.X00009	B	C	E	F	200	-	T2
8.56.X00010	B	C	E	F	200	-	T2
8.56.X00011	B	C	E	F	200	200	T2
8.56.X00012	B	C	E	F	200	-	T2
8.56.X00030	B	C	E	F	200	300	T2
8.56.X00031	B	C	E	F	200	300	T2
8.56.X00040	B	C	E	F	200	300	T2
8.56.X00050	B	C	E	F	200	300	T2
8.56.X00051	B	C	E	F	150	400	T2
8.56.X00060	B	C	E	F	150	400	T2
8.56.X00080	B	C	E	F	200	400	T2
8.56.X00100	B	C	E	F	200	400	T2
8.56.X00101	B	C	E	F	200	-	T2
8.56.X00110	B	C	E	F	200	400	T2
8.56.X00111	B	C	E	F	200	400	T2
8.56.X00120	B	C	E	F	200	400	T2
8.56.X00130	B	C	E	F	300	500	T2
8.56.X00140	B	C	E	F	300	500	T2
8.56.X00150	B	C	E	F	300	500	T2

Dimensioni - Dimensions

Codice Code	X				A	B	Tirante Pull-stud
8.57.X00100	B	C	E	F	300	300	T2
8.57.X00105	B	C	E	F	300	300	T2
8.57.X00106	B	C	E	F	300	300	T2
8.57.X00110	B	C	E	F	300	300	T2

CUBI A CROCE
CROSS CUBES





Art. 81X

Piastra speciale con Zero-Point disposti a croce.
(sempre a richiesta)

Special plate with Zero Point cross mounted (always on request)

Codice Code	X				A	B	Tirante Pull-stud
8.57.X00120	B	C	E	F	300	300	T2
8.57.X00130	B	C	E	F	300	300	T2
8.57.X00140	B	C	E	F	300	300	T2
8.57.X00145	B	C	E	F	300	300	T2
8.57.X00150	B	C	E	F	300	300	T2
8.57.X00250	B	C	E	F	700	700	T2

Versioni disponibili X - Available versions X



Versione B
Type B

BASE FINITA - BASE FINISHED

Fusione sgrossata con base lavorata e raschiettata per pallet a norme Europee o Giapponesi.

Rough milled casting with base face machined and hand scraped for direct clamping on European or Japaneese standard pallet.



Versione C
Type C

COMPLETAMENTE LAVORATI
COMPLETELY FINISHED

Cubo completamente finito con pareti spessore 38-40 mm circa.
Tolleranza ± 0,02 mm

Cube completely finished with wall thickness roughly 38-40 mm.
Tollerance ± 0,02 mm

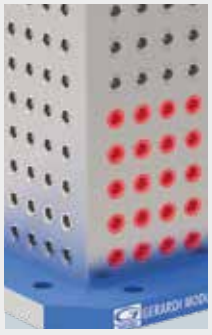


Versione E
Type E

RETICOLO INTEGRALE - GRIND CUBE

Cubo a reticolo con fori calibrati e filetti integrali nella fusione.
Tolleranza ± 0,02 mm

Integral cube with calibrated holes and solid threads in the casting itself.
Tollerance ± 0,02 mm



Versione F
Type F

COMPLETAMENTE LAVORATI
COMPLETELY FINISHED

Cubo a reticolo con bussole di centraggio in acciaio temprato 100 Cr6 DIN 179C. Filetti riportati in acciaio inox 18/8.
Tolleranza 0,02 mm

Integral cube with centering bushings in special hardened alloy steel 100Cr6 - DIN 179C. Inserted threads are in 18/8 stainless steel. Tollerance ± 0,02 mm

X: Zero-Point interfaced available for all types of tombstones

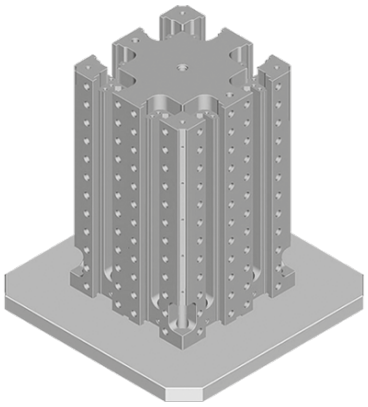
SISTEMA MODULARE MULTIPLO
MULTI-MODULAR SYSTEM

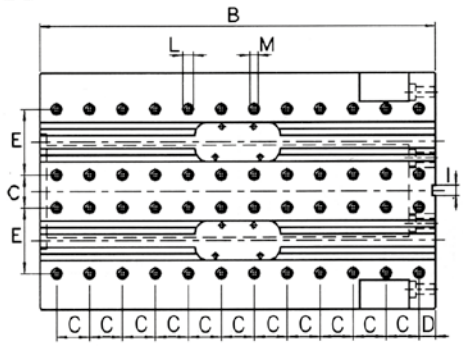
Dimensioni - Dimensions (mm)

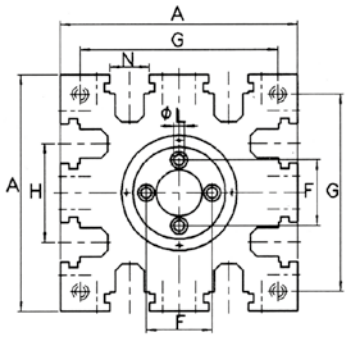
Art. 840

Cubo a reticolo - Corpo base
In ghisa G600

Grid cube - Base body
In cast iron G600







A ±0,02	360
B	600
C ±0,02	50
D ±0,02	25
E ±0,02	100
F ±0,02	100
G ±0,02	300
H	150
I H7	16
L F7	16
M	M12
N ±0,02	41
Ghisa kg Cast iron	335
Cod.	5.84.03600

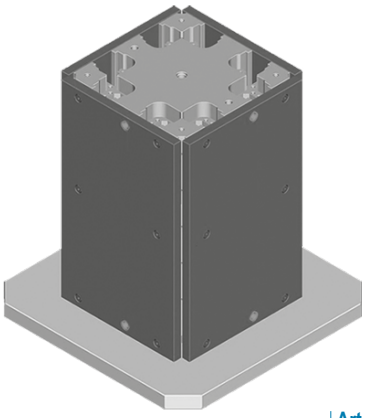
> Non sgrossato di fresa - Not rough milled

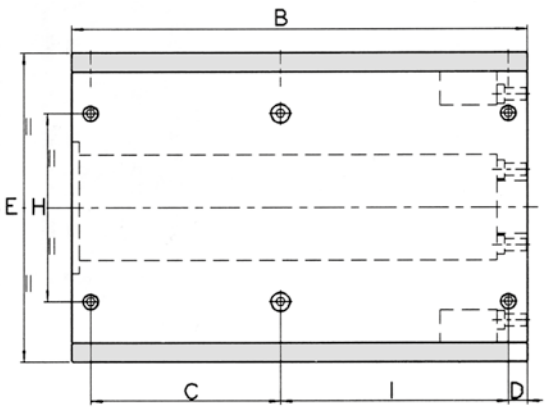
Dimensioni - Dimensions (mm)

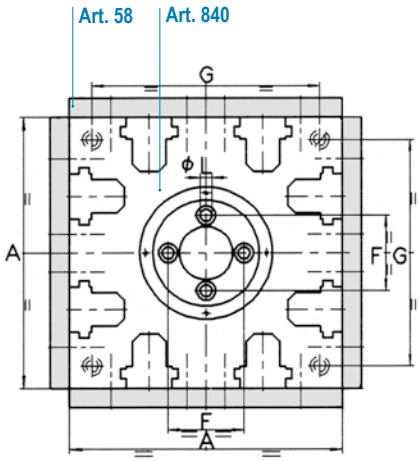
Art. 841

Cubo con piastre riportate

Cube with modular plates







A ±0,02	360
B	600
C ±0,02	250
D ±0,02	25
E ±0,02	410
F ±0,02	100
G ±0,02	300
H	250
I H7	300
L F7	16
M	M12
N ±0,02	41
Ghisa kg Cast iron	508
Cod.	5.84.13600

Ogni cubo è completo di 4 piastre riportate (**Art. 58**) e 2 coppie di tasselli di posizionamento.

Each cube is supplied with 4 modular plate (**Art. 58**) and 2 pair of key nuts.

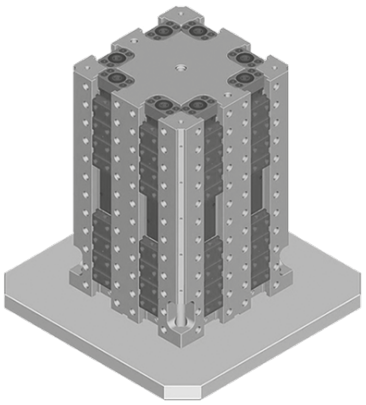
SISTEMA MODULARE MULTIPLO
MULTI-MODULAR SYSTEM

Dimensioni - Dimensions (mm)

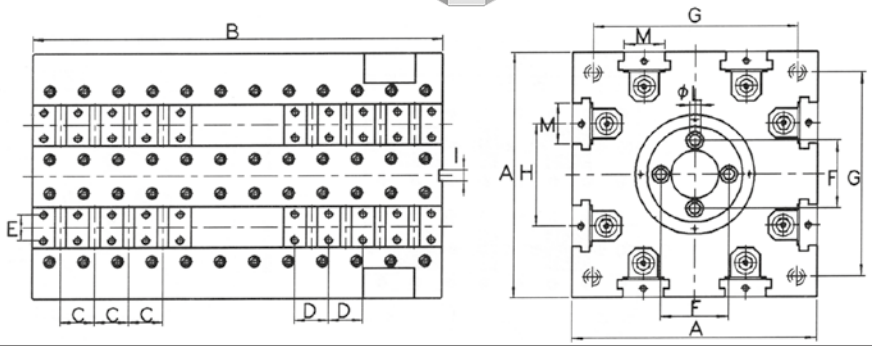
Art. 842

Cubo con morse FMS senza ganasce per il bloccaggio di **16 pezzi**

Cube with FMS vises without jaws for **16 pcs** clamping



Art.	Pag.
822	5.53
829A	5.52
830	
840	8.22
850B	5.61
850C	



A ±0,02	360
B	600
C ±0,02	50
D ±0,02	50
E ±0,02	38
F ±0,02	100
G ±0,02	300
H	150
I H7	16
L F7	16
M	61
N ±0,02	-
Ghisa kg Cast iron	406
Cod.	5.84.23600

Ogni cubo è fornito di 8 set completi di tutti i particolari interni di una morsa FMS (pag. 5-21) e di 2 coppie di tasselli di posizionamento

Each cube is supplied of 8 sets of all FMS vise components (pag. 5-21) and 2 pair of key nuts.

Art. 842A

Una slitta completa (**Art. 822 + Art. 829 + Art. 830**)
One complete slide (**Art. 822 + Art. 829 + Art. 830**)

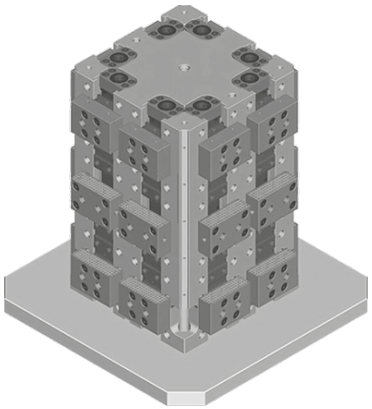
Cod.	5.84.2A360

Dimensioni - Dimensions (mm)

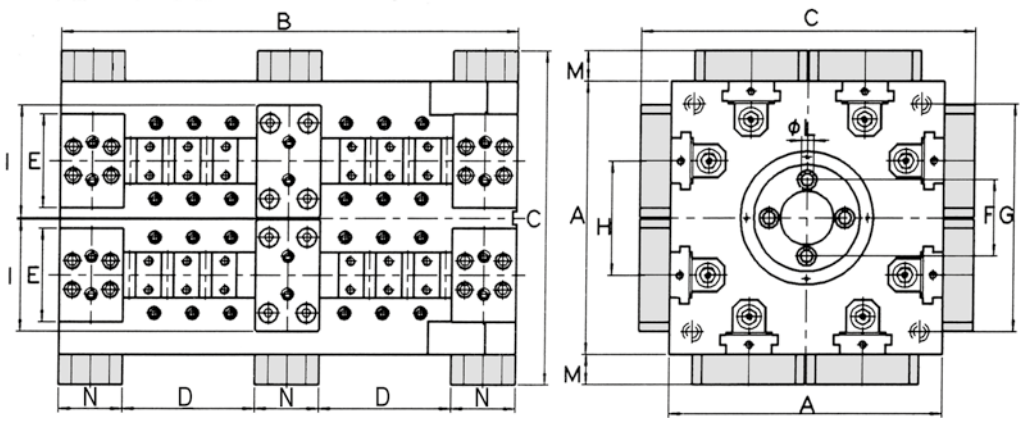
Art. 843

Cubo con morse FMS completo di ganasce standard per il bloccaggio di 16 pezzi. (*Vedi dettagli a pag. 8.23*)

Cube with FMS vises and standard jaws for 16 pcs clamping. (*See details pag. 8.23*)



Art.	Page
810	5.56
822	5.53
829A	5.52
830	
840	8.22
845	8.24
850B	5.61
850C	



A ±0,02	360
B	600
C ±0,02	440
D ±0,02	174
E ±0,02	124
F ±0,02	100
G ±0,02	300
H	150
I H7	148
L F7	16
M	40
N ±0,02	84
Ghisa kg Cast iron	454
Cod.	5.84.33600

Ogni cubo è completo di 8 ganasce fisse (Art.845) e 16 ganasce mobili (Art. 810), 1 chiave a pipa, tasselli di posizionamento e 16 arresti laterali.

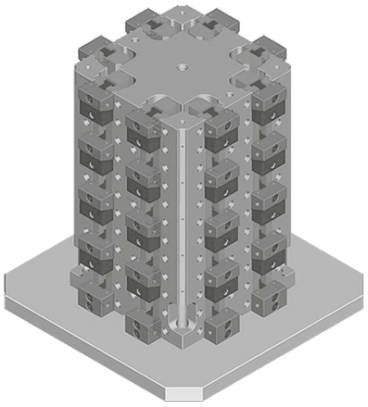
Each cube is supplied of 8 fixed jaw (Art. 845) and 16 movable jaw (Art. 810), 1 box wrench, one pair of key nuts and 16 workstop.

Dimensioni - Dimensions (mm)

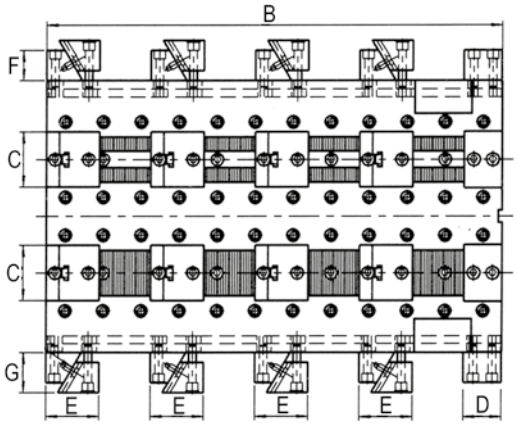
Art. 844

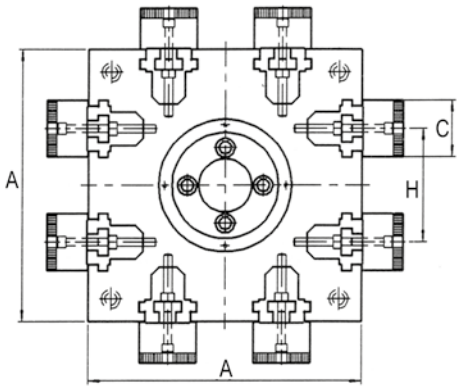
Cubo con morse Multiflex per il bloccaggio di 32 pezzi e oltre

Cube with Multiflex vises for clamping 32 pcs. and over



Art.	Page
840	8.22
604	6.32
605	6.33





A ±0,02	360
B	600
C ±0,02	75
D ±0,02	50
E ±0,02	70 / 75
F ±0,02	40
G ±0,02	40 / 33
H	150
Ghisa / Cast iron kg	476
Cod.	5.84.43600

Ogni cubo è completo di 8 ganasce fisse e 32 ganasce fisse-mobili , 1 chiave a "T", tasselli di posizionamento e 32 arresti laterali.

Each cube is supplied of 8 fixed jaw and 32 fixed-movable jaw , 1 "T" wrench, one pair of key nuts and 32 workstop.

Art. 844A

Una slitta completa **(Art. 846 + Art. 604 + Art. 605)**
One complete slide **(Art. 846 + Art. 604 + Art. 605)**

Cod.	5.84.4A360

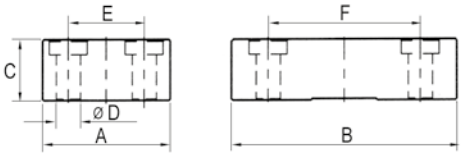
ACCESSORI - ACCESSORIES

Dimensioni - Dimensions (mm)

Art. 845

Ganascia fissa per cubo morse FMS **(Art. 843)**
Fixed jaw for FMS vise cube **(Art. 843)**



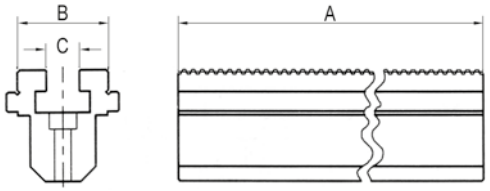


A ±0,02	84
B	148
C ±0,02	140
D F7	16
E	50
F	100
Cod.	5.84.53600

Art. 846

Guida integrale per cubo MULTIFLEX
Solid guide for MULTIFLEX cube



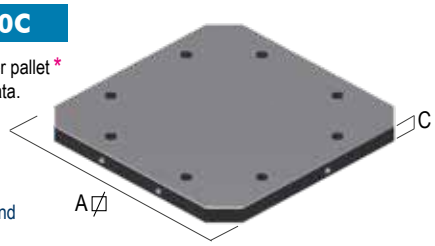


A ±0,02	600
B ±0,02	61
C ±0,02	22
Cod.	5.84.63600

SOVRATAVOLE QUADRATE / SQUARE BASE PLATES

Art. 60C

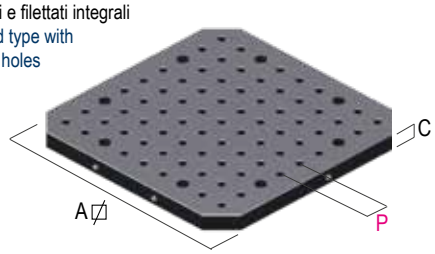
Piastra base per pallet * liscia interfacciata.
Piani rettificati
Tailor made smooth pallet * base plate.
Two faces ground



Dimensioni - Dimensions (mm) A⍁	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.		ALLUMINIO / ALUMINUM AL5083 Kg	Cod.	
400	38	45	8.60.C40404S		16	8.60.C40404A	
500	38	70	8.60.C50504S		25	8.60.C50504A	
630	38	115	8.60.C63634S		41	8.60.C63634A	
800	38	180	8.60.C80804S		65	8.60.C80804A	

Art. 60E

Piastra base a reticolo interfacciata per pallet con fori calibrati e filettati integrali
Tailor made grid type with solid calibrated holes and threads



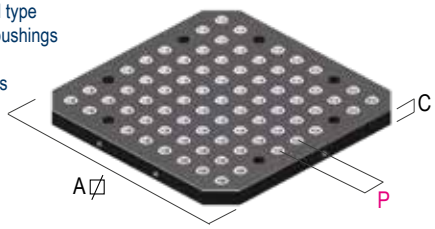
P = Passo 40 o 50mm Pitch 40 or 50mm

A⍁	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	P = 40	P = 50	ALLUMINIO / ALUMINUM AL5083 Kg	Cod.	P = 40	P = 50
400	48	55	8.60.E40400S			20	8.60.E40400A		
500	48	85	8.60.E50500S			31	8.60.E50500A		
630	48	135	8.60.E63630S			49	8.60.E63630A		
800	48	240	8.60.E80800S			86	8.60.E80800A		

Tolleranza ± 0,02 mm, □ Interasse reticolo **40**mm = **Ø 12 / M10** - □ Interasse reticolo **50**mm = **Ø 16 / M12**
Tolerance ± 0,02 mm, □ Grid pitch **40**mm = **Ø 12 / M10** - □ Grid pitch **50**mm = **Ø 16 / M12**

Art. 60F

Piastra base a reticolo interfacciata per pallet con bussole di centraggio temprate 100Cr6 e filetti riportati in acciaio inox
Tailor made grid type with hardened bushings 100Cr6 and inox steel elicoils



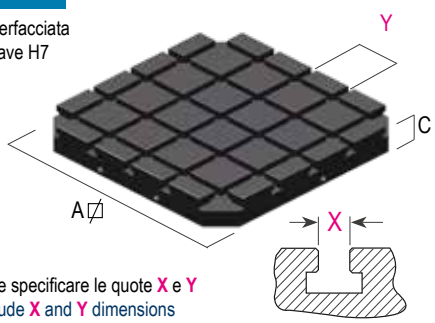
P = Passo 40 o 50mm / Pitch 40 or 50mm

A⍁	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	P = 40	P = 50	ALLUMINIO / ALUMINUM AL5083 Kg	Cod.	P = 40	P = 50
400	48	55	8.60.F40400S			20	8.60.F40400A		
500	48	85	8.60.F50500S			31	8.60.F50500A		
630	48	135	8.60.F63630S			49	8.60.F63630A		
800	48	240	8.60.F80800S			86	8.60.F80800A		

Tolleranza ± 0,02 mm, □ Interasse reticolo **40**mm = **Ø 12 / M10** - □ Interasse reticolo **50**mm = **Ø 16 / M12**
Tolerance ± 0,02 mm, □ Grid pitch **40**mm = **Ø 12 / M10** - □ Grid pitch **50**mm = **Ø 16 / M12**

Art. 60G

Piastra base interfacciata per pallet con cave H7
Tailor made with H7 T-slots

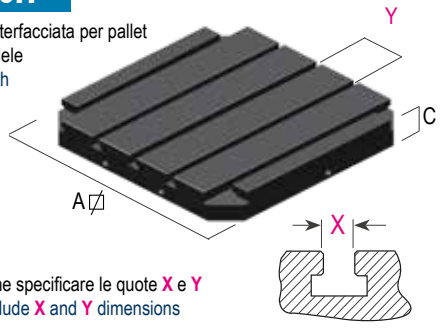


In caso di ordine specificare le quote **X** e **Y**
Order must include **X** and **Y** dimensions

A⍁	C	X	Y	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	
400	73	16	100	90	8.60.G40400S	
500	73	16	100	136	8.60.G50500S	
630	73	16	100	220	8.60.G63630S	
800	73	16	100	360	8.60.G80800S	

Art. 60H

Piastra base interfacciata per pallet con cave parallele
Tailor made with parallel slots



In caso di ordine specificare le quote **X** e **Y**
Order must include **X** and **Y** dimensions

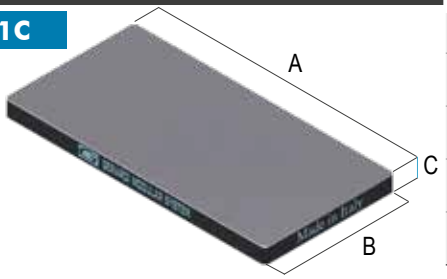
A⍁	C	X	Y	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	
400	73	16	100	90	8.60.H40400S	
500	73	16	100	136	8.60.H50500S	
630	73	16	100	220	8.60.H63630S	
800	73	16	100	360	8.60.H80800S	

! Per lavorazioni o materiali diversi (ghisa), richiedere quotazione specifica
For different finishing and materials (cast iron), ask for specific quotation

SOVRATAVOLA RETTANGOLARE / RECTANGULAR BASE

Art. 61C

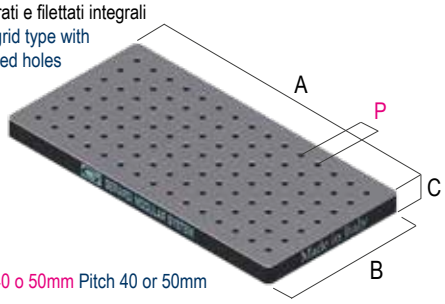
Piastra base liscia interfacciata. Piani rettificati
Smooth base plate. Faces ground



Dimensioni - Dimensions (mm) A	B	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.		ALLUMINIO / ALUMINUM AL5083 Kg	Cod.	
600	400	38	71	8.61.C40600S		26	8.61.C40600A	
600	500	38	89	8.61.C50600S		32	8.61.C50600A	
800	400	38	95	8.61.C40800S		34	8.61.C40800A	
900	450	38	120	8.61.C45900S		43	8.61.C45900A	
1000	500	38	149	8.61.C50100S		54	8.61.C50100A	

Art. 61E

Piastra base a reticolo interfacciata per pallet con fori calibrati e filettati integrali
Tailor made grid type with solid calibrated holes and threads



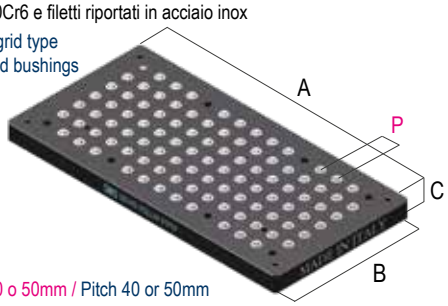
P = Passo 40 o 50mm Pitch 40 or 50mm

A	B	C	Kg	Cod.	P = 50	Kg	Cod.	P = 50
600	400	38	90	8.61.E40600S		32	8.61.E40600A	
600	500	38	112	8.61.E50600S		40	8.61.E50600A	
800	400	38	119	8.61.E40800S		43	8.61.E40800A	
900	450	38	150	8.61.E45900S		54	8.61.E45900A	
1000	500	38	188	8.61.E50100S		68	8.61.E50100A	

Tolleranza ± 0,02 mm, □ Interasse reticolo **40**mm = **Ø 12** / **M10** - □ Interasse reticolo **50**mm = **Ø 16** / **M12**
Tolerance ± 0,02 mm, □ Grid pitch **40**mm = **Ø 12** / **M10** - □ Grid pitch **50**mm = **Ø 16** / **M12**

Art. 61F

Piastra base a reticolo interfacciata per pallet con bussole di centraggio temprate 100Cr6 e filetti riportati in acciaio inox
Tailor made grid type with hardened bushings 100Cr6 and inox steel elicoils



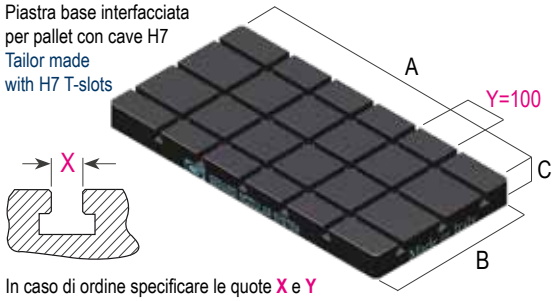
P = Passo 40 o 50mm / Pitch 40 or 50mm

A	B	C	Kg	Cod.	P = 50	Kg	Cod.	P = 50
600	400	38	87	8.61.F40600S		32	8.61.F40600A	
600	500	38	109	8.61.F50600S		40	8.61.F50600A	
800	400	38	117	8.61.F40800S		43	8.61.F40800A	
900	450	38	147	8.61.F45900S		54	8.61.F45900A	
1000	500	38	185	8.61.F50100S		68	8.61.F50100A	

Tolleranza ± 0,02 mm, □ Interasse reticolo **40**mm = **Ø 12** / **M10** - □ Interasse reticolo **50**mm = **Ø 16** / **M12**
Tolerance ± 0,02 mm, □ Grid pitch **40**mm = **Ø 12** / **M10** - □ Grid pitch **50**mm = **Ø 16** / **M12**

Art. 61G

Piastra base interfacciata per pallet con cave H7
Tailor made with H7 T-slots

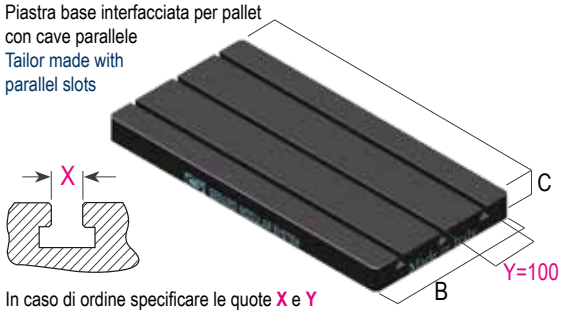


In caso di ordine specificare le quote **X** e **Y**
Order must include **X** and **Y** dimensions

A□	B	C	X	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	
600	400	73	16	72	8.61.G40600S	
600	500	73	16	89	8.61.G50600S	
800	400	73	16	96	8.61.G40800S	
900	450	73	16	121	8.61.G45900S	
1000	500	73	16	152	8.61.G50100S	

Art. 61H

Piastra base interfacciata per pallet con cave parallele
Tailor made with parallel slots



In caso di ordine specificare le quote **X** e **Y**
Order must include **X** and **Y** dimensions

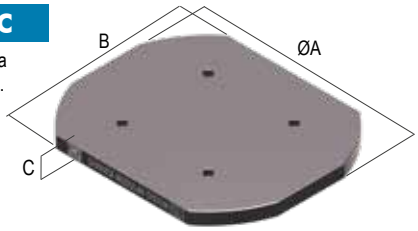
A□	B	C	X	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	
600	400	73	16	72	8.61.H40600S	
600	500	73	16	89	8.61.H50600S	
800	400	73	16	96	8.61.H40800S	
900	450	73	16	121	8.61.H45900S	
1000	500	73	16	152	8.61.H50100S	

! Per lavorazioni o materiali diversi (ghisa), richiedere quotazione specifica
For different finishing and materials (cast iron), ask for specific quotation

SOVRATAVOLA TONDA / ROUNDED BASE

Art. 62C

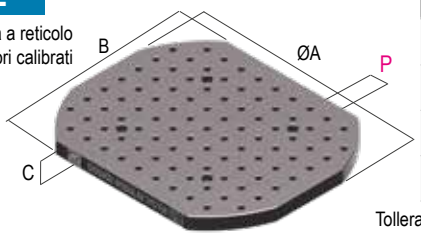
Piastra base tonda liscia interfacciata. Piani rettificati
Rounded smooth base plate. Faces ground



Dimensioni - Dimensions (mm) ØA	B	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.		ALLUMINIO / ALUMINUM AL5083 Kg	Cod.	
400	320	38	37	8.62.C4032S		13	8.62.C4032A	
500	400	38	58	8.62.C5040S		21	8.62.C5040A	
630	500	38	93	8.62.C6350S		33	8.62.C6350A	
800	630	38	-	8.62.C8063S		-	8.62.C8063A	

Art. 62E

Piastra base tonda a reticolo interfacciata con fori calibrati e filettati integrali
Rounded base plate with solid calibrated holes and threads

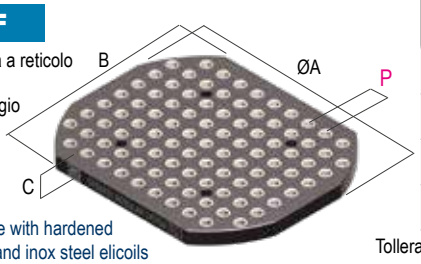


ØA	B	C	ACCIAIO Kg	Cod.	P = 50	ALLUMINIO Kg	Cod.	P = 50
400	320	38	37	8.62.E4032S		13	8.62.E4032A	
500	400	38	58	8.62.E5040S		21	8.62.E5040A	
630	500	38	93	8.62.E6350S		33	8.62.E6350A	
800	630	38	150	8.62.E8063S		-	8.62.E8063A	

Tolleranza ± 0,02 mm,□ Interasse reticolo **50**mm = **Ø 16** / **M12** Tolerance ± 0,02 mm, □ Grid pitch **50**mm = **Ø 16** / **M12**

Art. 62F

Piastra base tonda a reticolo interfacciata con bussole di centraggio temprate 100Cr6 e filetti riportati in acciaio inox
Grid type pallet rounded base plate with hardened bushings 100Cr6 and inox steel elicoils

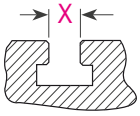


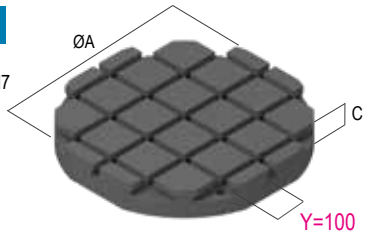
ØA	B	C	ACCIAIO Kg	Cod.	P = 50	ALLUMINIO Kg	Cod.	P = 50
400	320	38	-	8.62.F4032S		-	8.61.F4032A	
500	400	38	-	8.62.F5040S		-	8.62.F5040A	
630	500	38	-	8.62.F6350S		-	8.62.F6350A	
800	630	38	-	8.62.F8063S		-	8.62.F8063A	

Tolleranza ± 0,02 mm,□ Interasse reticolo **50**mm = **Ø 16** / **M12** Tolerance ± 0,02 mm, □ Grid pitch **50**mm = **Ø 16** / **M12**

Art. 62G

Piastra base tonda interfacciata con cave H7
H7 T-slots round pallet base plate



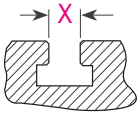


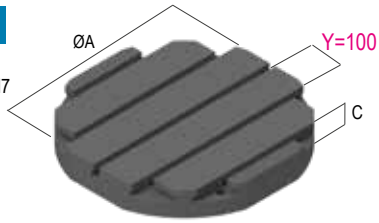
ØA	B	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	
400	38	-	8.62.G4032S	
500	38	-	8.62.G5040S	
630	38	-	8.62.G6350S	
800	38	-	8.62.G8063S	

In caso di ordine specificare le quote **X** e **Y** - Order must include **X** and **Y** dimensions

Art. 62H

Piastra base tonda interfacciata con cave H7
H7 T-slots round pallet base plate





ØA	B	ACCIAIO - STEEL METAL Fe420 Kg	Cod.	
400	38	-	8.62.H4032S	
500	38	-	8.62.H5040S	
630	38	-	8.62.H6350S	
800	38	-	8.62.H8063S	

In caso di ordine specificare le quote **X** e **Y** - Order must include **X** and **Y** dimensions

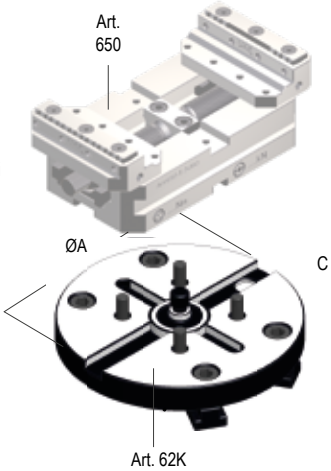
KIT PIASTRE DI INTERFACCIA TONDE PER TAVOLE ROTANTI
INTERFACED PLATES KIT FOR ROTARY TABLE

NEW 2021

Art. 62K*

Kit piastra base tonda interfacciata per tavole rotanti, con cave H7 disponibili per i più importanti costruttori di macchine utensili

Round shaped base plate kit intefaced for rotary tables with H7 key ways. Available for most important machining centers manufacturers.



ØA	C	ACCIAIO - STEEL METAL Fe420 Kg	Cod.		ALLUMINIO / ALUMINUM AL5083 Kg	Cod.	
160	19	-	8.62.K1616S		-	8.62.K1616A	
210	19	-	8.62.K2121S		-	8.62.K2121A	
310	19	-	8.62.K3131S		-	8.62.K3131A	

* In fase d'ordine specificare costruttore - modello di macchina (fornire disegno) e tipo di morsa
Specify the manufacturer, the machining center model (send us the drawing) and the type of vise needed when placing the order.

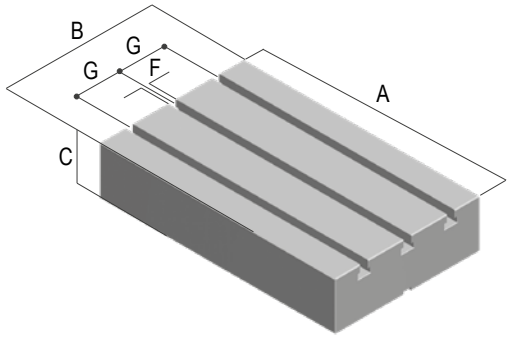
Kit per montaggio e allineamento incluso - Kit for mounting and alignment included

SOVRATAVOLA - BASE PLATES

ACCIAIO - STEEL METAL Fe420

Art. 86G

Piastra base con cave H7
H7 T-slots base plate



Dimensioni - Dimensions (mm) A	B	C	F	G	Kg	Cod.
420	230	98	16	70	75	8.86.G230420A
490	300	98	16	100	105	8.86.G300490A
630	370	98	16	100	170	8.86.G370630A
630	630	98	16	100	290	8.86.G630630A
800	550	98	16	100	320	8.86.G550800A*
800	800	98	16	100	480	8.86.G800800A
900	410	98	16	100	280	8.86.G410900A*
900	460	98	16	100	310	8.86.G460900A*
1000	550	98	16	100	410	8.86.G5501000A
1200	550	98	16	100	502	8.86.G5501200A
1240	550	98	16	100	518	8.86.G5501240A*
1740	750	98	16	100	960	8.86.G7501740A*
900	400	68	16	100	201	8.86.G400900A*
1000	400	68	16	100	224	8.86.G4001000A*
1100	400	68	16	100	245	8.86.G4001100A*
1200	380	78	16	100	262	8.86.G3801200A*
1600	380	78	16	100	389	8.86.G3801600A*
2000	380	78	16	100	437	8.86.G3802000A*
800	500	68	16	100	224	8.86.G500800A*
900	500	68	16	100	252	8.86.G500900A*
1000	500	68	16	100	280	8.86.G5001000A*
1100	500	68	16	100	308	8.86.G5001100A*
1200	500	68	16	100	336	8.86.G5001200A*
1400	500	68	16	100	392	8.86.G5001400A*

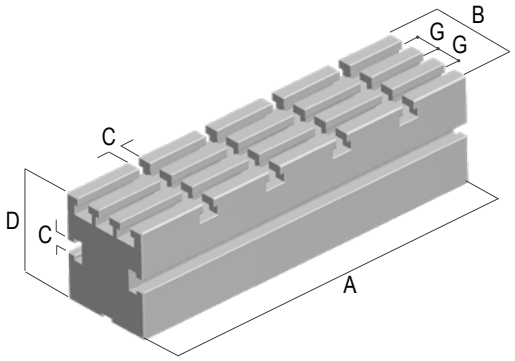
* Misure disponibli a richiesta - Sizes available on request

SOVRATAVOLA - BASE PLATES

ACCIAIO - STEEL METAL Fe420

Art. 94

Supporto base con cave H7 **temprato**
H7 T-slots support base plate **case hardened**



Materiale: acciaio cementato e temprato 55HRC ± 2
Material: case-hardened steel 55HRC ± 2

Dimensioni - Dimensions (mm) A	B	C H7	D	G	Kg	Cod.
400	125	14	140	50	46	8.94.400125
600	125	14	140	50	68	8.94.600125
800	125	14	140	50	92	8.94.800125
1000	125	14	140	50	114	8.94.1000125

! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica - For different finishing and materials (aluminium), ask for specific quotation

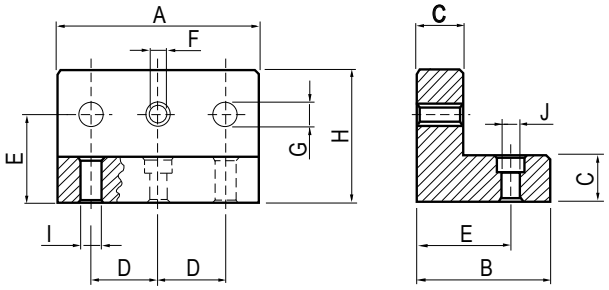
ELEMENTI MODULARI - MODULAR ELEMENTS

Dimensioni - Dimensions (mm)	A	B	C	D	E	F	G	H	I	J	kg	Cod.
	120	80	30	40	60	M10	12	80	12	11	3,5	8.66.402210
	120	100	35	50	70	M12	16	100	16	13	6	8.66.502210

Art. 66

Squadra piccola
Angle small

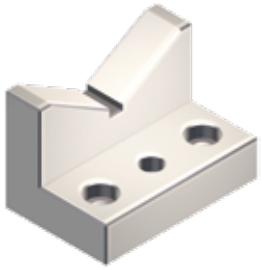


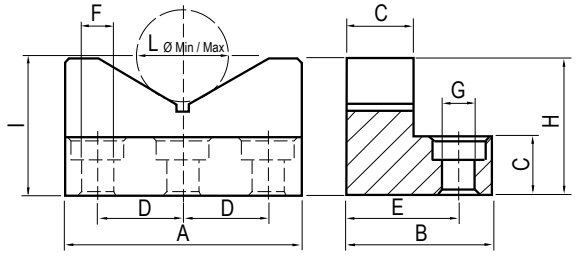


A	B	C	D	E	F	G	H	I	L	kg	Cod.
120	80	30	40	60	12	11	80	86	30 / 180	3	8.68.402410
150	100	35	50	70	16	13	100	98	30 / 220	5	8.68.502410

Art. 68

Squadra a "V"
V-block





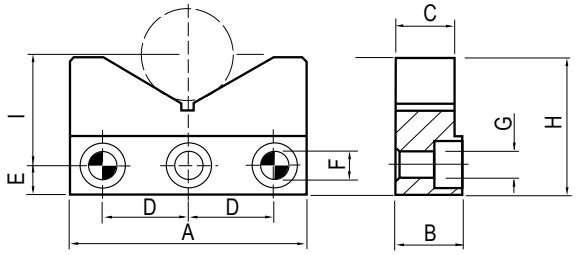
QUOTA **"I"** RILEVATA CON Ø60 h7 - **"I"** DIMENSION Ø60 h7

A	B	C	D	E	F	G	H	I	L	kg	Cod.
120	30	27	40	20	12	11	80	66	30 / 180	3	8.69.402610
150	35	30	50	20	16	13	100	68	30 / 220	16	8.69.502610

Art. 69

Piastra a "V"
V-pad





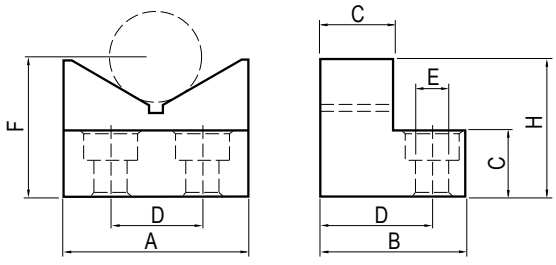
QUOTA **"I"** RILEVATA CON Ø60 h7 -**"I"** DIMENSION Ø60 h7

A	B	C	D	E	F	G	H	I	L	kg	Cod.
98	74	35	50	16	78	-	78	-	30 / 150	3	8.69.A510180

Art. 69A

Squadra modulare a "V"
Modular V-block





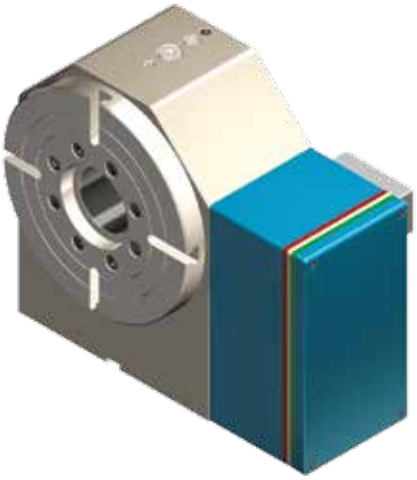
QUOTA **"I"** RILEVATA CON Ø50 h7 - **"I"** DIMENSION Ø50 h7

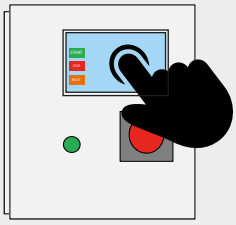
8

DIVISORE AUTOMATICO DPG 250
AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

DPG 250





PROGRAMMAZIONE **TOUCH SCREEN**
FACILE ED INTUITIVA O TRAMITE COLLEGAMENTO DIRETTO AL CNC

EASY AND INTUITIVE **TOUCH SCREEN**
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

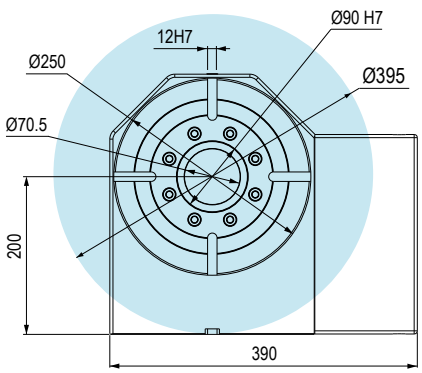
- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento assiale
- Completa tenuta stagna ai liquidi con possibilità di pressurizzazione
- Possibilità di montare motori di tutte le marche
- Dimensioni esterne contenute
- Finestra di controlli liquidi e condensa
- Lavorazione in posizionamento a 360°

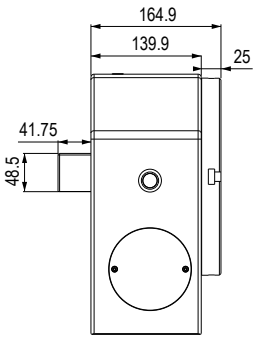
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization
- Possibility to mount motors of all brands
- Reduced external dimensions
- Condensation and liquid control window
- 360° work positioning

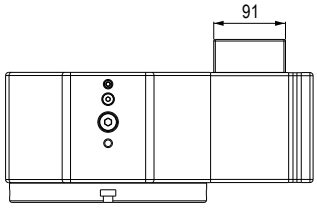
Dati tecnici
Technical Data

Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Cleareance hole diameter		70,5 mm
Altezza punte Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		Idraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
Motore Servo motor		3000 Max.g/min
Minimo incremento Minimum increment		0,002
Velocità di rotazione Rotation speed		33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)		1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)		1/180
Precisione Indexing accuracy		±10 Sec.
Ripetibilità Repeatability		4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical	Kg.550
	Orizzontale Horizontal	Kg.1500
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DP.G2500

DPG 250

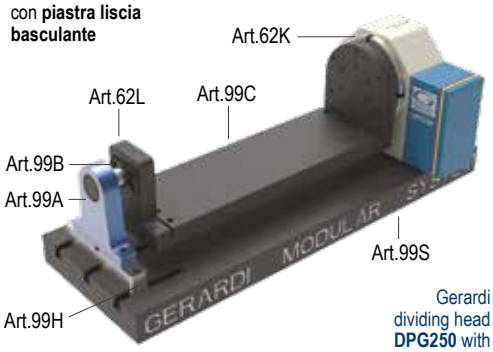






Versione piastra basculante Tilting plate type		C	D	E	F	G	P
500	Cod.	8.DP.G250C5	8.DP.G250D5	8.DP.G250E5	8.DP.G250F5	8.DP.G250G5	8.DP.G250P5
600	Cod.	8.DP.G250C6	8.DP.G250D6	8.DP.G250E6	8.DP.G250F6	8.DP.G250G6	8.DP.G250P6
700	Cod.	8.DP.G250C7	8.DP.G250D7	8.DP.G250E7	8.DP.G250F7	8.DP.G250G7	8.DP.G250P7
800	Cod.	8.DP.G250C8	8.DP.G250D8	8.DP.G250E8	8.DP.G250F8	8.DP.G250G8	8.DP.G250P8
1000	Cod.	8.DP.G250C1	8.DP.G250D1	8.DP.G250E1	8.DP.G250F1	8.DP.G250G1	8.DP.G250P1

Divisore Gerardi **DPG250** con **piastra liscia basculante**



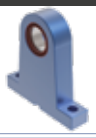
Gerardi dividing head **DPG250** with **tilting smooth plate**

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.	8.99.A1000

Art. 99B

Perno di centraggio orizzontale
Horizontal centering pin



Cod.	8.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod.	8.99.H1000

Art. 62K

DPG250

Piastra di interfaccia per tavola basculante completa di sistema d'allineamento
Connecting plate with alignement system for tilting table



Cod.	8.62.KADPG250

Art. 62L

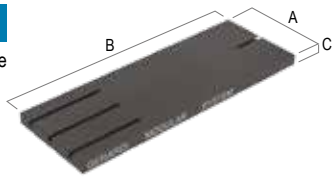
Piastra di interfaccia per perno di centraggio
Connecting plate for centering pin



Cod.	8.62.L250000

Art. 99S

Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground



Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
600	400	50	94	7.99.S060S	
900	400	50	141	7.99.S090S	
1200	400	50	188	7.99.S120S	
1500	400	50	234	7.99.S150S	

Cave o fori calibrati su richiesta
Slot or calibrated holes on request

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm

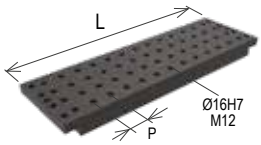
Art. 99C

Piastra liscia
Interface plate



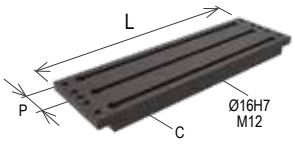
Art. 99E

Piastra a reticolo integrale
Grid plate



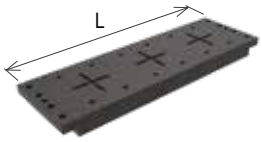
Art. 99G

Piastra con cave
Plate with slots grooved type



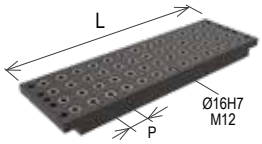
Art. 99D

Piastra personalizzata
Personalized plate



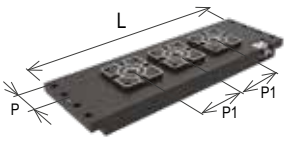
Art. 99F

Piastra a reticolo con bussole e filetti riportati
Grind plate with bushings and elicoils



Art. 99P

Piastra con zero point
Zero point plate



Tipo Types	L (mm)	P (mm)	C (mm)	P1 (mm)
99C	300 350	-	-	-
99F	400 450	50	-	-
99G	500 550	Su richiesta On request	Su richiesta On request	-
99D	600	-	-	-
99E	650 700	50	-	-
99P	750 800	150 - 200 250 - 300	-	100 - 150 200

DIVISORE MECCANICO DIVIGER 205
MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DIVIGER 205



Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Cleareance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione Indexing accuracy	±10 Sec.
Coppia in lavoro Driving torque	3000 Nm
Kg	93
Cod.	7.66.73000

DIVISORE MECCANICO, SENZA CAVI O IDRAULICA, PERMACCHINE A CNC

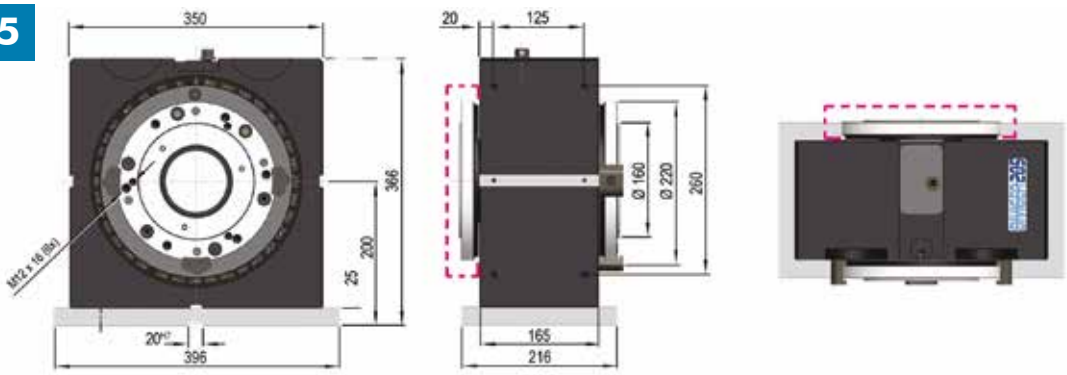
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES OR HYDRAULIC, FOR CNC MILLING MACHINE

- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta
- Lavorazione a barra grazie al mandrino cavo
- Utilizzabile orizzontalmente o verticalmente
- Cambio tramite serraggio a cuneo

- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due to hollow spindle
- To be used horizontaly or vertically
- Quick change through wedge clamping

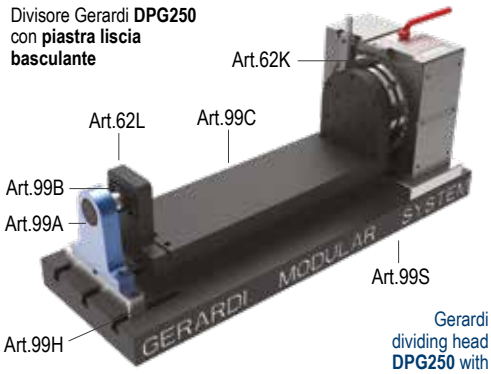


DIVIGER 205



Versione piastra basculante Tilting plate type		C	D	E	F	G	P
500	Cod.	8.DI.V250C5	8.DI.V250D5	8.DI.V250E5	8.DI.V250F5	8.DI.V250G5	8.DI.V250P5
600	Cod.	8.DI.V250C6	8.DI.V250D6	8.DI.V250E6	8.DI.V250F6	8.DI.V250G6	8.DI.V250P6
700	Cod.	8.DI.V250C7	8.DI.V250D7	8.DI.V250E7	8.DI.V250F7	8.DI.V250G7	8.DI.V250P7
800	Cod.	8.DI.V250C8	8.DI.V250D8	8.DI.V250E8	8.DI.V250F8	8.DI.V250G8	8.DI.V250P8
1000	Cod.	8.DI.V250C1	8.DI.V250D1	8.DI.V250E1	8.DI.V250F1	8.DI.V250G1	8.DI.V250P1

Divisore Gerardi **DPG250** con **piastra liscia basculante**



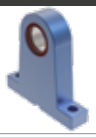
Gerardi dividing head **DPG250** with **tilting smooth plate**

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diviger, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.	8.99.A1000

Art. 99B

Perno di centraggio orizzontale
Horizontal centering pin



Cod.	8.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod.	8.99.H1000

Art. 62K

DIVIGER 205

Piastra di interfaccia per tavola basculante completa di sistema d'allineamento
Connecting plate with alignement system for tilting table



Cod.	8.62.KADIV205

Art. 62L

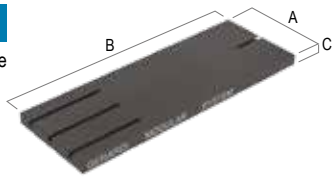
Piastra di interfaccia per perno di centraggio
Connecting plate for centering pin



Cod.	8.62.L250000

Art. 99S

Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground



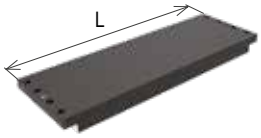
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
600	400	50	94	7.99.S060S	
900	400	50	141	7.99.S090S	
1200	400	50	188	7.99.S120S	
1500	400	50	234	7.99.S150S	

Cave o fori calibrati su richiesta
Slot or calibrated holes on request

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm

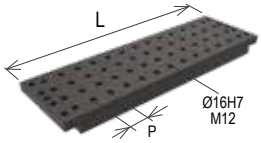
Art. 99C

Piastra liscia
Smooth plate



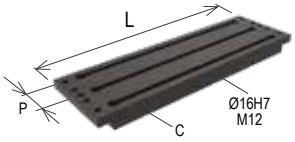
Art. 99E

Piastra a reticolo integrale
Grid plate



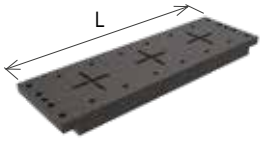
Art. 99G

Piastra con cave
Plate with slots grooved type



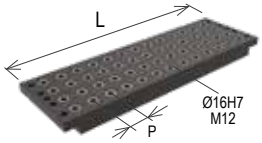
Art. 99D

Piastra personalizzata
Personalized plate



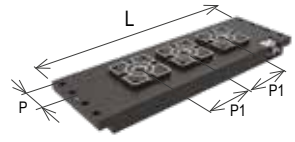
Art. 99F

Piastra a reticolo con bussole e filetti riportati
Grind plate with bushings and elicoils



Art. 99P

Piastra con zero point
Zero point plate



Tipo Types	L (mm)	P (mm)	C (mm)	P1 (mm)
99C	300 350	-	-	-
99F	400 450	50	-	-
99G	500 550	Su richiesta On request	Su richiesta On request	-
99D	600	-	-	-
99E	650 700	50	-	-
99P	750 800	150 - 200 250 - 300	-	100 - 150 200

8

PALLETS

Precisione / Accuracy
±0,005mm

HRC

Durezza / Hardened
HRC 58±2

Il miglior pallet per il tuo centro di lavoro orizzontale

The best pallet for your horizontal machining cenre

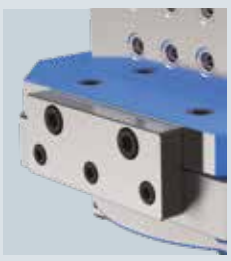


A cave o reticolo

T slot or Grid

I pallet Gerardi sono tutti disponibili nelle versioni a cave o reticolo in ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione. Massima precisione!

All Gerardi pallets are available with caves or grid and are made with solid cast iron cast G30 with double stress heat treatment. Highest accuracy!



Arresto laterale

Workstop

Per un rapido e preciso allineamento dell'attrezzatura i pallets sono provvisti di due arresti laterali

Gerardi pallets are equipped with two workstops for quick and accurate positioning of the fixture


DOOSAN


DMGMORI


MANDELLI


MAKINO


MAZAK


OKUMA


KIWA

ACCESSORI E PARTI DI RICAMBIO
SPARE PARTS AND ACCESSORIES

Tutti gli accessori sono forniti completamente temprati e rettificati. **TUTTI I COMPONENTI SONO COMPRESI NEL PREZZO**
All accessories are supplied completely hardened and ground HRC60. **PRICE ALL INCLUSIVE**

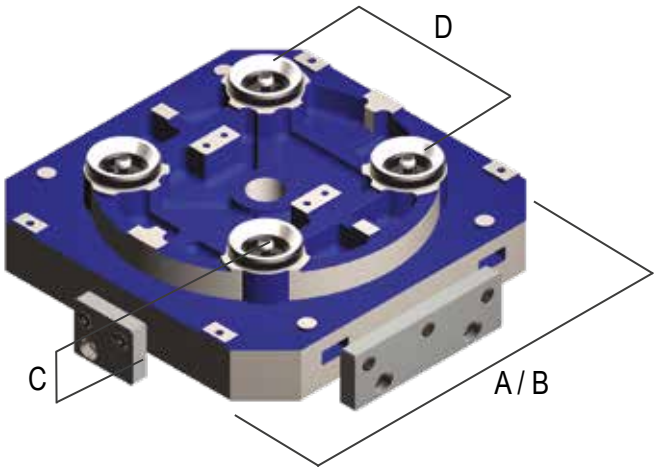


1	**Art.45B TIRANTE** PULL-STUD
2	**VITI DI FISSAGGIO** FIXING SCREWS
3	**Art.85C BUSSOLA CONICA** CONIC BUSHING
4	**Art.85D SPESSORE** SPACER
5	**VITI DI FISSAGGIO** FIXING SCREWS
6	**Art.85L BUSSOLA DI CENTRAGGIO** CENTERING BUSHING
7	**Art.85E PIASTRA GRANDE** BIG PLATE

8	**Art.85H BLOCCHETTO DI RIFERIMENTO** REFERENT BLOCK
9	**Art.85Z / 86Z CORPO DEL PALLET** PALLET BODY
10	**Art.85F PIASTRA PICCOLA** SMALL PLATE
11	**VITI DI FISSAGGIO** FIXING SCREWS
12	**O-RING DI TENUTA** O-RING
13	**Art.85G TAPPO** PLUG

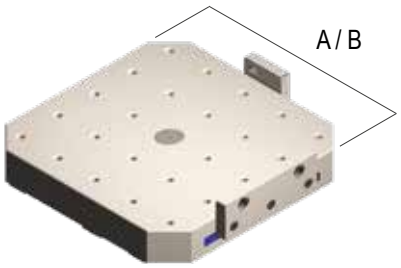
PALLET MAKINO
MAKINO PALLET

Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione. **Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**



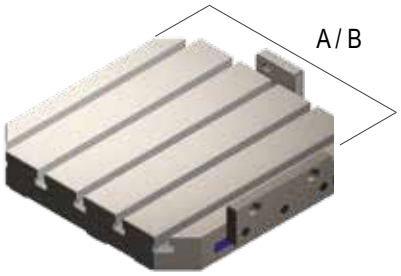
Art. 85

Pallet a reticolo con fori integrali M16
Grid type pallet with solid threads M16



Art. 86

Pallet con cave a **T** H7
H7 T slots pallet



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !



Art. 85E

Piastra grande
Big plate

Cod.	8.85.E....MAK*



Art. 85F

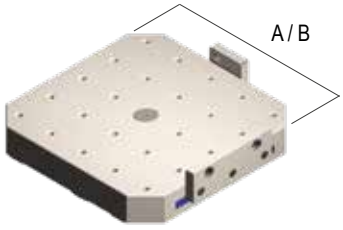
Piastra piccola
Small plate

Cod.	8.85.F....MAK*

*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050MAK / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050MAK

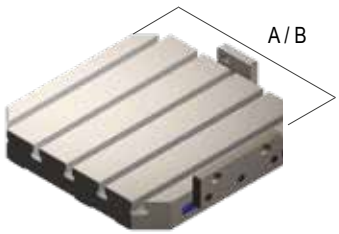
PALLET MAKINO Art.85

Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.
400	400	115	200	A51NX - A51 - A55	8.85.4040MAK
500	500	115	200	A55E - A66	8.85.5050MAK/200
500	500	138	240	A61NX - A61 A66E - A77E - A66	8.85.5050MAK
500	630	168	300	A71	8.85.5063MAK
630	630	168	300	A81 - A81M - A82 - A88 A88E A77 - A82M - A81NX	8.85.6363MAK
800	800	168	400	A99E	8.85.8080MAK



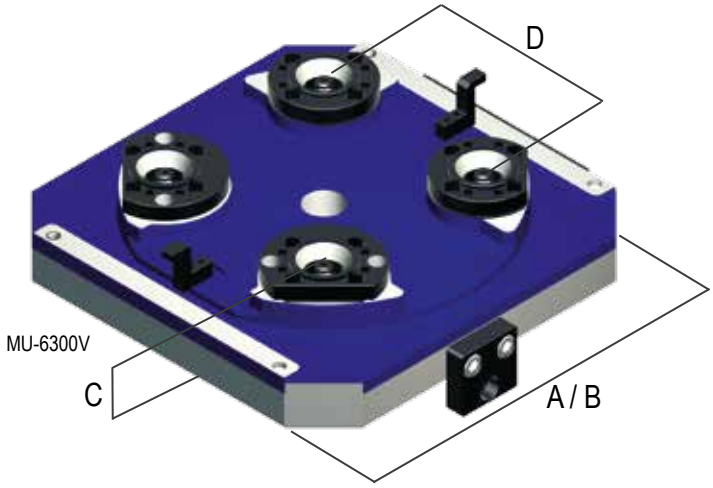
PALLET MAKINO Art.86

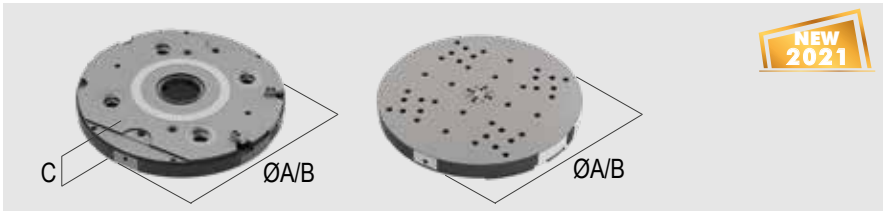
Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.
400	400	115	200	A51NX - A51 - A55	8.86.4040MAK
500	500	115	200	A55E - A66	8.86.5050MAK/200
500	500	138	240	A61NX - A61 A66E - A77E - A66	8.86.5050MAK
500	630	168	300	A71	8.85.5063MAK
630	630	168	300	A81 - A81M - A82 - A88 A88E A77 - A82M - A81NX	8.86.6363MAK
800	800	168	400	A99E	8.86.8080MAK



PALLET OKUMA
OKUMA PALLET

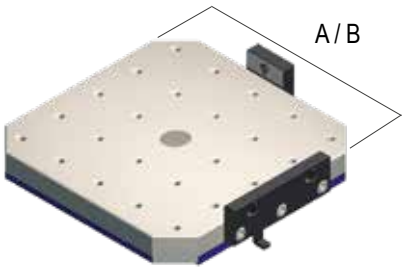
Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione. **Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment. **Highest accuracy**





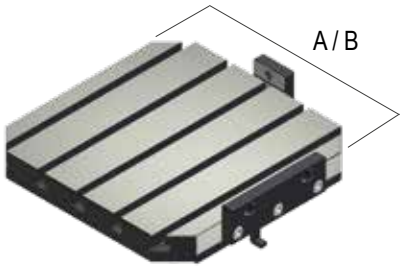
Art. 85

Pallet a reticolo con fori integrali M16
Grid type pallet with solid threads M16

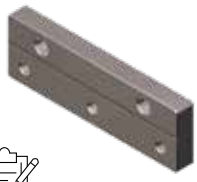


Art. 86

Pallet con cave a **T** H7
H7 T slots pallet



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !



Art. 85E

Piastra grande
Big plate

Cod.	8.85.E....OKU*



Art. 85H

Blocchetto di riferimento
Referent block

Cod.	8.85.H....OKU



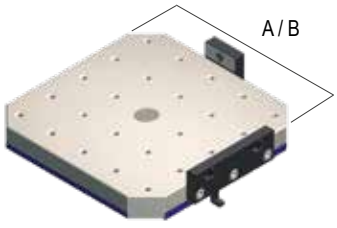
Art. 85F

Piastra piccola
Small plate

Cod.	8.85.F....OKU*

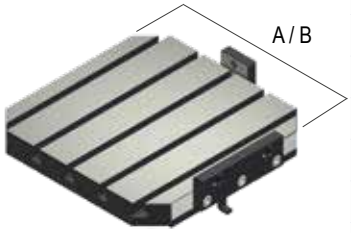
*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050OKU / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050OKU

PALLET OKUMA Art.85



Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.
400	400	95	200	MA 400 HA - MB 4000 H - MA 40 H	8.85.4040OKU
500	500	95	200	MB 5000 H	8.85.5050OKU/200
500	500	118	240	MA 500 H II - MA 50	8.85.5050OKU
630	630	112	320	MA 600 H II - MA 60 H	8.85.6363OKU
Ø630	Ø630	63	300	MU 6300V	8.85.6363OKU2
800	800	146	400	MA 800 HB	8.85.8080OKU
1000	1000	-	-	MB 10000 H	8.85.1010OKU

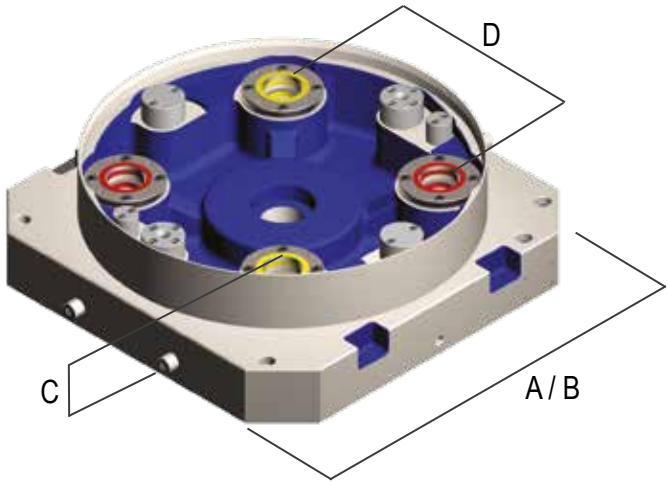
PALLET OKUMA Art.86



Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.
400	400	95	200	MA 400 HA - MB 4000 H - MA 40 H	8.86.4040OKU
500	500	95	200	MB 5000 H	8.86.5050OKU/200
500	500	118	240	MA 500 H II - MA 50	8.86.5050OKU
630	630	112	320	MA 600 H II - MA 60 H	8.86.6363OKU
Ø630	Ø630	63	300	MU 6300V	8.85.6363OKU2
800	800	146	400	MA 800 HB	8.86.8080OKU
1000	1000	-	-	MB 10000 H	8.86.1010OKU

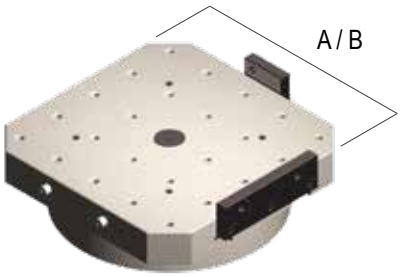
PALLET DMG-MORI
DMG-MORI PALLET

Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione.Massima precisione
Solid cast iron cast G30 with double stress relieving heat treatment.Highest accuracy



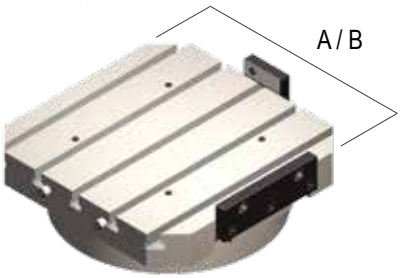
Art. 85

Pallet a reticolo con fori integrali M16
Grid type pallet with solid threads M16



Art. 86

Pallet con cave a T H7
H7 T slots pallet



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !



Art. 85E

Piastra grande
Big plate

Cod.	8.85.E....DMG*



Art. 85F

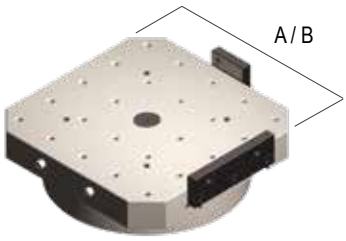
Piastra piccola
Small plate

Cod.	8.85.F....DMG*

*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050DMG / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050DMG

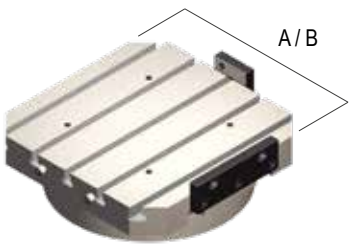
PALLET DMG MORI Art.85

Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.	
400	400	86	190	NHX 4000 2° - NH 4000 DCG	8.85.4040DMG	
500	500	120	250	NHX 5000 2° - NHX 5500 NH 5000 DCG/40	8.85.5050DMG	
630	630	157	300	NHX 6300 - NH 6300 DCGII DMC 80H douBLOCK - DMC 80H linear	8.85.6363DMG	
800	800	215	450	NHX 8000 DMC 100H douBLOCK - DMC 125H douBLOCK	8.85.8080DMG	
1000	1000	-	-	NHX 10000	8.85.1010DMG	



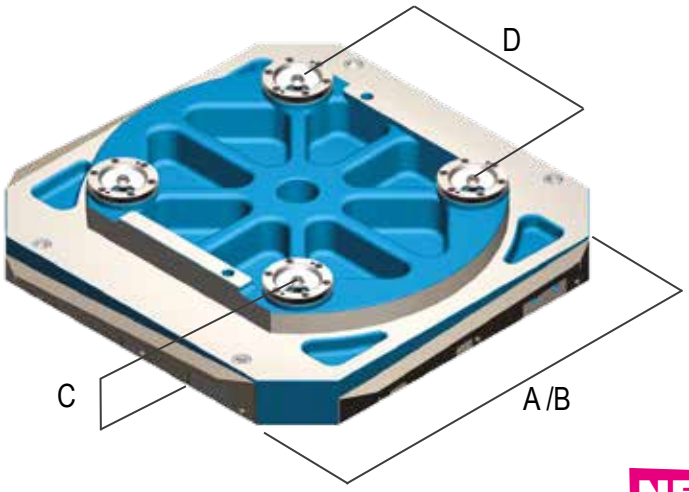
PALLET DMG MORI Art.86

Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.	
400	400	86	190	NHX 4000 2° - NH 4000 DCG	8.86.4040DMG	
500	500	120	250	NHX 5000 2° - NHX 5500 NH 5000 DCG/40	8.86.5050DMG	
630	630	157	300	NHX 6300 - NH 6300 DCGII DMC 80H douBLOCK - DMC 80H linear	8.86.6363DMG	
800	800	215	450	NHX 8000 DMC 100H douBLOCK - DMC 125H douBLOCK	8.86.8080DMG	
1000	1000	-	-	NHX 10000	8.86.1010DMG	



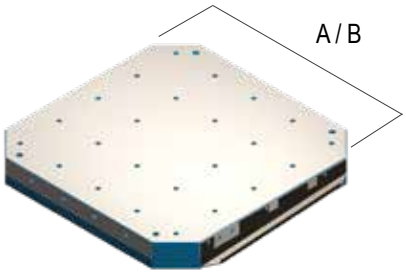
PALLET MAZAK
MAZAK PALLET

Ghisa monoblocco G30 stabilizzata con doppio trattamento di distensione.Massima precisione
Solid cast iron cast G30 with double stress relieving heat treatment.Highest accuracy



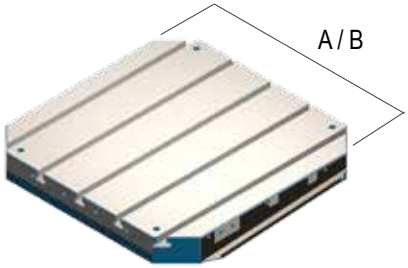
Art. 85

Pallet a reticolo con fori integrali M16
Grid type pallet with solid threads M16

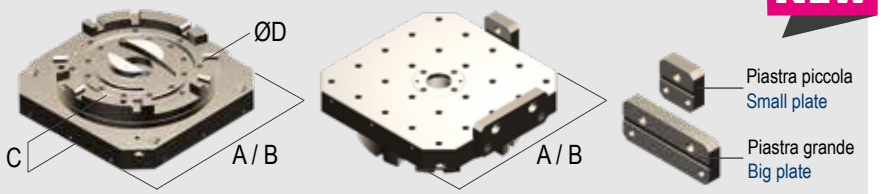


Art. 86

Pallet con cave a T H7
H7 T slots pallet



NEW



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !



Art. 85E

Piastra grande
Big plate

Cod.	8.85.E....MAZ*



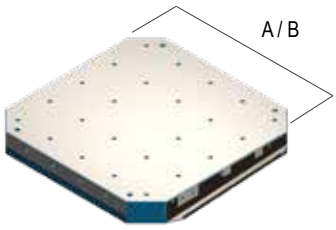
Art. 85F

Piastra piccola
Small plate

Cod.	8.85.F....MAZ*

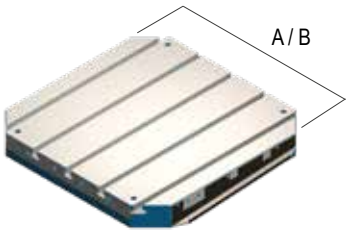
*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050MAZ / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050MAZ

PALLET MAZAK Art.85



Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.
400	400	-	-	HCN 4000 - NEXUS 4000III	8.85.4040MAZ
400	400	121	Ø350	FH - 4800	8.85.4040MAZ2
500	500	-	-	HCN 5000 - HCN 5000/50 NEXUS 5000III - NEXUS 6000II	8.85.5050MAZ
630	630	136	320	HCN 6800 - NEXUS 6800 II 6800 II HM PACKAGE	8.85.6363MAZ
800	800	167	420	M 8800 - HCN 8800 NEXUS 8800II - MEGA 8800	8.85.8080MAZ
1000	1000	-	-	M 10800 - HCN 10800 NEXUS 10800II - 10800II HM PACKAGE	8.85.1010MAZ

PALLET MAZAK Art.86

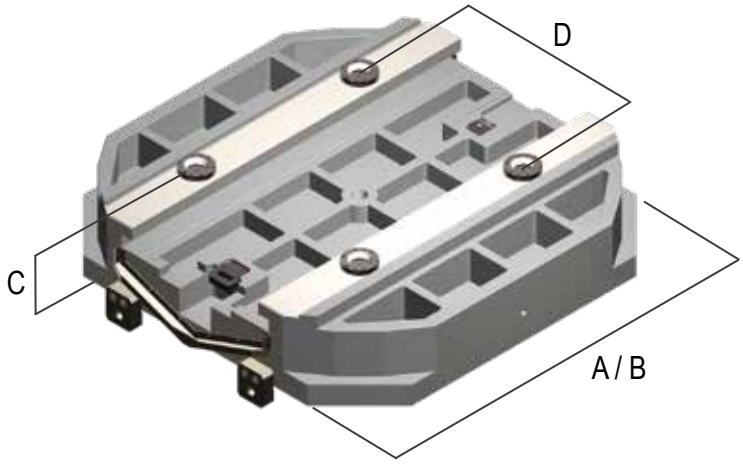


Dimensioni - Dimensions (mm) A	B	C	D	Modelli / Models	Cod.
400	400	95	200	HCN 4000 - NEXUS 4000III	8.86.4040MAZ
500	500	95	200	HCN 5000 - HCN 5000/50 NEXUS 5000III - NEXUS 6000II	8.86.5050MAZ
630	630	112	320	HCN 6800 - NEXUS 6800 II 6800 II HM PACKAGE	8.86.6363MAZ
800	800	146	400	M 8800 - HCN 8800 NEXUS 8800II - MEGA 8800	8.86.8080MAZ
1000	1000	-	-	M 10800 - HCN 10800 NEXUS 10800II - 10800II HM PACKAGE	8.86.1010MAZ

PALLET DOOSAN
DOOSAN PALLET

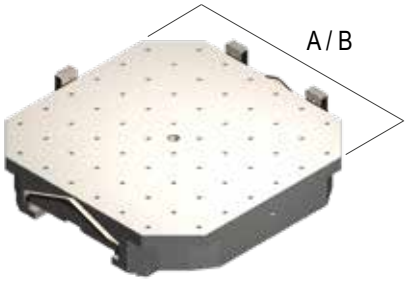
NEW

Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione.**Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment.**Highest accuracy**



Art. 85

Pallet a reticolo con fori integrali M16
Grid type pallet with solid threads M16



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !



Art. 85E

Piastra grande
Big plate

Cod.	8.85.E....MOR*

*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050DOO / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050DOO

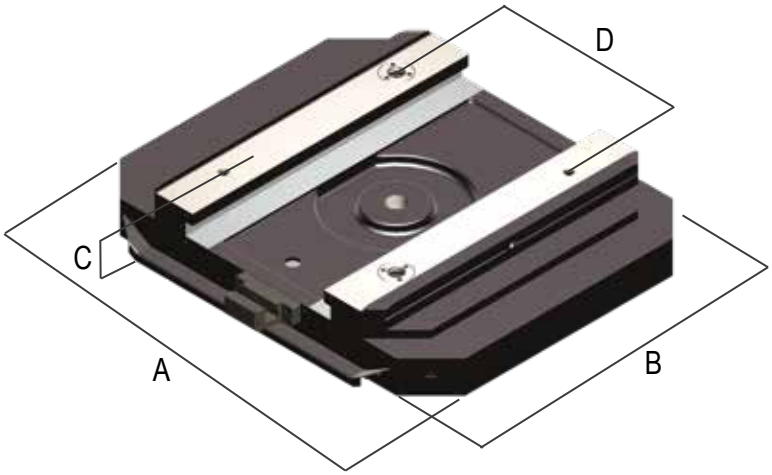
PALLET DOOSAN Art.85

Dimensioni - Dimensions (mm)	**A**	**B**	**C**	**D**	**Modelli** / Models	**Cod.**	
	1250	1250	268	620	HM - 1250	8.85.125125DO	

PALLET MANDELLI
MANDELLI PALLET

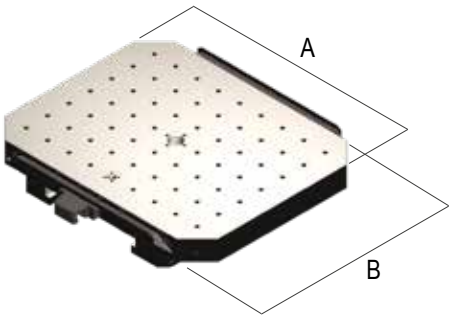
NEW

Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione.**Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment.**Highest accuracy**



Art. 85

Pallet a reticolo con fori integrali M16
Grid type pallet with solid threads M16



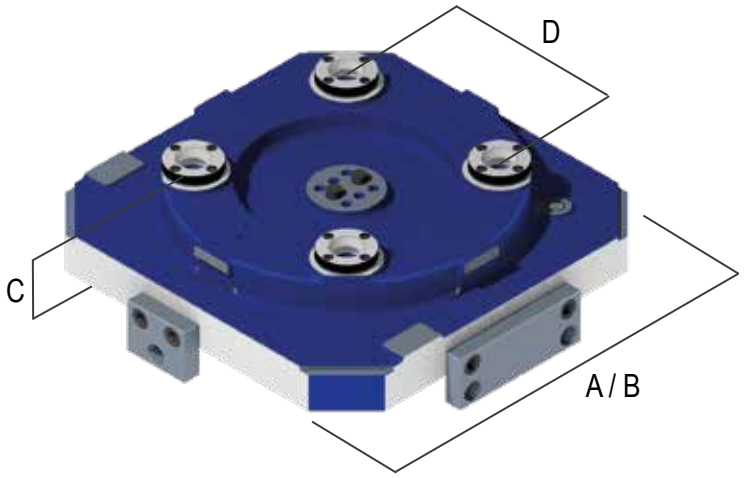
PALLET MANDELLI Art.85

Dimensioni - Dimensions (mm)	**A**	**B**	**C**	**D**	**Modelli** / Models	**Cod.**	
	800	1000	160	500	SPARK 1600X	8.85.125100MA	

PALLET KIWA
KIWA PALLET

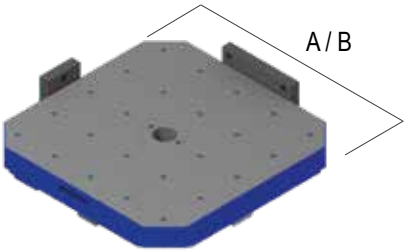
NEW 2021

Ghisa monoblocco **G30** stabilizzata con doppio trattamento di distensione.**Massima precisione**
Solid cast iron cast G30 with double stress relieving heat treatment.**Highest accuracy**



Art.85

Pallet a reticolo con fori integrali M16
Grid type pallet with solid threads M16



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !



Art. 85E
Piastra grande
Big plate

Cod.	8.85.E....KWA*



Art. 85F
Piastra piccola
Small plate

Cod.	8.85.F....KWA*

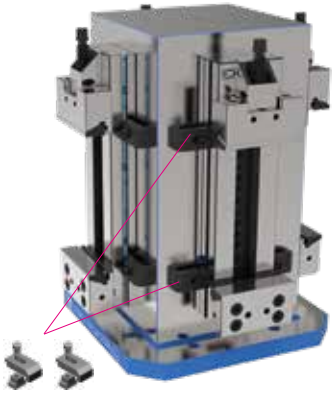
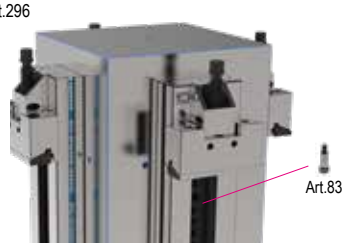
*Esempio ordine: per art. 85F montato su pallet 500x500 il codice è: 8.85.F5050DOO / *Order example: for Art. 85F mounted on 500x500 pallet the code is: 8.85.F5050DOO

PALLET KIWA Art.85

Dimensioni - Dimensions (mm)	A	B	C	D	**Modelli** / Models	Cod.	
	500	500	124,48	240	-	8.85.5050KWA	

8

PREDISPOSIZIONE e MONTAGGIO MORSE su CUBI LAVORATI
TOMBSTONES SET-UP and VISES MOUNTING on MACHINED TOMBSTONES

Cubo lavorato Art.53C Machined cube Art.53C	**Tipo di morsa** Vise type	**Predisposizione e montaggio*** Set-up & Mounting*	**Cubo con morse** Cube with vises
Cod. 8.53.C00171 Dim. A=350 / B=500 / H=700	Art.1 Tipo 4x300	Per morsa / each vise	
			
n°morse Vises n° **x 4**	Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni morsa. Amount needed for the set-up of each side and mounting + alignement of each vise on it.		

* Predisposizione lato cubo, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

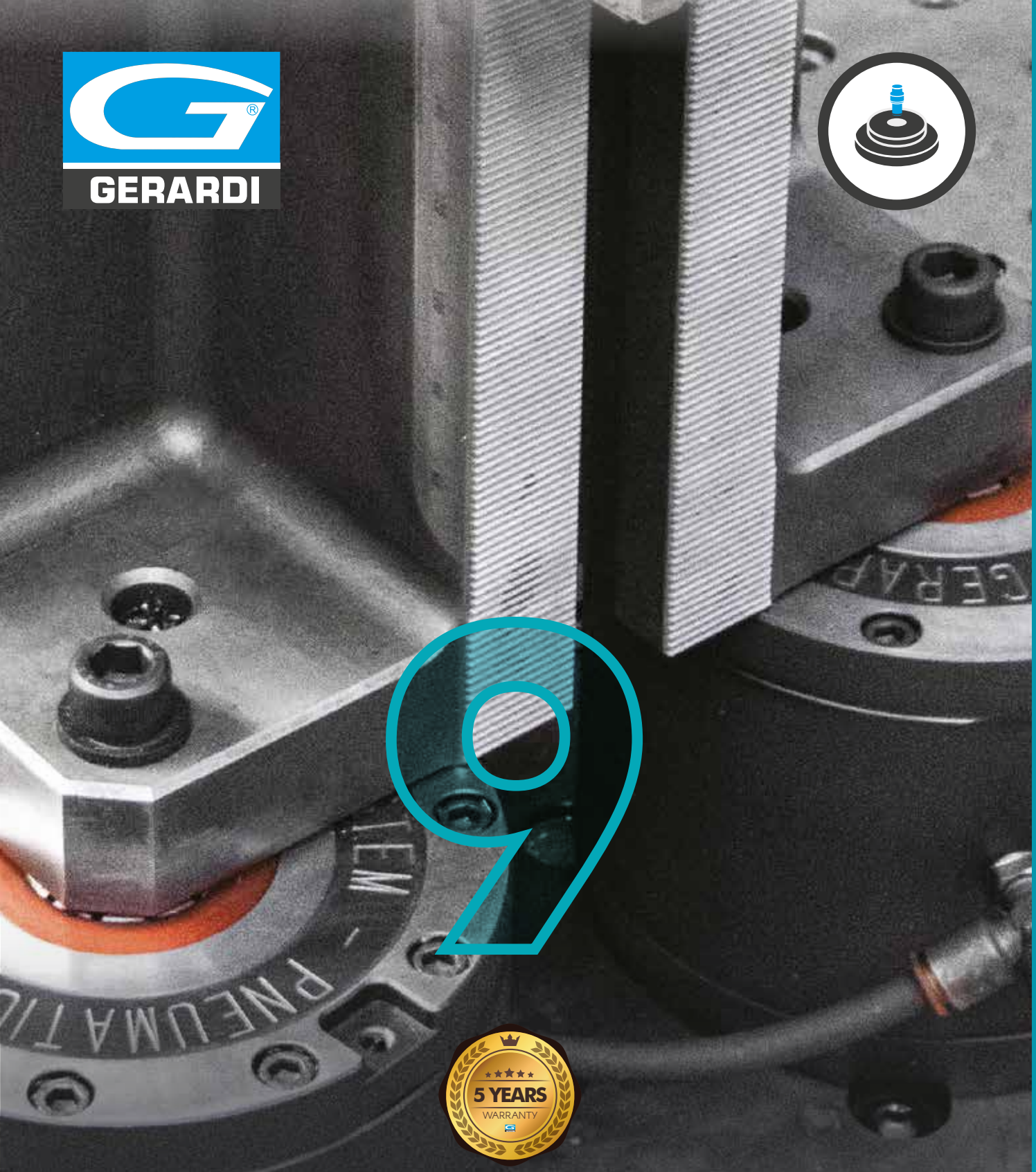
MONTAGGIO MORSE in VERTICALE su CUBO INTERFACCIATO
VISE VERTICAL MOUNTING on COMPLETELY INTERFACED TOMBSTONES

Cubo lavorato Art.57G Machined cube Art.57G	**Tipo di morsa** Vise type	**Montaggio e allineamento*** Mounting & alignment*	**Cubo con morse** Cube with vises
Cod. 8.57.G00105 Dim. A=200 / B=500 / E= 80 H=650	Art.600 Tipo 2x600	Per morsa / each vise	
			
n°morse Vises n° **x 4**	Importo per montaggio ed allineamento di ogni morsa. Amount need for each vise mounting and alignement.		

* Montaggio e allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
Vises mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

Certficato di collaudo
Certificate test

GERARDI



9

5 YEARS WARRANTY

Accurate, Quick & Safe

ZERO POINT

Sistema di serraggio / *Clamping System*

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VALIGETTA DI CAMPIONATURA ZERO POINT & MULTITASKING NEW

SAMPLE KIT CASE STD ZERO POINT & MULTITASKING



Art. 982

Valigetta di campionatura morsa Art.640 - Art.665 - Art.81P
Sample kit case Art.640- Art.665 - Art.81P

Cod.	0.98.20000

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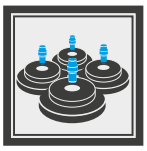
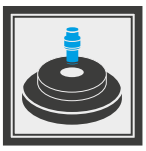
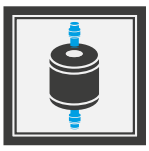
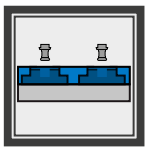
SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

ZERO POINT ZERO POINT	 Montaggio multiplo Multiple mounting	 Montaggio singolo Single mounting	 Doppio Double	 Carter per piastre interfacciate Carter for interfaced head plates	 Montaggio incassato Built-in mounting	 Montaggio con flangia Independent mounting
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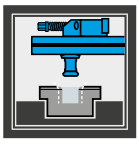
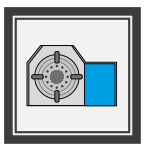
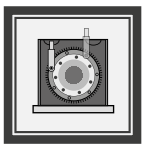
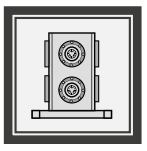
POSSIBILITÀ POSSIBILITY		 Doppio effetto Double effect	 Predisposizione Zero Point Zero Point ready	 Divisore Automatico Automatic dividing head	 Divisore Meccanico Mechanical dividing head	 Cubi portapezzi Tombstones
PAGINE PAGES					 Accessori & Ricambi Accessories & Spare Parts	 Istruzioni corretto utilizzo Instruction for a proper use

Sistema / *System*

ZERO POINT

Precisione / Accuracy
±0,005mm

HRC

Durezza / Hardened
HRC 58±2

Il nuovo sistema di posizionamento ed ancoraggio istantaneo

The new Gerardi immediate positioning and clamping system

CARATTERISTICHE & VANTAGGI

√ **OTTIMIZZAZIONE DELLA PRODUZIONE**

√ **IRREVERSIBILE**

√ **ABBATTIMENTO DEI TEMPI DI ALLESTIMENTO MACCHINA -95%**

√ **CARICAMENTO DEI PARTICOLARI DA LAVORARE RAPIDO E SEMPLICE**

√ **RISPARMIO SULLE ATTREZZATURE (Su un solo cubo si possono montare diversi tipi di morse)**

TECHNICAL FEATURES & ADVANTAGES

√ PRODUCTION OPTIMIZATION

√ IRREVERSIBLE

√ MINIMUM MACHINE SET UP TIMES -95%

√ QUICKEST AND SIMPLE LOAD OF WORKPIECES TO BE MACHINED

√ SAVING ON FIXTURES (On the same tombstone you can mount different types of vises)

QUALITÀ GERARDI

√ **RIPETIBILITÀ ENTRO 0,005 MM**

√ **PINZA ELASTICA INTEGRALE PER UNA MIGLIORE COMPENSAZIONE DI ERRORI DI INTERASSE E DELLE DILATAZIONI**

√ **POSIZIONAMENTO E RIMOZIONE DELLE ATTREZZATURE RAPIDA E PRECISA**

√ **TUTTI I COMPONENTI SONO IN ACCIAIO TEMPRATO E RETTIFICATO**

√ **QUALITÀ GARANTITA DA ANNI DI COLLAUDO NELLA PROPRIA OFFICINA**

√ **START UP IMMEDIATO! VERIFICA DELLA PRECISIONE DEI SUPPORTI E DELLE ATTREZZATURE CHE MONTANO ZERO-POINT.**

GERARDI QUALITY

√ REPOSITIONING ACCURACY WITHIN 0,005mm

√ INTEGRAL ELASTIC COLLET FOR A BETTER COMPENSATION OF CENTER-TO-CENTER DISTANCE ERROR AND DILATATION

√ ALL COMPONENTS MADE OF SPECIAL ALLOY OF STEEL CASE HARDNED AND GROUND HRC 60

√ QUALITY GUARANTEED BY YEARS OF TESTS AND REAL USE IN OUR WORK-SHOP AND 20 YEARS PRODUCTION AND MARKET PRESENCE IN THIS SPECIFIC PRODUCTS

√ IMMEDIATE START UP! GUARANTEE OF DOUBLE CHECK OF ALL THE FIXTURES ASSEMBLED WITH ZERO-POINT BY GERARDI



Pinze elastiche integrali

Solid elastic collets

Il sistema zero-point multiplo (art.664-665) grazie alla pinza elastica integrale consente una translazione laterale che compensa errori di interassi e variazioni dovute alla temperatura. Il punto di riferimento centrale rimane costante per garantire una ripetibilità millesimale.

The multiple Zero Point system (Art.664-665) allows, thanks to the solid integral elastic collet, a lateral translation, that solves problems of centre distances and variations caused by the temperature. The central reference point remains steady accuracy within microns.

Attrezzatura o particolare
Fixture or Workpiece



Piastra d'interfaccia
Interface plate



Piastra base Zero Point
Zero Point head plate





Tiranti

Pull Studs



I tiranti assicurano un corretto allineamento e posizionamento del particolare o dell'attrezzatura da serrare. Esitono tiranti Maschio e tiranti Femmina a secondo dell'applicazione

The Pull Studs ensure a correct alignement and positioning of the fixtures and can be also assembled directly on the workpiece. They can be male or female according to the application needs

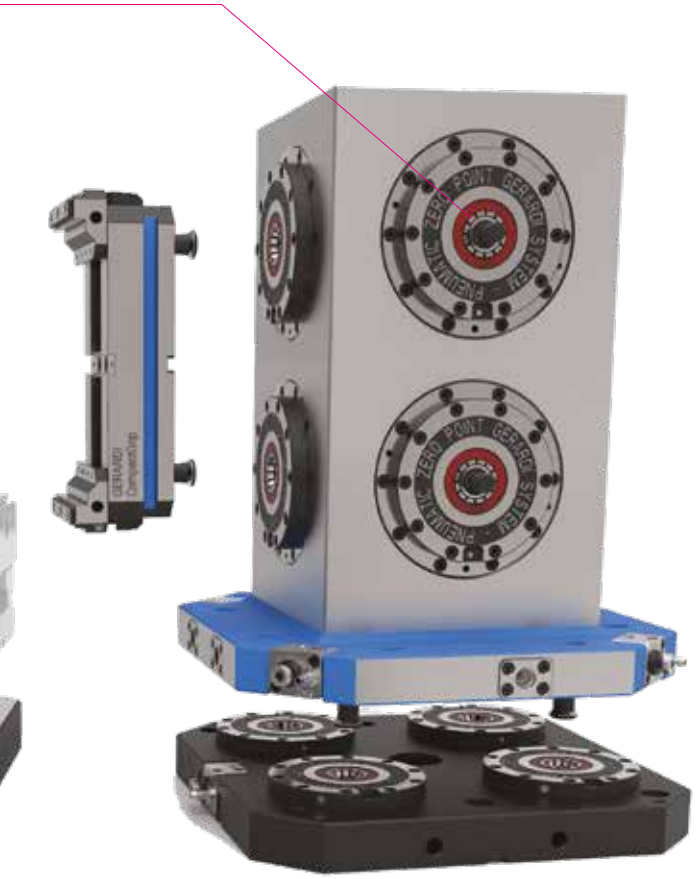
Lo Zero Point è un sistema di posizionamento ed ancoraggio istantaneo, rappresenta la soluzione ideale per la movimentazione ed il serraggio preciso, rapido e sicuro delle attrezzature sul pallet delle macchine utensili. Lo Zero Point è un sistema "NORMALMENTE CHIUSO", utilizza molle che permettono il bloccaggio del tirante mediante le sfere poste all'interno, mentre l' aria compressa, filtrata e lubrificata, serve solo per lo sbloccaggio di conseguenza non c'è la necessità di tenere tubi collegati all'attrezzatura.

The Zero Point is an immediate positioning and clamping system, that represents the ideal solution for the positioning and the precise, fast and firm clamping of the equipments on the machine tools.The Zero Point is a system "NORMALLY CLOSED", that uses die springs which allows the clamping of the pull-stud through the spheres located inside, while the filtered and lubricated compressed air enables the release only so there is no need to keep pipes connected constantly to the fixture.

SCAN IT TO WATCH THE VIDEO PRESENTATION

5 YEARS WARRANTY

Preciso, Rapido e Sicuro
Accurate, Quick and Safe





L'ermetico
Per applicazioni singole
The Hermetic
For single applications



Il Classico
Per applicazioni multiple
The Classic
For multiple applications



Il Doppio
scopri di più a pagina 9.34
The Double
discover more page 9.34

OTTIMIZZAZIONE DELLA PRODUZIONE
(Riduzione tempi allestimento macchina 95%)

PRODUCTION OPTIMIZATION (95% set-up saving time)



Centri Verticali
Vertical CNC

Lo Zero Point può diventare l'interfaccia di tutte le tue attrezzature e anche dei tuoi particolari da lavorare

The Zero Point becomes the interface of all your fixtures and also your workpieces



Centri Orizzontali
Horizontal CNC

Lo Zero Point può essere la soluzione ideale per evolvere attrezzature già in tuo possesso

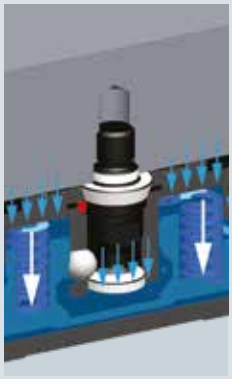
The Zero Point is also a way to upgrade your existing fixtures



Centri a 5 Assi
5th Axis CNC

Sono possibili applicazioni con l'utilizzo dello Zero Point anche per lavorazioni di particolari su centri a 5 assi

Also on 5th axis machines the same applications are of course possible



Incremento Forza
Clamping force increase

La funzione DOPPIO EFFETTO, possibile con zero point singoli (ermetici), permette di ottenere parametri di serraggio notevolmente superiori rispetto al normale funzionamento grazie alla valvola di non ritorno. Quando è azionata l' aria compressa aggiunge una forza pneumatica in supporto al normale sistema di serraggio tramite molle.

The DOUBLE EFFECT, possible with the single zero point units (hermetic), allows to get clamping results much higher than the normal thanks to the non-return valve. When the double effect is operated the air adds a pneumatic clamping power which supports and increases the normal clamping through springs.

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ZERO POINT PNEUMATICO MULTIPLO *(IL CLASSICO)*
MULTIPLE PNEUMATIC ZERO POINT *(THE CLASSIC)*



Ripetibilità entro 0,005 mm
Repositioning accuracy within 0,005 mm

Art. 664

Con flangia
With flange





Art. 665

Incassato
Built-in mounting





✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria 4 ÷ 7 bar / ✓ Sistema irreversibile / ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Doppio centraggio per tirante per massima rigidità ✓ Pulizia ad aria / ✓ Chiavetta antirotazione

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Irreversible system / ✓ Pneumatic release 4 ÷ 7 bar ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Double pull-stud centering for Max rigidity / ✓ Air cleaning / ✓ Antirotation keyway

ZERO POINT PNEUMATICO SINGOLO *(L'ERMETICO)*
SINGLE PNEUMATIC ZERO POINT *(THE HERMETIC)*





Ripetibilità entro 0,005 mm
Repositioning accuracy within 0,005 mm

Art. 664S

Con flangia
With flange





Art. 665S

Incassato
Built-in mounting

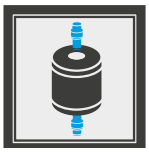




✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria 4 ÷ 7 bar / ✓ Sistema irreversibile / ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Doppio centraggio per tirante per massima rigidità ✓ Pulizia ad aria / ✓ Chiavetta antirotazione / ✓ Doppio effetto

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Irreversible system / ✓ Pneumatic release 4 ÷ 7 bar ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Double pull-stud centering for Max rigidity / ✓ Air cleaning / ✓ Antirotation keyway / ✓ Double effect

ZERO POINT PNEUMATICO DOPPIO
DOUBLE PNEUMATIC ZERO POINT



Ripetibilità entro 0,005 mm
Repositioning accuracy within 0,005 mm

✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria 4 ÷ 7 bar ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Doppio centraggio per tirante per massima rigidità ✓ Pulizia ad aria / ✓ Chiavetta antirotazione / ✓ Possibile versione con doppio effetto

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Pneumatic release 4 ÷ 7 bar ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Double pull-stud centering for Max rigidity ✓ Air cleaning / ✓ Antirotation keyway / ✓ Double effect type also possible

Art. 665T

Doppio
Double

Vedi Pag. 9.34 - 9.35
See pages 9.34 - 9.35

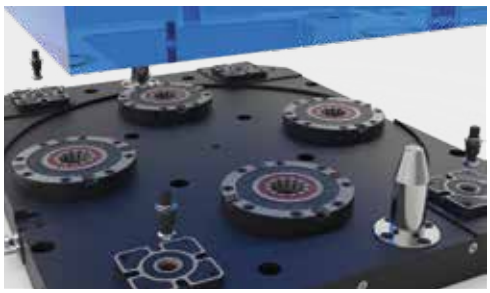


Soluzioni personalizzate / *Customized solutions*

Zero Point system

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

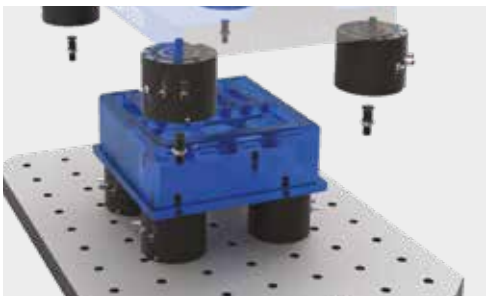


Doppio interasse

Double centre to centre distance

Piastra provvista di 4 unità Zero Point Tipo 2 e 4 unità Zero Point Tipo 1, disposte agli angoli permettendo il serraggio di particolari di grandi dimensioni con maggior stabilità

The head plate is also supplied with 4 Zero Point units Type 2 & 4 Zero Point units Type 1 located on the 4 edges that allow a higher stability when clamping workpieces of big dimensions.

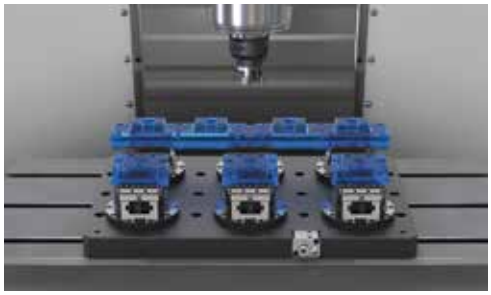


Zero Point doppio, estrema versatilità

Double Zero Point. Extreme versatility

Le unità Zero Point doppie possono infatti essere posizionate a diversi interassi tramite piastre a reticolo o dedicate

Double Zero Point units can be positioned with different pitches on specific grid plates.

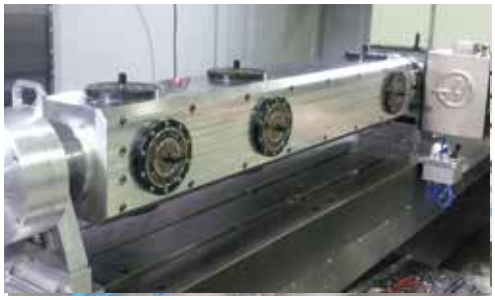


Una sola connessione per ancorarli tutti

Only one connection to clamp them all

Piastra base provvista di 6 unità Zero Point SINGOLI incassati. L'ancoraggio delle morse avviene in maniera simultanea tramite un unico comando ed un unico tirante

Base plate provided with 6 built-in SINGLE Zero Point units. Vise clamping performed through 1 single operation and 1 pull stud only



Zero Point su tavola girevole

Zero Point on Haas rotary table

Attrezzatura speciale con Zero Point applicata su tavola girevole HAAS

Special alluminum Zero Point fixture on HAAS rotary table



Non solo per centri a 5 assi

Not Only for 5 axis machining centres

Abbiamo calcolato che l'automazione della configurazione a 4 assi con un sistema Zero Point era più efficiente di una macchina a 5 assi a causa del numero di cambi utensile per pezzo.

We calculated that automating the 4 axis setup was more efficient through a Zero Point system than a 5 axis machine due to the number of tool changes per part.

OPZIONI DI INCREMENTO PRESSIONE ARIA
INCREASE AIR PRESSURE OPTIONS

Sistema di moltiplicazione di pressione aria aria con rapporto 1:2 per Zero point multiplo tipo 2
Mediante questo sistema vi è la possibilità di variare il numero e/o la tipologia di molle all' interno dello zero-point per avere una maggiore forza di serraggio *

Set for air overpressure with ratio 1:2 for multiple type 2 Zero point
This set allows the springs variation in type and/or quantity on the zero-point, to obtain a superior clamping strength *

AIR OUTPUT X2

Art. 408

Pressione ingresso / Input pressure	3 Bar	4 Bar	5 Bar	6 Bar	7 Bar
Pressione uscita / Output pressure	6 Bar	8 Bar	10 Bar	12 Bar	14 Bar
Cod.			9.40.80000		



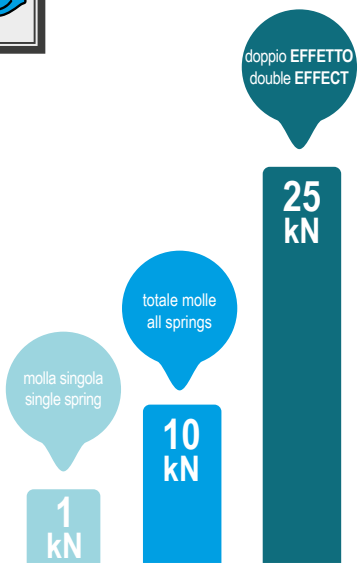
OPZIONI DI INCREMENTO FORZA DI SERRAGGIO ZERO-POINT SINGOLO
SINGLE ZERO-POINT OPTIONS FOR CLAMPING POWER INCREASE

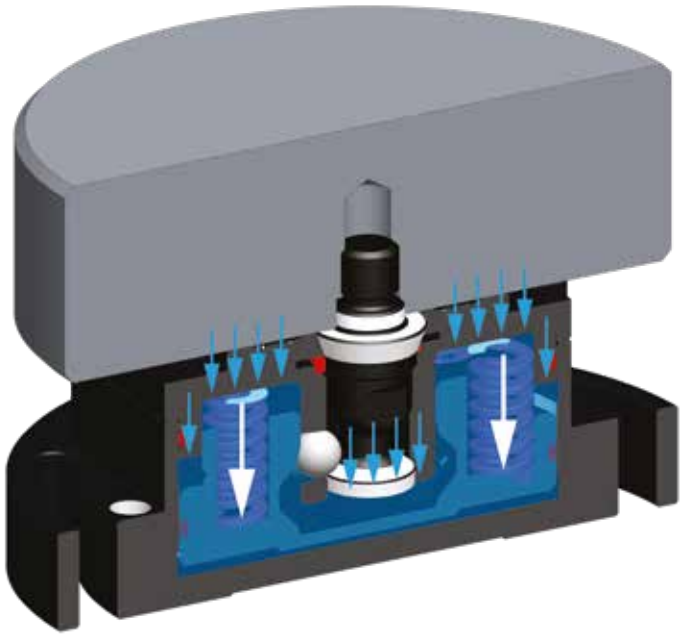
NEW

La funzione DOPPIO EFFETTO, possibile con zero point SINGOLI (ermetici), permette di ottenere parametri di serraggio notevolmente superiori rispetto al normale funzionamento grazie alla valvola di non ritorno. Quando è azionata l' aria compressa aggiunge una forza pneumatica in supporto al normale sistema di serraggio tramite molle.

The DOUBLE EFFECT, always possible with the SINGLE zero point units (hermetic), allows to get clamping results much higher than the normal thanks to the non-return valve. When the double effect is operated the air adds a pneumatic clamping power which supports and increases the normal clamping through springs







Comparazione kN tra serraggio standard e sistema **DOPPIO EFFETTO** per Zero Point Art. 665S tipo 2.
kN comparison between standard clamping and DOUBLE EFFECT for Zero Point Art. 665S type 2

DISPOSIZIONE DEI TIRANTI CON ZERO POINT MULTIPLI
PULL-STUDS POSITIONING WITH MULTIPLE ZERO POINT

Il sistema zero-point multiplo (art.664-665) grazie alla pinza elastica integrale consente una translazione laterale che compensa errori di interassi ed anche variazioni dovute alla temperatura. Il punto di riferimento centrale rimane costante ed è corretto utilizzare tiranti di posizionamento fino ad un massimo di 4 alternati a tiranti di solo serraggio. (Vedi Fig.1)

The multiple zero-point system (art.664-665) allows, thanks to the solid integral elastic collet a lateral translation, that solves problems of centre distances and also variations caused by the temperature. The central reference point remains steady and it is correct to use positioning pull-studs, up to maximum 4 together with clamping pull-studs.
(See picture 1)

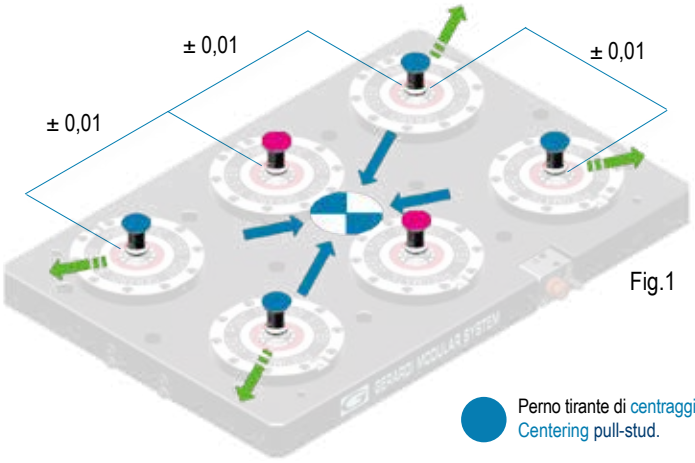


Fig.1

Perno tirante di centraggio. Centering pull-stud.
Perno tirante Pull-stud

DISPOSIZIONE DEI TIRANTI CON ZERO POINT SINGOLI
PULL-STUDS POSITIONING WITH SINGLE ZERO POINT

L'applicazione di più Zero Point Singoli Art.665S sulla stessa tavola non permette la traslazione laterale disponibile con gli zero point multipli. Necessita di due tiranti di posizionamento massimo alternati a tiranti di solo serraggio. (Vedi Fig.2)

The application of several single zero point Art.664S / 665S on the same machine table doesn't enable a lateral translation available with the multiple zero point.
Therefore it needs maximum 2 centering pull studs alternated to clamping pull studs. (See picture 2)

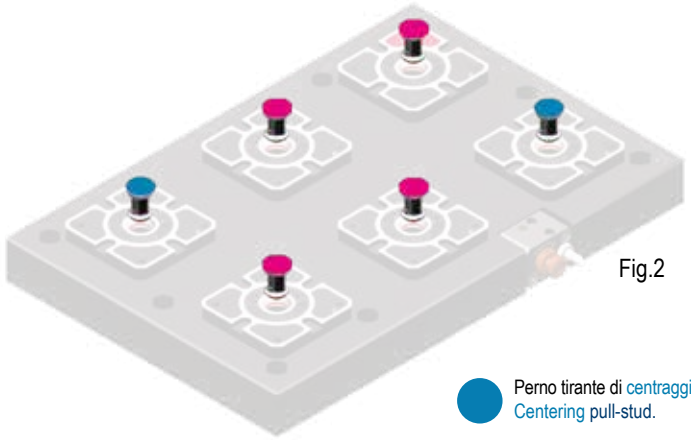


Fig.2

Perno tirante di centraggio. Centering pull-stud.
Perno tirante Pull-stud

ABBATTIMENTO TEMPI DI ALLESTIMENTO MACCHINA
PRODUCTION OPTIMIZATION

La tabella illustra il costo del piazzamento di una macchina.
Il sistema Zero Point vi permette di rimuovere in pochi secondi i lavori sulla macchina e preparare un nuovo lavoro/morsa quando il lavoro precendente è ultimato, risparmiando quasi il 95% sui tempi di allestimento.
Ipoteticamente dovendo impiegare 2 ore al giorno a € 40,00 all'ora per attrezzare ogni macchina, attrezzare 5 macchine a CNC vi costa all'incirca € 100.000 in profitti persi ogni anno. Il sistema Zero Point vi permette di salvare centinaia di ore di "tempi morti" e avere più profitti.

The table illustrates how much it costs on just 1 machine to set up jobs on the machine.
Zero Point allows you to set up jobs off the machine and position the new job/vise in few seconds on the machine when the last job finishes, saving around 95% set up time.
5 CNC machines being set 2 hours a day @ € 40,00 an hour is costing you at least € 100.000 in lost profits every year.
Zero Point will allow you to save hundreds of hours in down time and make thousands more in profits.

TEMPI DI ALLESTIMENTO MACCHINA - MACHINE SET-UP TIMES

Costo orario della macchina Machine cost per hour	Tempo giornaliero utilizzato per l'attrezzaggio Time per day machine spent being set up	Costo annuale dei "tempi morti"* Cost per year of down time*	Potenziale profitto extra con gli Zero Point Zero Point potential extra profit
€ 25,00	2 ORE 2 HOURS	- € 12.500 persi lost	- € 11.875 risparmio savings
€ 40,00	2 ORE 2 HOURS	- € 20.000 persi lost	- € 19.000 risparmio savings
€ 60,00	2 ORE 2 HOURS	- € 30.000 persi lost	- € 28.500 risparmio savings
€ 75,00	2 ORE 2 HOURS	- € 37.500 persi lost	- € 35.625 risparmio savings

* Basato su 5 giorni lavorativi, 50 settimane per anno (250 giorni lavorativi) - Based on a 5 days working week, 50 weeks per year (250 working days)

PNEUMATICO PER APPLICAZIONI MULTIPLE TIPO 1
PNEUMATIC FOR MULTIPLE APPLICATIONS TYPE 1

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	1,5
	Cod.	9.66.51000

Art. 665

Zero-Point pneumatico
montaggio incassato (ERMETICO)

Pneumatic Zero-Point
built-in mounting (ERMETIC)



EXTRA, chiavette o fori calibrati su richiesta
EXTRA keyways or calibrated holes on request





- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

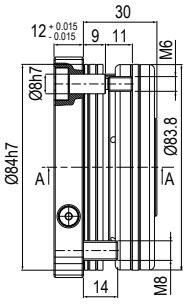
Forza di serraggio - Clamping power

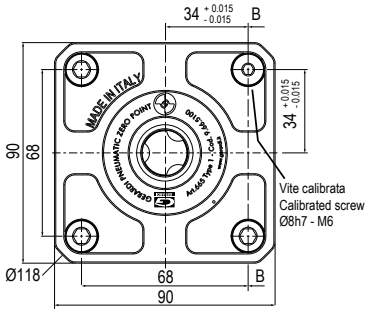
Pressione apertura Opening pressure (bar)	Forza di serraggio Clamping force (kN)	Doppio effetto Double effect (kN)
4	2,4	7,3
5	3,6	9,8
6	4,9	12,2

CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria / ✓ Sistema irreversibile / ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Pulizia ad aria / ✓ Doppio effetto ✓ Doppio centraggio per tirante per massima rigidità

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Pneumatic release / ✓ Irreversible system / ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Air cleaning / ✓ Double effect / ✓ Double pull-stud centering for Max rigidity





TIRANTI - PULL-STUDS

Art. 10A

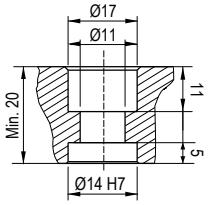
TIPO 1 / TYPE 1

Perno tirante di centraggio.
Filetto femmina

Centering pull-stud.
Female thread

(Vedi / See pag. 9.40)





Art. 10B

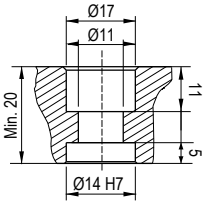
TIPO 1 / TYPE 1

Perno tirante.
Filetto femmina

Clamping pull-stud.
Female thread

(Vedi / See pag. 9.40)





Art. 11A

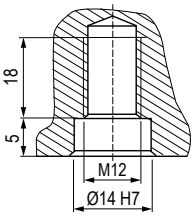
TIPO 1 / TYPE 1

Perno tirante di centraggio.
Filetto maschio

Centering pull-stud.
Male thread

(Vedi / See pag. 9.40)





Art. 11B

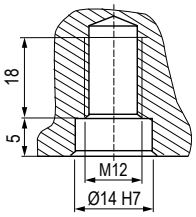
TIPO 1 / TYPE 1

Perno tirante.
Filetto maschio

Clamping pull-stud.
Male thread

(Vedi / See pag. 9.40)





ZERO POINT KIT
ZERO POINT KIT

Art. 665K

Parti di ricambio per Zero-Point singolo
Single Zero Point spare parts



	Kit Tipo1 Type 1 Kit
Cod.	9.66.5K100

PNEUMATICO FLANGIATO PER APPLICAZIONI MULTIPLE TIPO 1
PNEUMATIC FLANGE MOUNTING FOR MULTIPLE APPLICATIONS TYPE 1

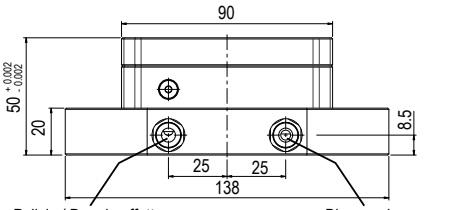
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	3,2
	Cod.	9.66.41000

Art. 664

Zero-Point pneumatico
FLANGIATO (ERMETICO)

Zero-Point FLANGE mounting
(ERMETIC)





Pulizia / Doppio effetto
Cleaning / Double effect

Bloccaggio
Sbloccaggio - Lock / Unlock

- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

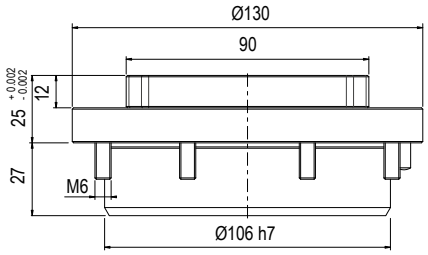
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	3,3
	Cod.	9.66.5X100

Art. 665X

Zero-Point pneumatico
incassato con FLANGIA
montaggio verticale per applicazioni su
portapezzi (ERMETICO)

Pneumatic Zero-Point
FLANGE mounting
vertical mounting for tombstone
applications (ERMETIC)





- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
		Alluminio - Alluminum
	kg	15,5
	Cod.	9.64.10000

Art. 64

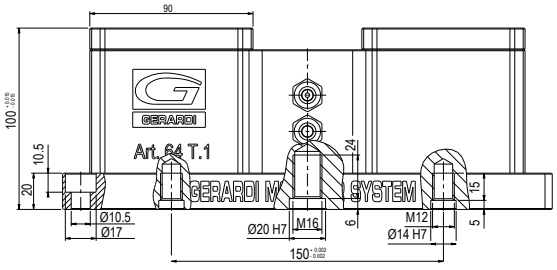
Rialzo doppio
con Zero Point

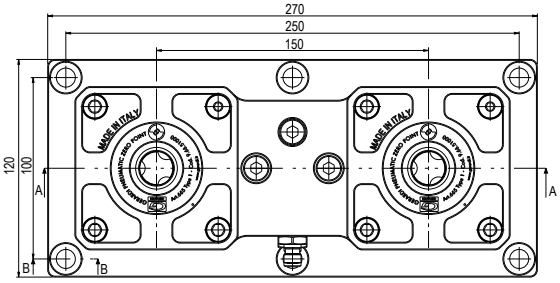
Double riser
with Zero Point



- Dotazione standard:
  - 2 tiranti Art.11A / 10A
  - 2 tappi in teflon con O-Ring Art.9
  - 1 perno di centraggio Art.640P
  (Indicare dimensione in fase d'ordine)
  - 2 spine di orientamento Art.79

- Standard equipment:
  - 2 Pull-stud Art.11A / 10A
  - 2 Teflon caps with O-Ring Art.9
  - 1 positioning pin Art.640P
  (Dimension to be advised at order)
  - 2 shoulders calibrated pins Art.79





9

PNEUMATICO SINGOLO TIPO 1
PNEUMATIC SINGLE TYPE 1

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	1,5
	Cod.	9.66.5S100

Art. 665S

Zero-Point pneumatico
montaggio incassato (ERMETICO)

Pneumatic Zero-Point
built-in mounting (ERMETIC)

Chiavette comprese nel prezzo
Keyways included in the price



- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9



Forza di serraggio - Clamping power

Pressione apertura Opening pressure (bar)	Forza di serraggio Clamping force (kN)	Doppio effetto Double effect (kN)
4	2,4	7,3
5	3,6	9,8
6	4,9	12,2

Un solo Zero Point per ogni morsa, attrezzatura o particolare da serrare
Only one Zero point for each vise, fixture or workpiece to be clamped

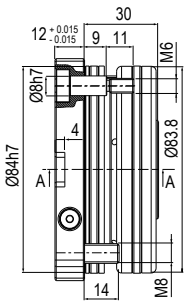
example

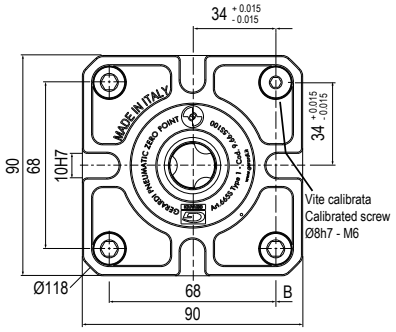


CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria / ✓ Sistema irreversibile / ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Pulizia ad aria / ✓ Doppio effetto ✓ Doppio centraggio per tirante per massima rigidità

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Pneumatic release / ✓ Irreversible system / ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Air cleaning / ✓ Double effect / ✓ Double pull-stud centering for Max rigidity





TIRANTI - PULL-STUDS

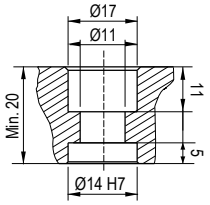
Art. 10A

TIPO 1 / TYPE 1

Perno tirante.
Filetto femmina

Clamping pull-stud.
Female thread





(Vedi / See pag. 9.40)

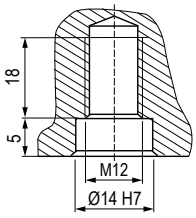
Art. 11A

TIPO 1 / TYPE 1

Perno tirante.
Filetto maschio

Clamping pull-stud.
Male thread





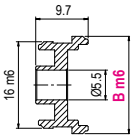
(Vedi / See pag. 9.40)

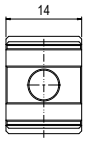
TASSELLI A GIOCO ZERO
NO-GAP KEY NUTS

Art. 297X

Tasselli a Gioco Zero per il posizionamento preciso di morse singole su zero point
NO-GAP key nuts for accurate single vise positioning on zero point







B	12 - 14 - 16 - 18 - 20
Cod.	297X1612 / 14 / 16 / 18 / 20

KIT VERSIONE S
KIT S VERSION

Art. 665SK

Parti di ricambio per Zero-Point singolo
Single Zero Point spare parts



	Kit Tipo1 Type 1 Kit
Cod.	9.66.5SK10

PNEUMATICO FLANGIATO PER APPLICAZIONI MULTIPLE TIPO 1
PNEUMATIC FLANGE MOUNTING FOR MULTIPLE APPLICATIONS TYPE 1

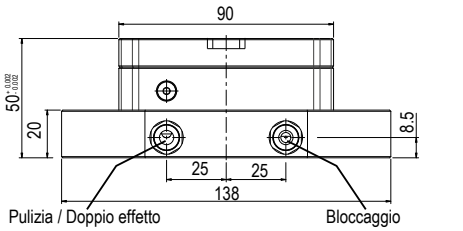
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	3,2
	Cod.	9.66.41000

Art. 664S

Zero-Point pneumatico
FLANGIATO (ERMETICO)

Zero-Point FLANGE mounting
(ERMETIC)





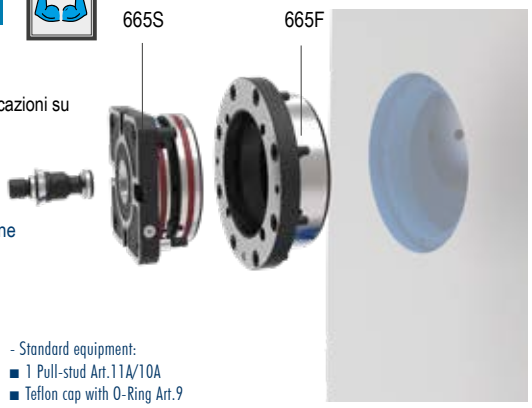
- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

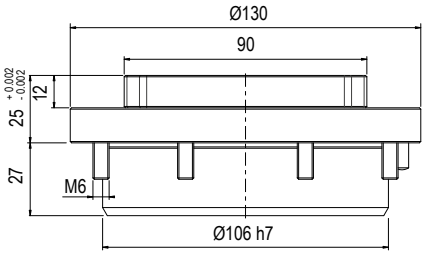
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	3,3
	Cod.	9.66.5SX10

Art. 665SX

Zero-Point pneumatico
incassato con FLANGIA
montaggio verticale per applicazioni su
portapezzi (ERMETICO)

Pneumatic Zero-Point
FLANGE mounting
vertical mounting for tombstone
applications (ERMETIC)





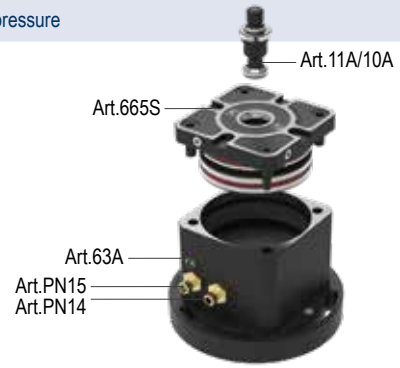
- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
		Acciaio - Steel
	kg	6,1
	Cod.	9.63.10000

Art. 63

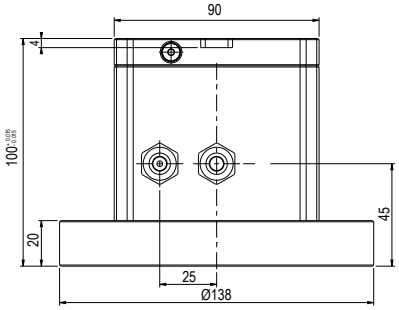
Rialzo singolo
con Zero Point

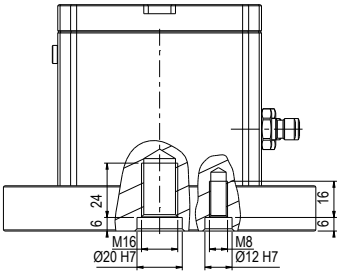
Single riser
with Zero Point

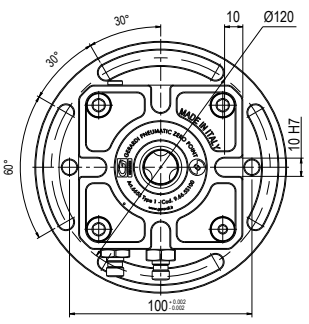


- Dotazione standard:
  - 1 tirante Art.11A / 10A
  - 1 tappo in teflon con O-Ring Art.9
  - 1 perno di centraggio Art.640P
    (Indicare dimensione in fase d'ordine)
  - 1 spina calibrata Art. 83

- Standard equipment:
  - 1 Pull-stud Art.11A / 10A
  - 1 Teflon cap with O-Ring Art.9
  - 1 positioning pin Art.640P
    (Dimension to be advised at order)
  - 1 shoulder calibrated screw Art.83







9

PNEUMATICO PER APPLICAZIONI MULTIPLE TIPO 2
PNEUMATIC FOR MULTIPLE APPLICATIONS TYPE 2

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 14 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 14
	kg	2,7
	Cod.	9.66.5200

Art. 665

Zero-Point pneumatico
montaggio incassato (CLASSICO)

Pneumatic Zero-Point
built-in mounting (CLASSIC)





EXTRA, chiavette o fori calibrati su richiesta
EXTRA keyways or calibrated holes on request



- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

*Per raggiungere pressioni di apertura 12/14 bar è consigliato l'utilizzo dell' Art.408
To achieve 12/14 bar opening pressure we suggested to use the Art.408

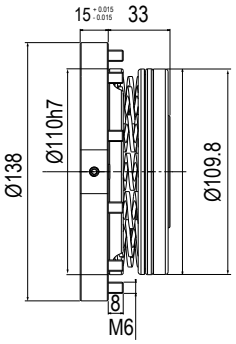
Forza di serraggio - Clamping power

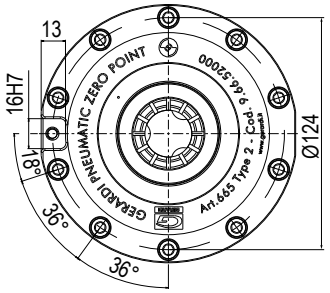
Pressione apertura Opening pressure (bar)	Forza di serraggio Clamping force (kN)
4	7,3
5	9,8
7	10,7
12*	12,2
14*	14,7

CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria / ✓ Sistema irreversibile / ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Pulizia ad aria / ✓ Doppio centraggio per tirante per massima rigidità

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Pneumatic release / ✓ Irreversible system / ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Air cleaning / ✓ Double pull-stud centering for Max rigidity





TIRANTI - PULL-STUDS

Art. 10A

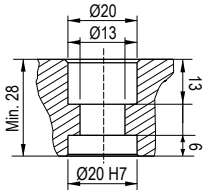
TIPO 2 / TYPE 2

Perno tirante di centraggio.
Filetto femmina

Centering pull-stud.
Female thread

(Vedi / See pag. 9.41)





Art. 10B

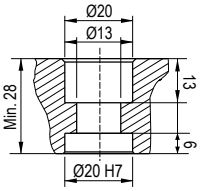
TIPO 2 / TYPE 2

Perno tirante.
Filetto femmina

Clamping pull-stud.
Female thread

(Vedi / See pag. 9.41)





Art. 11A

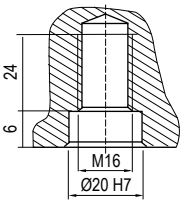
TIPO 2 / TYPE 2

Perno tirante di centraggio.
Filetto maschio

Centering pull-stud.
Male thread

(Vedi / See pag. 9.41)





Art. 11B

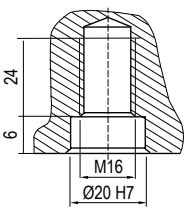
TIPO 2 / TYPE 2

Perno tirante.
Filetto maschio

Clamping pull-stud.
Male thread

(Vedi / See pag. 9.41)





ZERO POINT KIT
ZERO POINT KIT

Art. 665K

Parti di ricambio per Zero-Point
Zero Point spare parts



	Kit Tipo2 Type 2 Kit
Cod.	9.66.5K200

PNEUMATICO FLANGIATO PER APPLICAZIONI MULTIPLE TIPO 2
PNEUMATIC FLANGE MOUNTING FOR MULTIPLE APPLICATIONS TYPE 2

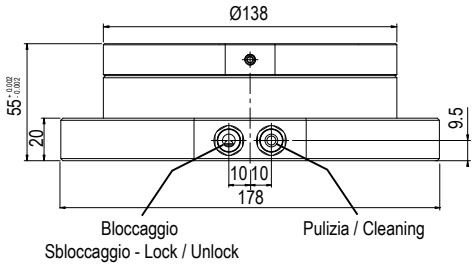
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 14 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 14
	kg	5,7
	Cod.	9.66.42000

Art. 664

Zero-Point pneumatico FLANGIATO (CLASSICO)

Zero-Point FLANGE mounting (CLASSIC)





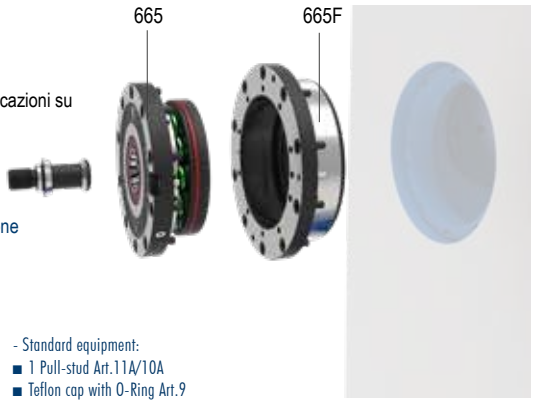
- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

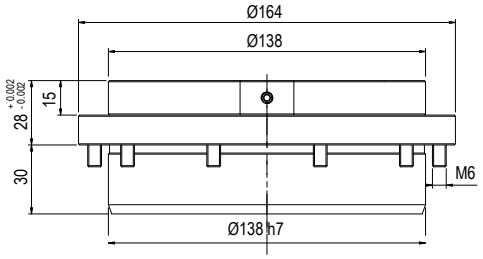
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 14 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
	kg	5,7
	Cod.	9.66.5X200

Art. 665X

Zero-Point pneumatico incassato con FLANGIA montaggio verticale per applicazioni su portapezzi CLASSICO)

Pneumatic Zero-Point FLANGE mounting vertical mounting for tombstone applications (CLASSIC)





- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

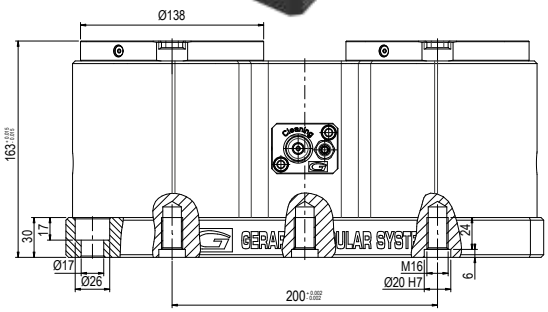
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 14 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
		Alluminio - Alluminum
	kg	24,3
	Cod.	9.64.20000

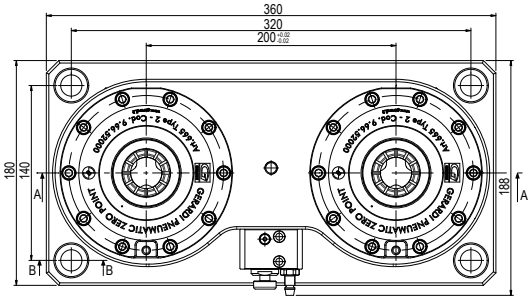
Art. 64

Rialzo doppio con Zero Point

Double riser with Zero Point







- Dotazione standard:
  - 2 tiranti Art.11A / 10A
  - 2 tappi in teflon con O-Ring Art.9
  - 1 perno di centraggio Art.640P (Indicare dimensione in fase d'ordine)
  - 2 spine di orientamento Art.79
- Standard equipment:
  - 2 Pull-stud Art.11A / 10A
  - 2 Teflon caps with O-Ring Art.9
  - 1 positioning pin Art.640P (Dimension to be advised at order)
  - 2 shoulders calibrated pins Art.79

PNEUMATICO SINGOLO TIPO 2
PNEUMATIC SINGLE TYPE 2

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 25 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	2,5
	Cod.	9.66.5S200

Art. 665S

Zero-Point pneumatico
montaggio incassato (ERMETICO)

Pneumatic Zero-Point
built-in mounting (ERMETIC)

Chiavette comprese nel prezzo
Keyways included in the price



- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9



Forza di serraggio - Clamping power		
Pressione apertura Opening pressure (bar)	Forza di serraggio Clamping force (kN)	Doppio effetto Double effect (kN)
4	4,9	12,2
5	7,3	19,6
6	9,3	25,5

Un solo Zero Point per ogni morsa, attrezzatura o particolare da serrare
Only one Zero point for each vise, fixture or workpiece to be clamped

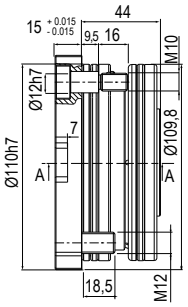
example

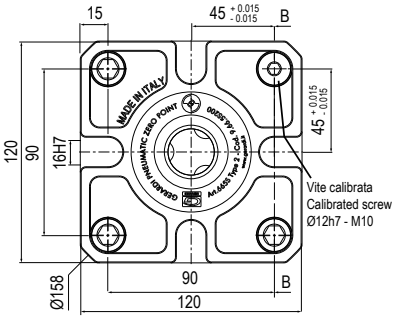


CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria / ✓ Sistema irreversibile / ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Pulizia ad aria / ✓ Doppio effetto ✓ Doppio centraggio per tirante per massima rigidità

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Pneumatic release / ✓ Irreversible system / ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Air cleaning / ✓ Double effect / ✓ Double pull-stud centering for Max rigidity





TIRANTI - PULL-STUDS

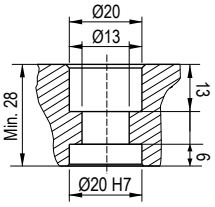
Art. 10S

TIPO 2 / TYPE 2
Perno tirante.
Filetto femmina

Clamping pull-stud.
Female thread

(Vedi / See pag. 9.41)





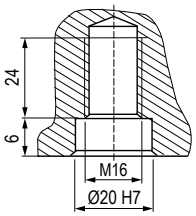
Art. 11S

TIPO 2 / TYPE 2
Perno tirante.
Filetto maschio

Clamping pull-stud.
Male thread

(Vedi / See pag. 9.41)



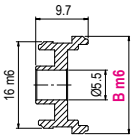


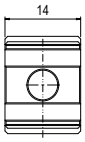
TASSELLI A GIOCO ZERO
NO-GAP KEY NUTS

Art. 297X

Tasselli a Gioco Zero per il posizionamento preciso di morse singole su zero point
NO-GAP key nuts for accurate single vise positioning on zero point







B	12 - 14 - 16 - 18 - 20
Cod.	297X1612 / 14 / 16 / 18 / 20

KIT VERSIONE S
KIT S VERSION

Art. 665SK

Parti di ricambio per Zero-Point singolo
Single Zero Point spare parts



Kit Tipo 2 Type 2 Kit	
Cod.	9.66.5SK20

PNEUMATICO FLANGIATO PER APPLICAZIONI MULTIPLE TIPO 2
PNEUMATIC FLANGE MOUNTING FOR MULTIPLE APPLICATIONS TYPE 2

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 25 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	6,5
	Cod.	9.66.4S200

Art. 664S

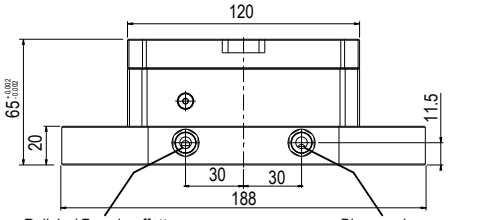
Zero-Point pneumatico
FLANGIATO (ERMETICO)

Zero-Point FLANGE mounting
(ERMETIC)



- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

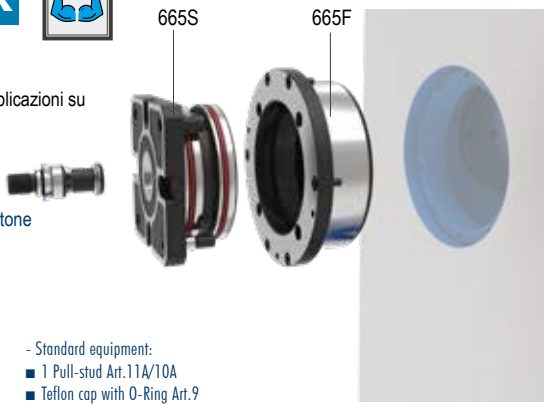


Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 25 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
	kg	5,8
	Cod.	9.66.5SX20

Art. 665SX

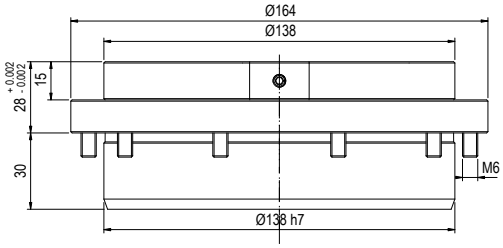
Zero-Point pneumatico
incassato con FLANGIA
montaggio verticale per applicazioni su
portapezzi (ERMETICO)

Pneumatic Zero-Point
FLANGE mounting
vertical mounting for tombstone
applications (ERMETIC)



- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9



Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 25 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 6
		Acciaio - Steel
	kg	8
	Cod.	9.63.20000

Art. 63

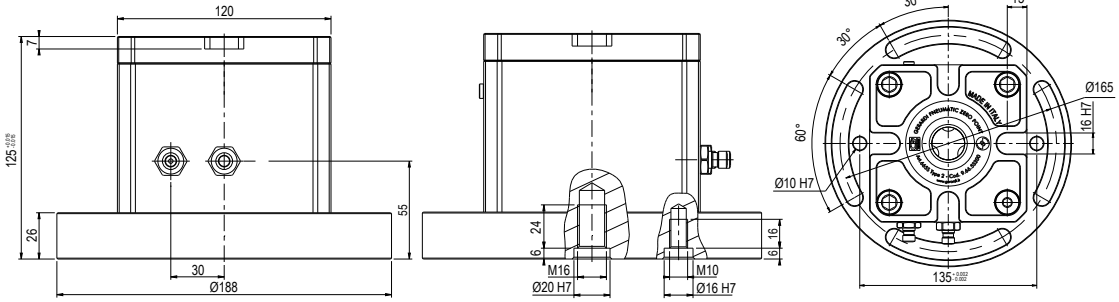
Rialzo singolo
con Zero Point

Single riser
with Zero Point



- Dotazione standard:
  - 1 tirante Art.11A / 10A
  - 1 tappo in teflon con O-Ring Art.9
  - 1 perno di centraggio Art.640P
    (Indicare dimensione in fase d'ordine)
  - 1 spina calibrata Art. 83

- Standard equipment:
  - 1 Pull-stud Art.11A / 10A
  - 1 Teflon cap with O-Ring Art.9
  - 1 positioning pin Art.640P
    (Dimension to be advised at order)
  - 1 shoulder calibrated screw Art.83



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PNEUMATICO PER APPLICAZIONI MULTIPLE TIPO 3
PNEUMATIC FOR MULTIPLE APPLICATIONS TYPE 3

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
	kg	5,8
	Cod.	9.66.53000

Art. 665

Zero-Point pneumatico
montaggio incassato (CLASSICO)

Pneumatic Zero-Point
built-in mounting (CLASSIC)



EXTRA, chiavette o fori calibrati su richiesta
EXTRA keyways or calibrated holes on request





- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

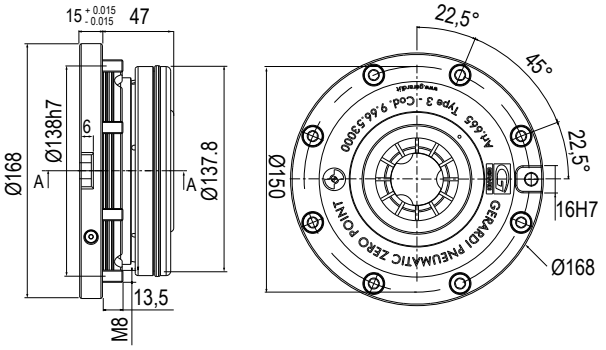
Forza di serraggio - Clamping power

Pressione apertura Opening pressure (bar)	Forza di serraggio Clamping force (kN)	Doppio effetto Double effect (kN)
4	7,3	24,5
5	9,8	30,4
6	13,2	36,7
7	14,7	41,6

CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria / ✓ Sistema irreversibile / ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Pulizia ad aria / ✓ Doppio effetto ✓ Doppio centraggio per tirante per massima rigidità

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Pneumatic release / ✓ Irreversible system / ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Air cleaning / ✓ Double effect / ✓ Double pull-stud centering for Max rigidity



TIRANTI - PULL-STUDS

Art. 10A

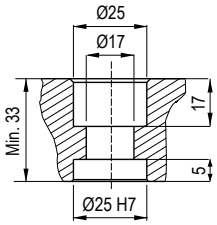
TIPO 3 / TYPE 3

Perno tirante di centraggio.
Filetto femmina

Centering pull-stud.
Female thread

(Vedi / See pag. 9.42)





Art. 10B

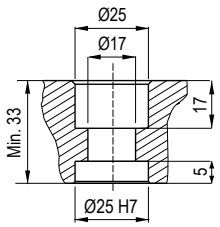
TIPO 3 / TYPE 3

Perno tirante.
Filetto femmina

Clamping pull-stud.
Female thread

(Vedi / See pag. 9.42)





Art. 11A

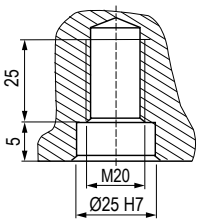
TIPO 3 / TYPE 3

Perno tirante di centraggio.
Filetto maschio

Centering pull-stud.
Male thread

(Vedi / See pag. 9.42)





Art. 11B

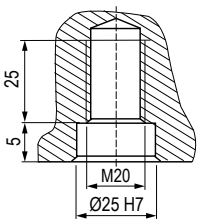
TIPO 3 / TYPE 3

Perno tirante.
Filetto maschio

Clamping pull-stud.
Male thread

(Vedi / See pag. 9.42)





ZERO POINT KIT
ZERO POINT KIT

Art. 665K

Parti di ricambio per Zero-Point
Zero Point spare parts



Kit Tipo 3 Type 3 Kit	
Cod.	9.66.5K300

PNEUMATICO FLANGIATO PER APPLICAZIONI MULTIPLE TIPO 3
PNEUMATIC FLANGE MOUNTING FOR MULTIPLE APPLICATIONS TYPE 3

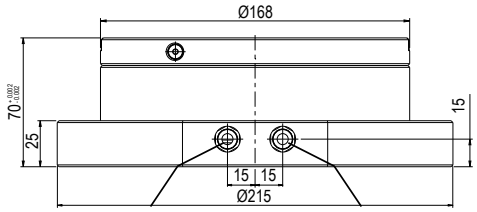
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
	kg	11,2
	Cod.	9.66.43000

Art. 664

Zero-Point pneumatico
FLANGIATO (CLASSICO)

Zero-Point FLANGE mounting
(CLASSIC)





Pulizia / Doppio effetto
Cleaning / Double effect

Bloccaggio
Sbloccaggio - Lock / Unlock

- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

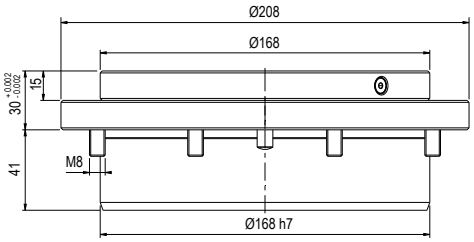
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
	kg	-
	Cod.	9.66.5X300

Art. 665X

Zero-Point pneumatico
incassato con FLANGIA
montaggio verticale per applicazioni su
portapezzi CLASSICO)

Pneumatic Zero-Point
FLANGE mounting
vertical mounting for
tombstone applications (CLASSIC)





- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
		Acciaio - Steel
	kg	24
	Cod.	9.64.30000

Art. 64

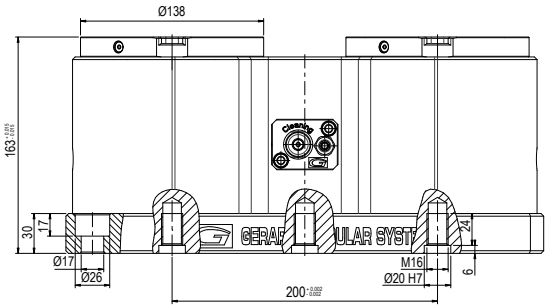
Rialzo doppio
con Zero Point

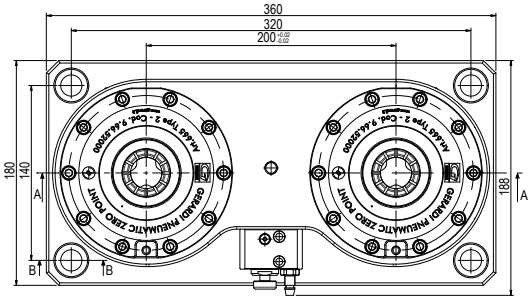
Double riser
with Zero Point



- Dotazione standard:
  - 2 tiranti Art.11A / 10A
  - 2 tappi in teflon con O-Ring Art.9
  - 1 perno di centraggio Art.640P
    (Indicare dimensione in fase d'ordine)
  - 2 spine di orientamento Art.79

- Standard equipment:
  - 2 Pull-stud Art.11A / 10A
  - 2 Teflon caps with O-Ring Art.9
  - 1 positioning pin Art.640P
    (Dimension to be advised at order)
  - 2 shoulders calibrated pins Art.79





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PNEUMATICO SINGOLO TIPO 3
PNEUMATIC SINGLE TYPE 3

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
	kg	5,8
	Cod.	9.66.5S300

Art. 665S

Zero-Point pneumatico
montaggio incassato (CLASSICO)

Pneumatic Zero-Point
built-in mounting (CLASSIC)





Chiavette comprese nel prezzo
Keyways included in the price



- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9

Forza di serraggio - Clamping power

Pressione apertura Opening pressure (bar)	Forza di serraggio Clamping force (kN)	Doppio effetto Double effect (kN)
4	7,3	24,5
5	9,8	30,4
6	13,2	36,7
7	14,7	41,6

Un solo Zero Point per ogni morsa, attrezzatura o particolare da serrare
Only one Zero point for each vise, fixture or workpiece to be clamped

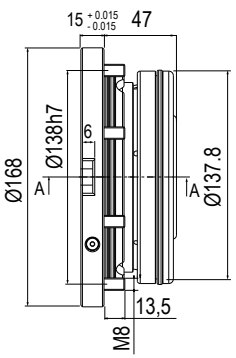
example

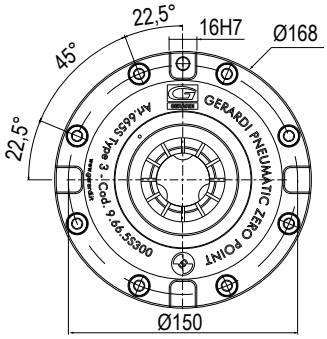


CARATTERISTICHE TECNICHE - TECHNICAL FEATURES

✓ Forza di serraggio 2,4 ÷ 41 kN / ✓ Forza di arresto oltre a 60 kN / ✓ Sbloccaggio ad aria / ✓ Sistema irreversibile / ✓ Compensazione assiale e radiale grazie alla pinza elastica integrale / ✓ Pulizia ad aria / ✓ Doppio effetto ✓ Doppio centraggio per tirante per massima rigidità

✓ Clamping force 2,4 ÷ 41 kN / ✓ Holding force more than 60 kN / ✓ Pneumatic release / ✓ Irreversible system / ✓ Axial and radial compensation thanks to elastic integral collet / ✓ Air cleaning / ✓ Double effect / ✓ Double pull-stud centering for Max rigidity





TIRANTI - PULL-STUDS

Art. 10A

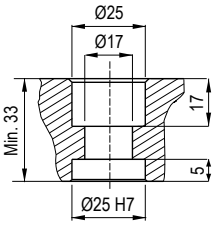
TIPO 3 / TYPE 3

Perno tirante di centraggio.
Filetto femmina

Clamping pull-stud.
Female thread

(Vedi / See pag. 9.42)





Art. 11A

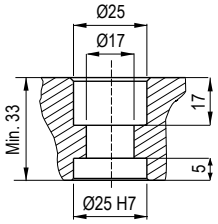
TIPO 3 / TYPE 3

Perno tirante di centraggio.
Filetto maschio

Clamping pull-stud.
Male thread

(Vedi / See pag. 9.42)



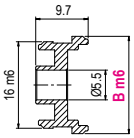


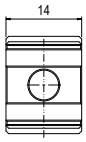
TASSELLI A GIOCO ZERO
NO-GAP KEY NUTS

Art. 297X

Tasselli a Gioco Zero per il posizionamento preciso di morse singole su zero point
NO-GAP key nuts for accurate single vise positioning on zero point







B	12 - 14 - 16 - 18 - 20
Cod.	297X1612 / 14 / 16 / 18 / 20

KIT VERSIONE S
KIT S VERSION

Art. 665SK

Parti di ricambio per Zero-Point singolo
Single Zero Point spare parts



Kit Tipo3 Type 3 Kit	
Cod.	9.66.5SK30

PNEUMATICO FLANGIATO PER APPLICAZIONI MULTIPLE TIPO 3
PNEUMATIC FLANGE MOUNTING FOR MULTIPLE APPLICATIONS TYPE 3

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
	kg	6,5
	Cod.	9.66.4S300

Art. 664S

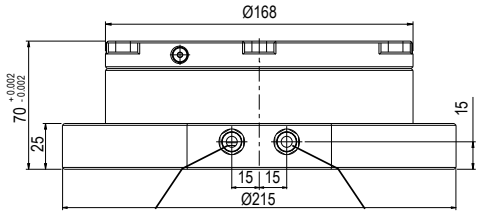
Zero-Point pneumatico
FLANGIATO (CLASSICO)

Zero-Point FLANGE mounting
(CLASSIC)



- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9



Pulizia / Doppio effetto
Cleaning / Double effect

Bloccaggio
Sbloccaggio - Lock / Unlock

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
	kg	-
	Cod.	9.66.5SX30

Art. 665SX

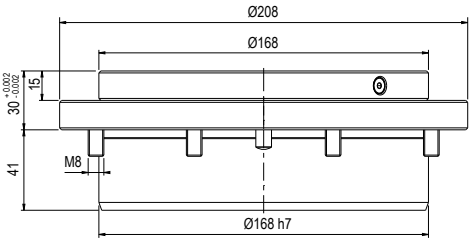
Zero-Point pneumatico
incassato con FLANGIA
montaggio verticale per applicazioni su
portapezzi CLASSICO)

Pneumatic Zero-Point
FLANGE mounting
vertical mounting for
tombstone
applications (CLASSIC)



- Dotazione standard:
  - 1 tirante Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9

- Standard equipment:
  - 1 Pull-stud Art.11A/10A
  - Teflon cap with O-Ring Art.9



Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
Pressione apertura / Opening pressure	BAR	4 ÷ 7
		Acciaio - Steel
	kg	24
	Cod.	9.63.30000

Art. 63

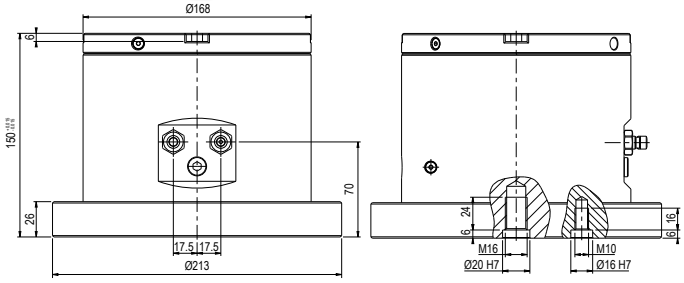
Rialzo singolo
con Zero Point

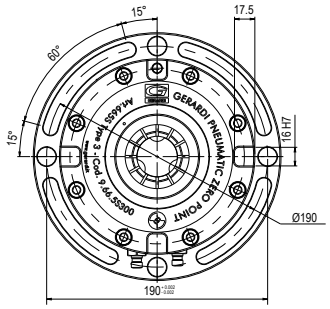
Single riser
with Zero Point



- Dotazione standard:
  - 1 tirante Art.11A / 10A
  - 1 tappo in teflon con O-Ring Art.9
  - 1 perno di centraggio Art.640P
    (Indicare dimensione in fase d'ordine)
  - 1 spina calibrata Art. 83

- Standard equipment:
  - 1 Pull-stud Art.11A / 10A
  - 1 Teflon cap with O-Ring Art.9
  - 1 positioning pin Art.640P
    (Dimension to be advised at order)
  - 1 shoulder calibrated screw Art.83





9

PIASTRE BASE PER ZERO POINT FLANGIATI*
HEAD PLATES FOR MOUNTED ZERO POINT*

Opzione apertura indipendente Zero Point
Zero point independet control option
SOVRAPREZZO - EXTRA PRICE:

PIASTRE QUADRATE , MONTAGGIO CON FLANGIA - SQUARE PLATES , FLANGE MOUNTING

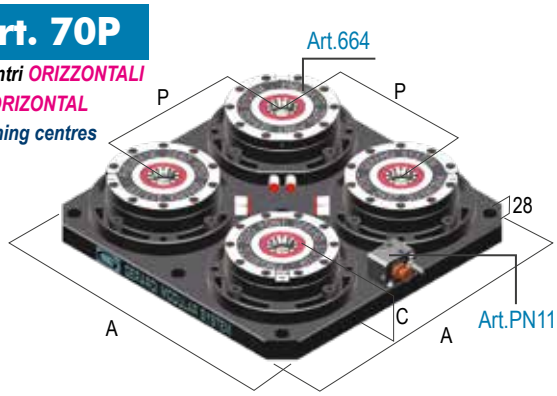
Tipo (grandezza) Zero-Point
Zero-Point type (size)

kN

1
up to 12 kN

Art. 70P

Per centri ORIZZONTALI
For HORIZONTAL machining centres



	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		500		-		-	
B	400		500		-		-	
C	83		83		-		-	
P	200		200 -250 - 300		-		-	
kg	47,7	26,4	62,8	30,8	-	-	-	-
Cod.	9.70. P14040S4	9.70. P14040A4	9.70. P15050S4	9.70. P15050A4	-	-	-	-

PIASTRE RETTANGOLARI , MONTAGGIO CON FLANGIA - RECTANGULAR PLATES , FLANGE MOUNTING

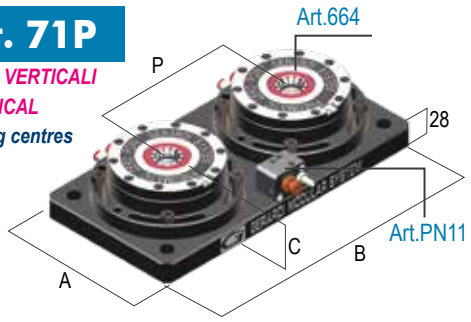
Tipo (grandezza) Zero-Point
Zero-Point type (size)

kN

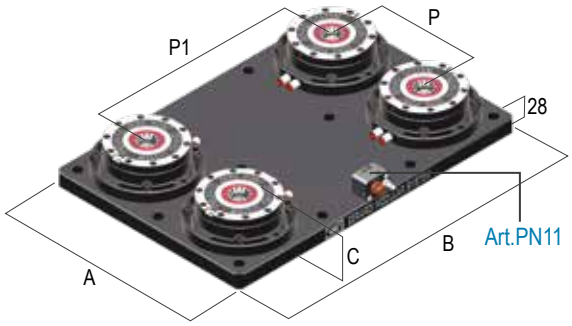
1
up to 12 kN

Art. 71P

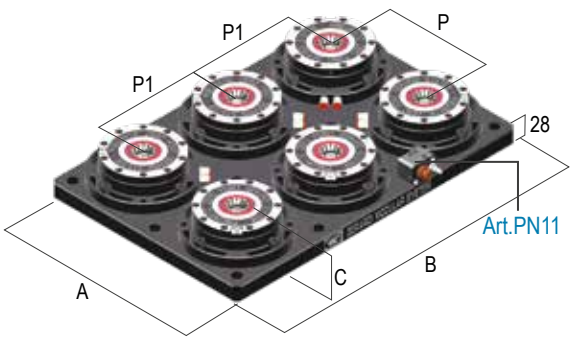
Per centri VERTICALI
For VERTICAL machining centres



	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	200		200		200	
B	400		500		600	
C	83		83		83	
P	200		250		300	
kg	23,4	12,7	27,4	14,2	31.4	15,6
Cod.	9.71.P12040S2	9.71.P12040A2	9.71.P12050S2	9.71.P12050A2	9.71.P12060S2	9.71.P12060A2



	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		400		400		400	
B	500		600		700		800	
C	83		83		83		83	
P	200		200		200		200	
P1	300		400		500		600	
kg	55,1	27,2	63,8	30,2	72,6	33,2	81,3	36,2
Cod.	9.71. P14050S4	9.71. P14050A4	9.71. P14060S4	9.71. P14060A4	9.71. P14070S4	9.71. P14070A4	9.71. P14080S4	9.71. P14080A4



	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		400		400		400	
B	500		600		700		800	
C	83		83		83		83	
P	200		200		200		200	
P1	150		200		250		300	
kg	60,5	32,6	69,2	35,6	78	38,6	86,7	41,6
Cod.	9.71. P14050S6	9.71. P14050A6	9.71. P14060S6	9.71. P14060A6	9.71. P14070S6	9.71. P14070A6	9.71. P14080S6	9.71. P14080A6

* Personalizzabili con 4/8 fori per ancoraggio e 2 riferimenti per posizionamento (chiavette o fori calibrati) vedi pag. 8.4
Tailor made with 4/8 holes for clamping and 2 reference points for positioning (key-ways or ground screws) see pag. 8.4

Opzione apertura indipendente Zero Point
Zero point independet control option
SOVRAPREZZO - EXTRA PRICE:

PIASTRE QUADRATE , MONTAGGIO CON FLANGIA - SQUARE PLATES , FLANGE MOUNTING

2 up to 14 kN								3 up to 41 kN							
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		500		630		800		-		500		630		800	
400		500		630		800		-		500		630		800	
83		83		83		83		-		98		98		98	
200		200 -250 - 300		200 -250 - 300		200 -250 - 300		-		250		250-300-350-400		200-250-300-350-400-450-500-550	
59	34	78	35	110	46	163	65	-	-	98	64	130	75	176	93
9.70. P4040S4	9.70. P4040A4	9.70. P5050S4	9.70. P5050A4	9.70. P6363S4	9.70. P6363A4	9.70. P8080S4	9.70. P8080A4	-	-	9.70. P35050S4	9.70. P35050A4	9.70. P36363S4	9.70. P36363A4	9.70. P38080S4	9.70. P38080A4

PIASTRE RETTANGOLARI , MONTAGGIO CON FLANGIA - RECTANGULAR PLATES , FLANGE MOUNTING

2 up to 14 kN						3 up to 41 kN					
Acciaio	Aluminum	Acciaio	Aluminum	Acciaio	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
200		200		200		250		250		250	
400		500		600		500		600		700	
83		83		83		98		98		98	
200		200 -250 - 300		400		250		300		400	
29	13	33	14	38	17	49,2	32,6	54,5	34,4	59,8	36,2
9.71.P2040S2	9.71.P2040A2	9.71.P2050S2	9.71.P2050A2	9.71.P2060S2	9.71.P2060A2	9.71.P32550S2	9.71.P32550A2	9.71.P32560S2	9.71.P32560A2	9.71.P32570S2	9.71.P32570A2

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		400		400		400		500		500		500		500	
500		600		700		800		600		700		800		900	
83		83		83		83		98		98		98		98	
200		200		200		200		250		250		250		250	
300		400		500		600		300		400		500		600	
67	31	76	34	85	37	94	92	110,1	67,9	121	71,6	132	75,3	142,9	79
9.71. P4050S4	9.71. P4050A4	9.71. P4060S4	9.71. P4060A4	9.71. P4070S4	9.71. P4070A4	9.71. P4080S4	9.71. P4080A4	9.71. P35060S4	9.71. P35060A4	9.71. P35070S4	9.71. P35070A4	9.71. P35070S4	9.71. P35080A4	9.71. P35090S4	9.71. P35090A4

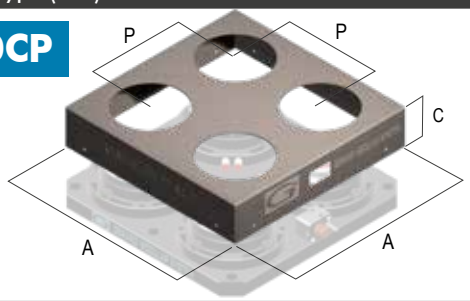
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		400		400		400		500		500		500		-	
500		600		700		800		800		900		1000		-	
83		83		83		83		98		98		98		-	
200		200		200		200		250		250		250		-	
200		200		250		300		250		300		350			
79	38	88	41	97	83	106	47	154	97,3	164,9	101	153,8	104,8	-	-
9.71. P4050S6	9.71. P4050A4	9.71. P4050A6	9.71. P4060A6	9.71. P4070S6	9.71. P4070A4	9.71. P4080S6	9.71. P4080A6	9.71. P35080S6	9.71. P35080A6	9.71. P35090S6	9.71. P35090A6	9.71. P35010S6	9.71. P35010A6	-	-

Alluminio - Anticorodal - ossidazione dura
Alloy 6082 - Anticorodal - Hard anodizing

CARTER IN ACCIAIO INOX PER PIASTRE BASE ZERO POINT
STAINLESS STEERL COVER FOR ZERO POINT HEAD PLATES

CARTER PER PIASTRE BASE QUADRATE - SQUARE HEAD PLATES COVER

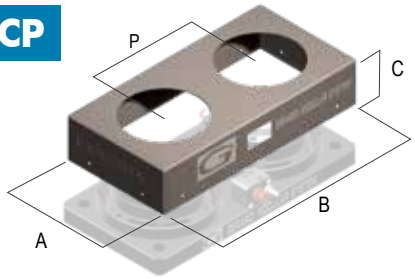
Art. 70CP



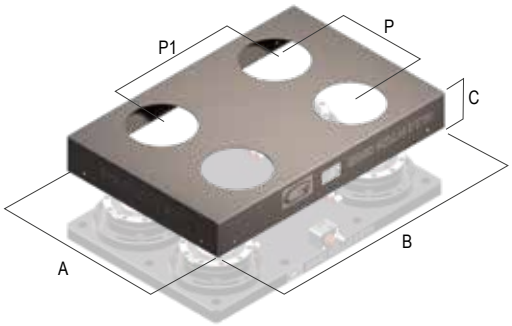
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN			
		Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
A		400	500	-	-
B		400	500	-	-
C		78	78	-	-
P		200	200-250-300	-	-
kg		-	-	-	-
Cod.		9.70.CP140404	9.70.CP150504	-	-

CARTER PER PIASTRE BASE RETTANGOLARI - RECTANGULAR HEAD PLATES COVER

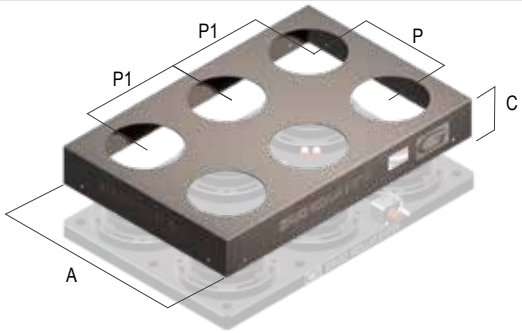
Art. 71CP



Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN		
		Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
A		200	200	200
B		400	500	600
C		78	78	78
P		200	250	300
kg		-	-	-
Cod.		9.71.CP120402	9.71.CP120502	-



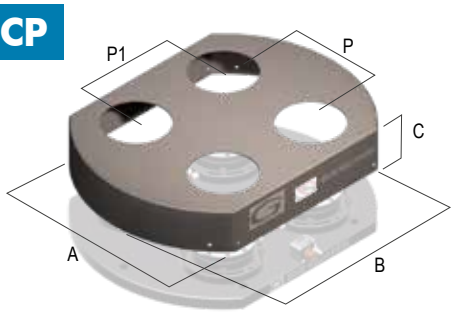
	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
A	400	400	400	400
B	500	600	700	800
C	78	78	78	78
P	200	200	200	200
P1	300	400	500	600
kg	-	-	-	-
Cod.	9.71.CP140504	9.71.CP140604	9.71.CP140704	9.71.CP140804



	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
A	400	400	400	400
B	500	600	700	800
C	78	78	78	78
P	200	200	200	200
P1	150	200	250	300
kg	-	-	-	-
Cod.	9.71.CP140506	9.71.CP140606	9.71.CP140706	9.71.CP140806

CARTER PER PIASTRE BASE TONDE PER ZERO POINT TIPO 2 - ROUNDED HEAD PLATES COVER FOR TYPE 2 ZERO POINT

Art. 72CP



	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
ØA	280	500	420	500
B	-	380	-	400
C	78	78	78	78
P	-	200	200	200
P1	-	200	200	200
kg	-	-	-	-
Cod.	9.72.CP28281	9.72.CP50384	9.72.CP42424	9.72.CP50404

CARTER PER PIASTRE BASE QUADRATE - SQUARE HEAD PLATES COVER

2 up to 14 kN				3 up to 41 kN			
Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
400	500	630	800	-	500	630	800
400	500	630	800	-	500	630	800
79	79	79	79	-	98	98	98
200	250 -250 - 300	250 -250 - 300	250 -250 - 300	-	200	250-300-350-400	200 to 550
2,7	4,1	6,4	9,8	-	-	-	-
9.70.CP40404	9.70.CP50504	9.70.CP63634	9.70.CP80804	-	9.70.CP350504	9.70.CP363634	9.70.CP380804

CARTER PER PIASTRE BASE RETTANGOLARI - RECTANGULAR HEAD PLATES COVER

2 up to 14 kN			3 up to 41 kN		
Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
200	200	200	250	250	250
400	500	600	500	600	700
79	79	79	98	98	98
200	250 -250 - 300	400	250	250	250
1,7	2,1	2,5	250	300	400
9.71.CP20402	9.71.CP20502	9.71.CP20602	9.70.CP325502	9.70.CP325602	9.70.CP325702

Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
400	400	400	400	500	500	500	500
500	600	700	800	600	700	800	900
79	79	79	79	98	98	98	98
200	200	200	200	250	250	250	250
300	400	500	600	300	400	500	600
3,3	4	4,6	5,3	-	-	-	-
9.71.CP40504	9.71.CP40604	9.71.CP40704	9.71.CP40804	9.71.CP350604	9.71.CP350704	9.71.CP350804	9.71.P350904

Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
400	400	400	400	500	500	500	-
500	600	700	800	800	900	1000	-
79	79	79	79	98	98	98	-
200	200	200	200	250	250	250	-
200	200	250	300	250	300	350	
3	3,6	4,3	4,9	-	-	-	-
9.71.CP40506	9.71.CP40606	9.71.CP40706	9.71.CP40806	9.71.CP350806	9.71.CP350906	9.71.CP350106	-

CARTER PER PIASTRE BASE TONDE PER ZERO POINT TIPO 2 - ROUNDED HEAD PLATES COVER FOR TYPE 2 ZERO POINT

Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel	Acciaio - Steel
630	700	790	1000	900
500	500	560	560	630
78	78	78	78	78
200 - 250 - 300	200 - 300 - 400	200 - 250	200 - 300 - 350	200 - 250
200 - 250 - 300	200 - 300	200 - 250 - 300	200 - 300 - 400	200 - 300 - 400
-	-	-	-	-
9.72.CP63504	9.72.CP70506	9.72.CP79568	9.72.CP10568	9.72.CP90636

PIASTRE BASE PER ZERO POINT INCASSATI*
ZERO POINT BUILT IN HEAD PLATES*

Opzione apertura indipendente Zero Point
Zero point independet control option
SOVRAPREZZO - EXTRA PRICE:

PIASTRA QUADRATA , MONTAGGIO INCASSATO - SQUARE PLATES , BUILT-IN MOUNTING

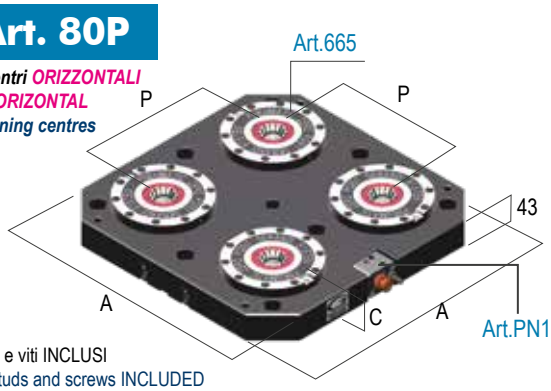
Tipo (grandezza) Zero-Point
Zero-Point type (size)

kN

1
up to 12 kN

Art. 80P

Per centri ORIZZONTALI
For HORIZONTAL
machining centres



Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		500		630		800	
B	-		-		-		-	
C	78		78		78		78	
P	200		200 -250 - 300		200-250-300-350-400		200-250-300-350-400 450-500-550-600	
kg	-	-	-	-	-	-	-	-
Cod.	9.80. P14040S4	9.80. P14040A4	9.80. P15050S4	9.80. P15050A4	9.80. P16363S4	9.80. P16363A4	9.80. P18080S4	9.80. P18080A4

PIASTRE RETTANGOLARI , MONTAGGIO INCASSATO - RECTANGULAR PLATES , BUILT-IN MOUNTING

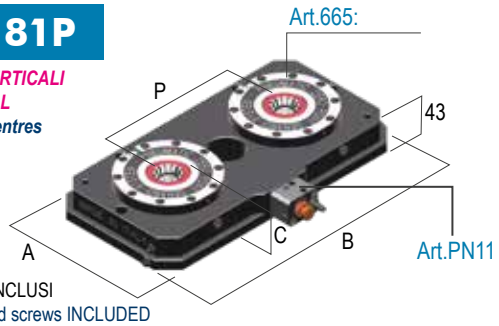
Tipo (grandezza) Zero-Point
Zero-Point type (size)

kN

1
up to 12 kN

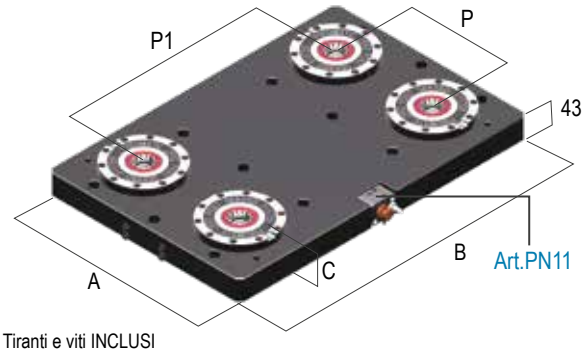
Art. 81P

Per centri VERTICALI
For VERTICAL
machining centres



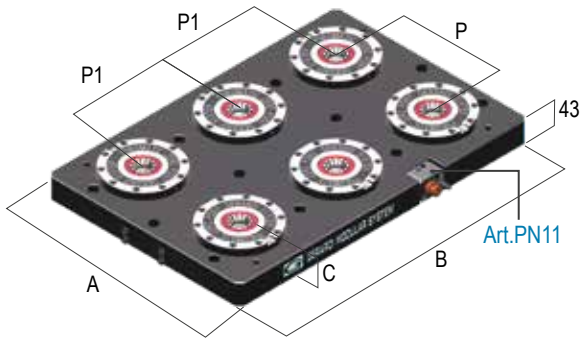
Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	200		200		200	
B	400		500		600	
C	78		78		78	
P	200		250		300	
kg	-	-	-	-	-	-
Cod.	9.81.P12040S2	9.81.P12040A2	9.81.P12050S2	9.81.P12050A2	9.81.P12060S2	9.81.P12060A2



Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		400		400		400	
B	500		600		700		800	
C	78		78		78		78	
P	200		200		200		200	
P1	300		400		500		600	
kg	-	-	-	-	-	-	-	-
Cod.	9.81. P14050S4	9.81. P14050A4	9.81. P14060S4	9.81. P14060A4	9.81. P14070S4	9.81. P14070A4	9.81. P14080S4	9.81. P14080A4



Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		400		400		400	
B	500		600		700		800	
C	78		78		78		78	
P	200		200		200		200	
P1	150		200		250		300	
kg	-	-	-	-	-	-	-	-
Cod.	9.81. P14050S6	9.81. P14050A4	9.81. P14060A6	9.81. P14060A6	9.81. P14070S6	9.81. P14070A4	9.81. P14080S6	9.81. P14080A6

* Personalizzabili con 4/8 fori per ancoraggio e 2 riferimenti per posizionamento (chiavette o fori calibrati) vedi pag. 8.4
Tailor made with 4/8 holes for clamping and 2 reference points for positioning (key-ways or ground screws) see pag. 8.4

Opzione apertura indipendente Zero Point
Zero point independet control option
SOVRAPREZZO - EXTRA PRICE:

PIASTRA QUADRATA , MONTAGGIO INCASSATO - SQUARE PLATES , BUILT-IN MOUNTING

2 up to 14 kN								3 up to 41 kN							
Steel	Alluminio	Steel	Alluminio	Steel	Alluminio	Steel	Alluminio	Steel	Alluminio	Steel	Alluminio	Steel	Alluminio	Steel	Alluminio
400		500		630		800		-		500		630		800	
400		500		630		800		-		-		-		-	
58		58		58		58		-		98		98		98	
200		250		250 -250		250 -250 - 300		-		250		250-300-350-400		200-250-300-350-400-450-500-550	
60	29	91	44	140	58	220	87	-	-						
9.80. P4040S4	9.80. P4040A4	9.80. P5050S4	9.80. P5050A4	9.80. P6363S4	9.80. P6363A4	9.80. P8080S4	9.80. P8080A4	-	-	9.80. P35050S4	9.80. P35050A4	9.80. P36363S4	9.80. P36363A4	9.80. P38080S4	9.80. P38080A4

PIASTRE RETTANGOLARI , MONTAGGIO INCASSATO - RECTANGULAR PLATES , BUILT-IN MOUNTING

2 up to 14 kN						3 up to 41 kN					
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
200		200		200		250		250		250	
400		500		600		500		600		700	
58		58		58		98		98		98	
200		250		300		250		300		400	
29	15	35	17	42	25	-	-	-	-	-	-
9.81.P2040S2	9.81.P2040A2	9.81.P2050S2	9.81.P2050A2	9.81.P2060S2	9.81.P2060A2	9.81.P32550S2	9.81.P32550A2	9.81.P32560S2	9.81.P32560A2	9.81.P32070S2	9.81.P325670A2

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		400		400		400		500		500		500		500	
500		600		700		800		600		700		800		900	
58		58		58		58		98		98		98		98	
200		200		200		200		250		250		250		250	
300		400		500		600		300		400		500		600	
74	34	87	39	100	44	114	49	-	-	-	-	-	-	-	-
9.81. P4050S4	9.81. P4050A4	9.81. P4060S4	9.81. P4060A4	9.81. P4070S4	9.81. P4070A4	9.81. P4080S4	9.81. P4080A4	9.81. P35060S4	9.81. P35060A4	9.81. P35070S4	9.81. P35070A4	9.81. P35080S4	9.81. P35080A4	9.81. P35090S4	9.81. P35090A4

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		400		400		400		500		500		500		-	
500		600		700		800		800		900		1000		-	
58		58		58		58		98		98		98		-	
200		200		200		200		250		250		250		-	
150		200		250		300		250		300		350			
79	39	91	44	105	49	118	54	-	-	-	-	-	-	-	-
9.81. P4050S6	9.81. P4050A4	9.81. P4060S6	9.81. P4060A6	9.81. P4070S6	9.81. P4070A4	9.81. P4080S6	9.81. P4080A6	9.81. P35080S6	9.81. P35080A4	9.81. P35090A6	9.81. P35090A6	9.81. P35010S6	9.81. P35010A4	-	-

Alluminio - Anticorodal - ossidazione dura
Alloy 6082 - Anticorodal - Hard anodizing

PIASTRE BASE ZERO POINT TONDE
ZERO POINT ROUNDED HEAD PLATES

Opzione apertura indipendente Zero Point
Zero point independet control option
SOVRAPREZZO - EXTRA PRICE:

MONTAGGIO CON FLANGIA - FLANGE MOUNTING

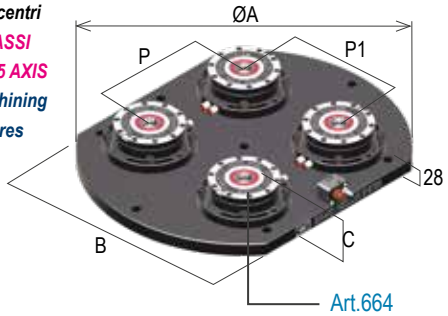
Tipo (grandezza) Zero-Point
Zero-Point type (size)

kN

2
up to 14 kN

Art. 72P

Per centri a 5 ASSI
For 5 AXIS machining centres



	Hermule C600U		DMG DMU 50 Evo		Mazak Variax 500		Hermule C40U	
	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
ØA	280		500		500		420	
B	-		380		400		-	
C	83		83		83		83	
P	-		200		200		200	
P1	-		200		200		200	
N° Zero Point	1		4		4		4	
kg	19	11	61	37	63	38	65	35
Cod.	9.72. P2800S1	9.72. P2800A1	9.72. P5038S4	9.72. P5038A4	9.72. P5040S4	9.72. P5040A4	9.72. P4200S4	9.72. P4200A4

Piastra tonda con Zero Point **Art.664** montaggio con flangia
Rounded plates with Zero Point **Art.664** mounting with flange

MONTAGGIO INCASSATO - BUILT-IN MOUNTING

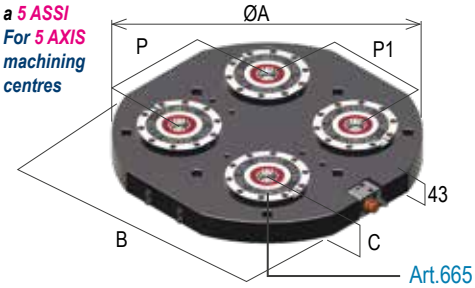
Tipo (grandezza) Zero-Point
Zero-Point type (size)

kN

2
up to 14 kN

Art. 82P

Per centri a 5 ASSI
For 5 AXIS machining centres



	Hermule C600U		DMG DMU 50 Evo		Mazak Variax 500		Hermule C40U	
	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
ØA	280		500		500		420	
B	-		380		400		-	
C	58		58		58		58	
P	-		200 / 250		200 / 250		200	
P1	-		200		200 / 250		200	
N° Zero Point	1		4		4		4	
kg	30	17	67	29	69	31	56	26
Cod.	9.82. P2800S2	9.82. P2800A2	9.82. P5038S4	9.82. P5038A4	9.82. P5040S4	9.82. P5040A4	9.82. P4200S4	9.82. P4200A4

Piastra tonda con Zero Point **Art.665** montaggio incassato
Rounded plates with Zero Point **Art.665** built-in mounting

PIASTRA BASE ROTONDA LISCIA E A RETICOLO - SQUARE SMOOTH AND GRID ROUNDED PLATES

Tipo (grandezza) Zero-Point
Zero-Point type (size)

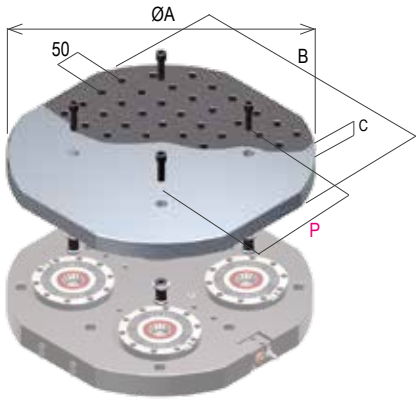
kN

2
up to 14 kN

Art. 62iC Art. 62iE

Piastra base tonda liscia (Art.62iC) o a reticolo (Art.62iE) con tiranti femmina Art.10A - 10B per cambio rapido Zero Point

Smooth round interfaced plate (Art.62iC) or grid (Art.62iE) with female pull-studs Art.10A - 10B for ZERO POINT quick change



	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
ØA	400		500		630		800	
B	320		400		500		630	
C	38		38		38		38	
P	200		250		300		300	
kg	41	15	59	21	92	33	149	54
Art.62iC Cod.	9.62. IC4032S4	9.62. IC4032A4	9.62. IC4050S4	9.62. IC4060A4	9.62. IC4070S4	9.62. IC4070A4	9.62. IC4080S4	9.62. IC4080A4
Art.62iE Cod.	9.62. IE4032S4	9.62. IE4032A4	9.62. IE4050S4	9.62. IE4060A4	9.62. IE4070S4	9.62. IE4070A4	9.62. IE4080S4	9.62. IE4080A4

Opzione apertura indipendente Zero Point
Zero point independet control option
SOVRAPREZZO - EXTRA PRICE:

MONTAGGIO CON FLANGIA - FLANGE MOUNTING

2
up to 14 kN

DMG DMU 50		Haas UMC 750		Mazak Variax 630		DMG DMU 70 Evo		DMG DMC 635V		DMG DMC 1035V		DMG DMU 80P	
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
630		630		630		700		790		1000		900	
500		500		500		500		560		560		630	
79		79		79		79		79		79		79	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 250		200 / 300 / 350		200 / 250	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300		200 / 250 / 300		200 / 300 / 400		200 / 300 / 400	
4		4		4		4		6		8		6	
85	46	85	46	85	46	94	49	124	68	151	78	149	76
9.72. P6350S4	9.72. P6350A4	9.72. P6350S4	9.72. P6350A4	9.72. P6350S4	9.72. P6350A4	9.72. P7050S4	9.72. P7050A4	9.72. P7956S6	9.72. P7956A6	9.72. P1056S8	9.72. P1056A8	9.72. P9063S6	9.72. P9063A6

MONTAGGIO INCASSATO - BUILT-IN MOUNTING

2
up to 14 kN

DMG DMU 50		Haas UMC 750		Mazak Variax 630		DMG DMU 70 Evo		DMG DMC 635V		DMG DMC 1035V		DMG DMU 80P	
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
630		630		630		700		790		1000		900	
500		500		500		500		560		560		630	
58		58		58		58		58		58		58	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 250		200 / 250 / 350		200 / 250 / 300	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 300 / 400		200 / 300 / 400	
4		4		4		4		6		8		6	
103	43	103	43	103	43	116	48	149	63	197	83	188	87
9.82. P6350S4	9.82. P6350A4	9.82. P6350S4	9.82. P6350A4	9.82. P6350S4	9.82. P6350A4	9.82. P7050S4	9.82. P7050A4	9.82. P7956S6	9.82. P7956A6	9.82. P1056S8	9.82. P1056A8	9.82. P9063S6	9.82. P9063A6

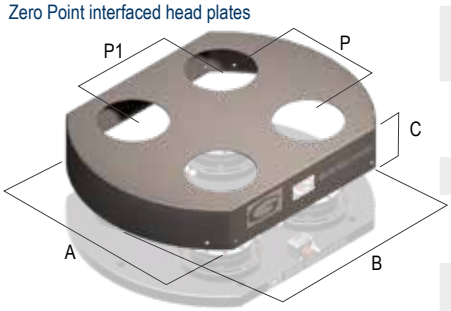
CARTER PER PIASTRE TONDE - ROUNDED PLATES COVER

Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 72CP

Carter in acciaio INOX per piastre tonde interfacciate con Zero Point

Stainless steel round cover for Zero Point interfaced head plates



kN	2 up to 14 kN								
	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel	Steel
ØA	280	500	420	500	630	700	790	1000	900
B	-	380	-	400	500	500	560	560	630
C	78	78	78	78	78	78	78	78	78
P	-	200	200	200	200 250 300	200 300 400	200 250	200 300 350	200 250
P1	-	200	200	200	200 250 300	200 300	200 250 300	200 300 400	200 300 400
kg	-	-	-	-	-	-	-	-	-
Cod.	9.72. CP28281	9.72. CP50384	9.72. CP42424	9.72. CP50404	9.72. CP63504	9.72. CP70504	9.72. CP79566	9.72. CP10568	9.72. CP90636

9

PIASTRE DI INTERFACCIA LISCE*
SMOOTH INTERFACED HEAD PLATES*

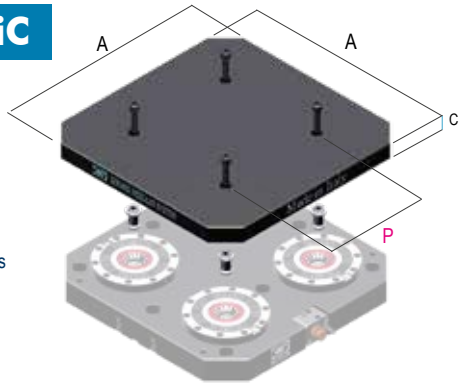
PIASTRE QUADRATE - SQUARE PLATES

Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 60iC

Piastra base liscia
con tiranti femmina
Art.10A - 10B
per cambio rapido
ZERO POINT

Smooth base plate
with female pull-studs
Art.10A - 10B for
ZERO POINT
quick change



	kN	1 up to 12 kN							
		Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A		400		500		630		800	
B		-		-		-		-	
C		38		38		38		38	
P		200		200 -250 - 300		200-250-300-350-400		200-250-300-350-400 450-500-550-600	
kg		45	15	73	25	116	39	188	64
Cod.		9.60. IC14040S4	9.60. IC14040A4	9.60. IC15050S4	9.60. IC15050A4	9.60. IC16363S4	9.60. IC16363A4	9.60. IC18080S4	9.60. IC18080A4

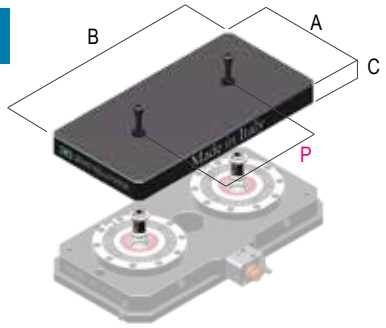
PIASTRE RETTANGOLARI - RECTANGULAR PLATES

Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 61iC

Piastra base liscia
con tiranti femmina
Art.10A - 10B
per cambio rapido
ZERO POINT

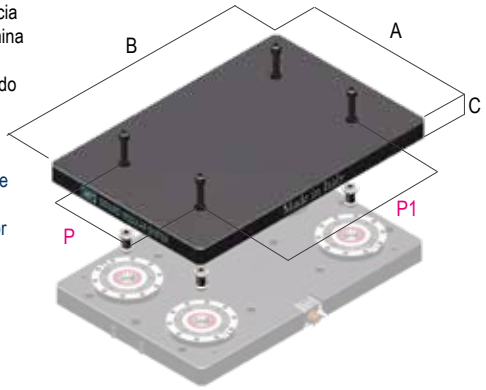
Smooth base plate
with female pull-studs
Art.10A - 10B for
ZERO POINT
quick change



	kN	1 up to 12 kN					
		Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A		200		200		200	
B		400		500		600	
C		38		38		38	
P		200		250		300	
kg		22	7	28	9	34	11
Cod.		9.61.IC12040S2	9.61.IC12040A2	9.61.IC12050S2	9.61.IC12050A2	9.61.IC12080S2	9.61.IC12080A2

Piastra base liscia
con tiranti femmina
Art.10A - 10B
per cambio rapido
ZERO POINT

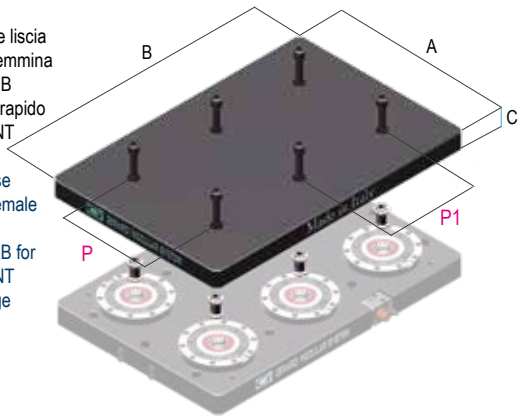
Smooth base
plate with female
pull-studs
Art.10A - 10B for
ZERO POINT
quick change



		Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A		400		400		400		400	
B		500		600		700		800	
C		38		38		38		38	
P		200		200		200		200	
P1		300		400		500		600	
kg		58	19	70	23	81	27	93	31
Cod.		9.61. IC14050S4	9.61. IC14050A4	9.61. IC14060S4	9.61. IC14060A4	9.61. IC14070S4	9.61. IC14070A4	9.61. IC14080S4	9.61. IC14080A4

Piastra base liscia
con tiranti femmina
Art.10A - 10B
per cambio rapido
ZERO POINT

Smooth base
plate with female
pull-studs
Art.10A - 10B for
ZERO POINT
quick change



		Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A		400		400		400		400	
B		500		600		700		800	
C		38		38		38		38	
P		200		200		200		200	
P1		150		200		250		300	
kg		57	18	69	22	80	26	92	30
Cod.		9.61. IC14050S6	9.61. IC14050A6	9.61. IC14060S6	9.61. IC14060A6	9.61. IC14070S6	9.61. IC14070A6	9.61. IC14080S6	9.61. IC14080A6

* Personalizzabili con 4/8 fori e 2 riferimenti per posizionamento (chiavette o fori calibrati) vedi pag. 8.4
Tailor made with 4/8 holes for clamping and 2 reference points for positioning (key-ways or ground screws) see pag. 8.4

PIASTRE QUADRATE - SQUARE PLATES

2 up to 14 kN								3 up to 41 kN							
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		500		630		800		-		500		630		800	
400		500		630		800		-		-		-		-	
38		38		38		38		-		38		38		38	
200		250		300		300 - 400		-		250		250-300-350-400		200-250-300-350-400-450-500-550	
47	16	70	25	115	41	180	65	-	-	73	25	116	39	188	64
9.60. IC2040S2	9.60. IC2040A2	9.60. IC5050S4	9.60. IC5050A4	9.60. IC6363S4	9.60. IC6363A4	9.60. IC8080S4	9.60. IC8080A4	-	-	9.60. IC35050S6	9.60. IC35050A6	9.60. IC36363S6	9.60. IC36363A6	9.60. IC38080S6	9.60. IC38080A6

PIASTRE RETTANGOLARI - RECTANGULAR PLATES

2 up to 14 kN						3 up to 41 kN					
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
200		200		200		250		250		250	
400		500		600		500		600		700	
38		38		38		38		38		38	
200		250		300		250		300		400	
24	9	30	11	36	13	36	12	43	14,5	51	17
9.61.I2040S2	9.61.I2040A2	9.61.I5050S4	9.61.I5050A4	9.61.I8080S4	9.61.I8080A4	9.61.IC32040S2	9.61.IC32040A2	9.61.IC35050S2	9.61.IC35050A2	9.61.IC38080S2	9.61.IC38080A2

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		400		400		400		500		500		500		500	
500		600		700		800		600		700		800		900	
38		38		38		38		38		38		38		38	
200		200		200		200		250		250		250		250	
300		400		500		600		300		400		500		600	
59	21	71	26	83	30	95	34	88	29	102,5	34,5	117	39	132	45
9.61. I4050S4	9.61. I4050A4	9.61. I4060S4	9.61. I4060A4	9.61. I4070S4	9.61. I4070A4	9.61. I4080S4	9.61. I4080A4	9.61. IC35060S4	9.61. IC35060A4	9.61. IC35070S4	9.61. IC35070A4	9.61. IC35080S4	9.61. IC5080A4	9.61. IC35090S4	9.61. IC35090A4

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		400		400		400		500		500		500		-	
500		600		700		800		800		900		1000		-	
38		38		38		38		38		38		38		-	
200		200		200		200		250		250		250		-	
150		200		250		300		250		300		350			
59	21	71	26	83	30	95	34	117	39	132	45	147	49	-	-
9.61. IC4050S6	9.61. IC4050A6	9.61. IC4060S6	9.61. IC4060A6	9.61. IC4070S6	9.61. IC4070A6	9.61. IC4080S6	9.61. IC4080A6	9.61. IC35080S6	9.61. IC35080A6	9.61. IC35090S6	9.61. IC35090A6	9.61. IC35010S6	9.61. IC5080A6	-	-

! **Alluminio -** Anticorodal - ossidazione dura
Alloy 6082 - Anticorodal - Hard anodizing

PIASTRE DI INTERFACCIA A RETICOLO*
GRID INTERFACED HEAD PLATES*

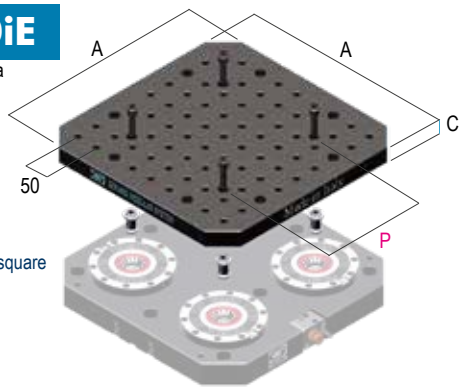
PIASTRE QUADRATE - SQUARE PLATES

Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 60iE

Piastra di interfaccia quadrata a reticolo integrale con tiranti femmina Art.10A - 10B per cambio rapido ZERO POINT

Solid grid interface square plate with female pull-studs Art.10A - 10B for ZERO POINT quick change



kN	1 up to 12 kN							
	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		500		630		800	
B	-		-		-		-	
C	38		38		38		38	
P	200		200 -250 - 300		200-250-300-350-400		200-250-300-350-400 450-500-550-600	
kg	45	15	73	25	116	39	188	64
Cod.	9.60. IE14040S4	9.60. IE14040A4	9.60. IE15050S4	9.60. IE15050A4	9.60. IE16363S4	9.60. IE16363A4	9.60. IE18080S4	9.60. IE18080A4

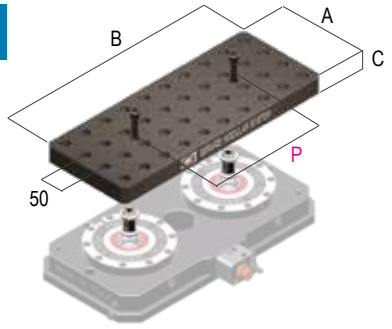
PIASTRE RETTANGOLARI - RECTANGULAR PLATES

Tipo (grandezza) Zero-Point
Zero-Point type (size)

Art. 61iE

Piastra base a reticolo con tiranti femmina Art.10A - 10B per cambio rapido ZERO POINT

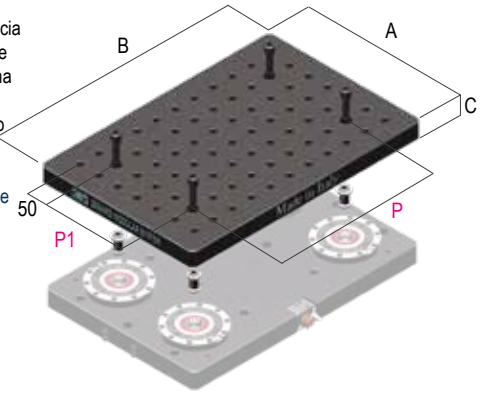
Solid grid interface plate with female pull-studs Art.10A - 10B for ZERO POINT quick change



kN	1 up to 12 kN					
	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	200		200		200	
B	400		500		600	
C	38		38		38	
P	200		250		300	
kg	22	7	28	9	34	11
Cod.	9.61.IE12040S2	9.61.IE12040A2	9.61.IE15050S2	9.61.IE15050A2	9.61.IE18080S2	9.61.IE18080A2

Piastra di interfaccia a reticolo integrale con tiranti femmina Art.10A - 10B per cambio rapido ZERO POINT

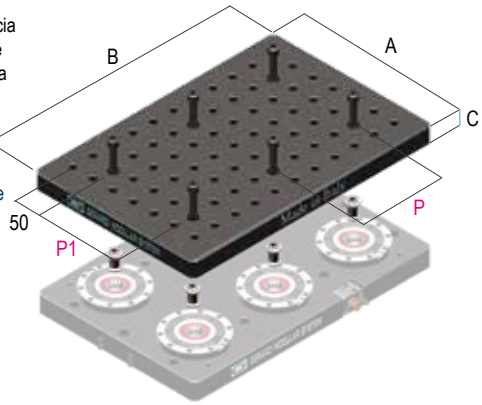
Solid grid interface plate with female pull-studs Art.10A - 10B for ZERO POINT quick change



	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		400		400		400	
B	500		600		700		800	
C	38		38		38		38	
P	200		200		200		200	
P1	300		400		500		600	
kg	58	19	70	23	81	27	93	31
Cod.	9.61. IE14050S4	9.61. IE14050A4	9.61. IE14060S4	9.61. IE14060A4	9.61. IE14070S4	9.61. IE14070A4	9.61. IE14080S4	9.61. IE14080A4

Piastra di interfaccia a reticolo integrale con tiranti femmina Art.10A - 10B per cambio rapido ZERO POINT

Solid grid interface plate with female pull-studs Art.10A - 10B for ZERO POINT quick change



	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
A	400		400		400		400	
B	500		600		700		800	
C	38		38		38		38	
P	200		200		200		200	
P1	150		200		250		300	
kg	57	18	69	22	80	26	92	30
Cod.	9.61. IE14050S6	9.61. IE14050A6	9.61. IE14060S6	9.61. IE14060A6	9.61. IE14070S6	9.61. IE14070A6	9.61. IE14080S6	9.61. IE14080A6

* Personalizzabili con 4/8 fori e 2 riferimenti per posizionamento (chiavette o fori calibrati) vedi pag. 8.4
Tailor made with 4/8 holes for clamping and 2 reference points for positioning (key-ways or ground screws) see pag. 8.4

PIASTRE QUADRATE - SQUARE PLATES

2 up to 14 kN

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		500		630		800	
400		500		630		800	
38		38		38		38	
200		250		300		300 - 400	
47	16	70	25	115	41	180	65
9.60. IE4040S4	9.60. IE4040A4	9.60. IE5050S4	9.60. IE5050A4	9.60. IE6363S4	9.60. IE6363A4	9.60. IE8080S4	9.60. IE8080A4

3 up to 41 kN

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
-		500		630		800	
-		-		-		-	
-		38		38		38	
-		250		250-300-350-400		200-250-300-350-400-450-500-550	
-	-	73	25	116	39	188	64
-	-	9.60. IE35050S6	9.60. IE35050A6	9.60. IE36363S6	9.60. IE36363A6	9.60. IE38080S6	9.60. IE38080A6

PIASTRE RETTANGOLARI - RECTANGULAR PLATES

2 up to 14 kN

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
200		200		200	
400		500		600	
38		38		38	
200		250		300	
24	9	30	11	36	13
9.61.IE2040S2	9.61.IE2040A2	9.61.IE5050S2	9.61.IE5050A2	9.61.IE8080S2	9.61.IE8080A2

3 up to 41 kN

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
250		250		250	
500		600		700	
38		38		38	
250		300		400	
36	12	43	14,5	51	17
9.61.IE32040S2	9.61.IE32040A2	9.61.IE35050S2	9.61.IE35050A2	9.61.IE38080S2	9.61.IE38080A2

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		400		400		400	
500		600		700		800	
38		38		38		38	
200		200		200		200	
300		400		500		600	
59	21	71	26	83	30	95	34
9.61. IE4050S4	9.61. IE4050A4	9.61. IE4060S4	9.61. IE4060A4	9.61. IE4070S4	9.61. IE4070A4	9.61. IE4080S4	9.61. IE4080A4

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
500		500		500		500	
600		700		800		900	
38		38		38		38	
250		250		250		250	
300		400		500		600	
88	29	102,5	34,5	117	39	132	45
9.61. IE35060S4	9.61. IE35060A4	9.61. IE35070S4	9.61. IE35070A4	9.61. IE35080S4	9.61. IE5080A4	9.61. IE35090S4	9.61. IE35090A4

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
400		400		400		400	
500		600		700		800	
38		38		38		38	
200		200		200		200	
150		200		250		300	
59	21	71	26	83	30	95	34
9.61. IE4050S6	9.61. IE4050A6	9.61. IE4060S6	9.61. IE4060A6	9.61. IE4070S6	9.61. IE4070A6	9.61. IE4080S6	9.61. IE4080A6

Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
500		500		500		-	
800		900		1000		-	
38		38		38		-	
250		250		250		-	
250		300		350			
117	39	132	45	147	49	-	-
9.61. IE35080S6	9.61. IE35080A6	9.61. IE35090S6	9.61. IE35090A6	9.61. IE35010S6	9.61. IE5080A6	-	-

! **Alluminio -** Anticorodal - ossidazione dura
Alloy 6082 - Anticorodal - Hard anodizing

Sistema / *System*

DOUBLE ZERO POINT

Ancoraggio di attrezzature o particolari su sovratavola a reticolo

Fixtures or workpieces clamping in many different positions on grid interface plate

CARATTERISTICHE & VANTAGGI

- √ **OTTIMIZZAZIONE DELLA PRODUZIONE (Pag. 9.5)**
- √ **ABBATTIMENTO DEI TEMPI DI ALLESTIMENTO MACCHINA (Pag. 9.9)**
- √ **RISPARMIO SULLE ATTREZZATURE**
- √ **MASSIMA VERSATILITÀ**
- √ **RAPIDA RICONFIGURAZIONE**
- √ **LAVORAZIONI DU 5 LATI (CONTORNATURA)**

TECHNICAL FEATURES & ADVANTAGES

- √ PRODUCTION OPTIMIZATION (Page 9.5)
- √ MINIMUM MACHINE SET UP TIMES (Page 9.9)
- √ SAVING ON FIXTURES
- √ MAX VERSATILITY
- √ IMMEDIATE RECONFIGURATION
- √ 5 SIDES MACHINING POSSIBILITY (PROFILE MILLING)

QUALITÀ GERARDI

- √ **RIPETIBILITÀ ENTRO 0,005 MM**
- √ **PINZA ELASTICA INTEGRALE PER UN MIGLIORE E PIÙ PRECISO POSIZIONAMENTO E RIMOZIONE DELLE ATTREZZATURE**
- √ **TUTTI I COMPONENTI SONO IN ACCIAIO TEMPRATO E RETTIFICATO**
- √ **QUALITÀ GARANTITA DA ANNI DI COLLAUDO NELLA PROPRIA OFFICINA**
- √ **START UP IMMEDIATO! VERIFICA DELLA PRECISIONE SUI SUPPORTI E SULLE ATTREZZATURE CHE MONTANO ZERO-POINT.**

GERARDI QUALITY

- √ REPOSITIONING ACCURACY WITHIN 0,005mm
- √ SOLID INTEGRAL ELASTIC COLLET FOR A BETTER AND MORE ACCURATE FIXTURES POSITIONING AND DISASSEMBLING
- √ ALL COMPONENTS MADE OF SPECIAL ALLOY OF STEEL CASE HARDNED AND GROUND HRC 60
- √ QUALITY GUARANTEED BY YEARS OF TESTS AND REAL USE IN OUR WORKSHOP AND 15 YEARS PRODUCTION AND MARKET PRESENCE IN THIS SPECIFIC PRODUCTS
- √ IMMEDIATE START UP! GUARANTEE OF DOUBLE CHECK ON ALL THE FIXTURES ASSEMBLED WITH ZERO-POINT BY GERARDI



Immediata riconfigurazione

Immediate re-positioning

Possibilità di posizionamento di particolari ed attrezzature in maniera indipendente tramite tiranti su piastre di interfaccia a reticolo personalizzate.

Possibility of independent positioning of workpieces and equipments through pull studs on customized grid interface plates.



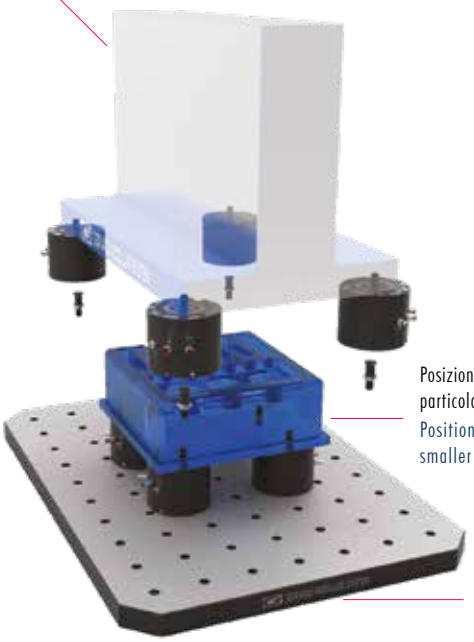
Tiranti

Pull Studs



I tiranti assicurano un corretto allineamento e posizionamento del particolare o dell'attrezzatura da serrare. Esitono tiranti Maschio e tiranti Femmina a secondo dell'applicazione

The Pull Studs ensure a correct alignement and positioning of the fixtures or can be also assembled directly on the workpiece and they can be male or female according to the application needs



Esempio di posizionamento con interasse più largo
Positioning example of a bigger fixture

Posizionamento di un particolare più piccolo
Positioning of a smaller workpiece

Piastra base a reticolo
Grid base plate



L'evoluzione Zero Point continua...
Lo Zero Point doppio nasce dall'esigenza di dover serrare particolari ed attrezzature delle più svariate forme e dimensioni sulla stessa piastra base. Grazie ad un sistema a reticolo personalizzato otteniamo una IMMEDIATA RICONFIGURAZIONE, garantendo sempre la massima precisione e consentendo la completa accessibilità e lavorazioni su 5 lati. Grazie a questo sistema potrete rimuovere in pochi secondi le attrezzature dalla macchina risparmiando fino al 95% sui tempi di allestimento, incrementando la produzione e riducendo notevolemente gli scarti. Lo Zero Point doppio permette di cambiare la posizione delle unità Zero Point per ancorare e posizionare attrezzature o particolari anche di diverse dimensioni sulla stessa piastra base

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The Zero Point evolving goes on...

Double Zero Point has been developed by the need to clamp workpieces and fixtures of all kind of shapes and sizes on the same base plate. Thanks to a grid system you can get an IMMEDIATE RECONFIGURATION always granting the highest precision and allowing max. accessibility and machining on 5 sides. Zero Point allows you to set up jobs in few seconds on the machine, saving around 95% set up time, increasing production and reducing scrapes. Double zero point allows to change the position of the Zero Point units to clamp and position fixtures and workpieces even of different sizes on the same base plate



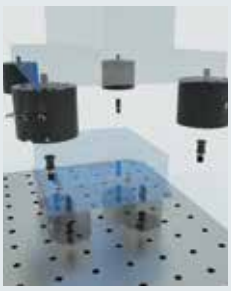
Tirante per attrezzatura
Pull Stud for fixture

Tirante per piastra base
Pull Stud for head plate

SCAN IT TO WATCH THE
VIDEO PRESENTATION

5 YEARS WARRANTY

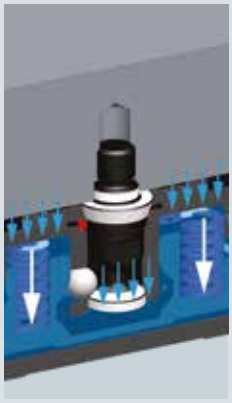
L'evoluzione continua
Never stop evolving



Estrema versatilità
Extreme versatility

Le unità Zero Point doppie possono infatti essere posizionate a diversi interassi tramite piastre con reticolo di fori calibrati

Double Zero Point units can be positioned with different pitches on customized calibrated grid plates.



Incremento forza opzionale
Optional clamping force increase

La funzione DOPPIO EFFETTO, possibile con zero point singoli (ermetico), permette di ottenere parametri di serraggio notevolmente superiori rispetto al normale funzionamento grazie alla valvola di non ritorno. Quando è azionata l' aria compressa aggiunge una forza pneumatica in supporto al normale sistema di serraggio tramite molle.

The DOUBLE EFFECT, possible with the single zero point units (hermetic), always included,allows to get clamping results much higher than the normal thanks to the non-return valve. When the double effect is operated the air adds a pneumatic clamping power which supports and increases the normal clamping through springs.



Facilità di utilizzo
High clamp force

Lo Zero Point doppio come tutti gli Zero Point permette di rimuovere in pochi secondi l'attrezzatura, in modo da poter effettuare l'attrezzaggio a banco, risparmiando fino al 95% dei tempi di allestimento.

Double Zero Point allows you to remove the equipment in a few seconds and quickly position the new equipment on the machine, saving around 95% set up time.

ZERO POINT DOPPIO
DOUBLE ZERO POINT

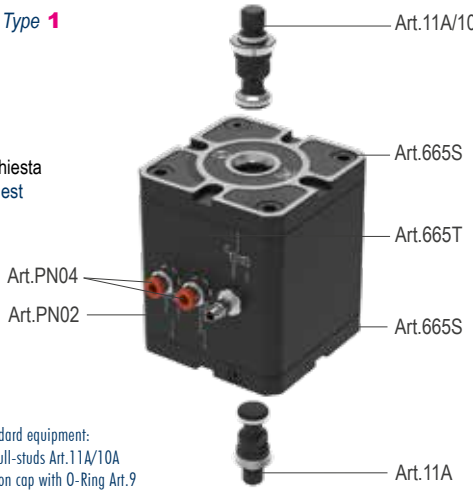
NEW

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	1 up to 12 kN
		Acciaio - Steel
	kg	5,2
	Cod.	9.66.ST100

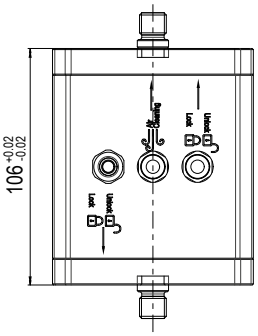
Art. 665T *Tipo / Type* **1**

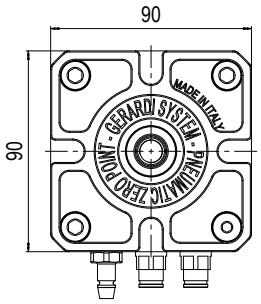
Zero Point doppio Art.665T
Double Zero Point Art.665T

Opzione **DOPPIO EFFETTO** a richiesta
DOUBLE EFFECT option on request



- Dotazione standard:
  - 2 tiranti Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 2 Pull-studs Art.11A/10A
  - Teflon cap with O-Ring Art.9





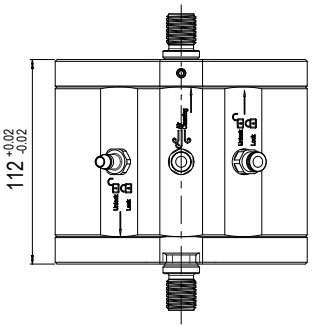
Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 14 kN
		Acciaio - Steel
	kg	9,7
	Cod.	9.66.5T200

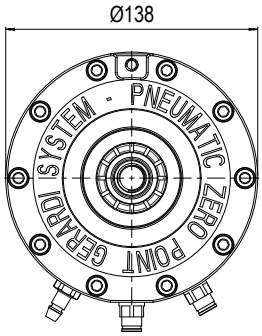
Art. 665T *Tipo / Type* **2**

Zero Point doppio Art.665T
Double Zero Point Art.665T



- Dotazione standard:
  - 2 tiranti Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 2 Pull-studs Art.11A/10A
  - Teflon cap with O-Ring Art.9





Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	3 up to 41 kN
		Acciaio - Steel
	kg	18,8
	Cod.	9.66.5T300

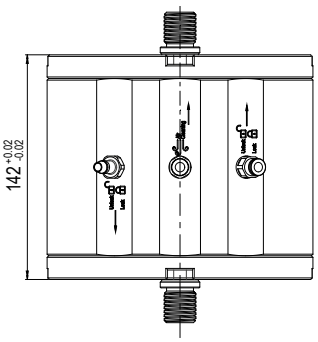
Art. 665T *Tipo / Type* **3**

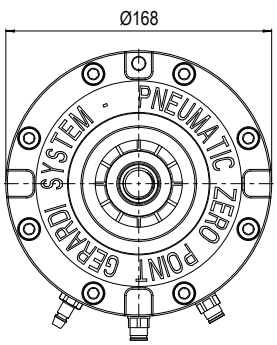
Zero Point doppio Art.665T
Double Zero Point Art.665T

Opzione **DOPPIO EFFETTO** a richiesta
DOUBLE EFFECT option on request



- Dotazione standard:
  - 2 tiranti Art.11A/10A
  - 1 tappo teflon con O-Ring Art.9
- Standard equipment:
  - 2 Pull-studs Art.11A/10A
  - Teflon cap with O-Ring Art.9





9

PORTAPEZZI IN GHISA CON ZERO POINT
CAST IRON TOMBSTONES WITH ZERO POINT

Il sistema Zero Point è predisposto per essere applicato all' ampia gamma di portapezzi, ampliando così la modularità del sistema Gerardi. In particolare:
- Zero Point Pneumatico Art.665, montabile su portapezzi tramite l'utilizzo della flangia Art.665F

The Zero Point system has been designed to be used with the wide range of tombstones increasing in this way the modularity of the Gerardi system. In particular:
- Pneumatic Zero Point Art.665, can be assembled on tombstones through the Art.665F flange

Art. 665

Montaggio incassato
Built-in mounting



Tipo Type	1	2	3
Kg	1,5	2,5	5,8
Cod.	9.66.51000	9.66.52000	9.66.53000

+

Art. 665F

Flangia
Flange



Tipo Type	1	2	3
Kg	1,7	3,3	-
Cod.	9.66.5F100	9.66.5F200	9.66.5F300

=

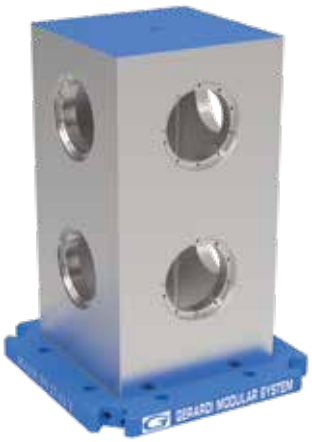
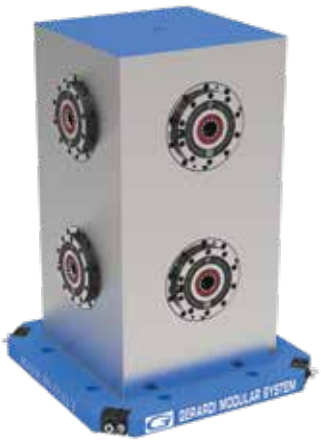
Art. 665X

Montaggio verticale incassato con flangia
Built-in vertical mounting with flange



Tipo Type	1	2	3
Kg	3,2	5,8	-
Cod.	9.66.5X100	9.66.5X200	9.66.5X300

PREDISPOSIZIONE E SEDI SU CUBO PER 8 UNITÀ ZERO POINT
TOMBSTONE SET-UP WITH 8 SEATS FOR ZERO POINT

Cubo lavorato Art.53C Machined tombstone Art.53C	**Zero Point 665X** Zero Point 665X	**Predisposizione e sedi*** Set-up and Zero Point seats*	**Cubo con morse** Cube with vises
Cod. 8.53.C000171 Dim. A=350 / B=500 / H=700	Art.665X Tipo 2	Per sede / each seat	
	 **n° Zero Point** Zero Point n° x 8		

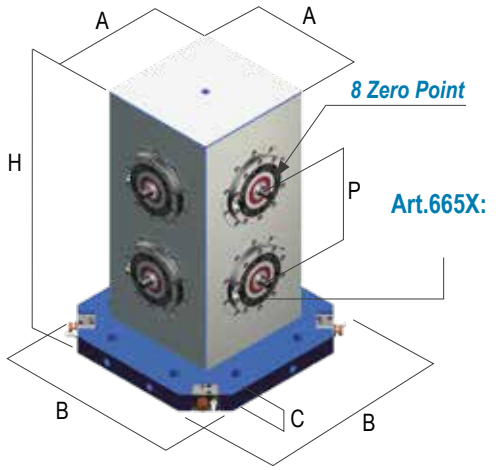
* Montaggio e allineamento 8 Zero Point incluso di viti, chiavette, staffe e quant'altro necessario.
4 Zero point mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

PORTAPEZZI IN GHISA CON ZERO POINT INCASSATI
CAST IRON TOMBSTONES WITH BUILT-IN ZERO POINT

Base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pagina 8.6

Base face machined and hand scraped for direct clamping on European or Japaneese standard pallet.
See specifications pag. 8.6

Art. 53P

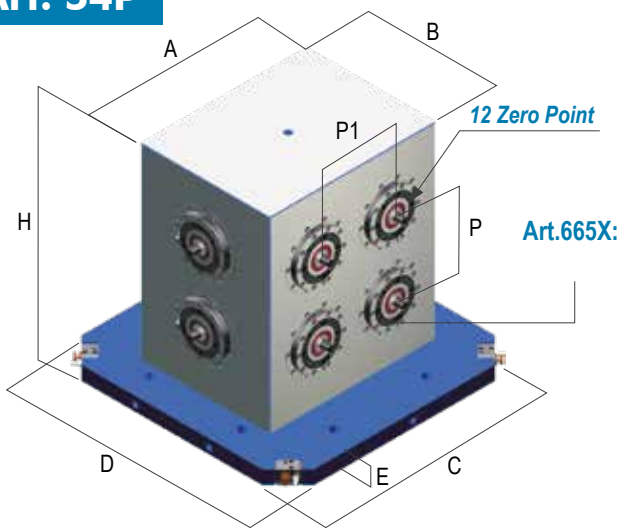


Gestione apertura Zero-Point indipendente per ogni lato.
Zero-Point opened from each sides independently.

Dimensioni - Dimensions

A	B	C	H	P	kg	Cod.	
200	350	40	370	150	99	9.53.P00040	*(Art.665x T.1)*
200	350	40	525	150	128	9.53.P00045	*(Art.665x T.1)*
200	500	40	600	200	179	9.53.P00050	*(Art.665x T.1)*
250	400	40	450	200	150	9.53.P00060	
250	450	40	450	200	164	9.53.P00070	
250	400	40	550	250	174	9.53.P00080	
250	400	40	660	300	201	9.53.P00081	
250	380	30	560	200	201	9.53.P00082	
250	500	40	610	250	215	9.53.P00090	
250	500	40	650	300	225	9.53.P00100	
250	500	40	750	350	250	9.53.P00105	
250	630	40	700	300	279	9.53.P00106	
260	500	45	1000	450	311	9.53.P00107	
270	400	40	510	200	176	9.53.P00110	
300	500	40	600	250	247	9.53.P00111	
300	500	40	750	350	293	9.53.P00113	
300	500	40	900	400	338	9.53.P00115	
330	500	40	660	300	288	9.53.P00120	
350	500	40	410	200	212	9.53.P00140	
350	500	40	450	200	226	9.53.P00150	
350	500	40	550	250	263	9.53.P00160	
350	500	40	610	250	284	9.53.P00170	
350	500	40	700	300	317	9.53.P00171	
350	630	40	700	300	359	9.53.P00172	
350	630	40	820	350	402	9.53.P00180	
350	500	40	820	350	358	9.53.P00181	
350	630	40	950	450	450	9.53.P00185	
450	630	40	550	250	367	9.53.P00190	
450	630	40	650	300	415	9.53.P00200	
500	630	40	860	400	565	9.53.P00211	
550	750	40	850	400	656	9.53.P00220	
500	800	40	800	350	600	9.53.P00230	
630	800	40	1050	350	1556	9.53.P00235	

Art. 54P



Gestione apertura Zero-Point indipendente per ogni lato.
Zero-Point opened from each sides independently.

Dimensioni - Dimensions

A	B	C	D	E	H	P	P1	kg	Cod.	
300	200	450	300	40	360	160	-	127	9.54.P00010	*(8 Art.665x T.2)*
350	250	400	400	40	550	250	160	205	9.54.P00040	
350	250	500	500	40	750	350	160	292	9.54.P00070	
300	200	400	400	40	550	250	-	174	9.54.P00080	
450	350	630	630	40	550	250	200	336	9.54.P00100	
450	350	630	630	40	650	300	200	340	9.54.P00110	
550	350	630	630	40	650	300	300	413	9.54.P00120	

Modelli normalmente presenti a magazzino

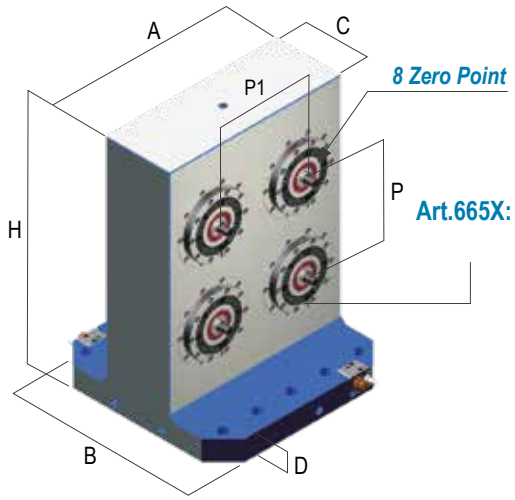
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica - For different finishing and materials (aluminum), ask for specific quotation
(x) = n° Zero Point come da figura - (x) = n° Zero Point pieces shown in the image

PORTAPEZZI IN GHISA CON ZERO POINT INCASSATI
CAST IRON TOMBSTONES WITH BUILT-IN ZERO POINT

Base lavorata e raschiettata per pallet a norme Europee o Giapponesi.
Vedi specifiche a pagina 8.6

Base face machined and hand scraped for direct clamping on European or Japaneese standard pallet.
See specifications pag. 8.6

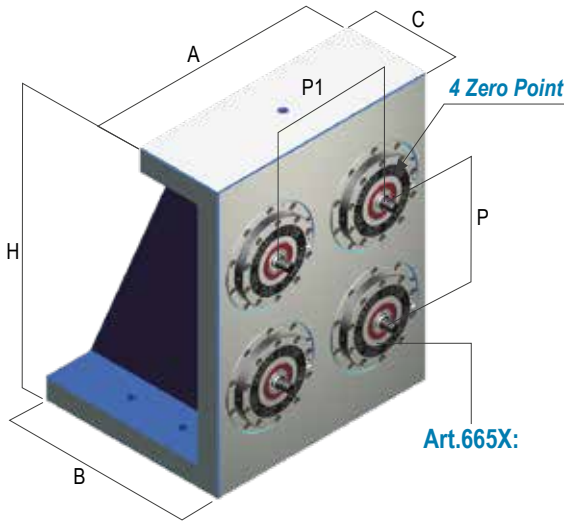
Art. 55P



Dimensioni - Dimensions

A	B	C	D	H	P	P1	kg	Cod.	
350	250	80	50	415	200	180	103	9.55.P00040	
300	440	80	50	300	150	150	109	9.55.P00044	
300	440	150	50	630	250	150	185	9.55.P00045	
400	350	100	50	525	200	200	190	9.55.P00050	
400	400	150	50	500	200	200	193	9.55.P00051	
400	400	150	45	660	300	200	222	9.55.P00052	
500	500	150	45	700	300	250	290	9.55.P00053	
500	500	200	50	600	250	250	287	9.55.P00054	
500	500	260	40	625	250	250	310	9.55.P00055	
450	350	100	50	525	200	200	208	9.55.P00060	
450	350	100	50	620	250	200	245	9.55.P00070	
550	350	100	60	650	300	250	321	9.55.P00080	
500	350	150	50	650	300	250	263	9.55.P00090	
450	350	150	50	610	250	200	250	9.55.P00120	
450	350	150	50	750	350	200	271	9.55.P00125	
550	350	150	60	670	300	250	303	9.55.P00150	
550	450	150	50	820	350	250	369	9.55.P00160	
630	450	150	50	820	350	300	418	9.55.P00170	
630	450	250	60	900	400	300	508	9.55.P00171	
630	630	200	50	850	400	300	504	9.55.P00172	
630	630	250	50	700	300	300	447	9.55.P00173	
350	450	150	60	650	300	180	213	9.55.P00180	
800	450	150	60	850	400	400	555	9.55.P00190	
800	800	300	50	800	350	400	674	9.55.P00191	
800	800	200	50	1000	250	250	814	9.55.P00192	
1200	850	250	60	1300	400	400	1374	9.55.P00230	
1250	1250	400	40	150	400	400	-	9.55.P00235	

Art. 56P



Dimensioni - Dimensions

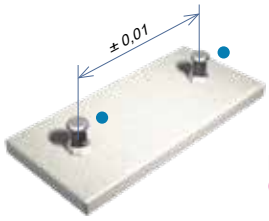
A	B	C	H	P	P1	kg	Cod.	
350	150	40	250	-	160	42	9.56.P00008	*(2 Art.665x T.2)*
300	220	100	300	-	160	57	9.56.P00009	*(2 Art.665x T.2)*
350	230	100	360	160	160	75	9.56.P00010	
400	280	100	400	200	200	100	9.56.P00011	
400	330	150	510	250	200	140	9.56.P00030	
500	340	150	500	250	250	166	9.56.P00031	
450	330	150	460	200	200	142	9.56.P00040	
450	330	150	610	300	200	174	9.56.P00050	
630	435	150	630	300	300	262	9.56.P00051	
500	230	100	360	160	250	101	9.56.P00060	
550	430	200	810	400	250	298	9.56.P00080	
650	330	150	660	300	300	245	9.56.P00100	
200	300	50	700	350	-	90	9.56.P00101	*(2 Art.665x T.2)*
800	330	150	560	250	400	266	9.56.P00110	
800	525	200	800	400	400	452	9.56.P00111	
800	430	200	800	400	400	402	9.56.P00120	
1015	500	85	1010	400	400	629	9.56.P00130	
1015	610	85	1215	400	400	695	9.56.P00140	
1800	825	138	1500	400	400	-	9.56.P00150	

Available usually immediately

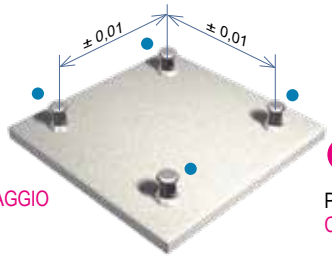
! Per lavorazioni o materiali diversi (alluminio), richiedere quotazione specifica - For different finishing and materials (aluminum), ask for specific quotation
(x) = n° Zero Point come da figura - (x) = n° Zero Point pieces shown in the image

TIRANTI TIPO 1
PULL-STUD TYPE 1

Il fissaggio ed il posizionamento delle attrezzature, o del particolare da lavorare, si effettua tramite i tiranti **Art.10** e **Art.11**
The clamping and the positioning of the fixtures, or directly the workpiece, is done through pull-studs **Art.10** and **Art.11**



● A
PERNO TIRANTE DI CENTRAGGIO
CENTERING PULL-STUD



● B
PERNO TIRANTE.
CLAMPING PULL-STUD

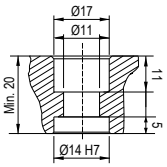


Il tipo **"A"** si utilizza per il centraggio e il serraggio, mentre il tipo **"B"** solo per il serraggio
Type **"A"** is used for both centering and clamping, while type **"B"** is only for clamping

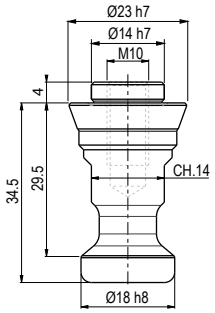
Art. 10A

Perno tirante di centraggio. Filetto femmina
Centering pull-stud. Female thread





X-Y



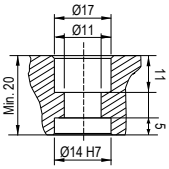
Alloggiamento tirante
Pull-stud seat

Cod.	9.10.A1000

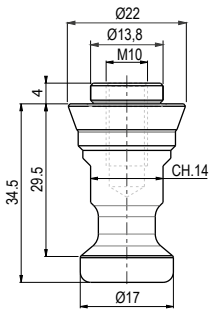
Art. 10B

Perno tirante. Filetto femmina
Clamping pull-stud. Female thread





Z



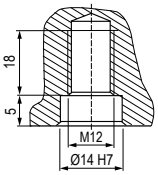
Alloggiamento tirante
Pull-stud seat

Cod.	9.10.B1000

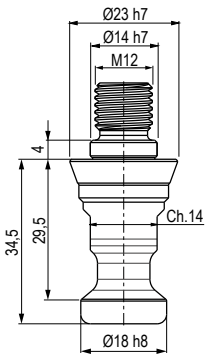
Art. 11A

Perno tirante di centraggio. Filetto maschio
Centering pull-stud. Male thread





X-Y



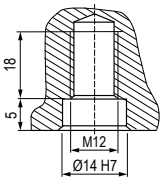
Alloggiamento tirante
Pull-stud seat

Cod.	9.11.A1000

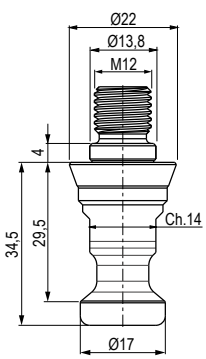
Art. 11B

Perno tirante. Filetto maschio
Clamping pull-stud. Male thread





Z

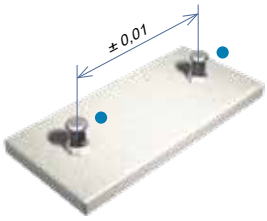


Alloggiamento tirante
Pull-stud seat

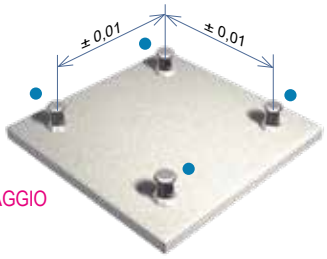
Cod.	9.11.B1000

TIRANTI TIPO 2
PULL-STUD TYPE 2

Il fissaggio ed il posizionamento delle attrezzature, o del particolare da lavorare, si effettua tramite i tiranti **Art.10** e **Art.11**
The clamping and the positioning of the fixtures, or directly the workpiece, is done through pull-studs **Art.10** and **Art.11**



● A
PERNO TIRANTE DI CENTRAGGIO
CENTERING PULL-STUD



● B
PERNO TIRANTE.
CLAMPING PULL-STUD



Il tipo **"A"** si utilizza per il centraggio e il serraggio, mentre il tipo **"B"** solo per il serraggio
Type **"A"** is used for both centering and clamping, while type **"B"** is only for clamping

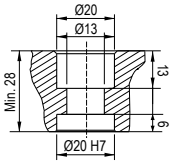
ZERO POINT SINGOLO TIPO 2
SINGLE ZERO POINT TYPE 2

Art. 10A

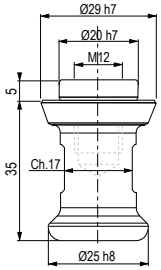
Perno tirante di centraggio. Filetto femmina
Centering pull-stud. Female thread



Alloggiamento tirante
Pull-stud seat



X-Y



Disponibile con sede TIPO 1 (Ø14h7 / M10)
Available with TYPE 1 hole (Ø14h7 / M10)

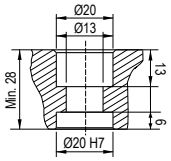
Cod.	9.10.A2000

Art. 10B

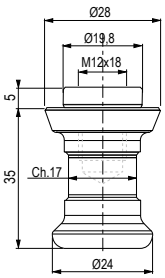
Perno tirante. Filetto femmina
Clamping pull-stud. Female thread



Alloggiamento tirante
Pull-stud seat



Z



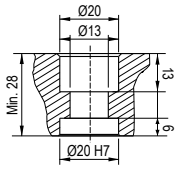
Cod.	9.10.B2000

Art. 10S

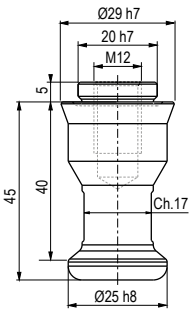
Perno tirante di centraggio per Zero Point **singolo**. Filetto femmina
Centering pull-stud for **single** Zero Point. Female thread



Alloggiamento tirante
Pull-stud seat



X-Y



Disponibile con sede TIPO 1 (Ø14h7 / M10)
Available with TYPE 1 hole (Ø14h7 / M10)

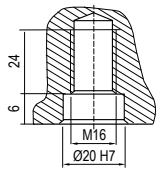
Cod.	9.10.S2000

Art. 11A

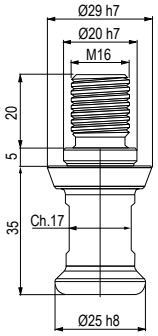
Perno tirante di centraggio. Filetto maschio
Centering pull-stud. Male thread



Alloggiamento tirante
Pull-stud seat



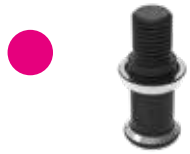
X-Y



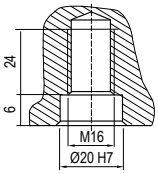
Cod.	9.11.A2000

Art. 11B

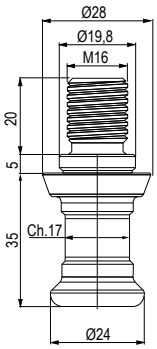
Perno tirante. Filetto maschio
Clamping pull-stud. Male thread



Alloggiamento tirante
Pull-stud seat



Z



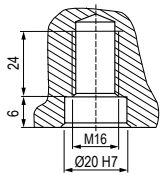
Cod.	9.11.B2000

Art. 11S

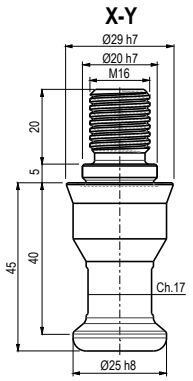
Perno tirante di centraggio per Zero Point **singolo**. Filetto maschio
Centering pull-stud for **single** Zero Point. Male thread



Alloggiamento tirante
Pull-stud seat



X-Y



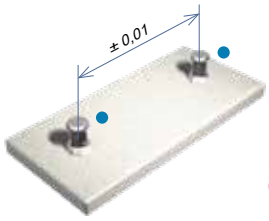
Cod.	9.11.S2000

9

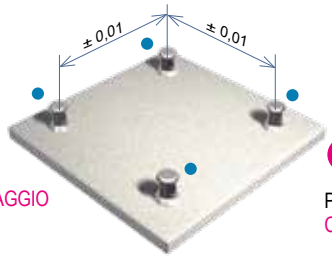
TIRANTI TIPO 3
PULL-STUD TYPE 3

NEW

Il fissaggio ed il posizionamento delle attrezzature, o del particolare da lavorare, si effettua tramite i tiranti **Art.10** e **Art.11**
The clamping and the positioning of the fixtures, or directly the workpiece, is done through pull-studs **Art.10** and **Art.11**



● A
PERNO TIRANTE DI CENTRAGGIO
CENTERING PULL-STUD



● B
PERNO TIRANTE.
CLAMPING PULL-STUD

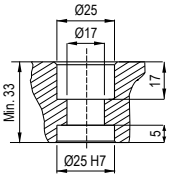


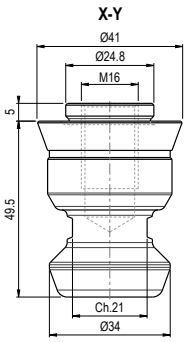
Il tipo **"A"** si utilizza per il centraggio e il serraggio, mentre il tipo **"B"** solo per il serraggio
Type **"A"** is used for both centering and clamping, while type **"B"** is only for clamping

Art. 10A

Perno tirante di centraggio. Filetto femmina
Centering pull-stud. Female thread







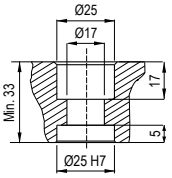
Alloggiamento tirante
Pull-stud seat

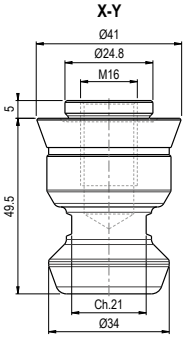
Cod.	9.10.A3000

Art. 10B

Perno tirante. Filetto femmina
Pull-stud. Female thread







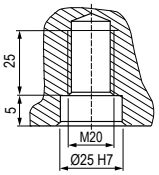
Alloggiamento tirante
Pull-stud seat

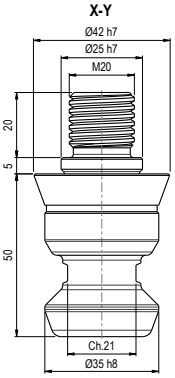
Cod.	9.10.B3000

Art. 11A

Perno tirante di centraggio. Filetto maschio
Centering pull-stud. Male thread







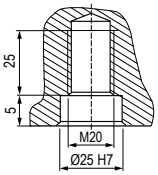
Alloggiamento tirante
Pull-stud seat

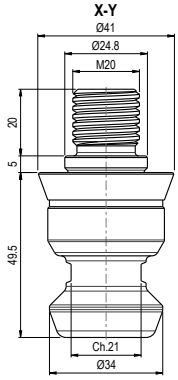
Cod.	9.11.A3000

Art. 11B

Perno tirante. Filetto maschio
Pull-stud. Male thread



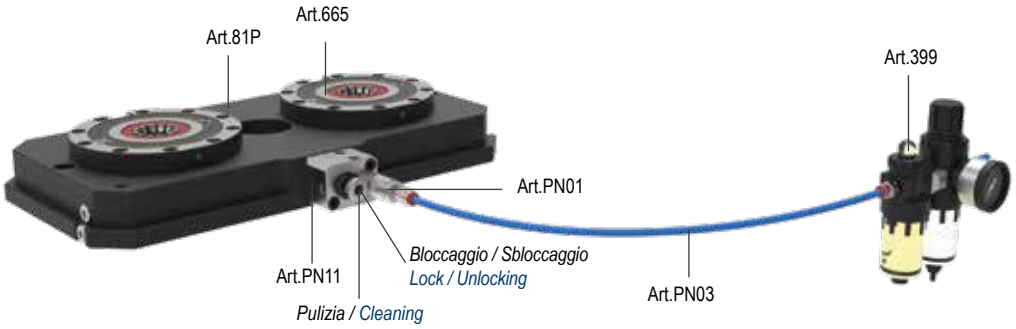




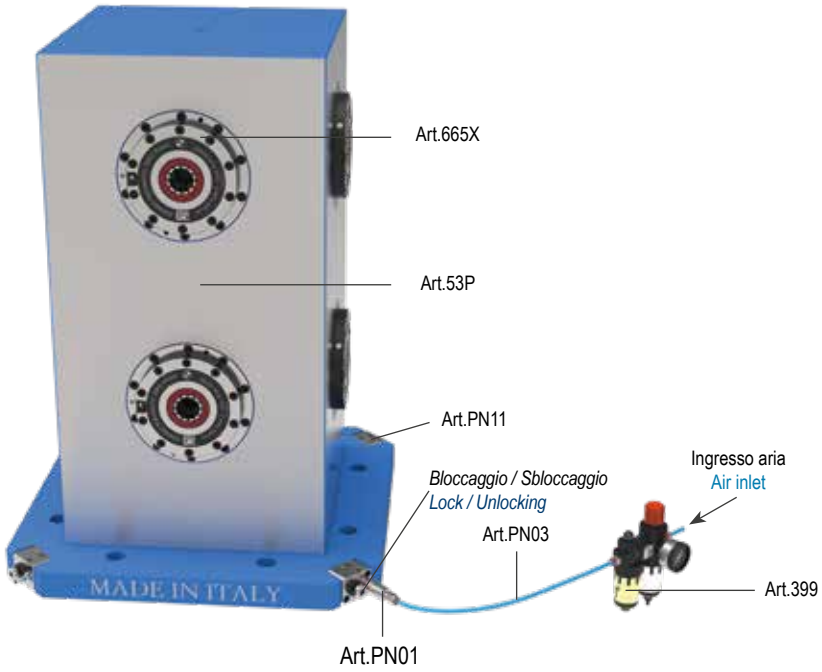
Alloggiamento tirante
Pull-stud seat

Cod.	9.11.B3000

KIT PER AZIONAMENTO DI PIU PIASTRE (O CUBO) CON ZERO POINT
KIT FOR ZERO POINT PLATE (OR CUBE) CONTROL

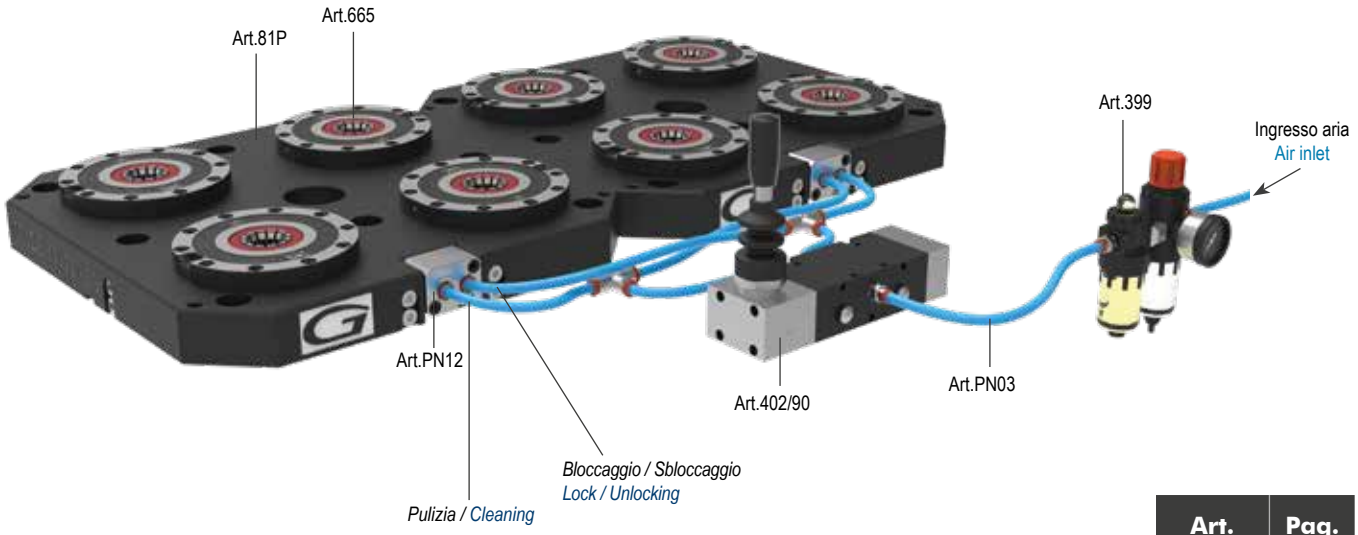


Art.	Pag.
PN01	9.38
PN03	9.38
PN11	9.38
399	9.39



Art.	Pag.
PN01	9.38
PN03	9.38
PN11	9.38
399	9.39

KIT PER AZIONAMENTO SIMULTANEO DI PIU PIASTRE (O CUBI) CON ZERO POINT
KIT FOR MULTIPLE ZERO POINT PLATES (OR CUBES) WHIT SIMULTANEOUS CONTROL



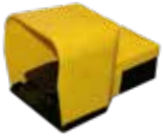
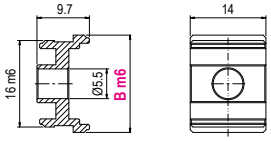
Art.	Pag.
PN03	9.38
402/90	9.39
399	9.39

- Attacco rapido Art.PN01 a richiesta (o da ordinare con Art.PN02)
- Quick connection Art.PN01 on request (to be ordered with Art.PN02)

ACCESSORI & RACCORDI per ZERO POINT PNEUMATICI
ACCESSORIES & CONNECTIONS FOR PNEUMATIC ZERO POINT

			Cod.
Art. PN01 Attacco rapido femmina Female connection		1 / 4" Gas	9.PN.01F00-14
		1 / 8" Gas	9.PN.01F00-18
Art. PN02 Innesto rapido maschio Quick male coupling		1 / 4" Gas	9.PN.02M00-14
		1 / 8" Gas	9.PN.02M00-18
Art. PN03 Tubo pneumatico aria Pneumatic air pipe		Ø 6 x 1m	9.PN.03006
		Ø 8 x 1 m	9.PN.03008
Art. PN04 Raccordo diritto cilindrico maschio Straight male adaptor		Ø 6 - 1 / 8" Gas	9.PN.04M06-18
		Ø 8 - 1 / 8" Gas	9.PN.04M08-18
Art. PN05 Tappo Cap		1 / 4" Gas	9.PN.05000-14
		1 / 8" Gas	9.PN.05000-18
Art. PN06 Raccordo a "L" maschio cilindrico girevole "L" rotary male adaptor parallel		Ø 6 - 1 / 8" Gas	9.PN.06M06-18
		Ø 8 - 1 / 8" Gas	9.PN.06M08-18
Art. PN07 Raccordo a "T" centrale maschio cilindrico girevole "T" rotary central adaptor		Ø 6 - 1 / 8" Gas	9.PN.07M06-18
		Ø 8 - 1 / 8" Gas	9.PN.07M08-18
Art. PN08 Riduzione Ø8 Reducer Ø8			9.PN.08000
Art. PN09 Tappo Cap		Ø 6	9.PN.09006
		Ø 8	9.PN.09008
Art. PN10 Blocchetto di connessione con innesto rapido - 1/8" Gas Connection block with quick male coupling - 1/8" Gas			9.PN.10000
Art. PN11 Blocchetto di connessione con innesto rapido - 1/8" Gas Connection block with quick male coupling - 1/8" Gas			9.PN.11000
Art. PN12 Blocchetto di connessione con raccordo dritto Connection block with straight male		Ø 6	9.PN.12006
		Ø 8	9.PN.12008
Art. PN13 Attacco rapido femmina per versioni con doppio effetto Female connection for double effect version			9.PN.13000
Art. PN14 Innesto rapido maschio - 1/4" Gas per versioni con doppio effetto Quick male coupling - 1/4" Gas for double effect version			9.PN.14000
Art. PN15 Innesto rapido valvolato maschio - 1/4" Gas per versioni con doppio effetto Quick male valved coupling - 1/4" Gas for double effect version			9.PN.15000

ACCESSORI & RACCORDI PER ZERO POINT
ACCESSORIES & CONNECTIONS FOR ZERO POINT

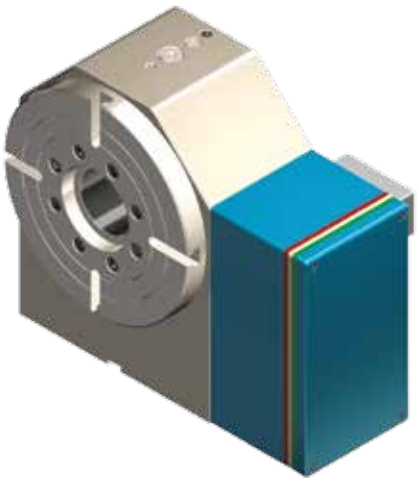
		Cod.
Art. PN18 Valvola pneumatica a 1 via con comando elettrico One way pneumatic valve with electrical control	 Campi di regolazione BAR Setting range BAR 1 - 10	9.PN.18010
	Campi di regolazione BAR Setting range BAR 10 - 25	9.PN.18025
Art. PN20 Valvola pneumatica a 5 vie con comando elettrico Five ways pneumatic valve with electrical control		9.PN.2000/5
Art. PN21 Valvola pneumatica a 3 vie con comando elettrico Three ways pneumatic valve with electrical control		9.PN.2100/3
Art. 9 Tappo teflon con O-Ring Teflon Cap with O-Ring	 Type 1	9.09.10000
	Type 2	9.09.20000
	Type 3	9.09.30000
Art. 665Z Tappo rettificato a filo Zero Point Grinded cap for Zero Point	 Type 1 ☐	8.66.5ZQ10
	Type 2 ☐ ◯	8.66.5ZQ20 / 8.66.5Z200
	Type 3 ◯	8.66.5Z300
Art. 399 Gruppo filtro riduttore più lubrificatore Compressed air preparation unit		4.39.90000
Art. 400 Pedale bistabile Two position foot pedal		4.40.00000
Art. 402 Valvola pneumatica frontale, 2 vie Frontal pneumatic valve, 2 ways		4.40.20000
Art. 402/90 Distributore leva angolare a 90°, 3 vie 90° angular valve, 3 ways		9.40.29000
Art. 408 Moltiplicatore di pressione aria. Completo di manometro e valvola. Il sistema deve utilizzare aria essiccata e lubrificata (Art.399 opzionale) Pressure air multiplier. Complete of pressure gauge and valve. The sytem should be used with dry and lubricated air (option Art.399)		9.40.80000
Art. 8 Spina di precentraggio Precentering Pin		9.08.10000
Art. 297X Tasselli a Gioco Zero per il posizionamento preciso di morse singole su zero point NO-GAP key nuts for accurate single vise positioning on zero point	 	B = 12 - 14 - 16 - 18 - 20 297X1612 / 14 / 16 / 18 / 20
Art.ESTR01 Estrattore per spina di riferimento Zero Point Dowel extractor for Zero Point reference pin		0.ES.TR1540BT

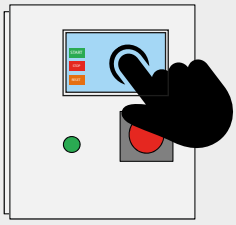
DIVISORE AUTOMATICO DPG 250
AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DPG 250





PROGRAMMAZIONE **TOUCH SCREEN**
FACILE ED INTUITIVA O TRAMITE COLLEGAMENTO DIRETTO AL CNC

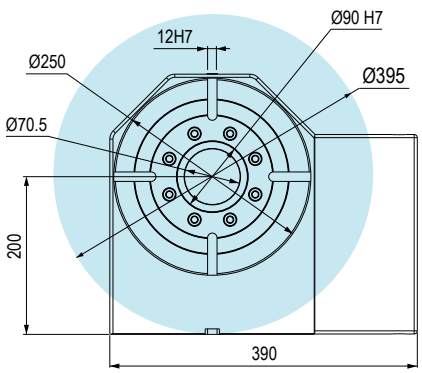
EASY AND INTUITIVE **TOUCH SCREEN**
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

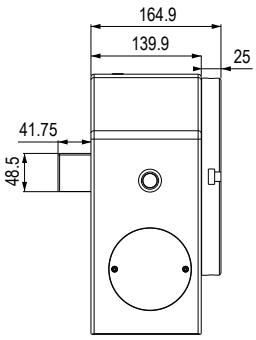
- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento assiale
- Completa tenuta stagna ai liquidi con possibilità di pressurizzazione
- Possibilità di montare motori di tutte le marche
- Dimensioni esterne contenute
- Finestra di controlli liquidi e condensa
- Lavorazione in posizionamento a 360°

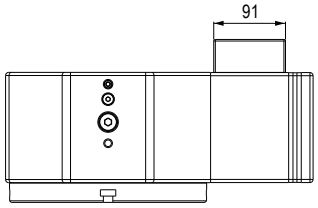
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization
- Possibility to mount motors of all brands
- Reduced external dimensions
- Condensation and liquid control window
- 360° work positioning

Diametro del divisore Dividing head diameter			250 mm
Diametro del foro passante Clearance hole diameter			70,5 mm
Altezza punte Center height			200 mm
Dimensione della scanalatura a T T-Slot width			12 mm
Sistema di bloccaggio Clamping system			Idraulico Hydraulic
Forza frenante Clamping torque			3000 Nm
Motore Servo motor			3000 Max.g/min
Minimo incremento Minimum increment			0,002
Velocità di rotazione Rotation speed			33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)			1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)			1/180
Precisione Indexing accuracy			±10 Sec.
Ripetibilità Repeatability			4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical		Kg.550
	Orizzontale Horizontal		Kg.1500
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head			N 25000
			FxL Nm 1000
			FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical		10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear		698 Nm
Kg			110
Cod.			8.DP.G2500

DPG 250



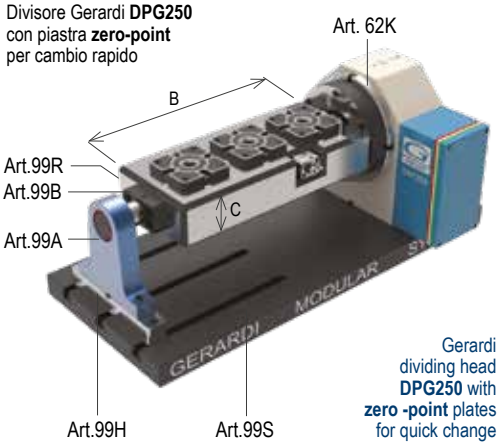




Tipo (grandezza) zero point / Zero point type (size)		2		
Pressione Apertura Zero Point / Zero Point Open pressure	BAR	4 ÷ 7		
	A	400		
	B	600	800	1000
	C	100	100	100
	Cod.	9.DP.G25000	9.DP.G25010	9.DP.G25020

Divisore Gerardi **DPG250** con piastra **zero-point** per cambio rapido

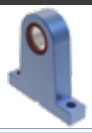
Gerardi dividing head **DPG250** with **zero -point** plates for quick change



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.	7.99.A1000

Art. 99B

Perno di centraggio completo di sistema d'allineamento
Horizontal centering pin with alignement system



Cod.	7.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod.	7.99.H1000

Art. 62K
DPG 250

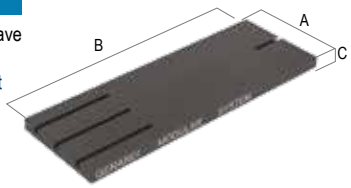
Piastra di interfaccia per cubo Zero Point completa di sistema d'allineamento
Connecting plate with alignement system for Zero Point cube



Cod.	9.62.KDPG250

Art. 99S

Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground

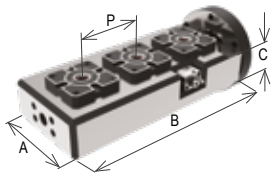


Dimensioni B mm / Dimension B mm	A	C	Kg	Cod.	
900	400	50	141	7.99.S090S	
1100	400	50	172	7.99.S110S	
1300	400	50	-	7.99.S130S	

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm

Art. 99R

Piastra per Zero-Point incassati
Zero-Point built-in plate

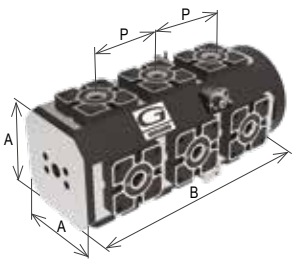


Zero Point INCLUSI
Zero Point units are INCLUDED

Dimensioni B mm / Dimension B mm	A	C	P	Kg	Cod.	
600	220	100	200	103	9.99.R60226	
800	220	100	200	138	9.99.R80226	
1000	220	100	200	172	9.99.R100226	

Art. 99Q

Cubo portapezzi per Zero-Point incassati
Tombstones with built-in Zero-Point



Zero Point INCLUSI
Zero Point units are INCLUDED

Dimensioni B mm / Dimension B mm	A	P	Kg	Cod.	
600	220	200	227	9.99.Q602212	
800	220	200	303	9.99.Q802212	
1000	220	200	378	9.99.Q1002212	

Per soluzioni alternative a quelle standard contattare il nostro ufficio tecnico
For alternative solutions please contact our technical department

9

DIVISORE MECCANICO DIVIGER 205
MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DIVIGER 205



Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Cleareance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione Indexing accuracy	±10 Sec.
Coppia in lavoro Driving torque	3000 Nm
Kg	93
Cod.	7.66.73000

DIVISORE MECCANICO, SENZA CAVI O IDRAULICA, PERMACCHINE A CNC

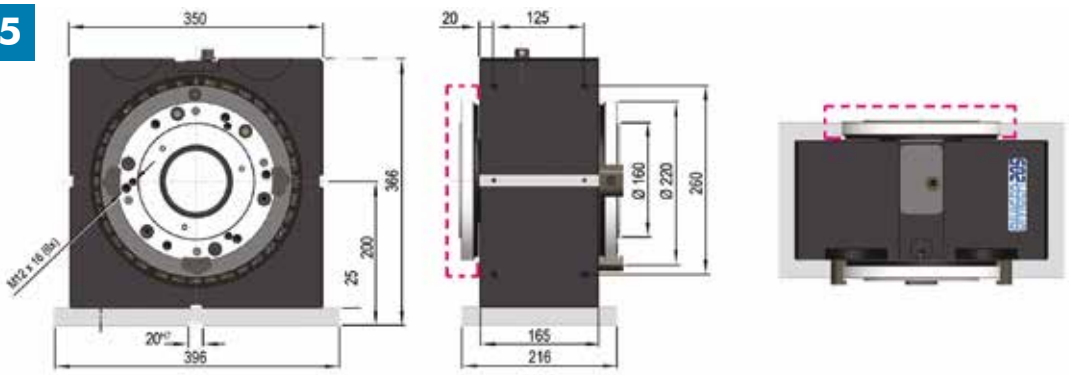
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES OR HYDRAULIC, FOR CNC MILLING MACHINE

- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta
- Lavorazione a barra grazie al mandrino cavo
- Utilizzabile orizzontalmente o verticalmente
- Cambio tramite serraggio a cuneo

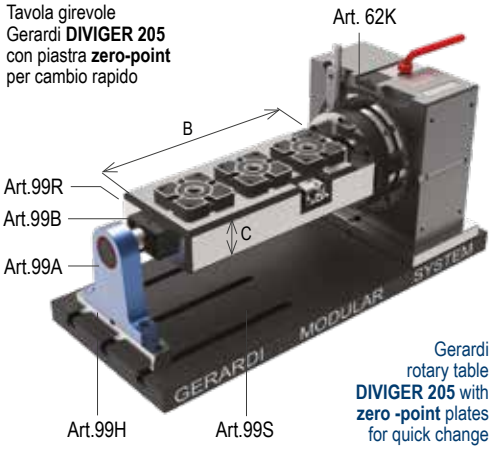
- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due to hollow spindle
- To be used horizontaly or vertically
- Quick change through wedge clamping



DIVIGER 205



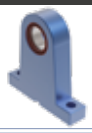
Tipo (grandezza) zero point / Zero point type (size)		2		
Pressione Apertura Zero Point / Zero Point Open pressure	BAR	4 ÷ 7		
Tavola girevole Gerardi **DIVIGER 205** con piastra **zero-point** per cambio rapido Gerardi rotary table **DIVIGER 205** with **zero -point** plates for quick change	A	400		
	B	600	800	1000
	C	100	100	100
	Cod.	9.DI.V20500	9.DI.V20510	9.DI.V20520



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.	7.99.A1000

Art. 99B

Perno di centraggio completo di sistema d'allineamento
Horizontal centering pin with alignement system



Cod.	7.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod.	7.99.H1000

Art. 62K
DIVIGER 205

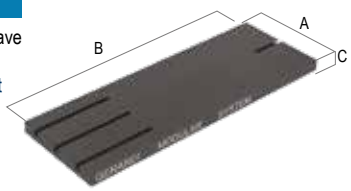
Piastra di interfaccia per cubo Zero Point completa di sistema d'allineamento
Connecting plate with alignement system for Zero Point cube



Cod.	9.62.KDIV205

Art. 99S

Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground

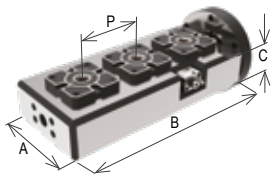


Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	
900	400	50	141	7.99.S090S	
1100	400	50	172	7.99.S110S	
1300	400	50	-	7.99.S130S	

Disponibili quote "**B**" a step di 50mm - Available dimension "**B**" in steps of 50mm

Art. 99R

Piastra per Zero-Point incassati
Zero-Point built-in plate

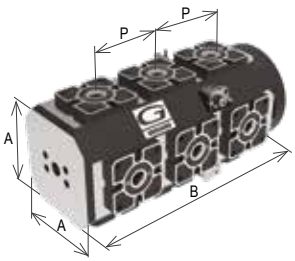


Zero Point INCLUSI
Zero Point units are INCLUDED

Dimensioni B mm Dimension B mm	A	C	P	Kg	Cod.	
600	220	100	200	103	9.99.R60226	
800	220	100	200	138	9.99.R80226	
1000	220	100	200	172	9.99.R100226	

Art. 99Q

Cubo portapezzi per Zero-Point incassati
Tombstones with built-in Zero-Point



Zero Point INCLUSI
Zero Point units are INCLUDED

Dimensioni B mm Dimension B mm	A	P	Kg	Cod.	
600	220	200	227	9.99.Q602212	
800	220	200	303	9.99.Q802212	
1000	220	200	378	9.99.Q1002212	

Per soluzioni alternative a quelle standard contattare il nostro ufficio tecnico
For alternative solutions please contact our technical department

9

PRINCIPIO DI FUNZIONAMENTO
FUNCTIONING PRINCIPLES

Libretto Istruzioni / Instruction Book

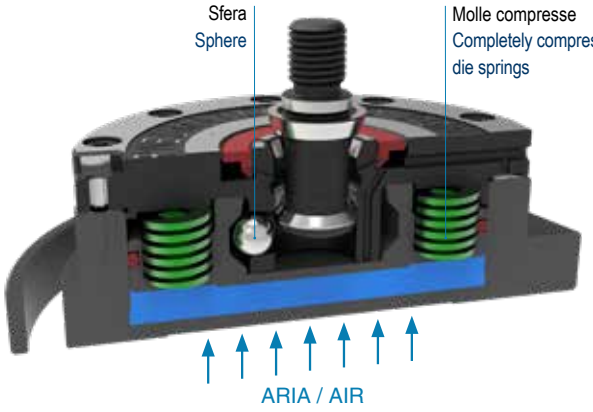
Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

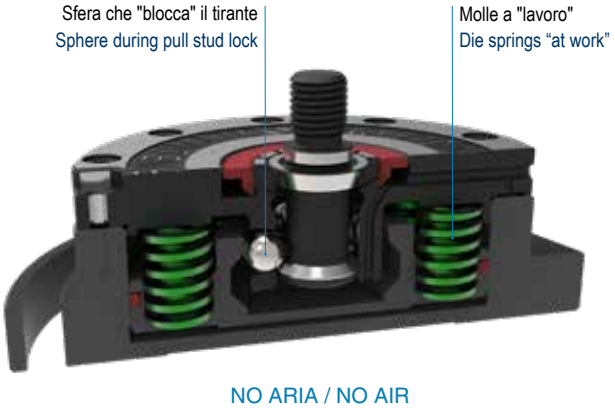
Lo Zero Point è un sistema "normalmente chiuso", utilizza molle da stampi che permettono il bloccaggio del tirante mediante le sfere poste all' interno dello stesso.
Mediante l'utilizzo di aria compressa, filtrata e lubrificata, il pistone comprimerà le molle permettendo alle sfere di portarsi all'esterno liberando il tirante (Fig. 1). Una volta posizionata la propria attrezzatura sopra allo Zero Point, rimossa l'adduzione dell'aria, le molle entreranno in una fase di lavoro, spingeranno il pistone verso il basso e di conseguenza riporteranno le sfere a contatto sul tirante bloccandolo in modo irreversibile (Fig. 2).

The Zero Point is a "usually closed" system and it is provided with die springs to block the tie rod by means of spheres placed inside.
The piston can compress the springs under compressed, filtered and lubricated air action and the spheres move, releasing the tie rod (Fig. 1). After positioning the tools on the Zero Point and interrupting the air pipeline, the springs will start pressing the piston downward, making the spheres go back in contact with the tie rod, locking it irreversibly (Fig. 2).

ZERO POINT APERTO
OPEN ZERO POINT



ZERO POINT CHIUSO
CLOSED ZERO POINT



MONTAGGIO E SMONTAGGIO
ASSEMBLING AND DISASSEMBLING

Per lo smontaggio di ogni elemento del modulo Zero Point procedere come segue:
- Togliere il tirante (3) dalla sua sede
- Tenere almeno 2 viti (9) e svitarle gradualmente così da evitare la proiezione del corpo (1) precaricato dalle molle (8)
- Estrarre il corpo Zero Point (1) e le molle per stampi (8) - Utilizzare i 2 fori filettati posti sul pistone (2) per estrarlo dalla sua sede.
- Lavare e lubrificare tutti i particolari.

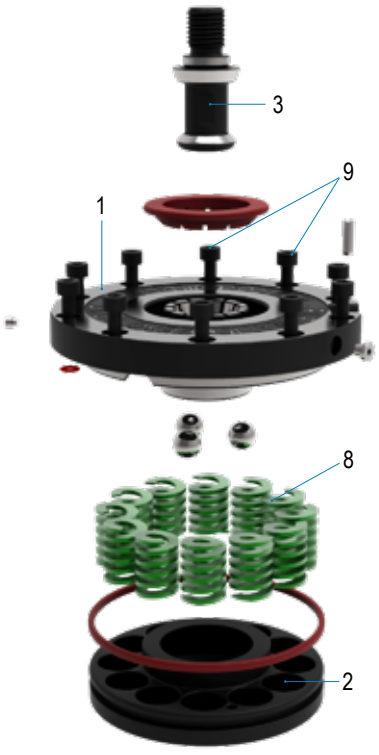
In caso di necessità è possibile smontare tutto il modulo Zero Point dalla sua sede ed è necessario procedere come segue:
- Inserire il tirante (3) dalla sua sede e bloccarlo - Svitare completamente tutte le viti (9)
- Estrarre il modulo completo con l'ausilio del tirante.

Si consiglia di sostituire tutte le guarnizioni mediante gli appositi kit prima di procedere al montaggio del modulo Zero Point.
Procedere al montaggio dell'unità o dei singoli articoli in senso inverso, prestando attenzione a non rovinare le guarnizioni.

To disassemble each Zero Point module, please comply with following procedure:
- Remove the tie rod (3) from its position
- Keep at least 2 screws (9), unscrewing them progressively to avoid the piece (1) to be ejected by the springs (8) effect
- Extract the Zero Point body (1) and the die springs (8) - Extract the piston (2) from its position using the 2 threaded holes
- Wash and lubricate all the components

If needed, to take down the whole Zero Point module from its position, the procedure is as follows:
- Insert the tie rod (3) from its position and lock it - Unscrew totally all the screws (9) - Extract the whole module using the tie rod
Before reassembling the Zero Point module, we suggest to replace all the seals provided with specific kit.

While reassembling the module or the single components, please pay attention not to damage the seals and then check that the positioning tolerances have been restored as they were in the system original conditions.





10

Combined force

MAGNETIC PLATES

Sistema di fissaggio / *Fixing System*

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SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

PIANI MAGNETICI MAGNETIC PLATES						 Piano elettropermanente Electro-permanent chuck
POSSIBILITÀ POSSIBILITY						 Derivazioni e collegamenti Shunt and connections
PAGINE PAGES					 Accessori & Ricambi Accessories & Spare Parts	 Istruzioni corretto utilizzo Instruction for a proper use

Piani Magnetici - Magnetic plates

MAGNETIC PLATES

Un sistema elettropermanente ideale per per operazioni di fresatura

An electro-permanent system ideal for milling operations

CARATTERISTICHE & VANTAGGI

- √ **ELEVATO RISPARMIO ENERGETICO**
- √ **MASSIMA SICUREZZA**
- √ **IMMEDIATO CARICO E SCARICO DEL PEZZO**
- √ **BLOCCAGGIO UNIFORME**
- √ **NESSUN INGOMBRO SUL PIANO DI LAVORO**
- √ **FACILE DA USARE**
- √ **ELIMINAZIONE DI VIBRAZIONI DURANTE LA LAVORAZIONE**
- √ **MIGLIORA IL GRADO DI FINITURA**
- √ **RIDUCE IL CONSUMO DEGLI UTENSILI**
- √ **MANUTENZIONE RIDOTTA RISPETTO AI SISTEMI CONVENZIONALI**

TECHNICAL FEATURES & ADVANTAGES

- √ ENERGY SAVING
- √ MAXIMUM SAFETY
- √ QUICK WORKPIECE SETUP AND REMOVAL
- √ UNIFORM CLAMPING
- √ TOTALLY FREE WORKING SURFACE
- √ EASY TO USE
- √ ELIMINATION OF MACHINING VIBRATIONS
- √ BETTER FINISHING GRADE
- √ REDUCED TOOLS CONSUMPTION
- √ LITTLE MAINTENANCE COMPARED TO CONVENTIONAL CLAMPING SYSTEMS

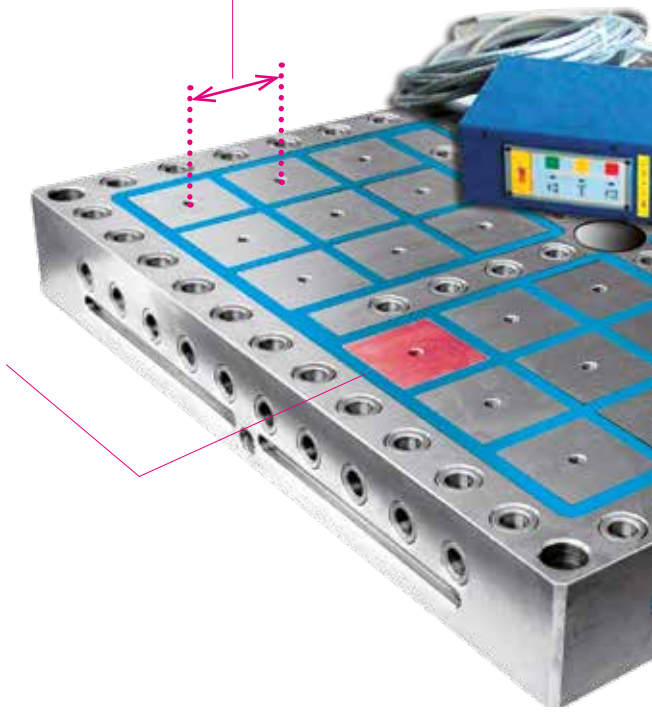


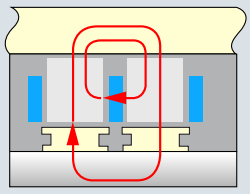
Passo polare

Pole pitch

Il vero motivo che deve portare a scegliere un piano magnetico piuttosto che un altro è rappresentato dal passo polare ideale per la lavorazione in questione. Individuare insieme, in un analisi semplice ma efficace, il piano ideale per eseguire una gamma di lavorazioni richieste, è sicuramente l'approccio vincente per un giusto acquisto.

The true reason why we must come to the choice of one magnetic chuck rather than another is represented by the ideal ploe pitch for the machining at hand.The winning approach to the right buy is to determine together and with simple and efficient analysis the ideal chuck for executing a range of required machining operations..



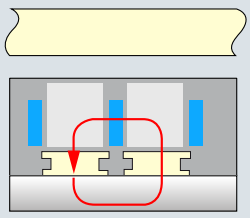


Magnetizzazione

Magnetization

Il magnetismo viene generato sulla superficie di lavoro attraverso il polo quadrato. L'alternanza di poli positivi e negativi vicini genera un campo magnetico che attira e trattiene il pezzo da lavorare.

Magnetism of the strong permanent magnet applied to the upper surface of the chuck through he square pole. With the N/S pole salternately arranged, a magnetic field is generated between the adiacent poles and which securely holds workpiece.



Smagnetizzazione

Demagnetization

Sotto il polo quadro vi è un magnete a polarità reversibile. Attraverso una scarica elettrica generata dalla bobina intorno al magnete reversibile la polarità viene invertita. Questa operazione permette di far chiudere il campo magnetico tra due poli all'interno del piano magnetico estinguendo la forza magnetica sulla sua superficie permettendo così il rilascio del pezzo.

On the bottom of the square pale, a reversible magnet is fixed. Sending electric current through the coil of the magnet, the polarity of the reversible magnet is inverted. This operation converges the magnetism of the permanent magnet to extinguish the magnetic field on the upper surface of the chuck and releases the workpiece.

Molti clienti pensano che la scelta di un piano magnetico sia semplice e quasi esclusivamente legata alla potenza che esso può generare in senso assoluto durante la fase di lavoro. In realtà la nostra esperienza dice che non è così. Spesso succede che il piano magnetico di grande potenza si rilevi inadeguato a lavorazioni di basse asportazioni perchè effettuate su pezzi molto piccoli o sottili. Il fatto è che il campo magnetico è performante solo quando il flusso si concentra il più possibile nel pezzo da trattenere. Se la potenza magnetica, per ragioni di profondità di campo, supera lo spessore del pezzo, si riduce e può diventare insufficente ai fini della lavorazione.

Many cutomers hink that choosing a magnetic chuck is simple and almost exclusively tied to the absolute power that it can generate during the working phase.Our experience says that really it is not so.Often a power magnetic chick is inadequate for machining with little removals because they are made on very tiny and thin pieces.The fact is that the magnetic tield performs only when the flux is concentrated on the piece to be held. If the magnetic power, for reason of field depth, exceeds the thickness of the piece, it will decrease and may become inadequate for machining. tiltered and lubricated compressed air enables the release only so there is no need to keep pipes connected constantly to the fixture.

SCAN IT TO WATCH THE
VIDEO PRESENTATION

1 YEAR WARRANTY

Drastica riduzione degli scarti
High scraps reduction

Una forza combinata
A combined force

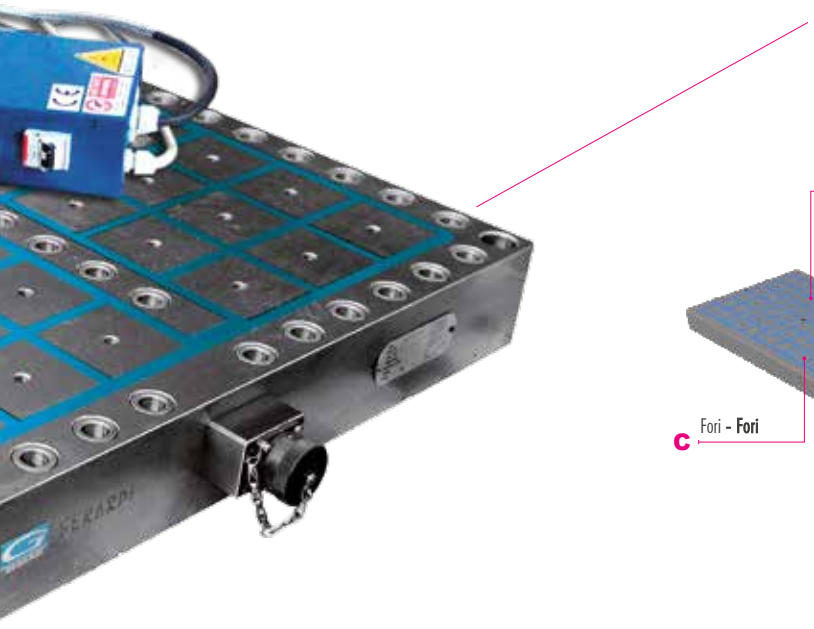
La forza combinata è quel valore determinato dalla relazione tra la forza di strappo e la forza di scivolamento del pezzo dal piano magnetico. Per esperienza aggiungiamo che nel calcolare questo valore combinato riteniamo molto più importante la forza di scivolamento rispetto a quella di strappo in quanto la fresatura, causa in primo luogo una azione di translazione del pezzo e successivamente il suo sollevamento. L'esperienza nei test ci permette di ritenere che il valore di scivolamento vale cinque volte più di quello di strappo.

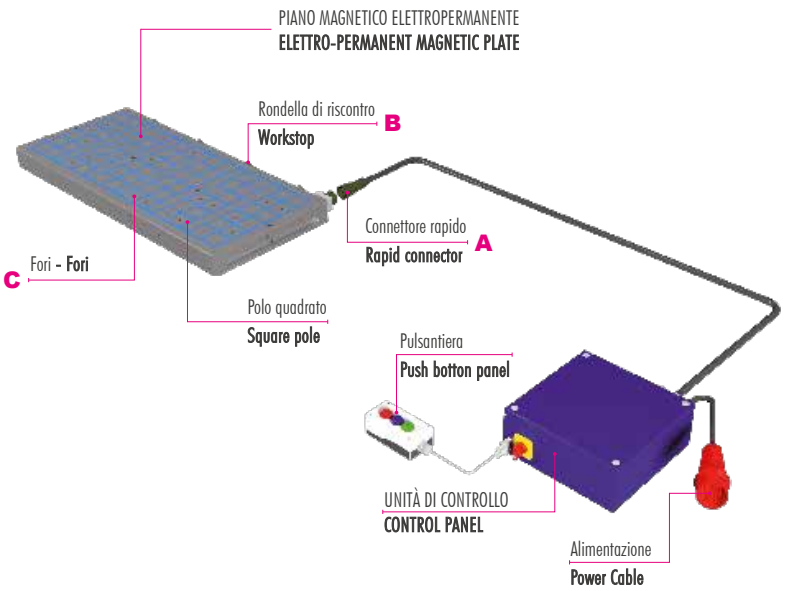
The combined force is the value determined by the relation berween tearing force and sliding force of the piece from the magnetic chuck. By experience, we add here that in calculating this value we think the sliding force more important than the tearing force because the milling operation tries sliding the piece before lifting it. Our testing experience allows us to state that sliding value is five times higher that the tearing one.

Lunga durata nel tempo
Long life of Magnetic Plate

La struttura del piano è realizzata interamente in monoblocco (scavato nel piano) mentre le parti magnetiche e di sbobinatura vengono assemblate sotto un controllo di processo evoluto ed automatizzato. L'operazione di resinatura viene eseguita con procedimento sottovuoto, garantendo così un isolamento ed una vita magnetica al prodotto che non ha pari sul mercato attuale. Il piano magnetico viene fornito con un connettore rapido a tenuta stagna A e tappo di chiusura per la fase di lavoro, rondelle di riscontro B per la battuta del pezzo, fori nei poli C per il montaggio delle espansioni polari fisse e mobili. Per il fissaggio del piano magnetico esistono delle cave laterali con eventuali fori passanti nelle zone non magnetiche, che la GERARDI esegue su richiesta del cliente.

The chuck structure is a whole monoblock (dug from a solid) while the magnetic and reeling parts are assembled under the supervision of an advanced and automated process. The resin treatment operation is done under vacuum to guarantee an insulation and a magnetic life of the product that is unmatched in today's market. A quick waterproof connector A is supplied with a closing cap for the working plates, worl-stop B for the part's ledge, holes in the poles C for mounting the fixed or mobile shoes.
On request, GERARDI will bore internal later slots with possible through holes to the non-magnetic zones to fix the magnetic chuck.



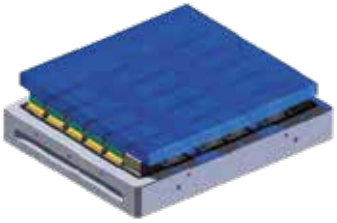


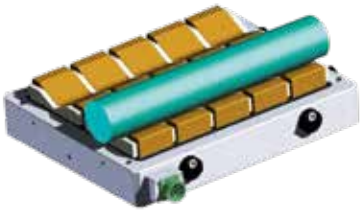
Espansioni polari / *Polar chucks*

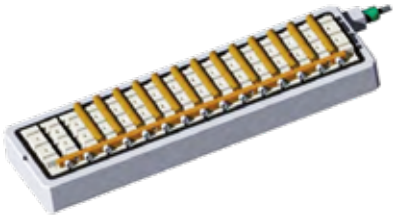
Magnetic plates

Le espansioni polari

Pole shoes







Uno dei motivi che rende il piano magnetico a polo quadro estremamente versatile è la possibilità di applicare ai poli quadri delle ESPANSIONI POLARI in modo semplice ed efficace. Questo accorgimento magnetico permette di trasmettere il flusso magnetico nella zona desiderata o di alzare il pezzo in lavorazione dalla superficie del piano magnetico permettendo rapide operazioni di contornatura, foratura, smussatura etc.. senza rovinare la superficie magnetica del piano. Sia nella versione fissa che in quella mobile, le espansioni polari sono prodotte in acciaio dolce ad alta permeabilità magnetica così da permettere un' ottima trasmissione del flusso magnetico.

One of the reasons that makes the magnetic chuck extremely versatile is the possbility of applying in a simply and effective way POLE SHOES to its poles. This magnetic solution enables the trasmission of the magnetic flux to the desired area or the lifting of the work plate from the magnetic chuck surface. The pole shoes are made of high magnetic permeability soft steel for both fixed and mobile versions in order to allow an optimal trasmission of magnetic flux.

Le espansioni polari FISSE

FIXED pole shoes

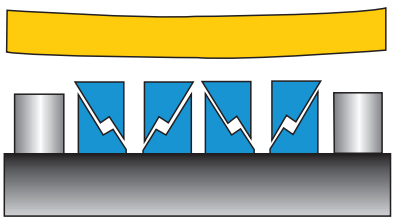
Le espansioni polari fisse, disponibili in diverse dimensioni e dotate di vite, garantiscono che la superficie del modulo magnetico supporti in maniera precisa il pezzo in lavorazione. Questo le rende perfette per la lavorazione di pezzi lisci o prelavorati. Migliorano notevolmente lo spazio di manovra per la macchina, per esempio in caso di lavorazioni di contornatura e forature passanti.
L'espansione è progettata per assicurare che la trasmissione del flusso da piano a superficie di bloccaggio avvenga con minima perdita, permettendo il bloccaggio in sicurezza anche di pezzi complessi.

Fixed pole extensions, available in various sizes and equipped with screws, ensure a precise support of the work-piece on the surface of the magnetic module. This makes it perfect for processing machining smooth or preprocessed machined work-pieces. They significantly improve the operating space for the machine, for example in the case of contouring and through-hole drilling operations. The extension is designed to ensure that the flux transmission from floor the chuck to the clamping surface takes place with minimum loss, to thus ensuring the safe clamping even of more complex work-pieces.

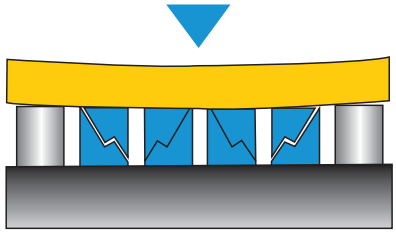
Le espansioni polari MOBILI

MOBILE pole shoes

E' un tipo di espansione che, attraverso lo scorrimento di due cunei e la spinta di molle inserite nel prodotto, consente di adattare l'altezza della superficie di lavoro alla deformazione del pezzo da lavorare. Un esempio pratico rende la comprensione dell' oggetto molto più semplice. Quando ci troviamo a dover spianare una piastra grezza e deformata (imbarcata), la potenza magnetica che esercitiamo per trattenerla tende a raddrizzare la superficie con la conseguenza che, terminato il lavoro e smagnetizzato il piano, la piastra torna ad essere deformata (un effetto elastico di ritorno). Attraverso l' utilizzo delle espansioni mobili e livellanti è possibile adattarsi alla piastra nella sua deformazione, bloccarla durante la prima fase di spianatura e raddrizzatura e, una volta ruotata per la seconda lavorazione, ottenere una finitura di qualità eccellente: in alcuni casi si può eliminare la successiva operazione di finitura con rettifica. Importante è che la piastra appoggi sempre almeno su tre punti fissi oppurtunamente stabiliti che faranno da costante riferimento di planarità della piastra.



They are the kind of shoes that allow the height adjustment of the working surface to the deformation of workpiece, utilizing the sliding of two wedges and the thrust of springs inserted in the product. A pratical example will make a much easier understanding of the product. When we have to surface a rough and deformed (warped) plate, the magnetic force applied to hold the piece tends to straighten the surface with the result that at the end of work and when the cuck is demagnetized, the plate will return to its warped state (a spring back effect). By using mobile and levelling shoes. It is possible to adapt to the plate's deformation, to hold it during the first flattening and straightening phase, to obtain an excellent finishing: thus eliminating, for certain machining, the subsequent finish-grinding processing. The plate must be rested on at least three convenienty chosen fixed points that will be the constant polarity reference of the plate.

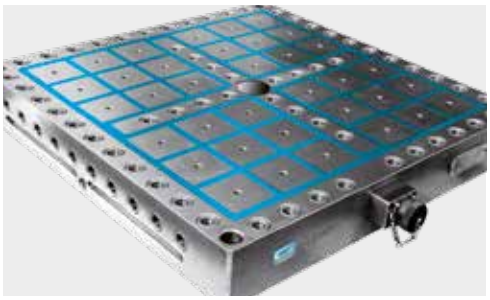


Soluzioni personalizzate / *Customized solutions*

Magnetic plates

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

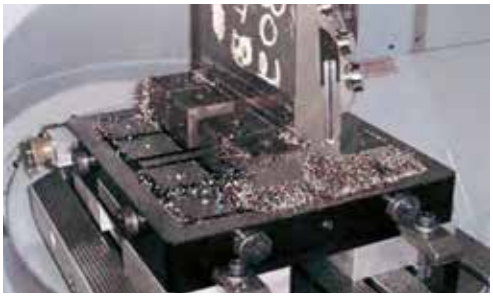


Piano magnetico

Magnetic plates

Piano magnetico realizzato con bussole ed helicoils

Precision Modular vises matchable for gang operations and Pneumohydraulic clamping (StandardMatic series)

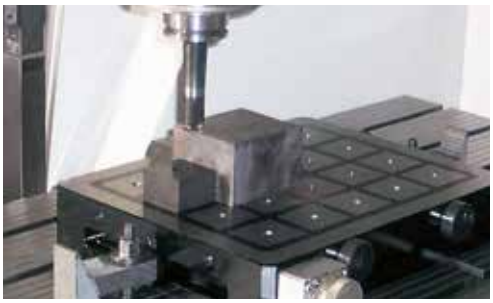


Espansioni polari

Pole chucks

Consente di adattare l'altezza della superficie di lavoro alla deformazione del pezzo da lavorare.

Possbility of applying in a simply and effective way POLE SHOES to its square poles.



Asportazioni di fresatura

Milling operations

L' unico piano magnetico che non perde forza quando il pezzo viene lavorato a distanza dal piano.

This is th only magnetic chuck that will not loose force when the part is machines at a distance from the magnetc chuck.



MillTecZero

MillTecZero

Circuito magnetico elettropermanente con sistema Zero point integrato

Magnetic electro-permanent circuit, with integrated Zero Point system



Espansioni polari mobili

Mobile pole chucks

Ampia zona di ancoraggio flessibile in funzione alla morfologia dei particolari

Wide flexible clamping area according to the workpiece to be clamped

UNITÀ DI CONTROLLO / MICROPROCESSOR CONTROLLER

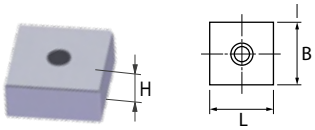
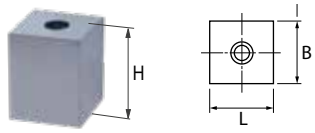
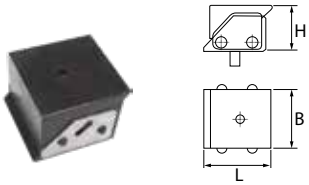
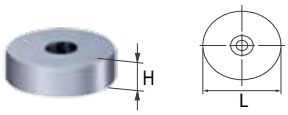
È fornita nella versione semplice e prevede una pulsantiera per la magnetizzazione e smagnetizzazione del piano magnetico montata direttamente sull'unità. Il fissaggio dell'unità è facilitato dalla gomma magnetica applicata su un lato del box esterno

Comes in the basic version and includes a push-button panel directly instelled on the unit for magnetizing and demagnetizing the magnetic chuck. The mounting of the unit is made easy by the magnetic rubber applied on one side of the external box.

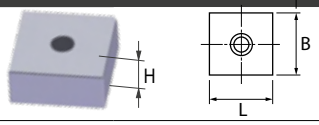
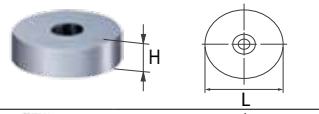
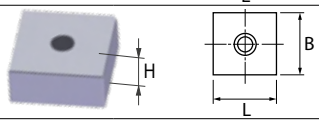
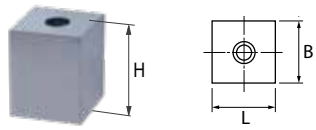
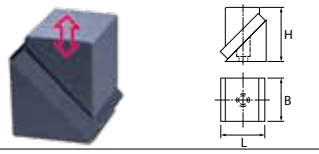
Immagine - Image		**Cod.**
	**Art. 89A*** **UNITÀ MONOCANALE** SINGLE CHANNEL UNIT Unità di controllo 1 canale con 1 cavo 4 PIN e pulsantiera Control unit 1 channel with 1 cable 4 PIN and remote È la singola unità che viene normalmente venduta in dotazione ad un piano magnetico standard a poli quadri. This is a single unit that is normally sold with a standard square pole magnetic chuck	8.89.A00001
	**Art. 89B*** **UNITÀ BICANALE** DOUBLE CHANNEL UNIT Unità di controllo 2 canali con 2 cavi 4 PIN, selettore e pulsantiera Control unit 2 channels with 2 cables 4 PIN, selection and remote	8.89.B00002
	**Art. 89C*** **UNITÀ DI CONTROLLO MULTICANALE** MULTI CHANNEL UNIT Unità di controllo 4 canali con 4 cavi 4 PIN, selettore e pulsantiera Control unit 4 channels with 4 cables 4 PIN, selection and remote Quando acquistando più piani magnetici sulla stessa macchina, si desideri pilotarli nei modi piu liberi (anche per il singolo piano qualora si voglia pilotarlo come più piani contemporaneamente). Having several magnetic chucks for the same machine, you can control them independently (also for a single large chuck to be controlled as several different chucks)	8.89.C00004

* Ciscuna Unità di controllo presenta le abilitazioni di consenso macchina (Il centro di lavoro non inizia il ciclo produttivo se il piano non è magnetizzato).
Each Microprocessor controller is provided with enabling consent for the machining center (machining cycle doesn't start if the magnetic plate isn't magnetized)

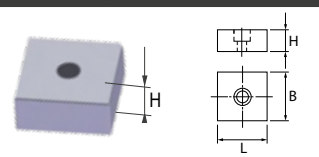
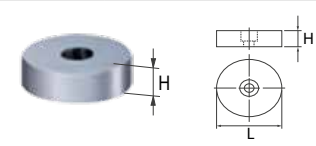
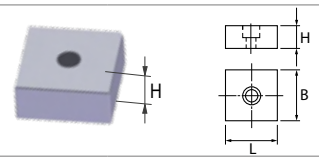
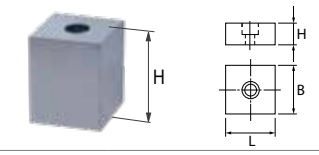
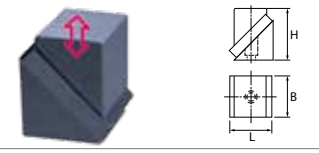
ESPANSIONI POLARI - MISURA 32 / CHUCK SHOES - SIZE 32

Tipo (grandezza) / type (size)		L	B	H	Cod.
Art. 88A Tipo 1 - Type 1 Lavorabile Machineable		30	30	15	8.88.A1000
Art. 88B Tipo 1 - Type 1 Lavorabile Machineable		30	30	23	8.88.B1000
Art. 88C Tipo 1 - Type 1		29	31,5	23	8.88.C1000
Art. 88D Tipo 1 - Type 1 Lavorabile Machineable		Ø 55	-	10	8.88.D1000

ESPANSIONI POLARI - MISURA 50 / CHUCK SHOES - SIZE 50

Tipo (grandezza) / type (size)		L	B	H	Cod.
Art. 88A Tipo 2 - Type 2 Lavorabile Machineable		45	45	20	8.88.A2001
Art. 88C Tipo 2 - Type 2		47	45	32	8.88.C2001
Art. 88D Tipo 2 - Type 2 Lavorabile Machineable		Ø 55	-	15	8.88.D2000
Art. 88A Tipo 2 - Type 2 Lavorabile Machineable		50	50	32	8.88.A2002
Art. 88B Tipo 2 - Type 2 Lavorabile Machineable		45	45	54	8.88.B2002
Art. 88C Tipo 2 - Type 2		47	45	54	8.88.C2002

ESPANSIONI POLARI - MISURA 70 / CHUCK SHOES - SIZE 70

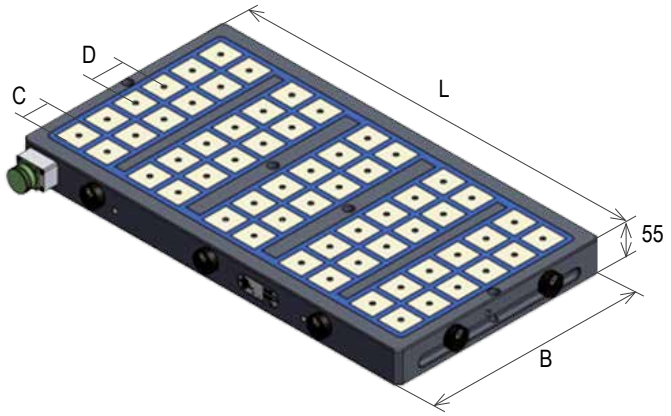
Tipo (grandezza) / type (size)		L	B	H	Cod.
Art. 88A Tipo 3 - Type 3 Lavorabile Machineable		70	70	30	8.88.A3001
Art. 88C Tipo 3 - Type 3		70	70	47	8.88.C3001
Art. 88D Tipo 3 - Type 3 Lavorabile Machineable		Ø80	-	15	8.88.D3000
Art. 88A Tipo 3 - Type 3 Lavorabile Machineable		70	70	47	8.88.A3002
Art. 88B Tipo 3 - Type 3 Lavorabile Machineable		70	70	70	8.88.B3002
Art. 88C Tipo 3 - Type 3		70	70	70	8.88.C3002

PIANO ELETTROPERMANENTE
ELECTRO-PERMANENT CHUCK

Art. 88

Tipo 1 - Type 1

Massima performance a 8mm di altezza
Max performance at 8mm height



Piano elettropermanente per asportazioni in fresatura con pezzi di basso spessore

Un piano magnetico particolarmente consigliato per lavorazioni di fresatura non pesanti che si effettuano su pezzi di piccole dimensioni o basso spessore. Il grip elevato nei primi millimetri del pezzo rappresentano la grande novità del prodotto unica sul nostro mercato.

Electro-permanent chuck for milling with low thickness work-pieces

This is a magnetic chuck especially recommended for non-heavy milling operations done on small or low thickness parts.
The high grip on the first millimetres of the part represent the big novelty of the product that is unique in our market.

B	C	D	L	Poli Poles	Forza di serraggio Clamping force (kN)	Kg	Cod.
150	32	37	315	24	26	20	8.88.11530
315	32	37	315	49	54	40	8.88.13030
200	32	37	430	40	44	35	8.88.12040
430	32	37	430	100	110	70	8.88.14040
315	32	37	600	98	108	73	8.88.13060
430	32	37	600	140	154	98	8.88.14060

Caratteristiche tecniche
Technical features

- Polo magnetico / Magnetic chuck
  32 x 32 mm

- Passo polare / Pole pitch
  37 mm

- Foro nel polo / Hole in the chuck
  M6 x 12 mm utili

- Forza in Gauss / Gauss force
  5000 gap 1.5 mm

- Forza polare verticale
- Vertical chuck force
  daN 120

- Forza polare in strisciamento
- Sliding chuck force
  daN 20

- Spessore minimo consigliato
- Minimum suggested thickness
  4 mm

- Spessore massima prestazione
- Maximum performance thickness
  8 mm

- Dimensione pezzo minimo
- Min piece size
  16 cm^2
  (4 cm x 4 cm)

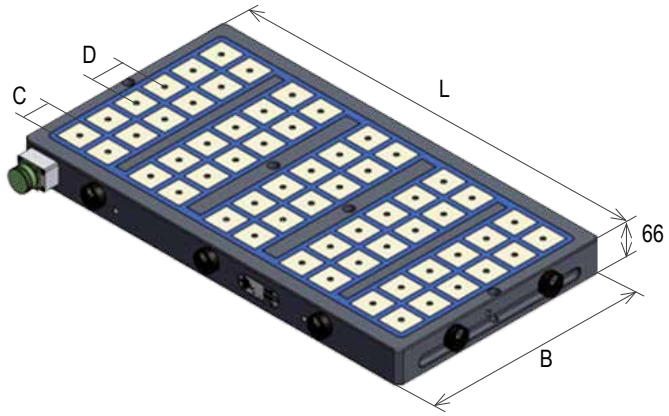
- Perdita di forza in lavoro con espansioni fisse
- Clamping force reduction by using chuck shoes
  H= 20mm
  25%

PIANO ELETTROPERMANENTE
ELECTRO-PERMANENT CHUCK

Art. 88

Tipo 2 - Type 2

Massima performance a 40mm di altezza
Max performance at 40mm height



B	C	D	L	Poli Poles	Forza di serraggio Clamping force (kN)	Kg	Cod.	
315	50	60	315	16	63	50	8.88.23030	
315	50	60	430	24	94	65	8.88.23040	
315	50	60	500	24	94	75	8.88.23050	
315	50	60	600	32	126	95	8.88.23060	
430	50	60	430	36	141	85	8.88.24040	
430	50	60	600	48	188	120	8.88.24060	
430	50	60	800	60	236	160	8.88.24080	
430	50	60	1000	72	295	200	8.88.24010	
500	50	60	500	42	165	115	8.88.25050	
500	50	60	600	56	220	145	8.88.25060	
500	50	60	800	70	275	180	8.88.25080	
500	50	60	1000	84	330	230	8.88.25010	
600	50	60	600	64	251	165	8.88.26060	
600	50	60	800	80	314	220	8.88.26080	
600	50	60	1000	96	377	270	8.88.26010	

Piano elettropermanente per asportazioni in fresatura con pezzi di spessore medio-basso

Il piano magnetico più versatile della gemma GERARDI. Produce un ottimo rapporto tra la forza espressa e le condizioni di spessore e dimensioni pezzo particolari. Lavora benissimo anche con espansioni a distanza ed il grip in fase di contornatura sotto alcuni punti di vista è addirittura eccezionale.

Electro-permanent chuck for milling with medium-low thickness work-pieces

It produces an optimum ratio between the expressed force and the particular thicknesses and size of the piece. It works well even with remote shoes, and the grip during the countouring phase is excellent.

Caratteristiche tecniche
Technical features

- Polo magnetico / Magnetic chuck
  50 x 50 mm

- Passo polare / Pole pitch
  60 mm

- Foro nel polo / Hole in the chuck
  M8 x 12 mm utili

- Forza in Gauss / Gauss force
  6800 gap 1.5 mm

- Forza polare verticale
- Vertical chuck force
  daN 400

- Forza polare in strisciamento
- Sliding chuck force
  daN 80

- Spessore minimo consigliato
- Minimum suggested thickness
  8 mm

- Spessore massima prestazione
- Maximum performance thickness
  40 mm

- Dimensione pezzo minimo
- Min piece size
  100 cm^2
  (10 cm x 10 cm)

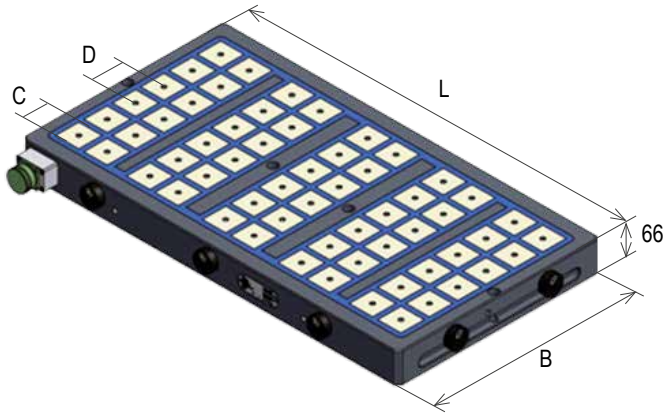
- Perdita di forza in lavoro con espansioni fisse
- Clamping force reduction by using chuck shoes
  H= 30 mm
  25%

PIANO ELETTROPERMANENTE
ELECTRO-PERMANENT CHUCK

Art. 88

Tipo 3 - Type 3

Massima performance a 40mm di altezza
Max performance at 40mm height



B	C	D	L	Poli Poles	Forza di serraggio Clamping force (kN)	Kg	Cod.	
315	70	80	600	18	139	86	8.88.33060	
315	70	80	800	24	185	120	8.88.33080	
430	70	80	430	16	123	85	8.88.34040	
430	70	80	600	24	185	120	8.88.34060	
430	70	80	800	32	246	160	8.88.34080	
430	70	80	1000	40	308	200	8.88.34010	
500	70	80	500	25	193	115	8.88.35050	
500	70	80	800	40	308	180	8.88.35080	
500	70	80	1000	50	385	230	8.88.35010	
600	70	80	600	36	277	165	8.88.36060	
600	70	80	800	48	370	220	8.88.36080	
600	70	80	1000	60	462	275	8.88.36010	
600	70	80	1200	72	554	330	8.88.36012	

Per asportazioni in fresatura con pezzi di spessore medio-alto

Il piano magnetico più utilizzato. La grande forza magnetica che esercita soprattutto nella fase di lavoro con appoggio del pezzo direttamente sul piano magnetico, ci permette di affermare che ogni potenza della macchina in uso riesce ad esprimersi al massimo senza alcun problema di spostamento del pezzo.

For milling with medium-high thickness work-pieces

This is the most used magnetic chuck.
The great magnetic force exercised during the working phase laying the part directly on the magnetic chuck allows us the state that every machine power being used is expressing its maximum without any problem of moving the part.

Caratteristiche tecniche
Technical features

- Polo magnetico / Magnetic chuck
  70 x 70 mm

- Passo polare / Pole pitch
  80 mm

- Foro nel polo / Hole in the chuck
  M10 x 12 mm utili

- Forza in Gauss / Gauss force
  7500 gap 1.5 mm

- Forza polare verticale
- Vertical chuck force
  daN 785

- Forza polare in strisciamento
- Sliding chuck force
  daN 180

- Spessore minimo consigliato
- Minimum suggested thickness
  20 mm

- Spessore massima prestazione
- Maximum performance thickness
  40 mm

- Dimensione pezzo minimo
- Min piece size
  200 cm^2
  (14 cm x 14 cm)

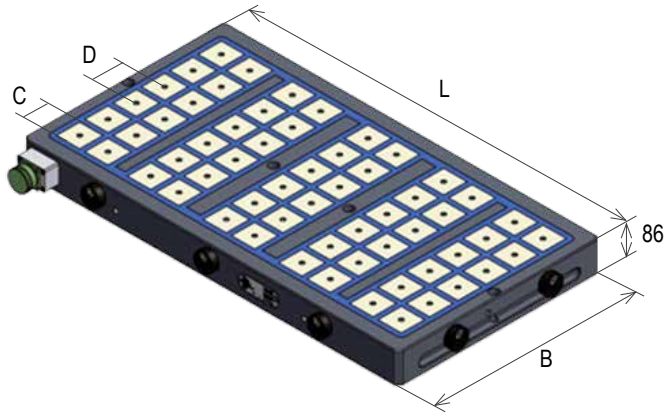
- Perdita di forza in lavoro con espansioni fisse
- Clamping force reduction by using chuck shoes
  H= 30 mm
  15%

PIANO ELETTROPERMANENTE
ELECTRO-PERMANENT CHUCK

Art. 88

Tipo 4 - Type 4

Massima performance a 40mm di altezza
Max performance at 40mm height



Per grandi asportazioni in fresatura con utilizzo di espansioni polari

Il piano magnetico più potente sul mercato. Una grande forza magnetica che si sfrutta in modo particolare quando le lavorazioni vengono eseguite con espansioni polari a distanza. L' unico piano magnetico che non perde forza quando il pezzo viene lavorato a distanza dal piano.

For milling with thick parts using pole shoes

This is the most powerful magnetic chuck in the market. A great magnetic force that is most useful particularly when machining operations are done with remote chuck shoes. This is th only magnetic chuck that will not loose force when the part is machines at a distance from the magnetc chuck.

B	C	D	L	Poli Poles	Forza di serraggio Clamping force (kN)	Kg	Cod.	
315	70	80	600	18	139	115	8.88.43060	
315	70	80	800	24	185	150	8.88.43080	
430	70	80	430	16	123	110	8.88.44040	
430	70	80	600	24	185	155	8.88.44060	
430	70	80	800	32	246	207	8.88.44080	
430	70	80	1000	40	308	260	8.88.44010	
500	70	80	500	25	193	147	8.88.45050	
500	70	80	800	40	308	240	8.88.45080	
500	70	80	1000	50	385	305	8.88.45010*	
600	70	80	600	36	277	216	8.88.46060	
600	70	80	800	48	370	290	8.88.46080*	

Caratteristiche tecniche
Technical features

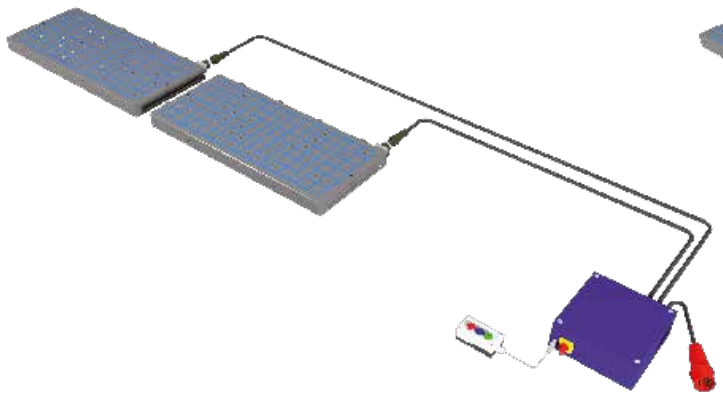
- Polo magnetico / Magnetic chuck
  70 x 70 mm
- Passo polare / Pole pitch
  80 mm
- Foro nel polo / Hole in the chuck
  M10 x 12 mm utili
- Forza in Gauss / Gauss force
  10500 gap 1.5 mm
- Forza polare verticale
- Vertical chuck force
  daN 785
- Forza polare in strisciamento
- Sliding chuck force
  daN 200
- Spessore minimo consigliato
- Minimum suggested thickness
  20 mm
- Spessore massima prestazione
- Maximum performance thickness
  65 mm
- Dimensione pezzo minimo
- Min piece size
  200 cm^2
  (14 cm x 14 cm)
- Perdita di forza in lavoro con espansioni fisse
- Clamping force reduction by using chuck shoes
  H= 30 mm
  5%

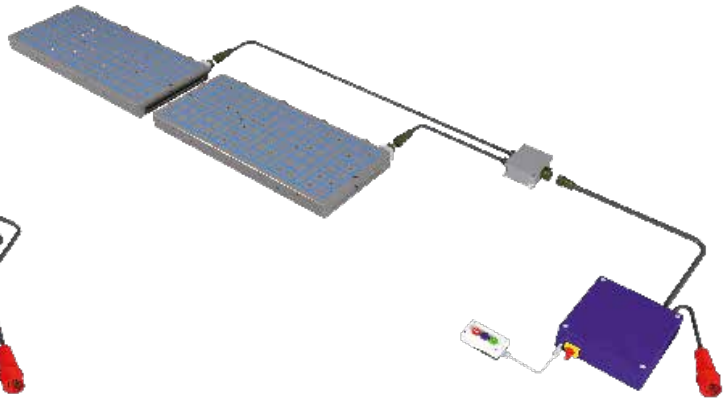
* Necessario 1 cavo 7 PIN in dotazione con unità di controllo - 7 PIN cable needed and provided with the microprocessor controller

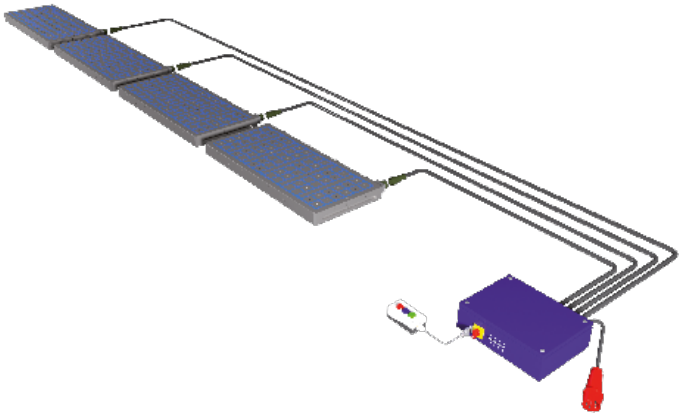
DERIVAZIONI E COLLEGAMENTI
SHUNT AND CONNECTIONS

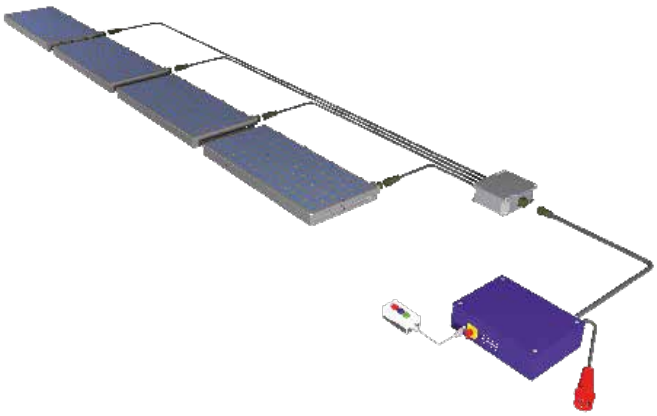
Lavorare con più piani magnetici può richiedere spesse volte il sezionamento dei cavi per poter operare in modo semplice e rapido. Gerardi è in grado di progettare, in collaborazione con il cliente il sistema più pratico ed economico per collegare tutti i piani magnetici una volta fissati alla tavola della macchina.

Working with more chucks may require sectioning of the cables for a simple and fast operation. Gerardi can design with the client the most practical and economical system to connect all magnetic chucks, once they are fixed into the machine table.









Prestazioni di taglio (esempio di riferimento)
Cutting cindition (example for reference)

● Voltaggio del t x 30H ● Utensile: Diam. 100 a 6 taglienti ● Rotazione: 700 min - 1 ● Operazione: fresatura ● Larghezza taglio: 80 mm ● Profondità taglio: 4 mm ● Avanzamento: 500 mm/min ● **Espansioni: non usate**

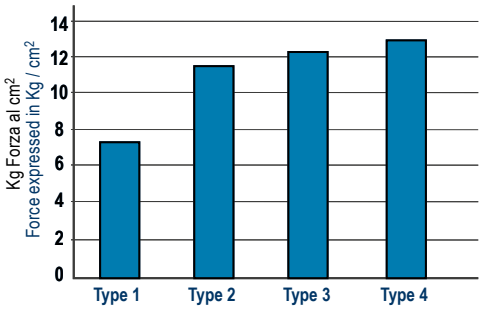
● Voltage test: 400 Volt ● Upper face machining by font Mill ● Magnetic chuck: Art 88 type 3 ● Sample to machine: 120 mm x 240 mm x 30t ● Cutter: Front mill, Ø 100, 6 edges, dry ● Spindle rotation: 700 min - 1 ● Suction area: machining area ● Cut in width: 80 mm ● Cut in depth: 4.0 mm/min ● Feed rate: 500 mm ● **Extension: Not used**

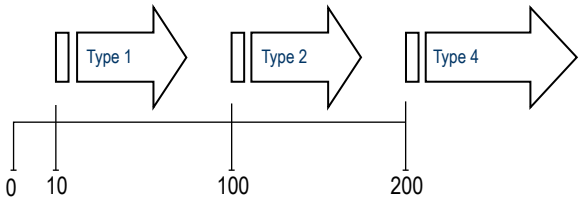
Fresatura laterale
Side machining by end mill

● Piano magnetico: Art 88 tipo 3 ● Pezzo da lavorare: 120 mm x 240 mm x 30H ● Utensile: Diam. 100 a 6 taglienti ● Rotazione: 550 min - 1 ● Operazione: fresatura ● Larghezza taglio: 20 mm ● Profondità taglio: 10 mm ● Avanzamento: 88 mm ● **Espansioni: non usate**

● Magnetic chuck: Art 88 type 3 ● Sample to machine: 120 mm x 240 mm x 30t ● Cutter: Front mill, Ø 100, 6 edges, dry ● Spindle rotation: 550 min - 1 ● Suction area: machining area ● Cut in width: 20 mm ● Cut in depth: 10.0 mm ● Feed rate: 88 mm ● **Extension: Not used**

Forza magnetica polare a CM²
Magnetic pole force per CM²



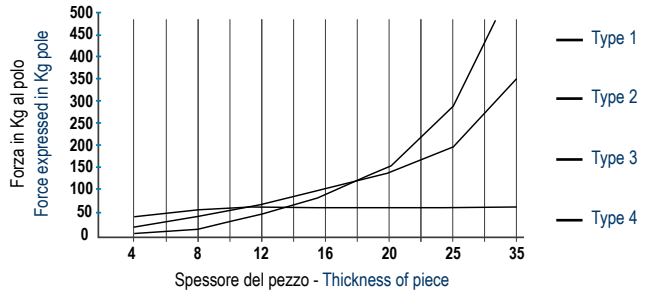


Area in cm2 del pezzo da lavorare
Area in cm2 of the part to be machined

La forza polare è uno strumento importante per valutare la forza di un piano magnetico.Essa è calcolata su un cm2 di polo. Permette di calcolare facilmente quale forza di strappo si ottiene in seguito alla copertura della superficie polare. La superficie minima di contatto è molto importante quando si lavorano prevalentemente pezzi di piccole dimensioni. Infatti, un piano magnetico poco potente e quindi con passo polare minore in fase normale diventa performante a fronte di un pezzo da lavorare molto piccolo.

The pole force is an important instrument for evaluating the force of a magnetic chuck. It is calculated over a cm2 of pole. It enables to simply measure which tearing force is obtained once the polar surface is covered. The minimum contact surface is very important when machining mainly small parts. A weak magnetic chuck during a normal phase becomes effective when it has to machine a very small part.

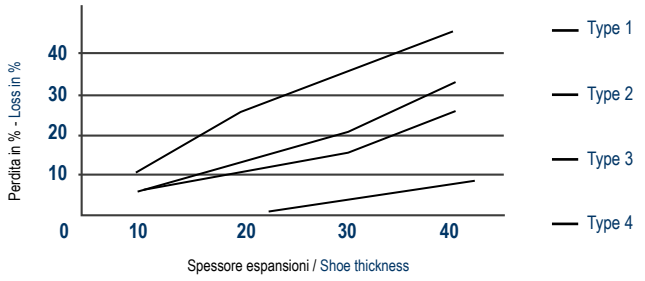
Forza in base allo spessore del pezzo da lavorare
A force on the part to be machined



E la condizione più importante che vincola diverse volte la scelta di acquisto di un piano magnetico. Lo spessore di lavoro prevalente permette di capire in che percentuale viene sfruttata la forza magnetica in tutti i pezzi che andrò a lavorare. Si evidenziano le performance del piano Tipo 2 che si dimostra il più versatile in assoluto nella relazione spessore pezzo e forza lavoro.

This is the most important condition to be met in anymagnetic chuck choice. The working thickness in prevalence allows us to understand at what percentage the magnetic force is utilized in all the parts that where machined. Illustration of the performance of Type 2 chuck, which proves to be the most versatile in the relation thickness of the part and working force.

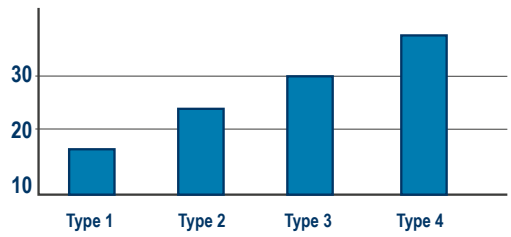
Percentuale di perdita con utilizzo di espansioni polari
Percenteage of loss when using shoes



Questo grafico evidenzia come il piano magnetico tipo 4, normalmente sottovalutato dal mercato per una questione di prezzo, sia in realtà un prodotto estremamente utile. Mantenere la forza nel lavoro a distanza è fondamentale per chi, per praticità operativa, si attrezza a lavorare costantemente su espansioni polari lontano dal piano magnetico.

This graphic shows how the type 4 magnetic chuck, normally underestimated by the market because of its cost, in really is a very useful product. Maintaining the force in remote machining is very important for those who, for practical operations, set to work constantly on pole shoes away from the magnetic chuck.

La forza combinata
The combined force



La forza combinata rappresenta in fresatura il miglior metodo di scelta riguardo alla potenza di un piano magnetico. A condizioni ottimali di lavoro per tutti i piani magnetici, la combinazione della forza di strappo e della forza di scivolamento dimostra la classifica di bontà di prestazione dei nostri modelli. Questo grafico rappresenta la massima prestazione presente oggi sul mercato magnetico.

In milling operations, the combined force represents the best choice with regards to the power of a magnetic chuck. Under optimum working conditions for all magnetic chucks, the combination of tearing force with sliding force shows the classification of the performance goodness of our models. This graphic shows the highest performance existing on the market today.

Pallet Magnetico - Magnetic pallet

MILL TEC ZERO

Il pallet magnetico modulare con Zero Point integrato

The modular magnetic pallet with Zero Point system integrated

CARATTERISTICHE & VANTAGGI

- √ **SEMPRE SICURO**
- √ **IMMEDIATO CARICO E SCARICO DEL PEZZO**
- √ **PRATICO E SEMPLICE**
- √ **LAVORAZIONE ESTREMAMENTE PRECISE DI FINITURA E RETTIFICA**
- √ **SUPERFICIE DI LAVORO COMPLETAMENTE LIBERA**
- √ **FLESSIBILITÀ E ADATTAMENTO ALLA SUPERFICIE DEL PEZZO**
- √ **RIPETIBILITÀ DI 0,005**
- √ **MIGLIOR UTILIZZO DELL'AREA DI LAVORO**

TECHNICAL FEATURES & ADVANTAGES

- √ ALWAYS SAFE
- √ IMMEDIATE WORK LOADING / UNLOADING PIECE
- √ ACCURATE POSITIONING
- √ SIMPLE & PRATICAL
- √ EXTREMELY ACCURATE MACHINING OF FINISHING AND MILLING
- √ TOTALLY FREE WORKING SURFACE
- √ FLEXIBILITY AND ADAPTATION TO THE WORKPIECE SURFACE
- √ REPEATABILITY 0,005
- √ MACHINE FULL EXPLOITATION

MillTecZero

La soluzione definitiva ad ogni esigenza di ancoraggio e posizionamento

The best solution for every clamping and positioning need

Ad interasse variabile - With changeable pitch



Unità di posizionamento

Positioning Units

Le unità di posizionamento ZERO POINT sono predisposte per l'accoppiamento con i perni conici di precisione installati sul particolare/pallet da ancorare garantendo così la ripetibilità di 0,005mm. L'uniformità di ancoraggio sulla superficie di riferimento evita ogni tensione, compressione e deformazione dei pezzi, assicurando la totale assenza di vibrazioni di lavorazione.

The ZERO POINT positioning units are designed to be coupled with precision conical pins installed on the part/pallet to be anchored, thus guaranteeing repeatability of 0.005mm. The uniformity of anchoring on the reference surface avoids any tension, compression and deformation of the pieces, ensuring the total absence of processing vibrations..



Espansioni polari mobili

Mobile Polar Chucks

Facili da posizionare, consentono di realizzare un letto magnetico flessibile adattandosi automaticamente alla superficie da ancorare. Ogni polo magnetico possiede una forza magnetica di 652Kg

Easy to be placed, they allow to creates a flexible magnetic bed that can adapt itself to the workpiece and lock it firmly. Each magnetic pole on the grid plate has 652Kg clamping force.

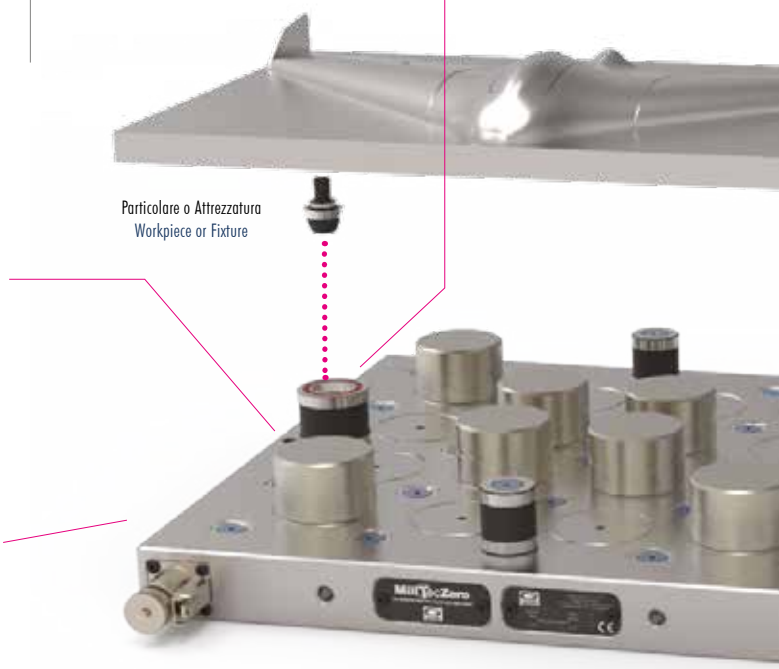


Rapido preciso e sicuro

Quick, Accurate & Safe

Il reticolo di precisione è realizzato nella zona neutra del piano e consente di cambiare posizione alle unità di posizionamento / torrette avendo punti di riferimento in tolleranza

The accurate grid holes are positioned in the free & neutral positions of the steel plate and allows to change the position of the positioning units / turrets keeping the reference points in tolerance.



MillTecZero è n piano magnetico modulare dotato di reticolo di precisione per il posizionamento rapido e preciso di pezzi prelavorati, pallets ed attrez-zature di staffaggio, nato dalla collaborazione tra Gerardi per la produ-zione delle unità di posizionamento Zero Point e di Tecnomagnete per l'ancoraggio magnetico dei particolari

MillTecZero is a grid modular magnetic plate with bushings for the quick positioning of workpieces, pallets or clamping fixtures, born thanks the coope-ration between Gerardi S.p.A for the manufacturing of the Zero Point units and Tecnomagnete for the magnetic clamping of the workpiece

SCAN IT TO WATCH THE VIDEO PRESENTATION

1 YEAR WARRANTY

Incrementa la produttività, riduce i costi
Increase productivity, reduce costs



ZPN per acciaio legato
ZPN for alloy steel

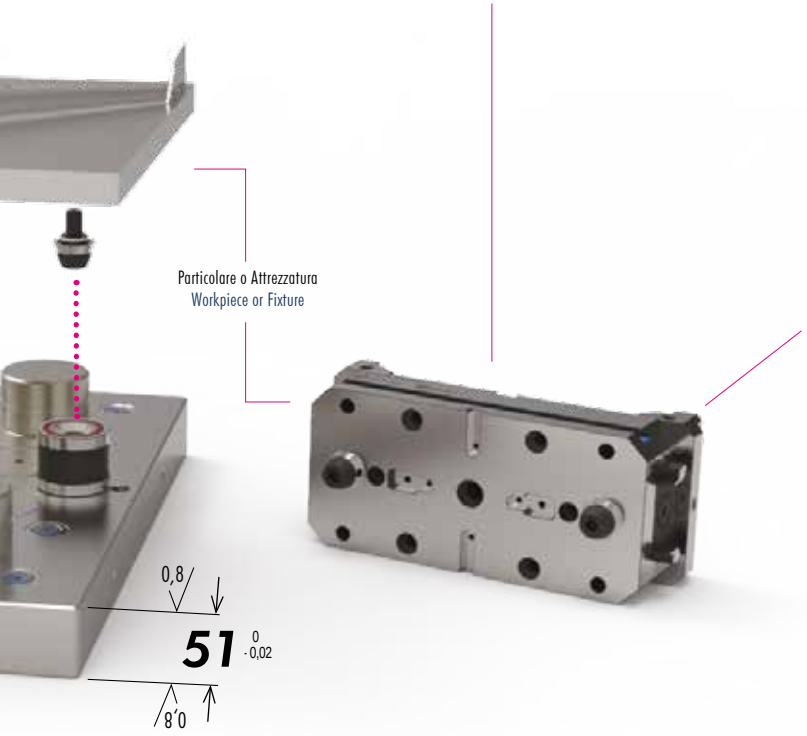
Per il serraggio di particolari in acciaio legato o per il bloccaggio di morse temprate è stata creata una versione apposita denominata ZPN.
Grazie alla sua tecnologia riesce anche a mantenere dopo il serraggio l'acciaio dell'attrezzatura o del particolare smagnetizzato.

A special version called ZPN has been created for clamping parts in alloy steel or for clamping hardened vices. Thanks to its technology, it allows also to keep the steel of the fixture or of the part demagnetized after clamping.

Tecnologia Esclusiva e Brevettata
Exclusive patented system

Il circuito magnetico elettro-permanente MillTecZero è intrinsecamente sicuro: la forza magnetica (fino 16 Kg/cm2 in area polare) è insensibile ad eventuali interruzioni di alimentazione elettrica, permettendo la totale autonomia nell'utilizzo su pallet. La tecnologia monolitica brevettata con poli integrali rende i moduli robusti, stabili e duraturi nel tempo; il loro peso contenuto permette di aumentare le capacità di carico della macchina, riducendo inerzie, consumi e usure.

The MillTecZero electro-permanent magnetic circuit is intrinsecally safe: the magnetic force (up to 16 Kg / cm2 in polar area) is insensitive to any power supply interruptions, allowing total autonomy when used on pallets. The patented monolithic technology with integral poles makes the modules sturdy, stable and long-lasting; their low weight allows to increase the load capacity of the machine, reducing inertia, consumption and wear.





Riduzione dei costi
Reduce costs

Aumenta la produttività, migliora l'efficienza, riduce i costi e consente un rapido ritorno dell'investimento.

It steps up the productivity and increase the efficiency. It Reduces costs and allows a quick return on investment.



Torrette di appoggio
Support turrets

Torrette di appoggio per il particolare da lavorare, regolabili in altezza

Highly support turrets to hold up the workpiece.

PALLET MAGNETICO MODULARE
MODULAR MAGNETIC PALLET

NEW

Art. 88 ZP K01 Art. 88ZPN K01

Dimensione Dimensions			Art.87A	Art.87B	RMP	Peso Weight	Forza Polo Chuck Force	Polo Chuck	Art.88ZP Per GHISA/ACCIAIO For CAST IRON/STEEL Fe370 or C40		Art.88ZPN Per ACCIAO LEGATO For ALLOY STEEL as 38NiCrMo5 or 16MnCr5	
A mm	B mm	C mm	(n)	(n)	(n)	Kg	Kgf	(n)	* Forza Force (Ton)	Cod.	* Forza Force (Ton)	Cod.
400	400	51	2	2	6	95	652	9	5,8	1088ZP4040K01	2,9	1088ZPN4040K01
500	500	51	2	2	8	125	652	16	10,4	1088ZP5050K01	5,2	1088ZPN5050K01
600	600	51	2	2	12	160	652	21	13,7	1088ZP6060K01	6,85	1088ZPN6060K01

* Indicativa - Indicative values



N.B Il serraggio di particolari con una superficie irregolare senza l'utlizzo delle espansioni polari potrebbe rovinare il piano magnetico.

Please be aware that the clamping of parts with an irregular surface without the use of polar expansions could ruin the magnetic plane.

Art. XT200

Unità di controllo con guscio in platica e pulsantiera integrata.

Control unit with plastic shell and integrated push-button panel.



Art. ST200FB Art. ST200R

Unità di controllo in metallo e pulsantiera esterna collegata tramite cavo.

Metal control unit and external push-button panel connected by cable.

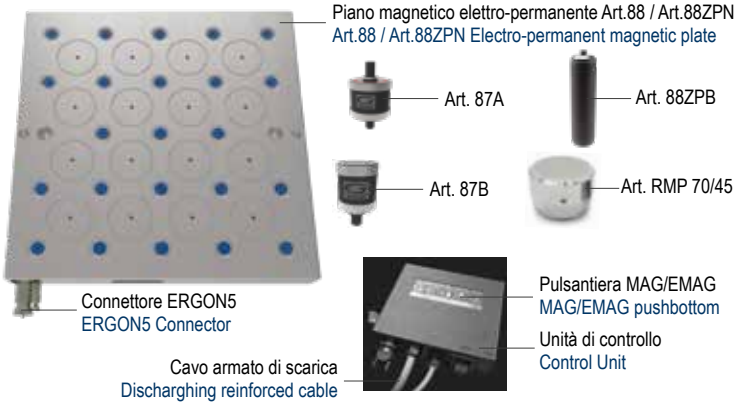


Unità di controllo Power unit	Voltaggio Voltage*	Codice Code	Connettore Connector
XT 200 Per versione ZP singola For ZP single version	200V	V1	ERGON 5
	230V	V2	
	380/440V	V3	
	460/480V	V4	
ST200FB Per versione ZP multiplo For ZP multiple version	200V	V1	
	230V	V2	
	380/440V	V3	
	460/480V	V4	
ST200R Per ZPN singolo / multiplo For ZPN single & multiple	200V	V1	
	230V	V2	
	380/440V	V3	
	460/480V	V4	

* Voltaggi standard 50/60 Hz a.c. da specificare in fase d'ordine / 50 / 60 Hz - Standard voltages to be specified on the order

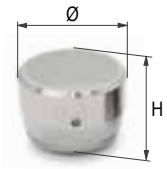
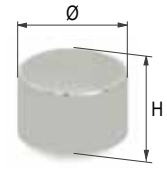
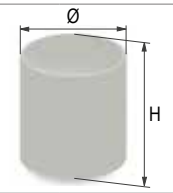
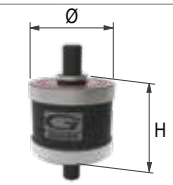
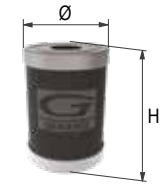
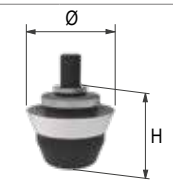
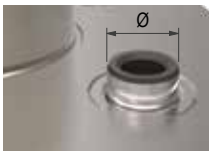
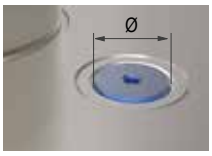
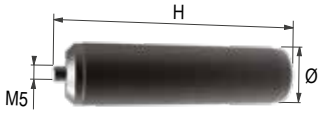
Dotazione standard:
- Piano magnetico elettro-permanente in tecnologia monolitica, completo di connettore ERGON 5 Art.88/Art. 88ZPN
- Reticolo con bussole di precisione in acciaio temprato
- N.2 Art.87A: Unità di posizionamento Zero Point ■ N.2 Art.87B: Torrette di appoggio complete
- Set di espansioni polari mobili tonde RMP 70/45 a doppio effetto
- Unità di controllo elettronica ■ Pulsantiera digitale incorporata per cicli MAG / DEMAG
- Cavo armato di scarica con rivestimento in PVC antiolio (5m) ■ Estrattore tappo Zero Point Art.88ZPB

Standard equipment:
- Electro-permanent magnetic plate in monolithic technology with ERGON 5 connector Art.88/Art.88ZPN
- Grid with hardened steel precision bushings
- N.2 Art.87A Zero Point positioning units ■ N.2 Art.87B Complete support turrets
- Circular Mobile pole chucks set RMP 70/45 double effect
- Electronic control unit ■ Incorporated digital pushbotton board for MAG/DEMAG cycles
- Discharghing reinforced cable with oil-proof PVC coating (5M leght) ■ Plug extractor for Zero Point Art.88ZPB



ELEMENTI OPZIONALI MillTecZero
MillTecZero OPTIONAL ELEMENTS

NEW

Tipo (grandezza) / type (size)		H	Ø	Kg	Cod.
RMP 70/45 Epansione polare mobile tonda Circular mobile pole chuck		45	70	1,3	RMP_70-45
PRF 70/45 Espansione polare fissa Fixed pole chuck		45	70	0,5	PRF_70-45
PRF 70/75 Prolunga espansione polare Pole chuck extension		75	70	0,8	PRF_70-75
Art. 87A Unità di posizionamento Zero Point Zero Point positioning unit		45	54	0,8	1087A5445
Art. 87B Torretta di appoggio completa Complete support turret		45	39	1,9	1087B3945
Art. 87C Prolunga Extension		75	54	1,2	1087C5475
Art. 87AC Tirante conico Conical Pull Stud		24	20	0,06	1087AC5445
Art. 87AD Bussola extra Extra bushing		-	20 g5	0,1	1087AD5445
Art. 87BB Tappo in alluminio con OR Aluminum bushing cap with OR		-	20 g5	0,004	1087BB0020
Art. 88ZPB Estrattore tappo Zero Point Magnetico Plug extractor for magnetic Zero Point		81	20,5	0,19	1088ZPB5050

CORRETTO UTILIZZO DEL PRODOTTO
PROPER USAGE OF THE PRODUCT

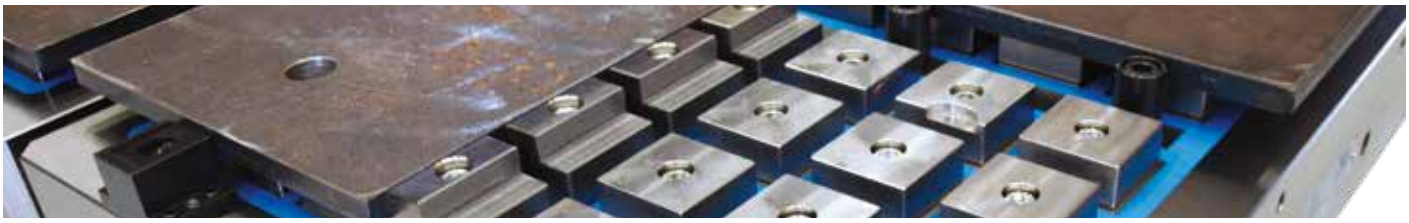
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

L'uso previsto dei piani magnetici elettropermanenti è quello di bloccare, sfruttando la forza magnetica, qualsiasi pezzo di materiale ferromagnetico in lavorazione su macchine utensili, centri di lavoro, rettifiche ecc.
Questa serie di piani, garantendo una forza magnetica di tenuta particolarmente elevata, permette d'effettuare lavorazioni di fresatura e rettifica a grande velocità consentendo di sfruttare tutte le potenzialità delle macchine utensili. La facilità d'ancoraggio e rilascio del pezzo in lavorazione consentono, inoltre, di aumentare notevolmente la produttività delle macchine evitando staffaggi e cambi d'attrezzatura.
La caratteristica elettropermanente del piano magnetico permette anche di operare in completa sicurezza in caso di mancata alimentazione elettrica.
Il sistema, infatti, necessita di corrente solo al momento della magnetizzazione e smagnetizzazione del piano, quindi, se durante la fase di lavoro ci fosse una mancanza di alimentazione, la macchina utensile si arresterebbe, mentre il piano magnetico resterebbe magnetizzato.

The intended use of the electro-permanent magnetic chucks is to lock any piece of ferromagnetic material being worked on by machine tools, machining centres, grinding machines, etc. using magnetic force. This series of chucks, assuring a very strong magnetic hold power, allows high speed milling and grinding operations, thus enabling the machine tools to be used to their full potential. Moreover, the ease of use to clamp and release a workpiece increases the machine productivity significantly, since no clampings nor equipment changes will be necessary. The electro-permanent nature of the magnetic chuck also enables operation in complete safety in case of loss of power. The system only requires electric power when magnetization and demagnetization of the chuck are performed. So, in the event of power loss during operation, the machine tool will stop, while the magnetic chuck will stay magnetized.



MATERIALI IDONEI ALL'UTILIZZO
SUITABLE MATERIALS TO BE USED WITH

I piani magnetici elettropermanenti sono in grado di bloccare tutti i materiali ferromagnetici.
Sono, invece, esclusi i seguenti materiali:
- Alluminio e sue leghe - Bronzo - Ottone - Ghisa amagnetica
- Alcuni acciai INOX (tipi austenitici anche se leggermente magnetizzabili a seguito di incrudimento per deformazione plastica)
Anche all'interno dei materiali ferromagnetici, il maggiore o minore bloccaggio del pezzo sul piano dipende comunque dalla riluttanza del particolare da ancorare.
Il valore della riluttanza risulta funzione della composizione chimica del materiale. Tale composizione può provocare notevoli riduzioni (fino al 20 ÷ 30%) del valore massimo della forza di attrazione che si raggiunge per l'acciaio dolce.

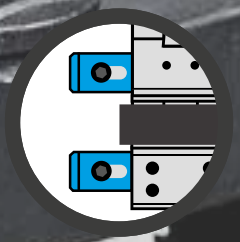
Electro-permanent magnetic chucks are able magnetize all ferromagnetic materials.
The following materials, on the contrary, are excluded:
- Aluminium and its alloys - Bronze - Brass - Non-magnetic cast iron
- Some types of STAINLESS steel (austenitic type even if slightly magnetizable after plastic deformation hardening)
Even among ferromagnetic materials, the magnetizing degree of the workpiece depends on the reluctance of the workpiece itself.
The value of reluctance depends on the chemical composition of the material. This composition may cause relevant reductions (up to 20 ÷ 30%) of the maximum value of the attraction force that can be reached with the mild steel.

Materiale - Material	**Efficienza -** Efficiency
Acciaio tradizionale (Fe 360 - C40) - Standard steel (Fe 360 - C40)	**100%**
Acciaio grezzo ferromagnetico - Raw ferromagnetic steel	**90%**
Acciaio inox magnetico - Magnetic stainless steel	**80%**
Ghisa - Cast Iron	**70%**

Trattamenti termici effettuati sul pezzo da magnetizzare.
Alcuni trattamenti termici riducono la proprietà di attrazione magnetica. Pertanto si deve porre particolare attenzione a quei materiali che hanno subito uno dei seguenti trattamenti:
- Tempra in tutte le possibili varianti - Bonifica - Cementazione - Nitrurazione

Heat treatments performed on the workpiece to be magnetized.
Some heat treatments reduce magnetic attraction properties. Special attention should therefore be given to materials which have undergone one of the following treatments:
- Hardening in all possible variants - Quenching and tempering - Case-hardening - Nitriding

GERARDI



11

To hold workpiece or fixtures perfetly clamp for cnc machining

Elementi modulari di staffaggio
Modular clamping elements

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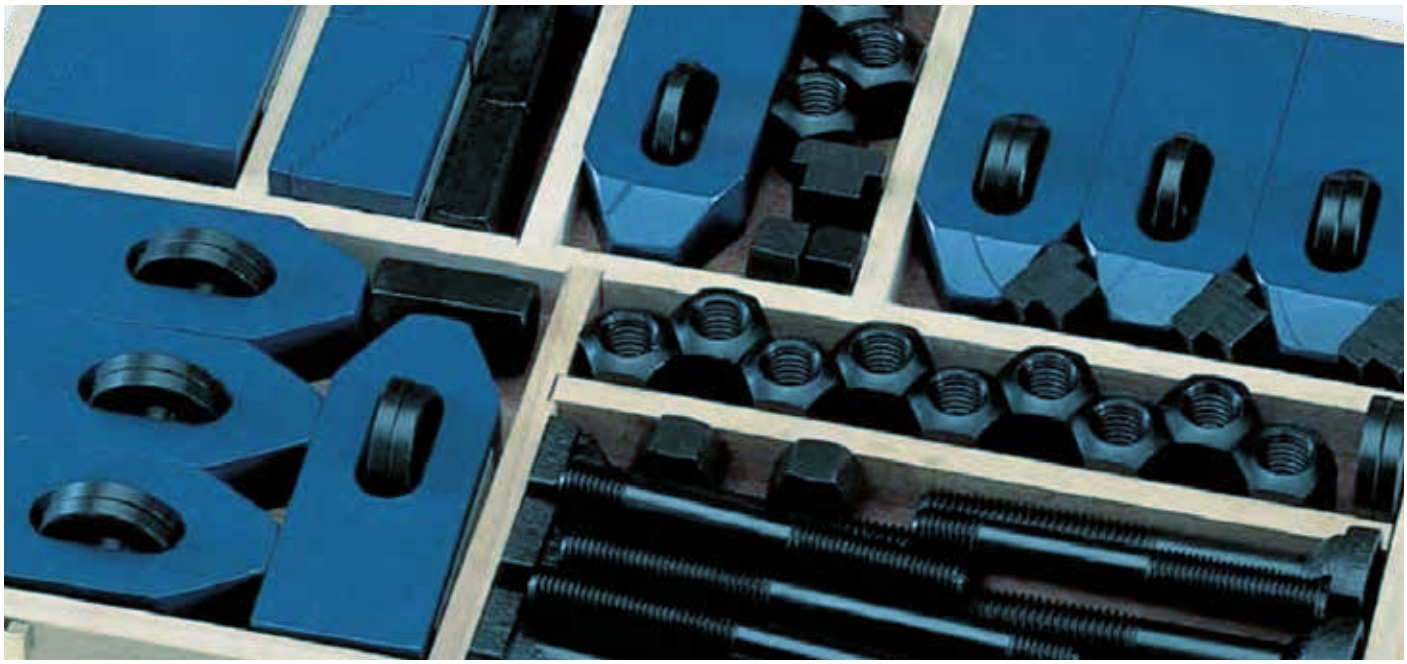


SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

ELEMENTI MODUULARI DI STAFFAGGIO MODULAR CLAMPING TOOLS						Kit staffaggi Clamping kit
BULLONERIA VARIA NUTS AND BOLTS						Bulloneria varia Nuts and bolts
POSSIBILITÀ POSSIBILITY						Staffe inteliggenti Intelligent clamps
PAGINE PAGES					Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use

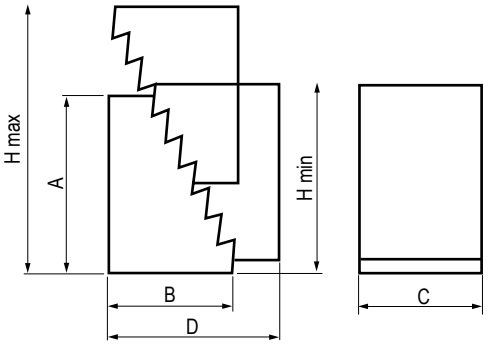
Art. S110

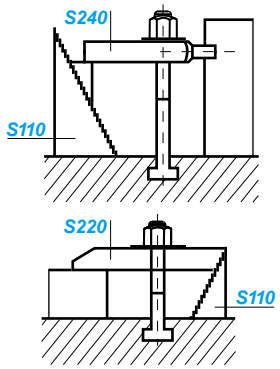
Appoggi dentati
Toothed supports

Dimensioni mm / Dimensions mm	B	C	D	H min	H max	gr	Cod.	
31.5	22	30	38	31,5	53	90	S110.00001	
64.5	36.5	30	70	64,5	105	300	S110.00002	
128	68	30	132	128	208	1050	S.110.00003	



Altezza gradino: verticale = 4,65 mm / Orizzontale = 2,3 mm
Height of tooth: vertical = 4,65 mm / horizontal = 2,3 mm



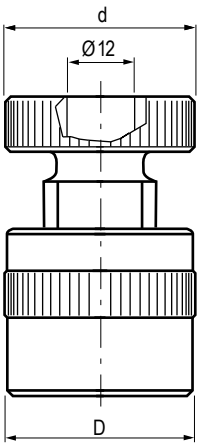


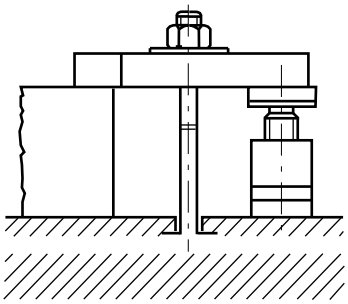
Art. S120

Appoggi a vite
Screw supports

H min	H max	d	D	kN	gr	Passo	Cod.	
38	50	34	34	20	190	M30	S120.00050	
50	70	50	50	60	620	M30	S120.00070	
70	100	50	50	60	900	M30	S120.00100	
100	140	65	70	105	2600	Q 40 x 6	S120.00140	
140	210	70	80	180	4900	Q 40 x 6	S120.00210	
190	300	80	100	360	10500	Q 40 x 6	S120.00300	







Art. S121

Appoggi a vite con base in alluminio
Screw supports with aluminium base

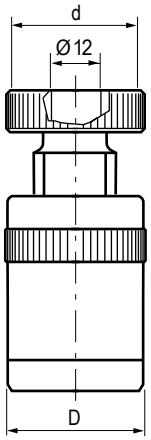
h min	H max	d	D	kN	gr	Cod.	
42	52	50	50	30	370	S121.00050	
60	72	50	50	30	380	S121.00070	
70	100	50	50	30	600	S121.00100	

Art. S122

Appoggi a vite con base magnetica
Screw supports with magnetic base

h min	H max	d	D	kN	gr	Cod.	
57	64	50	50	30	380	S122.00050	
75	84	50	50	30	550	S122.00070	
85	112	50	50	30	710	S122.00100	





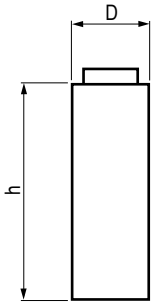
Possibilità di posizionamento e registrazione sia in orizzontale che in verticale
Possibilità di posizionamento e registrazione sia in orizzontale che in verticale

***Base-materiale Art. S121 e S122**: lega in alluminio **ERGAL** (EN 7075 UNI 3735)*
***Base-material Art. S121 and S122**: **ERGAL** aluminium alloy (EN 7075 UNI 3735)*

Art. S125

Prolunghe per appoggi a vite
Extension pieces for screw supports





Utilizzato con l'Art. S120 permette di prolungare l'altezza dell'appoggio. Possono essere sovrapposte.
Used with S120 give possibility to extend the lenght of the support. They should be placed one upon another

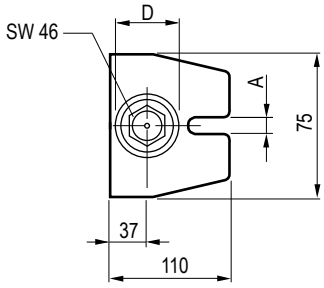
Dimensioni mm / Dimensions mm	D	h	per Articolo	gr	Cod.
	35	25	S120.00050	25	S125.35025
	35	50	"	50	S125.35050
	35	75	"	75	S125.35075
	35	100	"	100	S125.35100
	50	50	S120.00070 / 100	50	S125.50050
	50	75	"	75	S125.50075
	50	100	"	100	S125.50100
	50	150	"	150	S125.50150
	70	50	S120.00140	50	S125.70050
	70	100	"	100	S125.70100
	70	150	"	150	S125.70150
	70	200	"	200	S125.70200

Art. S130

Appoggi a vite ATLAS
Screw supports ATLAS type



Filettatura trapezoidale passo 30 x 6. Con vite di fermo
Trapezoidal thread 30 x 6. With stazionary screw



h min	H max	A	D	kN	gr	Cod.
100	140	18	50	60	1800	S130.18140
140	200	18	50	60	2300	S130.18200
200	320	22	50	40	3600	S130.22320
320	550	22	50	25	5500	S130.22550

Art. S131

Appoggi a vite tipo pesante
Screw bearing type heavy



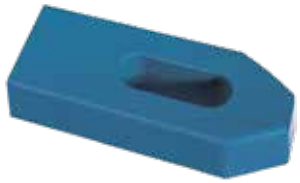
Filettatura trapezoidale passo 40 x 6
Trapezoidal thread 40 x 6

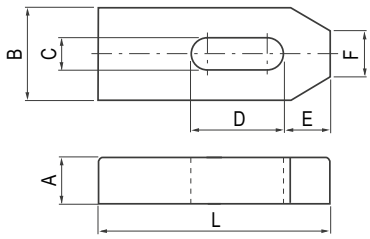
h min	H max	A	D	kN	gr	Cod.
200	300	26	70	80	9500	S131.00300
280	460	26	70	60	11000	S131.00460
430	750	26	70	50	13500	S131.00750
710	1250	26	70	45	19000	S131.01250

Art. S210

Staffe semplici
Standard clamps

R. > 700 N / mm²





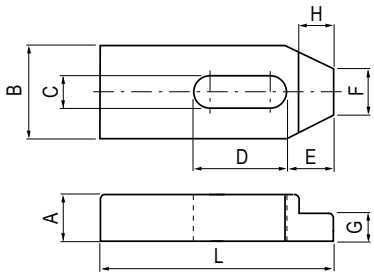
Dimensioni mm / Dimensions mm	A	B	C	D	E	F	G	H	L		gr	Cod.
	10	20	7	20	10	8			50	6	65	S210.07050
	12	25	9	22	13	10			60	8	115	S210.09060
	15	30	11	30	15	12			80	10	225	S210.11080
	20	40	14	40	21	14			100	12-14	500	S210.14100
	20	40	14	50	21	14			125	12-14	620	S210.14125
	20	40	14	65	21	14			160	12-14	815	S210.14160
	25	50	18	45	26	18			125	16-18	980	S210.18125
	25	50	18	65	26	18			160	16-18	1260	S210.18160
	25	50	18	80	26	18			200	16-18	1600	S210.18200
	30	60	22	60	30	22			160	20-22	1850	S210.22160
	30	60	22	80	30	22			200	20-22	2300	S210.22200
	30	70	26	80	35	26			200	24	2650	S210.26200
	30	70	26	105	35	26			250	24	3300	S210.26250
	40	80	34	100	45	34			250	27-30	5000	S210.34250
	40	80	34	130	45	34			315	27-30	6200	S210.34315

Art. S211

Staffe semplici ridotte
Shaped standard clamps

R. > 700 N / mm²





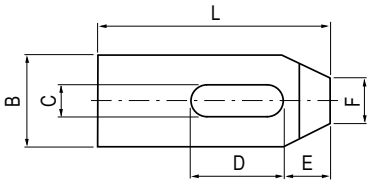
	10	20	7	20	10	8	6	7	50	6	60	S211.07050
	12	25	9	22	13	10	7	10	60	8	140	S211.09060
	15	30	11	30	15	12	9	9	80	10	220	S211.11080
	20	40	14	40	21	14	12	12	100	12-14	480	S211.14100
	20	40	14	50	21	14	12	12	125	12-14	615	S211.14125
	20	40	14	65	26	14	12	12	160	12-14	800	S211.14160
	25	50	18	45	26	18	15	15	125	16-18	960	S211.18125
	25	50	18	65	26	18	15	15	160	16-18	1230	S211.18160
	25	50	18	80	26	18	15	15	200	16-18	1550	S211.18200
	30	60	22	60	30	22	20	20	160	20-22	1800	S211.22160
	30	60	22	80	30	22	20	20	200	20-22	2200	S211.22200
	30	70	26	80	35	26	20	25	200	24	2450	S211.26200
	30	70	26	105	35	26	20	25	250	24	3200	S211.26250
	40	80	34	100	45	34	25	25	250	27-30	4800	S211.34250
	40	80	34	130	45	34	25	25	315	27-30	6000	S211.34315

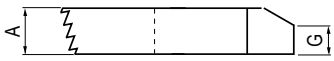
Art. S220

Staffe dentate
Toothed clamps

R. > 700 N / mm²







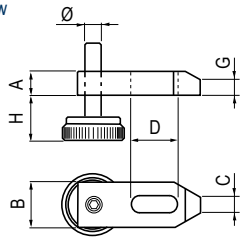
10	20	7	20	10	8	6		50	6	55	S220.07050
12	25	9	22	13	10	8		60	8	125	S220.09060
15	30	11	30	15	12	10		80	10	205	S220.11080
20	40	14	40	21	14	12		100	12-14	445	S220.14100
25	50	18	45	26	18	15		125	16-18	930	S220.18125
30	60	22	60	30	22	18		160	20-22	1700	S220.22160
30	70	26	80	35	26	18		200	24	2500	S220.26200

Art. S230

Staffe regolabili con vite a passo fine
Adjustable clamps with fine pitch screw

R. > 700 N / mm²





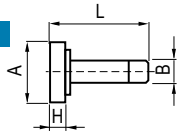
A	B	C	D	G	H	L	Ø		gr	Cod.
15	30	11	30	10	8-28	80	M10	10	345	S.230.11080
20	40	14	40	12	10-32	100	M12	12-14	680	S.230.14100
25	50	18	45	15	13-40	125	M16	16-18	1185	S.230.18125
30	60	22	60	18	18-60	160	M20	20-22	2030	S.230.22160

Art. S231

Viti di ricambio
Spare screws

Viti ricambio / Spare screws	A	B	H	L	gr	Cod.
	40	M10	8	60	130	S231.00010
	45	M12	8	60	210	S231.00012
	45	M16	8	70	245	S231.00016
	45	M20	8	80	300	S231.00020

Art. S231

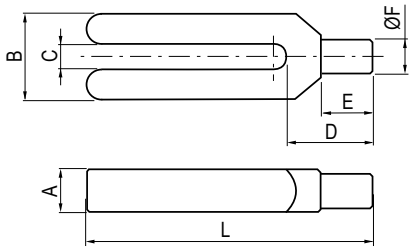


Art. S240

Staffe a forcella con gambo cilidrico
Forked clamps with cylindrical shank

R. > 600 N / mm²





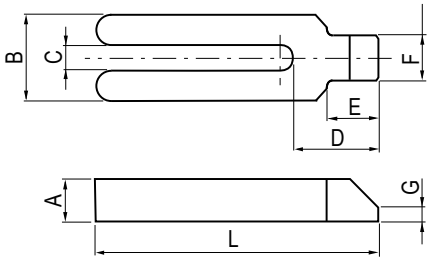
Dimensioni mm / Dimensions mm	A	B	C	D	E	F	G	H	L		gr	Cod.
	15	30	9	30	18	12			100	8	205	S240.09100
	20	30	11	36	24	16			125	10	335	S240.11125
	25	40	14	45	30	20			160	12-14	720	S240.14160
	25	40	14	45	30	20			200	12-14	920	S240.14200
	30	50	18	55	36	24			200	16-18	1310	S240.18200
	30	50	18	55	36	24			250	16-18	1640	S240.18250
	40	60	22	65	45	30			250	20-22	2160	S240.22250
	40	60	22	65	45	30			315	20-22	3300	S240.22315
	40	70	26	80	56	38			250	24	3100	S240.26250
	40	70	26	80	56	38			315	24	3900	S240.26315
	50	80	34	85	56	45			315	27-30	5500	S240.34315
	50	80	34	85	56	45			400	27-30	6900	S240.34400

Art. S250

Staffe a forcella con nasello
Forket clamps with nib

R. > 600 N / mm²





	15	30	9	30	18	16	5		100	8	225	S250.09100
	20	30	11	36	24	20	6		125	10	360	S250.11125
	25	40	14	45	30	25	7		160	12-14	770	S250.14160
	25	40	14	45	30	25	7		200	12-14	950	S250.14200
	30	50	18	55	36	28	8		200	16-18	1420	S250.18200
	30	50	18	55	36	28	8		250	16-18	1700	S250.18250
	40	60	22	65	45	35	10		250	20-22	2790	S250.22250
	40	60	22	65	45	35	10		315	20-22	3480	S250.22315
	40	70	26	80	56	43	10		250	24	3320	S250.26250
	40	70	26	80	56	43	10		315	24	4270	S250.26315
	50	80	34	85	56	50	12		315	27-30	5700	S250.34315
	50	80	34	85	56	50	12		400	27-30	7250	S250.34400

Art. S260

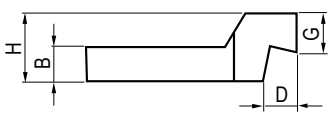
Staffe a gomito
Cranked clamps

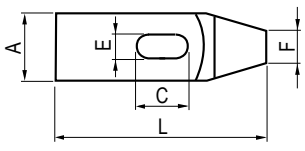
R. > 700 N / mm²



	40	20	30	20	14	20	23	40	125	12-14	750	S260.14125
	50	25	40	25	18	25	28	50	160	16-18	1510	S260.18160
	50	25	60	25	18	25	28	50	200	16-18	1790	S260.18200
	60	30	40	30	22	30	35	60	160	20-22	2190	S260.22160
	60	30	60	30	22	30	35	60	200	20-22	2700	S260.22200
	70	35	50	35	26	35	38	70	200	24	3660	S260.26200
	70	35	75	35	26	35	38	70	250	24	4560	S260.26250

Il pregio dell'articolo sta nell'essere prodotto tramite la fresatura di un blocco d'acciaio (non è quindi piegato)
This article is produced milling a steel block (it is not produced by bending)



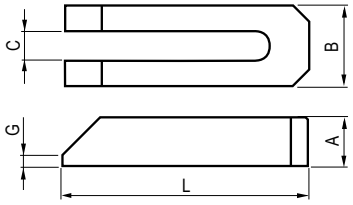


Art. S270

Staffe a forcella con smusso
Forked clamps with bevel

R. > 600 N / mm²





Il pregio dell'articolo sta nell'essere prodotto tramite la fresatura di un blocco d'acciaio (non è quindi piegato)
This article is produced milling a steel block (it is not produced by bending)

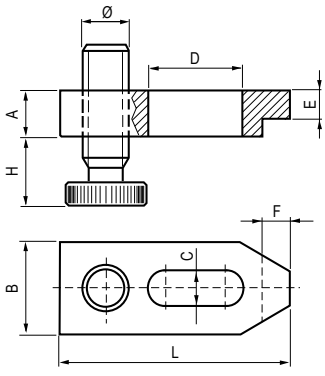
Dimensioni mm / Dimensions mm	A	B	C	G	L		gr	Cod.
	12	20	7	3	60	6	70	S270.07060
	15	25	9	4	80	8	150	S270.09080
	20	30	11	5	100	10	270	S270.11100
	25	40	14	6	125	12-14	590	S270.14125
	25	40	14	6	160	12-14	760	S270.14160
	25	40	14	6	200	12-14	970	S270.14200
	30	50	18	8	160	16-18	1160	S270.18160
	30	50	18	8	200	16-18	1400	S270.18200
	40	50	18	10	250	16-18	2330	S270.18250
	40	50	22	10	200	20-22	1700	S270.22200
	40	60	22	10	250	20-22	2880	S270.22250
	40	60	22	10	315	20-22	2530	S270.22315
	40	70	26	10	200	24	2680	S270.26200
	40	70	26	10	250	24	3370	S270.26250
	40	70	26	10	315	24	4220	S270.26315
	50	80	34	12	250	27-30	4480	S270.34250
	50	80	34	12	315	27-30	5600	S270.34315
	50	80	34	12	400	27-30	7150	S270.34400
	60	100	40	12	400	36	11700	S270.40400
	60	100	40	12	600	36	17300	S270.40600

Art. S280

Staffe regolabili con vite a passo quadro
Adjustable clamps with square thread screw

R. > 700 N / mm²



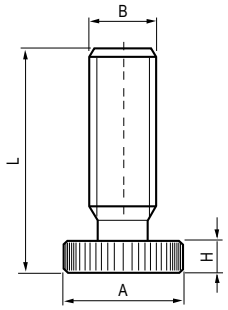


Dimensioni mm / Dimensions mm	A	B	C	D	E	F	H	L	Ø		gr	Cod.
	20	40	15	40	12	12	15-50	100	20x4	12-14	620	S280.14100
	20	40	15	45	12	12	15-50	125	20x4	12-14	770	S280.14125
	20	40	15	60	12	12	15-50	160	20x4	12-14	950	S280.14160
	25	50	19	45	15	15	15-70	125	20x4	16-18	1090	S280.18125
	25	50	19	60	15	15	15-70	160	30x6	16-18	1640	S280.18160
	25	50	19	80	15	15	15-70	200	30x6	16-18	1970	S280.18200
	30	60	23	60	15	20	15-70	160	30x6	20-22	2120	S280.22160
	30	60	23	80	15	20	15-70	200	30x6	20-22	2570	S280.22200
	40	70	27	80	25	23	15-70	200	30x6	24	3700	S280.26200
	40	70	27	100	25	23	15-70	250	30x6	24	4620	S280.26250
	40	70	27	100	25	23	15-70	300	30x6	24	5740	S280.26300

Art. S281

Viti di ricambio per staffe
Spare screw for clamps





Dimensioni mm / Dimensions mm	A	B	H	L	gr	Cod.
	10	20 x 4	70	35	190	S281.20004
	15	30 x 6	100	45	540	S281.30006
	15	30 x 6	125	70	1050	S281.30006.A

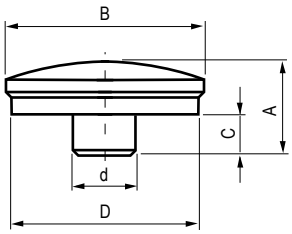
Filetto TPN passo quadro.
Materiale: 35SMnPb 10 UNI 4838. Classe 8.8
TPN thread square pitch.
Material: SMnPb 10 UNI 4838. Class 8.8

Art. S151

Puntali bombati
Convex caps



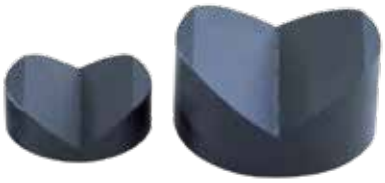
Utilizzati su Art. S120, S121, S122, S130, S131
Used on Art. S120, S121, S122, S130, S131



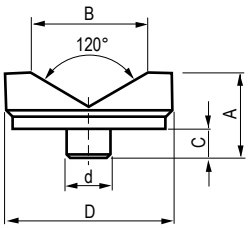
Dimensioni mm / Dimensions mm	A	B	C	D	d	gr	Cod.
	18	37	8	35	12	70	S151.00035

Art. S152

Puntali prismatici
"V" groove caps



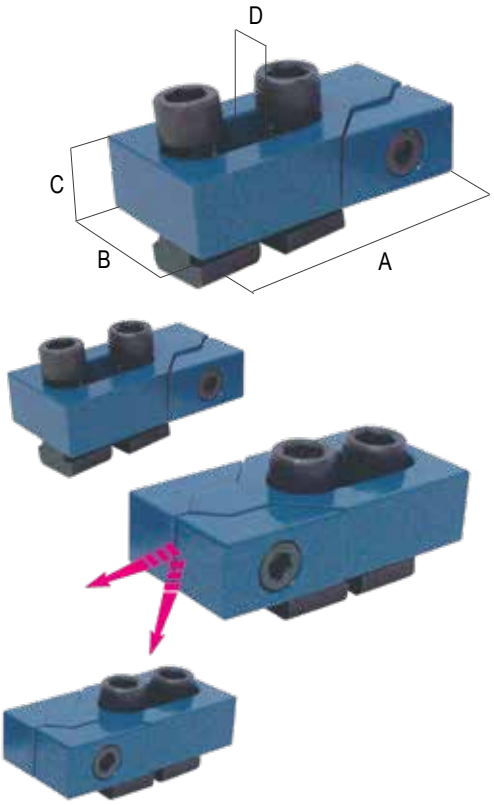
Utilizzati su Art. S120, S121, S122, S130, S131
Used on Art. S120, S121, S122, S130, S131



23	32	8	45	12	145	S152.00045	
38	56	8	65	12	580	S152.00065	

Art. ML10

Morsetti laterali
Side buckles



Costruzione a cuneo che permette il bloccaggio contemporaneo del pezzo in senso verticale e orizzontale
Forniti in coppia

Wesge type construcrion which enable to simultaneously clamp vertically and horizontally. Supplied in pairs

Dimensioni mm / Dimensions mm	A	B	C	D		kN F1	kN F2	gr	Cod.
	80	40	20	11,7	12	16	0,6	1040	ML10.00012
	80	40	20	13,7	14	22	0,9	1070	ML10.00014
	100	50	25	15,7	16	32	1,2	2040	ML10.00016
	100	50	25	17,7	18	36	1,4	2080	ML10.00018
	100	50	25	19,7	20	36	1,4	2290	ML10.00020
	140	78	30	21,7	22	36	1,4	5530	ML10.00022
	140	78	30	23,7	24	36	1,4	5800	ML10.00024
	140	78	30	27,7	28	40	1,6	6200	ML10.00028
	140	78	30	29,7	30	40	1,6	6800	ML10.00030

STAFFAGGI ASSORTITI
ASSORTED CLAMPING TOOLS

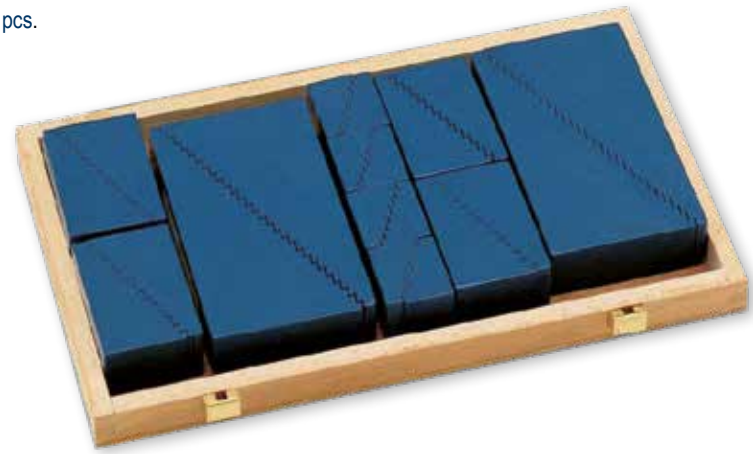
Art. S410

Kit **46** pezzi / pcs.



Art. S440

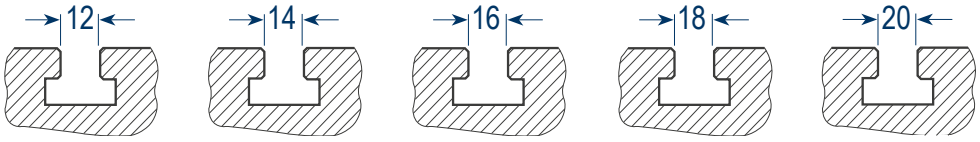
Kit **20** pezzi / pcs.



APPOGGI DENTATI
MULTIPLE STEP SUPPORT

Art. S410

Kit **46** pezzi / pcs.



Descrizione contenuto / Contents description	Cod. S410.00012	Cod. S410.00014	Cod. S410.00016	Cod. S410.00018	Cod. S410.00020
Appoggi dentati / Toothed support	n. 2 S110.00001	n. 2 S110.00001	n. 2 S110.00001	n. 2 S110.00001	n. 2 S110.00001
Appoggi dentati / Toothed support	n. 4 S110.00002	n. 4 S110.00002	n. 4 S110.00002	n. 4 S110.00002	n. 4 S110.00002
Appoggi dentati / Toothed support	n. 2 S110.00003	n. 2 S110.00003	n. 2 S110.00003	n. 2 S110.00003	n. 2 S110.00003
Staffe semplici / Flat clamps	n. 4 S210.14100	n. 4 S210.14125	n. 4 S210.14100	n. 4 S210.18125	n. 4 S210.22200
Staffe dentate / Toothed clamps	n. 4 S220.14100	n. 4 S220.14100	n. 4 S220.18125	n. 4 S220.18125	n. 4 S220.22160
Viti testa martello / T-slot bolts	n. 2 S310.12080	n. 2 S310.14100	n. 4 S310.16100	n. 4 S310.18150	n. 4 S310.20150
Viti testa martello / T-slot bolts	n. 4 S310.12125	n. 4 S310.14150	n. 2 S310.16150	n. 2 S310.18200	n. 2 S310.20200
Prigionieri completi / Studs	n. 2 S320.10080	n. 2 S320.12080	n. 2 S320.14100	n. 2 S320.16125	n. 2 S320.18125
Prigionieri completi / Studs	n. 2 S320.10100	n. 2 S320.12160	n. 2 S320.14160	n. 2 S320.16160	n. 2 S320.18160
Dadi prolung. / Extensions nuts	n. 4 S350.10030	n. 4 S350.12036	n. 4 S350.14042	n. 4 S350.16048	n. 4 S350.18054
Dadi altri / Turned toll nuts	n. 6 S340.12018	n. 6 S340.14021	n. 6 S340.16024	n. 6 S340.18027	n. 6 S340.20030
Tasselli per cave / T-slot nuts	n. 4 S360.10012	n. 4 S360.12014	n. 4 S360.14016	n. 4 S360.16018	n. 4 S360.18020
Rondelle / Washers	n. 6 S370.00012	n. 6 S370.00014	n. 6 S370.00016	n. 6 S370.00018	n. 6 S370.00020
Peso kg / Weight kg	10,5	12	17	18	27
Dimensioni cm / Dimensions cm	37 x 32		47 x 33		50 x 41
Cassetta in legno vuota / Wooden box	Cod. S410.BOX01		Cod. S410.BOX02		Cod. S410.BOX03

Art. S440

Kit **20** pezzi / pcs.

Descrizione contenuto / Contents description	
S110.00001	8 pezzi / pcs
S110.00002	8 pezzi / pcs
S110.00003	4 pezzi / pcs
Peso kg / Weight kg	8,5
Dimensioni cm / Dimensions cm	30,5 x 17
Cod. S440.00001	

ELEMENTI MODULARI DI STAFFAGGIO **Materiale: Alluminio**

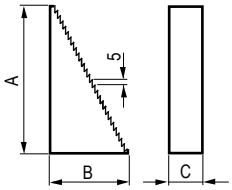
MODULAR CLAMPING TOOLS Material: Aluminum

STAFFAGGI ASSORTITI IN ALLUMINIO - ALUMINIUM ASSORTED CLAMPING TOOLS

Art. S115

Appoggi dentati / Toothed supports



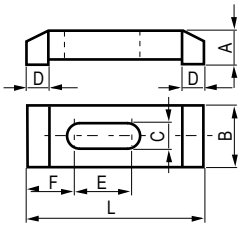


Dimensioni mm / Dimensions mm	A	B	C	D	E	F	G	L	gr	Cod.	
	34	28	25						35	S115.00001	
	66	38	25						100	S115.00002	
	128	70	25						280	S115.00003	

Art. S215

Staffe doppie / Double clamps



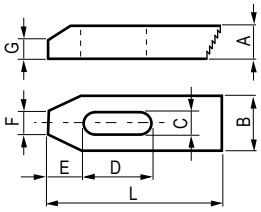


Dimensioni mm / Dimensions mm	A	B	C	D	E	F	G	L	gr	Cod.	
	15	25	9	11	28	20		65	40	S215.00065	
	20	25	9	14	40	20		100	85	S215.00100	
	20	30	9	18	65	24		150	150	S215.00150	

Art. S225

Staffe dentate / Toothed clamps



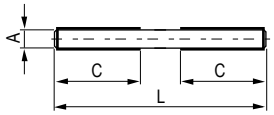


Dimensioni mm / Dimensions mm	A	B	C	D	E	F	G	L	gr	Cod.	
	13	25	9	25	16	10	11	65	43	S225.00065	
	17	25	9	46	20	11	11	100	92	S225.00100	
	17	30	9	82	23	12	12	150	162	S225.00150	

Art. S325

Prigionieri singoli in acciaio zincati
Single studs in zinked steel



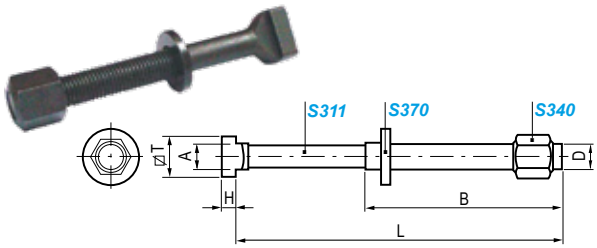


Dimensioni mm / Dimensions mm	A	B	C	D	E	F	G	L	gr	Cod.	
	M8		40					100	31	S325.08100	
	M8		40					125	39	S325.08125	
	M8		40					150	47	S325.08150	
	M8		40					175	54	S325.08175	
	M8		40					200	62	S325.08200	

BULLONERIA VARIA Materiale: UNI 42CrMo4 a norma ASTM A193-B7 Classe 10.9
NUTS AND BOLTS Material: UNI 42CrMe4 according to standard ASTM A193 B7 Class 10.9

Art. S310

Vite testa martello completa di dado **S340** e rondella **S370**
Hammerheads bolts complete with nut **S340** and washer **S370**

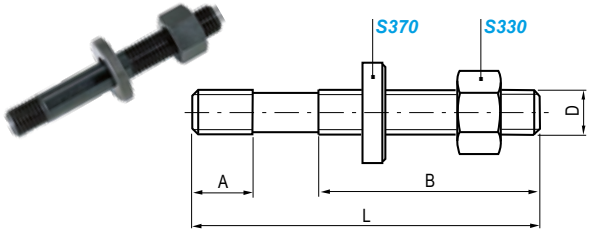


Filetto ottenuto per rollatura / Rolled thread

Dimensioni mm / Dimensions mm	A	B	D	H	L	T	gr	Cod.
	11,7	55	M12	7	80	18	125	S310.12080
	11.7	75	M12	7	125	18	150	S310.12125
	13,7	65	M14	8	100	22	215	S310.14100
	13,7	100	M14	8	150	22	270	S310.14150
	15,7	63	M16	9	100	25	270	S310.16100
	15,7	100	M16	9	150	25	345	S310.16150
	17,7	100	M18	10	150	28	450	S310.18150
	17,7	125	M18	10	200	28	530	S310.18200
	19,7	100	M20	12	150	32	600	S310.20150
	19,7	125	M20	12	200	32	700	S310.20200

Art. S320

Prigionieri completi di dado **S330** e rondella **S370**
Studs complete with short nut **S330** and washer **S370**



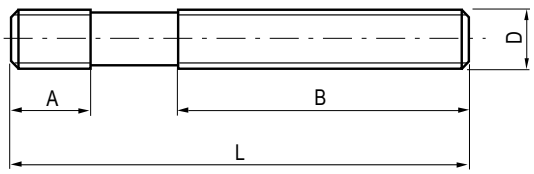
Filetto ottenuto per rollatura / Rolled thread

13	50	M10		80		65	S320.10080
13	75	M10		100		75	S320.10100
15	50	M12		80		95	S320.12080
15	100	M12		160		155	S320.12160
17	63	M14		100		160	S320.14100
17	100	M14		160		215	S320.14160
19	75	M16		125		235	S320.16125
19	100	M16		160		295	S320.16160
23	75	M18		125		300	S320.18125
23	100	M18		160		355	S320.18160

Art. S321

Prigionieri singoli
Single studs





Filetto ottenuto per rollatura / Rolled thread

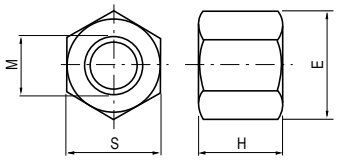
14	25	M10		60		30	S321.10060
14	30	M10		80		40	S321.10080
14	35	M10		100		50	S321.10100
14	40	M10		120		65	S321.10120
14	50	M10		160		80	S321.10160
14	60	M10		200		100	S321.10200
15	32	M12		60		45	S321.12060
15	50	M12		80		55	S321.12080
15	63	M12		100		70	S321.12100
15	75	M12		125		90	S321.12125
15	100	M12		160		115	S321.12160
15	125	M12		200		140	S321.12200
19	35	M16		65		85	S321.16065
19	50	M16		80		105	S321.16080
19	75	M16		125		160	S321.16125
19	100	M16		160		220	S321.16160
19	125	M16		200		280	S321.16200
19	160	M16		250		325	S321.16250

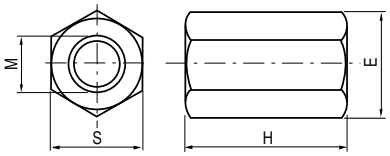
! Si eseguono su richiesta misure non a catalogo / Other sizes can be supplied on request

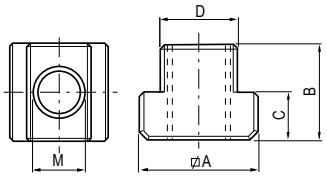
BULLONERIA VARIA Material: UNI 42CrMo4 according a norma ASTM A193-B7 Classe 10.9
NUTS AND BOLTS Material: UNI 42CrMo4 according to standard ASTM A193-B7 Class 10.9

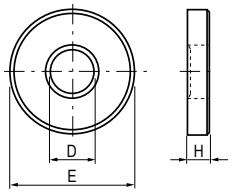
DADI e RONDELLE - NUTS and WASHERS

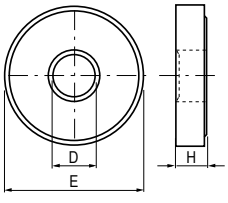
Dimensioni mm / Dimensions mm	A	B	C	D	E	H	M	S	T	gr		Cod.
Art. S340 Dadi alti torniti - Turned tall nuts					21,5	18	M12	19		28		S340.12018
					25	21	M14	22		45		S340.14021
					27,5	24	M16	24		58		S340.16024
					31	27	M18	27		83		S340.18027
					34,6	30	M20	30		110		S340.20030
Art. S350 *Ex .Art. S360* Dadi prolungamento - Extension nuts					19,6	30	M10	17		42		S350.10030
					21,5	36	M12	19		64		S350.12036
					25	42	M14	22		95		S350.14042
					27,5	48	M16	24		120		S350.16048
					31	54	M18	27		170		S350.18054
Art.287 Dadi per cave a "T" - Nuts for "T" slots	18	14	7	11,7			M10			12	12	2.28.72000 / 12
	22	16	8	13,7			M12			22	14	2.28.72000 / 19
	25	18	9	15,7			M14			37	16	2.28.740000 / 27
	28	20	10	17,7			M16			59	18	2.28.740000 / 32
	32	24	12	19,7			M18			82	20	2.28.760000 / 39
Art. S370 Rondelle normali tornite - Flat washer				10,5	22	4				9		S370.00010
				13	28	5				20		S370.00012
				15	35	6				35		S370.00014
				17	35	6				35		S370.00016
				19	40	6				45		S370.00018
Art. S380 Rondelle alte tornite - Thick washer				10,5	35	8				55		S380.00010
				13	40	8				70		S380.00012
				15	40	10				85		S380.00014
				17	45	10				105		S380.00016
				19	45	10				100		S380.00018

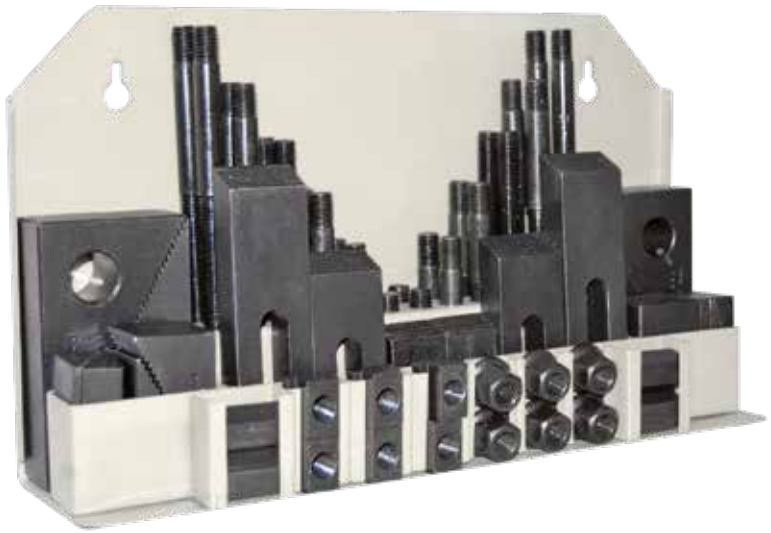



! Si eseguono su richiesta misure non a catalogo / Other sizes can be supplied on request

ELEMENTI MODULARI DI STAFFAGGIO **Materiale: Acciaio da bonifica verniciato**
MODULAR CLAMPING TOOLS Material: Hardened painted steel

KIT STAFFAGGI DA 58 PEZZI - CLAMPING KIT / 58 PIECES

Con appoggi dentati e staffe dentate - With step bloks & stepped strap clamping



Ciascun kit include tutti i più importanti elementi di staffaggio per serrare una varietà di particolari. La tabella sottostante indica il contenuto di ogni tipologia di kit di staffaggi adatta per differenti dimensioni di cave a "T"

Each kit consists of all important clamping elements required to clamp a variety of work pieces. Following table shows the contents of each model of clamping kit suitable for different T-Slot sizes.

Art. G410

Il Clamping Kit GERARDI da 58 pezzi è disponibile in una elegante rastrelliera che può essere appesa alle macchine o su una parete o appoggiata ad una banco.

GERARDI Clamping Kit - 58 pieces is available in an attractive powder coated metallic rack which can be hanged on machines or a wall or kept on a table.

Cod.	G410.581210	G410.581410	G410.581412	G410.581612	G410.581812	G410.581816	G410.582016	G410.582216
Descrizione prodotto / Product Description	**T-SLOT SIZE 12mm**	**T-SLOT SIZE 14mm**	**T-SLOT SIZE 14mm**	**T-SLOT SIZE 16mm**	**T-SLOT SIZE 18mm**	**T-SLOT SIZE 18mm**	**T-SLOT SIZE 20mm**	**T-SLOT SIZE 22mm**
Dadi a **T** / **T** nuts **(6 pcs)**	TN-12-M10	TN-14-M10	TN-14-M12	TN-16-M12	TN-18-M12	TN-18-M16	TN-20-M16	TN-22-M16
Prigionieri / Clamping studs **(4 pcs)**	CS-10-75 CS-10-100 CS-10-125 CS-10-150 CS-10-175 CS-10-200	CS-10-75 CS-10-100 CS-10-125 CS-10-150 CS-10-175 CS-10-200	CS-12-75 CS-12-100 CS-12-125 CS-12-150 CS-12-175 CS-12-200	CS-12-75 CS-12-100 CS-12-125 CS-12-150 CS-12-175 CS-12-200	CS-12-75 CS-12-100 CS-12-125 CS-12-150 CS-12-175 CS-12-200	CS-16-75 CS-16-100 CS-16-125 CS-16-150 CS-16-175 CS-16-200	CS-16-75 CS-16-100 CS-16-125 CS-16-150 CS-16-175 CS-16-200	CS-16-75 CS-16-100 CS-16-125 CS-16-150 CS-16-175 CS-16-200
Dadi flangiati / Flanged nuts **(6 pcs)**	FN-10	FN-10	FN-12	FN-12	FN-12	FN-16	FN-16	FN-16
Dadi prolungamento / Extension nuts **(4 pcs)**	EN-10	EN-10	EN-12	EN-12	EN-12	EN-16	EN-16	EN-16
Staffe dentate / Stepped strap clamps **(2 pcs)**	SSC-10-60 SSC-10-80 SSC-10-120	SSC-10-60 SSC-10-80 SSC-10-120	SSC-12-65 SSC-12-100 SSC-12-125	SSC-12-65 SSC-12-100 SSC-12-125	SSC-12-65 SSC-12-100 SSC-12-125	SSC-16-75 SSC-16-125 SSC-16-160	SSC-16-75 SSC-16-125 SSC-16-160	SSC-16-75 SSC-16-125 SSC-16-160
Appoggi dentati / Step blocks **(4 pcs)**	SB-1 SB-2 SB-3	SB-1 SB-2 SB-3	SB-1 SB-2 SB-3	SB-1 SB-2 SB-3	SB-1 SB-2 SB-3	SB-1 SB-2 SB-3	SB-1 SB-2 SB-3	SB-1 SB-2 SB-3
N° totale pezzi / Total n. of pieces	**58 pieces**	**58 pieces**	**58 pieces**	**58 pieces**	**58 pieces**	**58 pieces**	**58 pieces**	**58 pieces**
Peso lordo totale / Total gross weight	9 kg	9 kg	13 kg	13 kg	13 kg	18 kg	18,5 kg	19 kg

ELEMENTI MODULARI DI STAFFAGGIO **Materiale: Acciaio da bonifica verniciato**

MODULAR CLAMPING TOOLS Material: Hardened painted steel

KIT STAFFAGGI DA 34 PEZZI - CLAMPING KIT / 34 PIECES

Con piastre di appoggio regolabili e piastre dentate - With adjustable support plates & strap clamps



Il Clamping Kit GERARDI da 34 pezzi è un clamping kit economico alloggiato in una elegante scatola di legno.

GERARDI Clamping Kit - 34 pieces is an economical clamping kit housed in an elegant wooden box.

Art.G411

La tabella sottostante indica il contenuto di ogni tipologia di kit di staffaggi adatta per different dimensioni di cave a "T"

Following table shows the contents of each model of clamping kit suitatable for different T-Slot sizes.

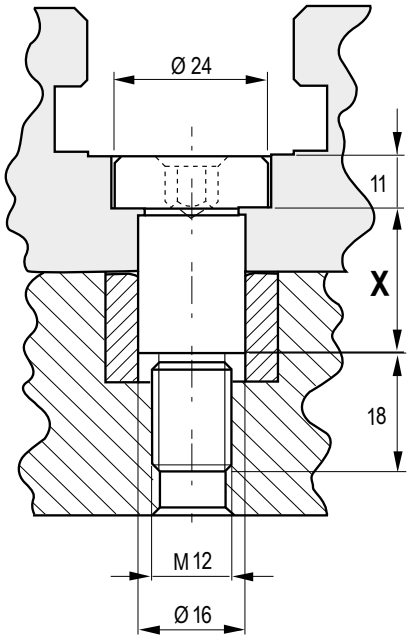
Descrizione Contenuto / Contents Description	Cod.	G411.341412	G411.341612	G411.341812
		T-SLOT SIZE 14mm	T-SLOT SIZE 16mm	T-SLOT SIZE 18mm
Dadi a **T** / **T** nuts **(4 pcs)**		TN14-M12	TN16-M12	TN18-M12
Prigionieri Clamping studs **(4 pcs)**		CS-12-75 CS-12-100 CS-12-150 CS-12-200	CS-12-75 CS-12-100 CS-12-150 CS-12-200	CS-12-75 CS-12-100 CS-12-150 CS-16-200
Dadi flangiati / Flanged nuts **(2 pcs)**		FN-12	FN-12	FN-12
Dadi prolungamento / Extension nuts **(2 pcs)**		EN-12	EN-12	EN-12
Staffe dentate Stepped strap clamps **(2 pcs)**		SSC-12-100 SSC-12-125	SSC-12-100 SSC-12-125	SSC-12-100 SSC-12-125
Piastre di appoggio regolabili Adjustable support plates **(2 pcs)**		ASP-250 ASP-2100	ASP-250 ASP-2100	ASP-250 ASP-2100
N° totale pezzi / Total n. of pieces		**34 pieces**	**34 pieces**	**34 pieces**
Peso lordo totale / Total gross weight		-	-	-

ELEMENTI MODULARI DI STAFFAGGIO Materiale: Acciaio da bonifica verniciato
MODULAR CLAMPING TOOLS Material: Hardened painted steel

VITI CALIBRATE - CALIBRATED SCREWS

Art.83

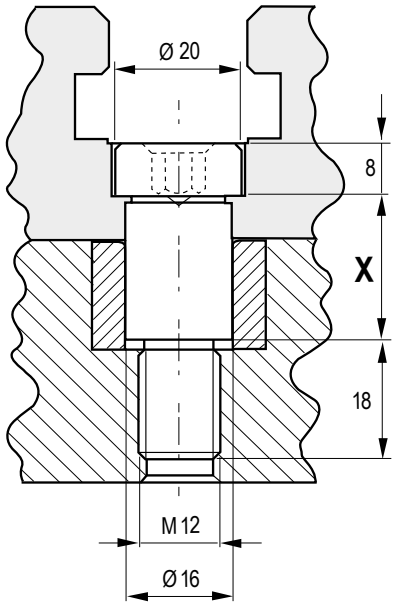
Vite calibrata a colletto
Shoulder calibrated screw



Dimensioni mm / Dimensions mm	X = mm	gr	Cod.	
	30	60	8.83.16300	
	35	70	8.83.16350	
	40	80	8.83.16400	
	45	90	8.83.16450	
	50	90	8.83.16500	
	55	100	8.83.16550	
	60	100	8.83.16600	
	65	110	8.83.16650	
	70	120	8.83.16700	
	75	130	8.83.16750	
	80	140	8.83.16800	
	85	150	8.83.16850	
	90	160	8.83.16900	
	95	170	8.83.16950	
	100	180	8.83.16100	

Art.83B

Vite calibrata a colletto
Shoulder calibrated screw

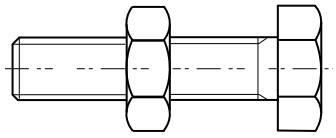


	20	50	8.83.B1620	
	25	50	8.83.B1625	
	30	60	8.83.B1630	
	35	60	8.83.B1635	
	40	70	8.83.B1640	
	45	80	8.83.B1645	
	50	90	8.83.B1650	
	55	90	8.83.B1655	
	60	100	8.83.B1660	
	65	110	8.83.B1665	
	70	120	8.83.B1670	
	75	130	8.83.B1675	
	80	140	8.83.B1680	
	85	150	8.83.B1685	
	90	160	8.83.B1690	
	95	170	8.83.B1695	
	100	180	8.83.B1610	

BULLONERIA VARIA
BUSHINGS AND BOLTS

Art.83C

Vite riscontro
Bolt travel limit

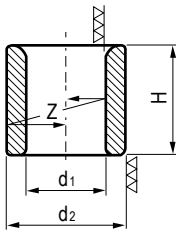


Dimensioni mm / Dimensions mm	Peso gr Weight	Cod.	
M10 x 50		8.83C.413010	
M10 x 60		8.83C.413020	
M12 x 50		8.83C.513010	
M12 x 60		8.83C.513020	

Art.83D

Bussole di centraggio in acciaio speciale cementato **HRc60. DIN 179C - 12 / 16 / 20 mm**

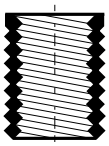
Centering bushing are in special alloy steel case hardened and heat treated hardness **HRc60. DIN 179C - 12 / 16 / 20 mm**



Dimensioni mm / Dimensions mm	d2	H	Z	Cod.	
12F7	18n6	12	0,01	8.83.D0000/12	
16F7	26n6	16	0,01	8.83.D0000/16	
20F7	30n6	20	0,01	8.83.D0000/20	

Art.83E

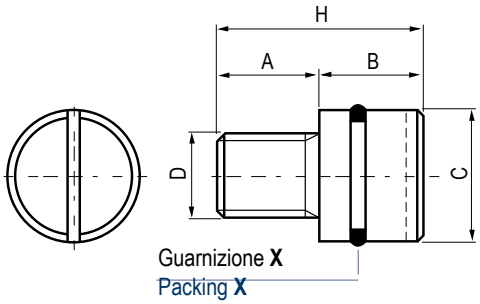
Filetti riportati in acciaio INOX **M10 / M12 / M16**
M10 / M12 / M16 steinless steel helicoil



	Cod.	
	8.83.E0000/10	
	8.83.E0000/12	
	8.83.E0000/16	

Art.84

Tappi di chiusura (Alluminio)
Plug (Aluminium)



Guarnizione **X**
Packing **X**

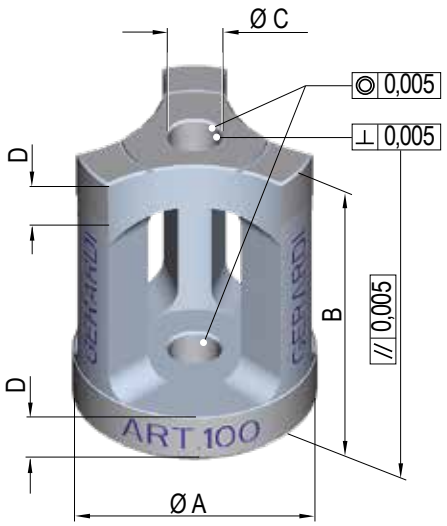
Dimensioni mm / Dimensions mm	B	C	D	H	X	Cod.	
10	11	12	M10	21	OR.108	8.84.403010	
15	16	16	M12	31	OR.3043	8.84.503010	
15	19	20	M16	34	OR.119	8.84.603010	

PORTAPEZZI MODULARI - STAFFE INTELLIGENTI
MODULAR PIECE-HOLDERS - INTELLIGENT CLAMPS

Art.100

Staffe intelligenti
Intelligent clamp

Dolci o temprate
Soft or hardened



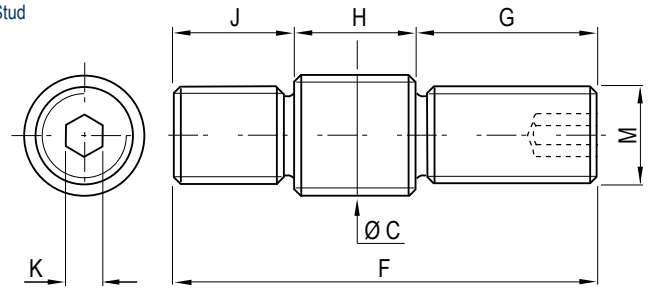
Dimensioni mm / Dimensions mm A	B	C	D	Cod.
80	100	16	16	8.10.08010
100	100	20	20	8.10.01010
100	120	20	20	8.10.01012

A richiesta anche speciali / On request taylor made

Art.101

Dadi e rondelle inclusi
Including washer and nuts

Prigioniero
Stud



PRIGIONIERO - STUD E	F	G	H	J	K	M	Cod.
16	80	30	30	20	6	16	8.10.12080
20	100	35	40	25	6	20	8.10.12410
20	120	40	50	30	6	24	8.10.13012

A richiesta anche speciali / On request taylor made



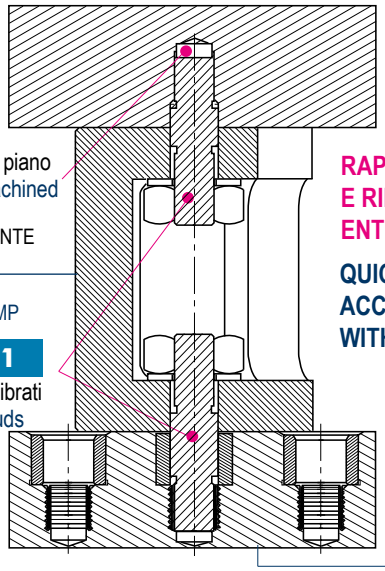
Art. 376 in dotazione / Standard equipment

1- Un primo lato del particolare da lavorare deve prima essere finito e predisposto per adattarsi alle staffe **G.i.** Normalmente si devono realizzare fori di precisione con filetto finale che servono per il posizionamento e l'ancoraggio superiore delle staffe **G.i.**

2- Ancoraggio inferiore delle staffe **G.i.** sulla Vostra tavola a reticolo, oppure tramite una piastra a reticolo di interfacciamento se la Vostra tavola non può adattarsi alle staffe **G.i.**

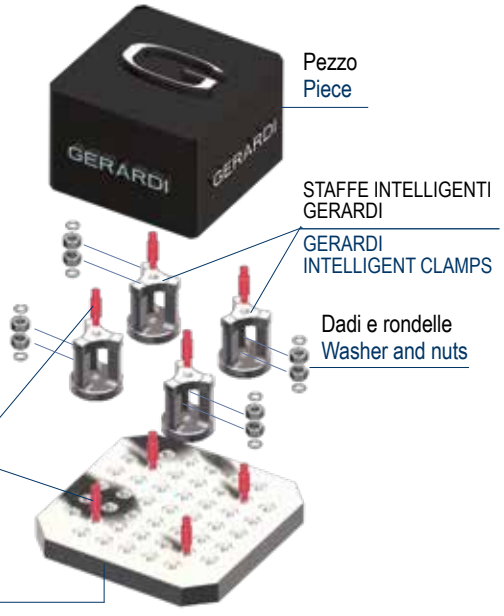
1- The first face of the work piece must be finished to fit the new **G.i.** clamps. This means to make precision holes with a bottom thread which is used to fix the upper part of the **G.i.** clamps.

2- Fix the lower part of the **G.i.** clamps to the modular grid table or to another modular grid plate for interfacing with the normal table.



RAPIDITA' DI STAFFAGGIO E RIPOSIZIONAMENTO ENTRO 0,02mm

QUICK CLAMPING AND ACCURATE POSITIONING WITHIN 0,02mm



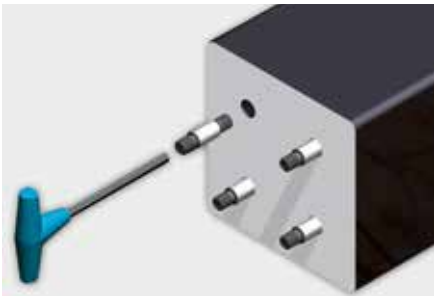
FASI DI LAVORAZIONI CON LE STAFFE INTELLIGENTI Gi
WORK CYCLE OPERATIONS WITH INTELLIGENT CLAMPS Gi



1

Lavorazione della prima faccia del pezzo grezzo e realizzazione delle sedi dei prigionieri con interassi simili al vostro piano a reticolo

First face of the rough workpiece must be finished including precision holeswith bottom thread with same pitch of your grid plate for placing stud

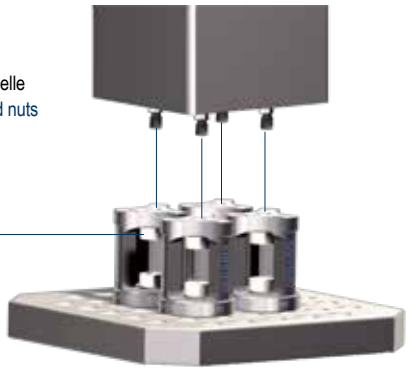


2

Inserire i prigionieri nella faccia del pezzo lavorato
Place the studs in the finished face



Dadi e rondelle
Washer and nuts





3 Fissare le staffe G.i. sul piano a reticolo per mezzo dei prigionieri
Fix the G.i. clamps on the grid plate through the studs

4 Sollevare il pezzo con inseriti i prigionieri e fissarlo sulle staffe **G.i.** tramite i dadi
Lift the workpiece with the studs in position and fixed to the **G.i.** clamps through the nuts

5 Ora il pezzo è fissato e posizionato
Now the workpiece is fixed and positionedthe nuts

- Minimo ingombro e peso praticamente nullo ! Sistema semplificato al massimo !
- 5 lati liberi da lavorare senza alcun ingombro - Il percorso dell'utensile è libero e senza alcun intoppo
- Precisione di posizionamento facile e sicuro senza alcuna possibilità di spostamento in qualsiasi condizione di lavoro. Ripetibilità entro 0,02mm
- Semplicità, notevole risparmio di tempo e rapidità di staffaggio e posizionamento contemporanei
- Ammortamento praticamente immediato per i costi delle nuove staffe intelligenti **G.i.**
- Utilizzabili subito su qualsiasi Vs. tavola a reticolo oppure usando piastre di interfacciamento a reticolo se la Vs. tavola a cave non può adattarsi alle staffe **G.i.**
- Innalzamento automatico del Vs. pallet per centri di lavoro orizzontali che normalmente necessitano di una sovratavola per sfruttare a pieno la corsa verticale del mandrino
- Disponibili sia dolci che temprate

- A simple system - Light weight - Minimum overall dimensions
- 5 free faces of the work piece can be machined without interference and the cutting tool can travel freely
- Easy, safe rigid and very accurate workpiece holding repetability within 0,02mm.
- High time saving with simultaneaus and simple workpiece positioning and clamping
- Cost quickly recoverd in time saving
- Readily useable on grid tables or plates or using extra interface plates to the machine table
- Raises the work piece without the need for an extra over table. Thus allowing full utilization of the machine spindle vertical travel
- **G.i.** clamps available soft or hardened

