GERARDI

MULTITASKING & COMPACT GRIP
MORSE Autocentranti - Self-centering VISES



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VALIGETTA DI CAMPIONATURA ZERO POINT & MULTITASKING
SAMPLE KIT CASE STD 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

All'Interno - Inside:

Art.10A Art.11A	Art.645T	Art.655J
Art.645B	Art.640P	Art.370
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SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

SERIE SERIES			Morse Multitasking Multitasking vises	Morse Compact Grip Compact Grip vises	Sistema a coda di rondine Dove Tail fixtures
INSERTI GRIP INSERT GRIP			Liscio + Ruvido Smooth + Rough	Coda di Rondine Dove Tail	GRIP GRIP
POSSIBILITÀ DI POSSIBILITY OF				Lavorazioni a 5 assi 5 axis machining	Predisposizione Zero Point Zero Point Ready
PAGINE PAGES	Rialzi Risers	Sistema Idraulico Hydraulic system	Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use	Diagrammi forze di serraggio Clamping force diagrams

MORSE serie MULTITASKING
MULTITASKING series VISES

Morse per applicazioni avanzate su centri di lavoro a 5 assi, Autocentranti e / o eccentriche
Vises for advanced applications on 5 axis machining centres, Self-centering and / or eccentric

Di speciale interesse per gli utilizzatori di centri di lavoro a 5 assi, le morse MULTITASKING presentano le stesse caratteristiche costruttive illustrate per le morse della serie FMS e MULTIFLEX (accuratamente rettificate in acciaio ad alta resistenza cementato trattato termicamente).
Nata espressamente per i centri a 5 assi, la gamma MULTITASKING permette di intervenire sulle 5 facce del particolare in lavorazione con riferimenti precisi in spazi contenuti garantendo usure inesistenti e grande rigidità. Possibilità di ausilio di sistemi meccanici o idraulici o pneumatici. 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

*Of special interest to **5 axis centres** users **MULTITASKING** vises present the same building characteristics of FMS and MULTIFLEX vises, (Heat treatment and ground steel contruction throughout).*
Designed for 5 axis machines, **MULTITASKING** series of vises allow machining opareations on the 5 workpieces sides with perfect alignment in a space saving design, extremely high wear resistence, with reduced deflection.Possibility of mechanic or hydraulic or pneumatic devices application. **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

Art.640 *MULTITASKING vise*

Azionamento manuale - Serraggio meccanico
Manual Control - Mechanical Clamping





MILLERIGHE (passo 2mm)
Sistema di riposizionamento ganasce
MULTIROWS (pitch 2mm)
Jaws repositioning system

CARATTERISTICHE E VANTAGGI

- USURA INESISTENTE
- RAPIDITÀ DEI SERRAGGI
- MODULARITÀ & VERSATILITÀ
- PRECISIONI ±0,02mm
- RIGIDITÀ & SICUREZZA
- DESIGN COMPATTO E MANEGGEVOLEZZA
- AUTOCENTRANTI
- PREDISPOSIZIONE PER ZERO POINT
- UTILIZZO DISTANZIALI

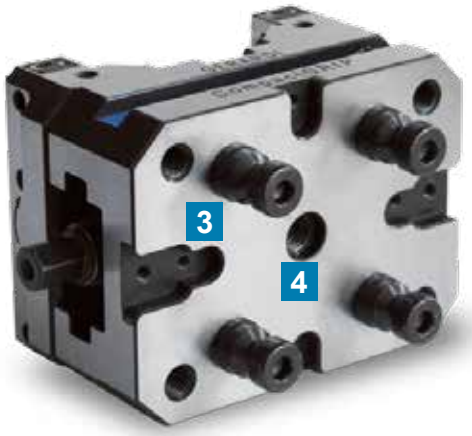
TECHNICAL FEATURES and ADVANTAGES

- NO WEAR
- QUICK CLAMPING
- MODULARITY & VERSATILITY
- HIGHEST ACCURACY ±0,02mm
- RIGIDITY & SAFETY
- SPACE SAVING DESIGN & HANDY
- SELF-CENTERING
- ZERO POINT READY
- COMPATIBLE RISERS

MORSE serie COMPACT GRIP
COMPACT GRIP series VISES

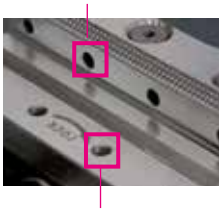
NEW!

Morse autocentranti con ganasce integrali reversibili, ideali per centri a 5 assi
Self-centering vise with reversible solid jaws, ideal for five axis machine centres





Fori passanti per montaggio piastre ganasce personalizzate.
Through holes for mounting tailor made jaw plates



Fori filettati per il fissaggio di distanziali personalizzati
Thread holes for mounting tailor made risers

Inserti riportati utilizzabili da entrambi i lati.



Inserts to be used on both sides

Art.650 ***COMPACT GRIP series***

Azionamento manuale - Serraggio meccanico
Manual Control - Mechanical Clamping



1 VERSATILITÀ

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). Versatilità grazie alle ganasce reversibili e alle 4 opzioni di posizionamento della base (90°) ed ai fori frontali passanti.

1 VERSATILITY

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. Versatility also thanks to the reversible jaws and to the 4 base positions option (90°) and to the front through holes.



2 GRANDE FORZA di SERRAGIO

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. Veloce sistema di regolazione autocentrante dall'alto tramite tasselli di azzeramento forniti in dotazione

2 HIGHEST CLAMPING POWER

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.
Easy self-centering adjustment from the top by key-nuts supplied as standard equipment.



3 COMPATIBILITÀ

Le basi delle morse Compact Grip offrono la massima compatibilità con i sistemi di cambio pallet già esistenti sul mercato

3 COMPATIBILITY

Compact grip vise bases are compatibile with the most popular pallet change systems.



4 PREDISPOSIZIONE ZERO POINT

Compatibilità con i sistemi di cambio pallet già esistenti sul mercato, ma anche con il nostro sistema Zero Point Tipo 1 e Tipo 2 ed il sistema di cambio rapido meccanico

4 ZERO POINT READY

Compatibility with the most popular pallet change systems, but also with our Zero Point Type 1 and Type 2 and with the mechanical quick change system.



RIALZI

Compatibili con le morse Multitasking e Compact Grip permettono di lavorare parti del particolare difficili da raggiungere.

RISERS

Compatible with Multitasking and Compact Grip vises they allow to machine those areas usually hard to reach.

7

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 e 2**

Rialzo Semplice
Simple Riser



Cod.	7.64.1H100	7.64.1H200

Vedi gamma completa - **See the complete range Page 7.14 / 7.15**

Art. 645B Ganascia dolce / Soft jaw



Cod.	6.64.5B100	6.64.5B200

Art. 645C Ganascia liscia / Smooth jaw



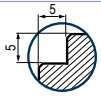
Cod.	6.64.5C100	6.64.5C200

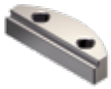
Art. 645D Ganascia zigrinata / Serrated jaw



Cod.	6.64.5D100	6.64.5D200

Art. 645E Ganascia a gradino / Step jaw
In Dotazione - Standard Equipment





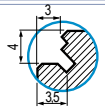
Cod.	6.64.5E100	6.64.5E200

Art. 645F Ganascia prismatica / Prismatic jaw



Cod.	6.64.5F100	6.64.5F200

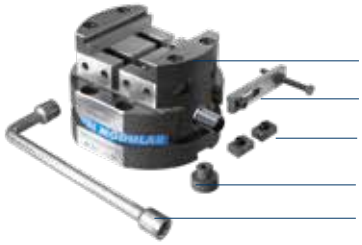
Art. 645T Ganascia GRIP / GRIP jaw



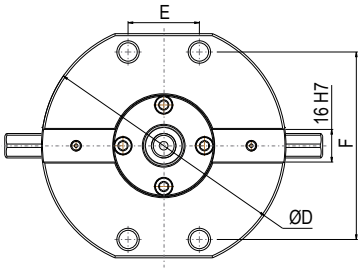


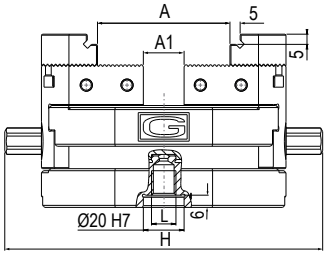
Cod.	6.64.5T100	6.64.5T200

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)**

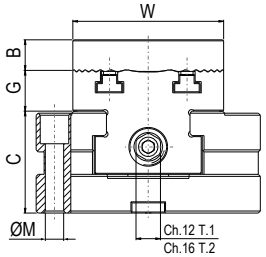




Art. 640 *Tipo / Type* **1 e 2**

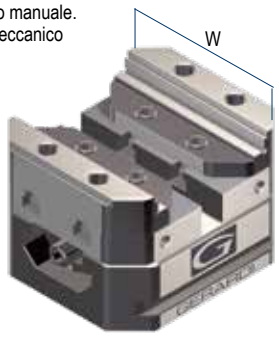
Esempio di ordine: *Art. 640 tipo 1*
(Art.297 18mm + Art.640P 40mm)

Example of order: *Art. 640 type 1*
(Art.297 18mm + Art.640P 40mm)



Tipo (grandezza) morsa / Vise (type) size	kN	3 30 kN
Art. 640 *Tipo / Type* **3 x 166**	A	108
	A1	20
	W	138
	B	30
	C	58
	D	166
	E	-
	kg	13
	Cod.	7.64.03166

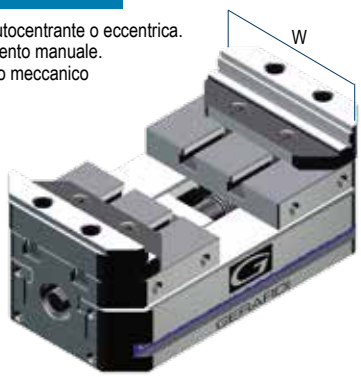
Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



Self-centering or eccentric vise.
Manual operation Mechanical clamping

Tipo (grandezza) morsa / Vise (type) size	kN	3 30 kN
Art. 640 *Tipo / Type* **3 x 266**	A	208
	A1	60
	W	138
	B	30
	C	58
	D	266
	E	200
	kg	20
	Cod.	7.64.03266

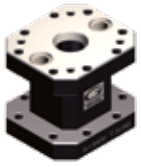
Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



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



Cod. 7.64.1H3166

Art. 641H
Tipo / Type **3 x 266**
Rialzo Semplice
Simple Riser



Cod. 7.64.1H3266

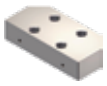
Vedi gamma completa - **See the complete range Page 7.14 / 7.15**

Art. 645B Ganascia dolce / Soft jaw



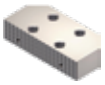
Cod. 7.64.5B300

Art. 645C Ganascia liscia / Smooth jaw



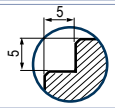
Cod. 7.64.5C300

Art. 645D Ganascia zigrinata / Serrated jaw



Cod. 7.64.5D300

Art. 645E Ganascia a gradino / Step jaw
In Dotazione - Standard Equipment





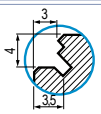
Cod. 7.64.5E300

Art. 645F Ganascia prismatica / Prismatic jaw



Cod. 7.64.5F300

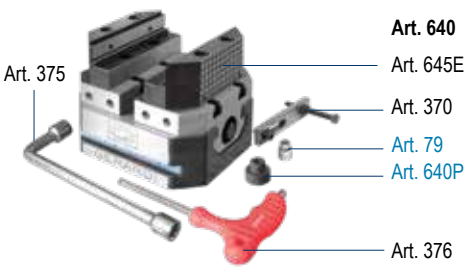
Art. 645T Ganascia GRIP / GRIP jaw



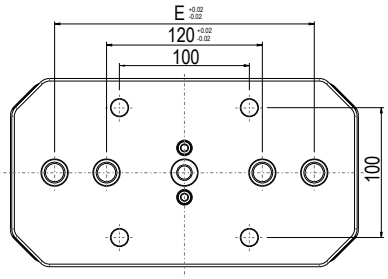


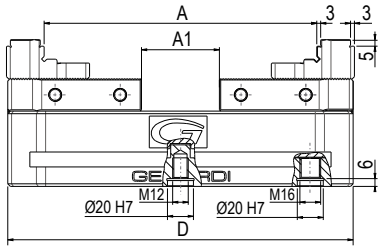
Cod. 7.64.5T300

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)**

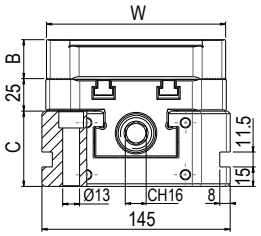




Art. 640 *Tipo / Type* **3**

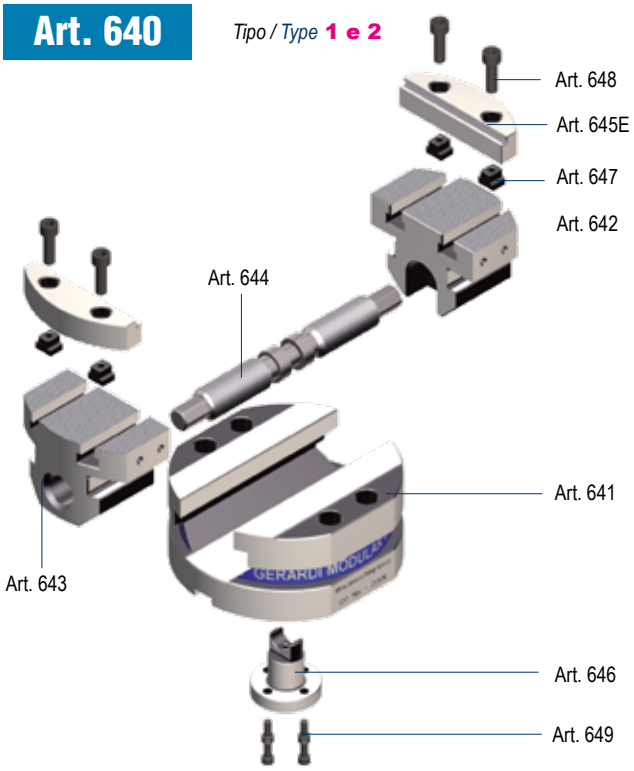
Esempio di ordine: *Art. 640 tipo 3 x 166 (Art.79 16mm + Art.640P 40mm)*
Example of order: *Art. 640 type 3 x 166 (Art.79 16mm + Art.640P 40mm)*

USARE STAFFE - USE SIDE CLAMPS
Art.298 *Tipo / Type* **1xM10 / 1xM12 / 1xM16**



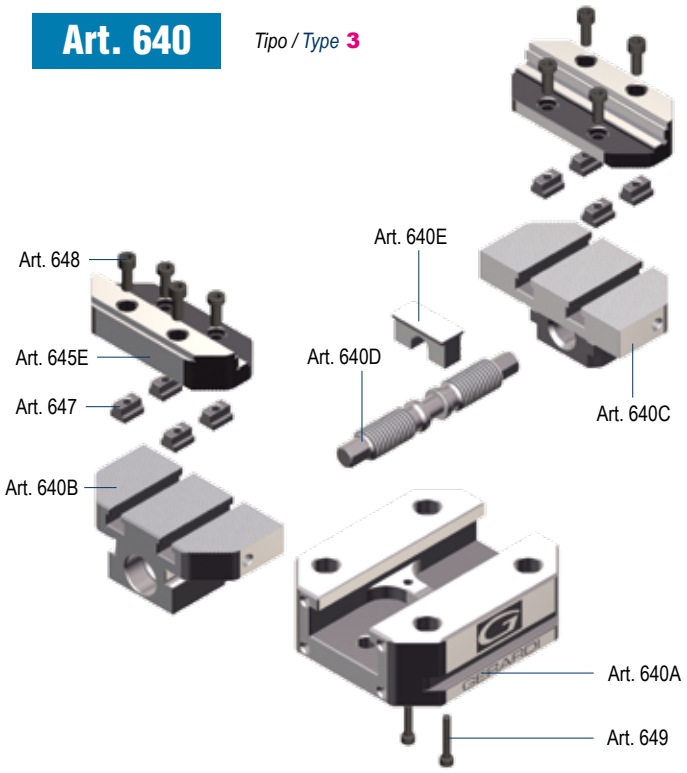
Art. 640

Tipo / Type **1 e 2**



Art. 640

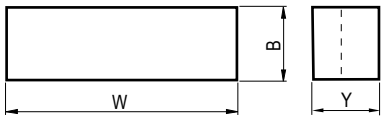
Tipo / Type **3**



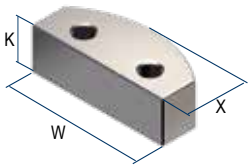
Tipo / Type		1	2
Art. 641 Corpo base Base body	Cod.	6.64.11000	6.64.12000
Art. 642 Slitta integrale destra Solid slide right hand	Cod.	6.64.21000	6.64.22000
Art. 643 Slitta integrale sinistra Solid slide left hand	Cod.	6.64.31000	6.64.32000
Art. 644 Vite di bloccaggio Main screw	Cod.	6.64.41000	6.64.42000
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
Art. 648 Vite per ganaascia Hex socked head screw for jaw	Cod.	6.64.81000	6.64.82000
Art. 649 Vite per forcella Hex socked head screw for yoke	Cod.	6.64.91000	6.64.92000

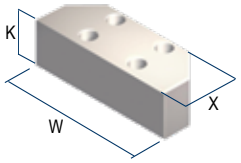
Tipo / Type		3 x 166	3 x 266
Art. 640A Corpo base Base body	Cod.	7.64.0A3166	7.64.0A3266
Art. 640B Slitta integrale sinistra Solid slide left hand	Cod.	7.64.0B3166	7.64.0B3266
Art. 640C Slitta integrale destra Solid slide right hand	Cod.	7.64.0C3166	7.64.0C3266
Art. 640D Vite di bloccaggio Main screw	Cod.	7.64.0D3166	7.64.0D32664
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	
Art. 648 Vite per ganascia Hex socked head crew for jaw	Cod.	7.64.83000	
Art. 649 Vite per forcella Hex socked head crew for yoke	Cod.	7.64.93000	

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

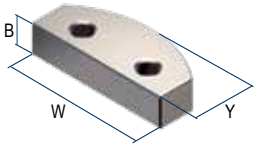
Art. 645B
Ganascia dolce
Soft jaw

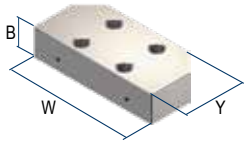




K	20	30		50
X	27,5	42,5		64
Cod.	6.64.5B100	6.64.5B200		7.64.5B300

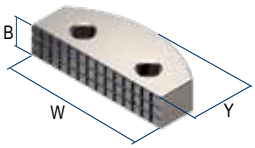
Art. 645C
Ganascia liscia
Smooth jaw

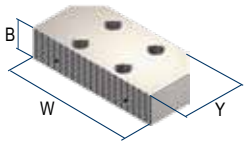




Cod.	6.64.5C100	6.64.5C200		7.64.5C300

Art. 645D
Ganascia zigrinata
Serrated jaw

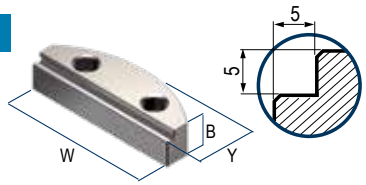


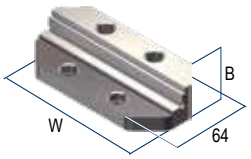


Cod.	6.64.5D100	6.64.5D200		7.64.5D300

Art. 645E
Ganascia a gradino
Step jaw

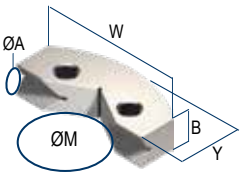
In Dotazione
Standard Equipment

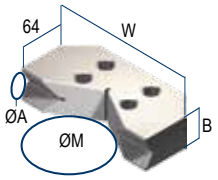




Cod.	6.64.5E100	6.64.5E200		7.64.5E300

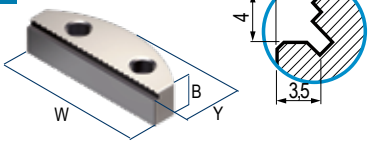
Art. 645F
Ganascia prismatica
Prismatic jaw

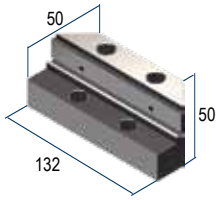




ØA	7 ÷ 15	9 ÷ 20		12 ÷ 30
ØM	25 ÷ 70	35 ÷ 110		50 ÷ 160
Cod.	6.64.5F100	6.64.5F200		7.64.5F300

Art. 645T
Ganascia GRIP Jaw



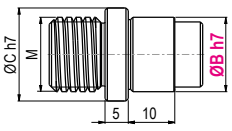


Cod.	6.64.5T100	6.64.5T200		7.64.5T300

Tipo (grandezza) / Type (size)		1	2	3
	ØC h7	-	-	20
	M	-	-	16
	ØB	-	-	10-12-14-16-18-20
	Cod.	-	-	7.79.20M16/ØB

Art. 79
Perno calibrato per centraggio e orientamento
Calibrated centering and orientation pin

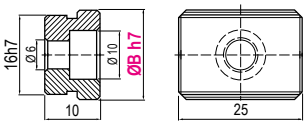




ØB	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36			-
Cod.	2.29.71000			-

Art. 297
Coppia di tasselli di posizionamento completi di vite M5 x 10
Pair of positioning key-nuts with M5 x 10 clamping screw

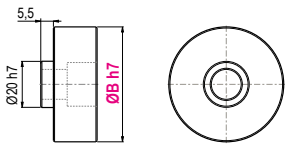




ØB	* Specificare	* Specify always		* Specify always
Cod.	7.64.0P100	7.64.0P200		7.64.0P100

Art. 640P
Perno calibrato per centraggio
Calibrated centering pin





* ***Specificare sempre quota ØB - Specify always ØB 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
Morsa autocentrante. Azionamento manuale Serraggio meccanico	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



Self-centering vise.
Manual operation Mechanical clamping

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 641H

Tipo / Type **1 e 2**

Rialzo Semplice
Simple Riser



Cod.	7.64.1H100	7.64.1H200

Vedi gamma completa - **See the complete range Page 7.14 / 7.15**

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) Ø**132**mm (instead of 120mm)

Art. 655J Coppia di ganasce integrali prismatiche / Prismatic solid jaws (1 pair)

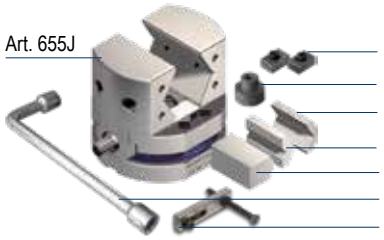
Da usare in coppia
To be used as a pair

In Dotazione - Standard Equipment



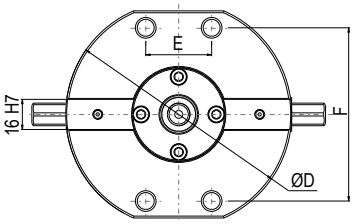
	30 ÷ 45	45 ÷ 70
Cod.	7.65.5J100	7.65.5J200

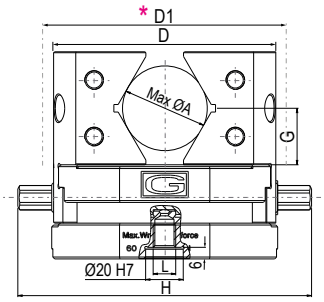
Dotazione standard:
- 1 chiave esagonale Art. 375 ■ 1 arresto laterale Art. 370
- 2 coppie di piastre Art. 655F (*Tot. 4 pezzi*) ■ 1 coppia di piastre dolci Art. 655B
- 1 coppia di tasselli di posizionamento Art. 297
- 1 perno calibrato per centraggio Art. 640P **(Indicare dimensione in fase di ordine)**



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

(Indicare dimensione in fase di ordine)

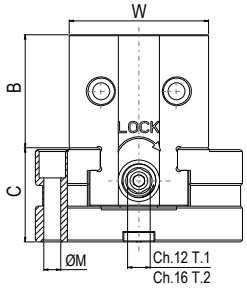




Art. 640J *Tipo / Type* **1 e 2**

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
Art. 640J *Tipo / Type* **3 x 166**	Ø A	44 ÷ 68
	A1	-
	W	78
	B	75
	C	58
	D	166
	E	-
	G	45
	kg	15
	Cod.	7.64.0J310

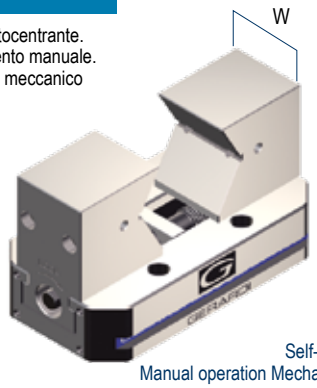
Morsa autocentrante.
Azionamento manuale.
Serraggio meccanico



Self-centering vise.
Manual operation Mechanical clamping

Tipo (grandezza) morsa / Vise (type) size	kN	3 30 kN
Art. 640J *Tipo / Type* **3 x 266**	Ø A	48 ÷ 102
	A1	66
	W	78
	B	95
	C	58
	D	266
	E	200
	G	55
	kg	22
	Cod.	7.64.0J320

Morsa autocentrante.
Azionamento manuale.
Serraggio meccanico



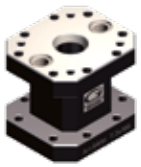
Self-centering vise.
Manual operation Mechanical clamping

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 641H

Tipo / Type **3 x 166**

Rialzo Semplice
Simple Riser



Cod.	7.64.1H3166

Art. 641H

Tipo / Type **3 x 266**

Rialzo Semplice
Simple Riser



Cod.	7.64.1H3266

Vedi gamma completa - **See the complete range Page 7.14 / 7.15**

Art. 655B — Piastra ganascia dolce / Soft jaw-plate



Cod.	7.65.5B316

Art. 655C — Piastra ganascia liscia / Smooth jaw-plata



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)

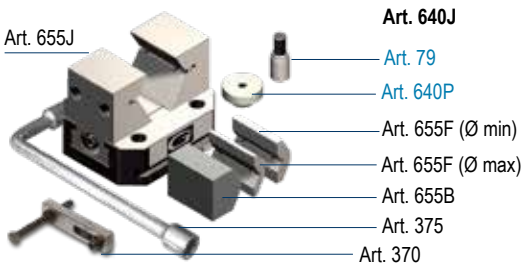
Da usare in coppia
To be used as a pair

In Dotazione - Standard Equipment

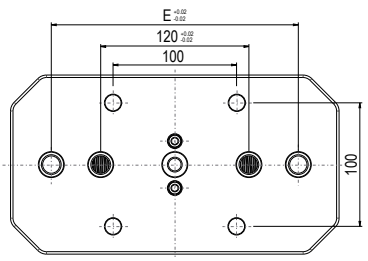


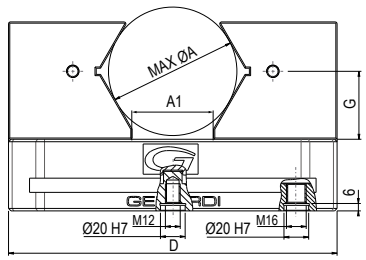
Ø	44 ÷ 68	48 ÷ 102
Cod.	7.65.5J316	7.65.5J326

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*)

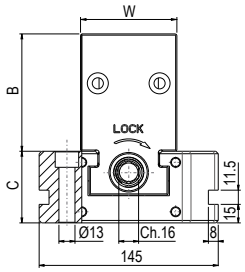




Art. 640J *Tipo / Type* **3**

Esempio di ordine: *Art.640J tipo 3 x 266*
(Art.79 *16mm* + *Art.640P 30mm*)
Example of order: *Art.640J type 3 x 266*
(*Art.79 16mm* + *Art.640P 30mm*)

USARE STAFFE - USE SIDE CLAMPS
Art.298 *Tipo / Type* **1xM10 / 1xM12 / 1xM16**



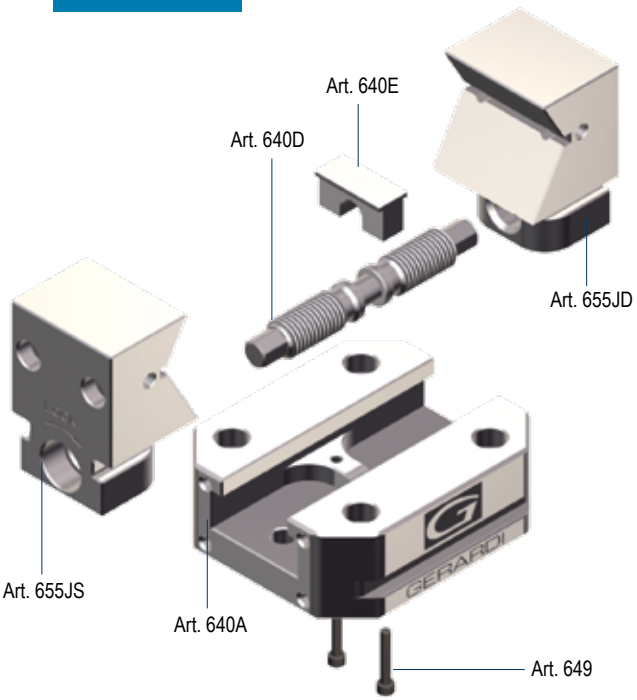
Art. 640J

Tipo / Type **1 e 2**



Art. 640J

Tipo / Type **3**



Tipo / Type		1	2
Art. 641 Corpo base Base body	Cod.	6.64.11000	6.64.21000
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.	7.64.5JS20	7.64.5JS10
Art. 646 Forcella Yoke	Cod.	6.64.61000	6.64.462000
Art. 649 Vite per forcella Hex socked head crew for yoke	Cod.	6.64.91000	6.64.492000

Tipo / Type		3 x 166	3 x 266
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. 649 Vite per forcella Hex socked head crew for yoke	Cod.	7.64.93000	

* **Art. 655JD** + **Art. 655JS** = **Art. 655J**

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 *Tipo / Type* **1 - 2** Coppia di ganasce integrali prismatiche Prismatic solid jaws (1 pair) In Dotazione - Standard Equipment	W	74	99	78	78
	K	60	80	75	95
	X	49	59	59	95
	Ø	30 ÷ 45	45 ÷ 70	44 ÷ 68	48 ÷ 102
	Cod.	7.65.5J100	7.65.5J200	7.65.5J316	7.65.5J326
Art. 655J *Tipo / Type* **3** In Dotazione - Standard Equipment					
Art. 655B Piastra ganascia dolce Soft jaw-plate	K	55	70	60	
	X	38	54	49	
	Cod.	7.65.5B100	7.65.5B200	7.65.5B316	
Art. 655C Piastra ganascia liscia Smooth jaw-plate	K	55	70	60	
	X	23	32	24	
	Cod.	7.65.5C100	7.65.5C200	7.65.5C316	
Art. 655D Piastra ganascia zigrinata Serrated jaw-plate	K	55	70	60	
	X	23	32	24	
	Cod.	7.65.5D100	7.65.5D200	7.65.5D316	

Tipo (grandezza) / Type (size)		1	2	3x166	3x266
Art. 655F Piastra ganascia prismatica Prismatic jaw-plate	K	43	54	60	60
	X	17	22	24	24
	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 Perno calibrato per centraggio e orientamento Calibrated centering and orientation pin	ØC h7	-	-	20
	M	-	-	16
	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		-
Art. 640P Perno calibrato per centraggio Calibrated centering pin	ØB	* Specificare	* Specify always	* Specify always
	Cod.	7.64.0P100	7.64.0P200	7.64.0P100

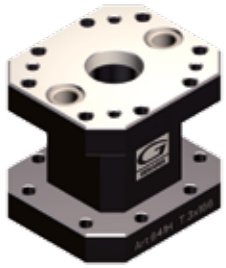
* ***Specificare sempre quota B - Specify always B dimension***

RIALZI IN ACCIAIO per MORSE Art.640
STEEL RISERS for VISES Art.640

Tipo Rialzo (grandezza) - Riser Type (size)	1				2			
Art. 641H								
Tipo / Type **1 e 2**								
Rialzo semplice Simple riser								
ØA	119				158			
C	50	75	100	130	50	75	100	130
F	9				11			
L	92				120			
M	35				35			
ØJ	50 H7				50 H7			
kg	2,4	3,6	4,5	5	4,7	7,4	9,2	10
Cod.	7.64.1H100/50	7.64.1H100/75	7.64.1H100/100	7.64.1H100/130	7.64.1H200/50	7.64.1H200/75	7.64.1H200/100	7.64.1H200/130



Tipo Rialzo (grandezza) - Riser Type (size)	3			
Art. 641H				
Tipo / Type **3 x 166**				
Rialzo semplice Simple riser				
A	166			
B	145			
C	50	75	100	145
D	120			
E	120			
L	140			
L1	60			
M	126			
M1	70			
ØJ	50 H7			
kg	7,5	8	9,6	14
Cod.	7.64.1H3166/50	7.64.1H3166/75	7.64.1H3166/100	7.64.1H3166/145



Tipo Rialzo (grandezza) - Riser Type (size)	3			
Art. 641H				
Tipo / Type **3 x 266**				
Rialzo semplice Simple riser				
A	266			
B	125			
C	50	75	100	145
D	200			
E	200			
L	240			
L1	160			
M	125			
M1	80			
ØJ	-			
kg	10,6	11,8	14,5	21,5
Cod.	7.64.1H3266/50	7.64.1H3266/75	7.64.1H3266/100	7.64.1H3266/145

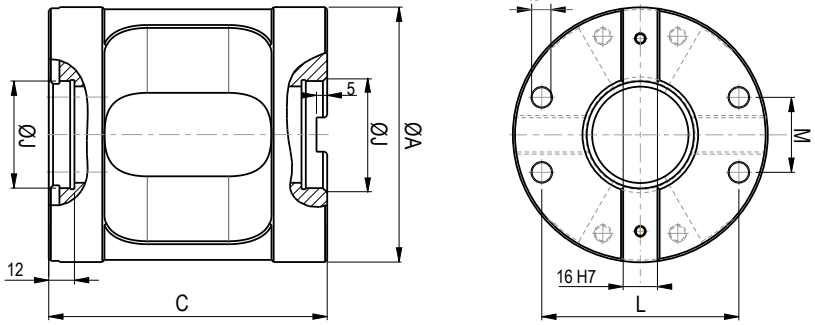


RIALZI IN ACCIAIO per MORSE Art.640
STEEL RISERS for VISES Art.640

Art. 641H

Tipo / Type **1 e 2**

Rialzo semplice
Simple riser

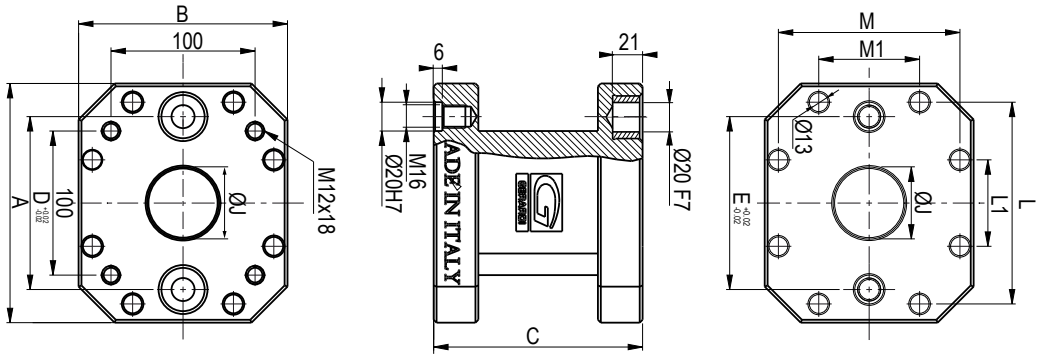




Art. 641H

Tipo / Type **3 x 166**

Rialzo semplice
Simple riser

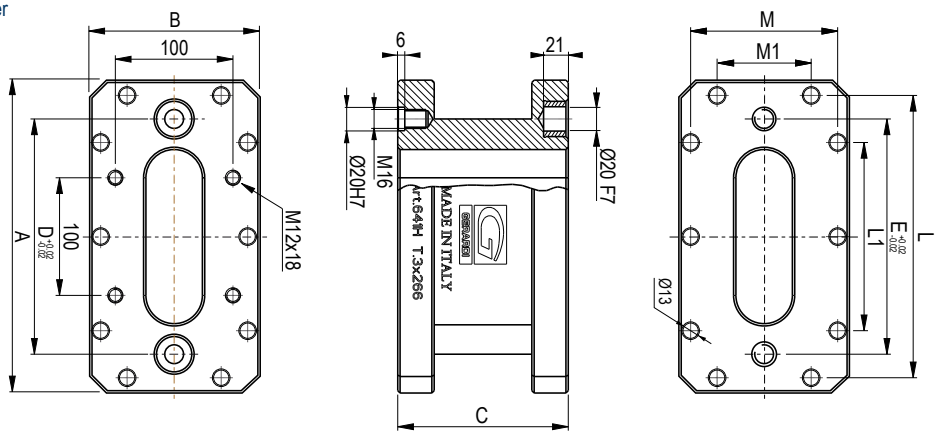


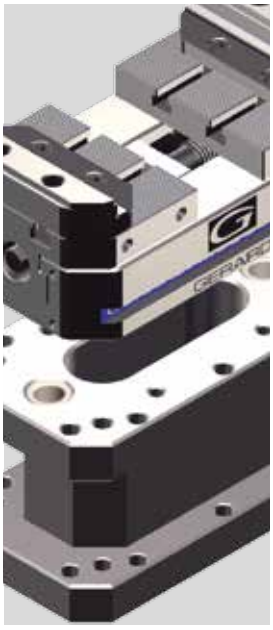


Art. 641H

Tipo / Type **3 x 266**

Rialzo semplice
Simple riser





7

ESEMPI APPLICATIVI MORSE COMPACT GRIP SU CENTRI DI LAVORO A 5 ASSI
COMPACT GRIP VISES APPLICATION EXAMPLES ON 5 AXIS MACHINES

NOVITA' ASSOLUTA
NEW!



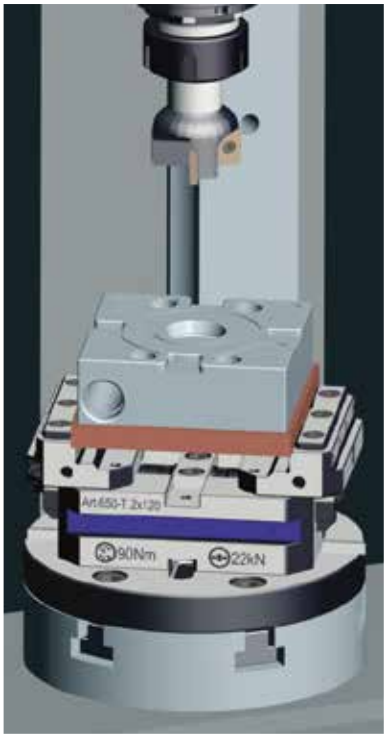


Art.650 Compact Grip

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.

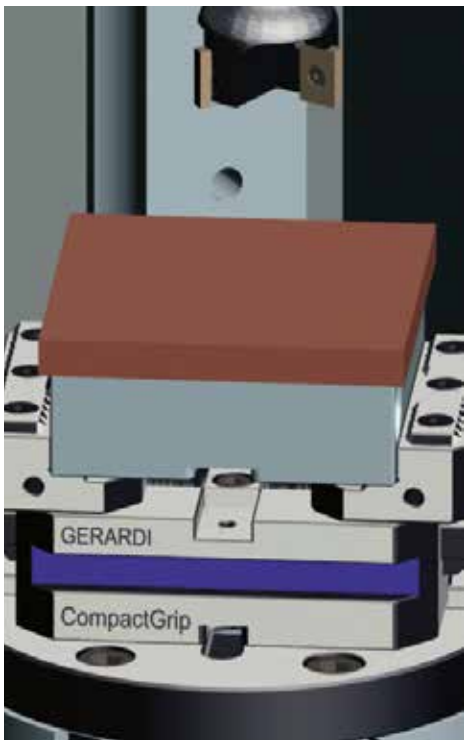




Tramite l'inserto Grip si esegue la sgrossatura e la finitura del pezzo sui cinque lati.
Through the Grip insert you can rough mill and finish the workpiece on five sides.



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

ESEMPI APPLICATIVI MORSE FMS SU CENTRI A 5 ASSI
FMS VISES APPLICATION EXAMPLES ON 5 AXIS MACHINES

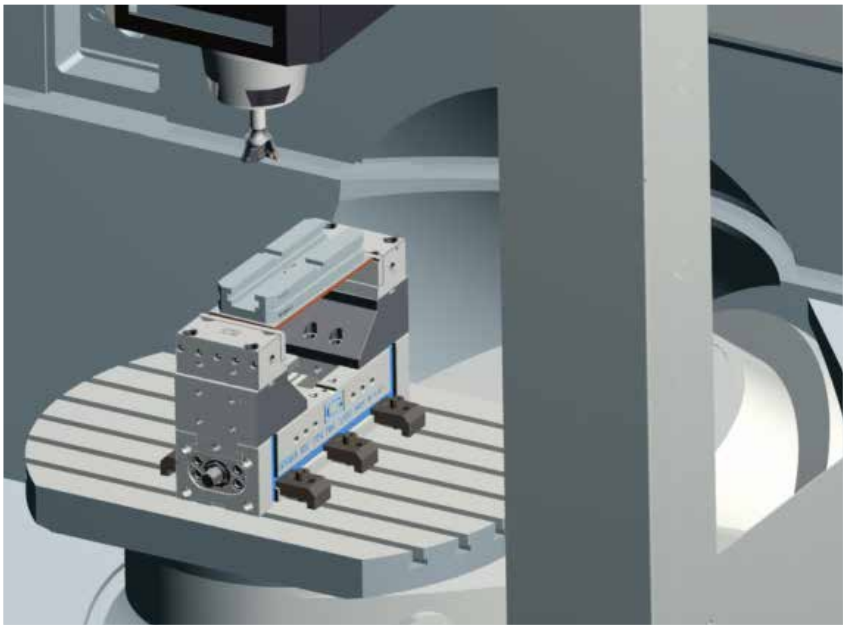
NEW!

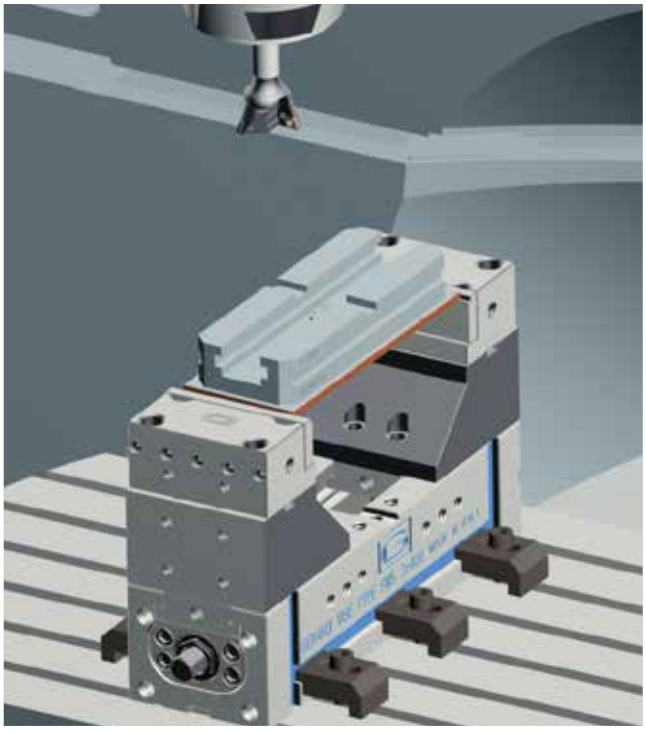
Art.868 FMS series

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.

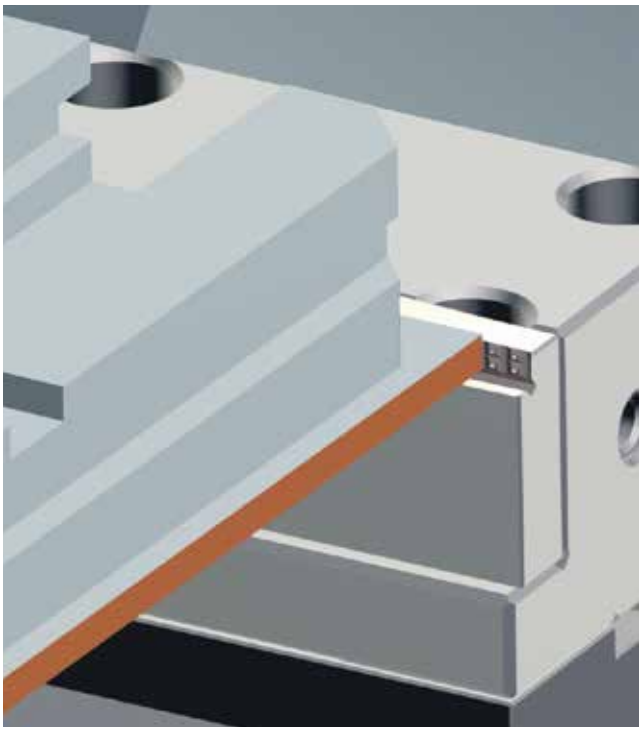
Thanks to the extreme versatility of the Gerardi Modular System even the FMS vises, properly reconfigured, can be used as Multitasking vises for 5 axis machine centres.
It will be enough to assemble the movable base Art.814 with the Art.805V jaws on the universal vise base module Art.855







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

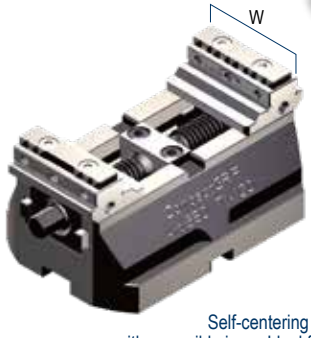
Tipo (grandezza) morsa / Vise (type) size	kN	1 12 kN		2 22 kN
A		48	88	128
A1			6	
W			50	
B			65	
C			45	
C1			53	
C2			61	
D			80	
E		80	120	160
F			52	
L			12	
L1			M8	
kg		1,8	2,6	3,4
Cod.		7.65.01080	7.65.01120	7.65.01160

Art. 650

Tipo / Type **1x120**

Morsa Autocentrante Compact Grip con ganasce reversibili, ideale per centri a 5 assi

COMPACT GRIP NEW!

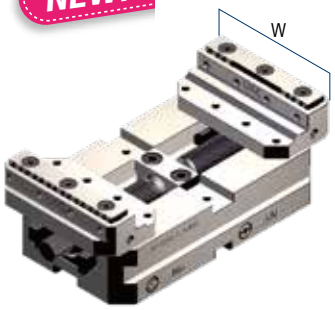


Self-centering Compact Grip vise. with reversible jaws, Ideal for five axis centres.

Art. 650

Tipo / Type **2x160**

COMPACT GRIP NEW!



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 651H

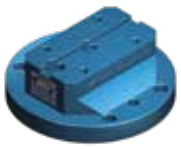
Tipo / Type **1**

Rialzo Semplice
Simple Riser



Vedi gamma completa - **See the complete range Page 7.26 / 7.27**

Cod.	7.65.1H108 / 100	7.65.1H112 / 100	7.65.1H116 / 100



Art. 651H

Tipo / Type **2**

Rialzo Semplice
Simple Riser

Art. 660

Interasse / Type
52 mm

Tavola cambio rapido
Quick change table



Vedi gamma completa - **See the complete range Page 7.28 / 7.29**

Cod.	9.66.05200



Art. 660

Interasse / Type
52 mm

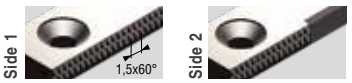
Tavola cambio rapido
Quick change table

Art. 650T G01

Inserti ganasce - Top jaw inserts
GRIP (Passo - Pitch 1,5mm)



Cod.	7.65.0T100/01
€	

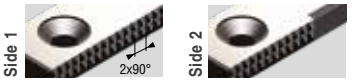


Art. 650T G02

Inserti ganasce - Top jaw inserts
GRIP (Passo - Pitch 2mm)



Cod.	7.65.0T100/02
€	



Art. 650T G11

Inserti ganasce - Top jaw inserts
GRIP (Passo - Pitch 11mm)

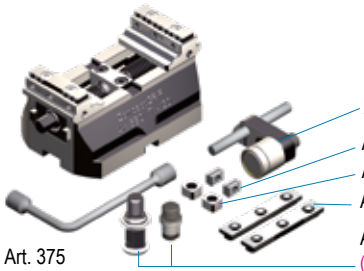


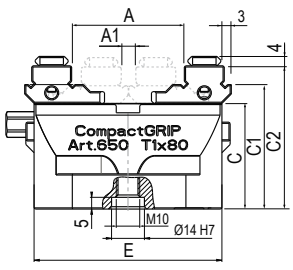
Cod.	7.65.0T100/11
€	

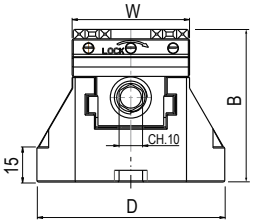


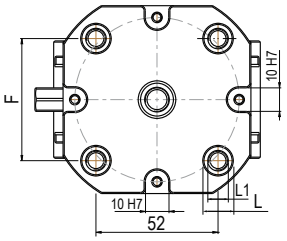
Dotazione standard:

■ 1 chiave a pipa Art.375 ■ 1 coppia di inserti Art.G11 ■ 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.11S ■ 1 arresto laterale Art.370 ■ 2 tasselli di posizionamento Art.297 ■ 2 tasselli per regolazione autocentrante Art.650G









Standard equipment:

■ 1 box wrench Art.375 ■ 1 pair of top jaw inserts Art.G11
■ 1 calibrated centering and orientation pin (Art.79) or 1 pull stud for zero point (Art.11A)
■ 2 positioning key-nuts Art.297 ■ 2 self-centering key-nuts Art.650G ■ 1 workstop Art.370

Art. 650

Tipo / Type **1**

USARE STAFFE
USE SIDE CLAMPS
Art.298 *Tipo / Type*
1xM10 / 1xM12 / 1xM16

	2					3				
kN	22 kN					32 kN				
A	96	136	176	216		126	176	226	276	326
A1	10					10				
W	88					123				
B	65					89				
C	38					57				
C1	51					75				
C2	61					85				
D	90					125				
E	120	160	200	240		160	210	260	310	360
F	52					96				
L	12					16				
L1	M8					M10				
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**

COMPACT GRIP NEW!



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 651H *Tipo / Type* **2**

Cod.	7.65.1H212 / 100	7.65.1H216 / 100	7.65.1H220 / 100	7.65.1H224 / 100



Art. 651H

Tipo / Type **3**

Vedi gamma completa - **See the complete range Page 7.26 / 7.27**

7.65.1H316 / 100	7.65.1H321 / 100	7.65.1H326 / 100	7.65.1H331 / 100	7.65.1H336 / 100

Art. 660 *Interasse / Type* **52mm**

Cod.	9.66.05200
€	



Art. 660

Interasse / Type
96 mm
Tavola cambio rapido
Quick change table

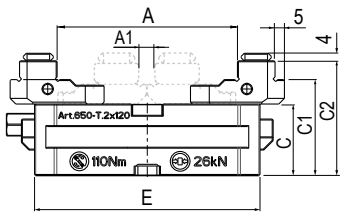
Vedi gamma completa - **See the complete range Page 7.28 / 7.29**

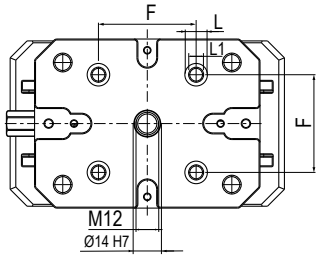
9.66.09600

Cod.	7.65.0T200/01	**Art. 650 G01** Per materiali di durezza normale For standard workpieces hardness clamping	7.65.0T300/01
€			

Cod.	7.65.0T200/02	**Art. 650 G02** Per materiali di notevole durezza For hardened workpieces clamping	7.65.0T300/02
€			

Cod.	7.65.0T200/11	**Art. 650 G11** Per materiali teneri For soft material clamping	7.65.0T300/11
€			

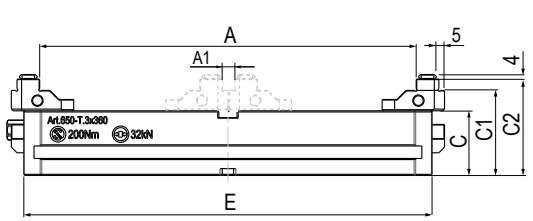


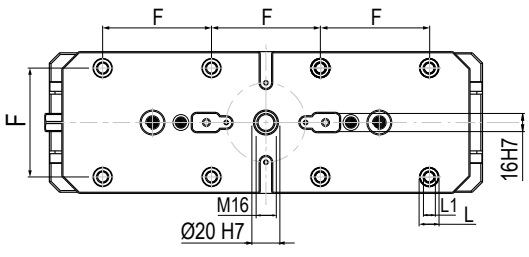


Art. 650

Tipo / Type **2**

USARE STAFFE
USE SIDE CLAMPS
Art.298 *Tipo / Type*
1xM10 / 1xM12 / 1xM16





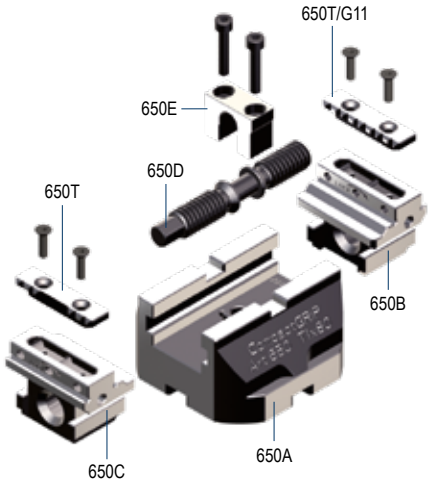
Art. 650

Tipo / Type **3**

USARE STAFFE
USE SIDE CLAMPS
Art.298 *Tipo / Type*
1xM10 / 1xM12 / 1xM16

Art. 650 *Tipo / Type* 1

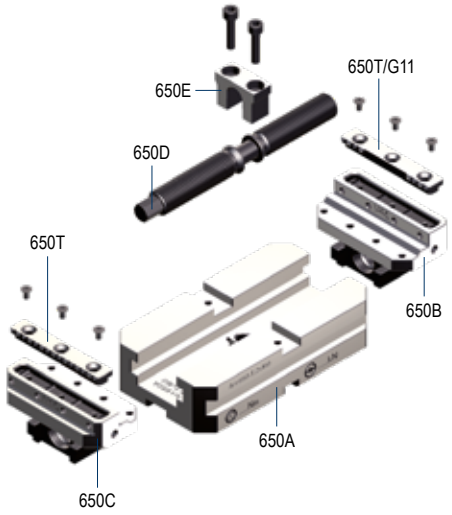
NEW!



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. 650E Forcella - Yoke	Cod.		7.65.0E1000	
Art. 650T / G11 Coppia di inserti ganasce Pair of top jaw inserts	Cod.		7.65.0T1000 / G11	

Art. 650 *Tipo / Type* 2

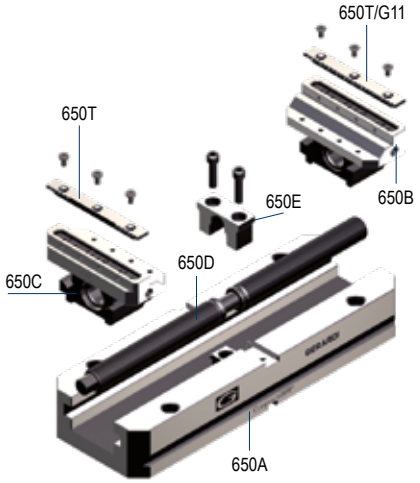
NEW!



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. 650E Forcella - Yoke	Cod.		7.65.0E2000		
Art. 650T / G11 Coppia di inserti ganasce Pair of top jaw inserts	Cod.		7.65.0T2000 / G11		

Art. 650 *Tipo / Type* 3

NEW!



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. 650E Forcella - Yoke	Cod.			7.65.0D3000		
Art. 650T / G11 Coppia di inserti ganasce Pair of top jaw inserts	Cod.			7.65.0T3000/G11		

ACCESSORI PER MORSE COMPACT GRIP Art.650
Art.650 COMPACT GRIP VISES ACCESSORIES

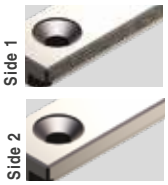
COMPACT GRIP NEW!

Coppie di inserti ganasce - Pair of top jaw inserts	1	2	3

Art. 650S

LISCI + RUVIDI - SMOOTH + ROUGH
Materiali teneri e lavorazioni finali
Soft material clamping and final machining





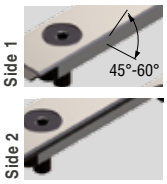
Cod.	7.65.0S100	7.65.0S200	7.65.0S300



Art. 650R

CODA DI RONDINE - DOVE TAIL
Miglior presa pezzo
Best workpiece clamping





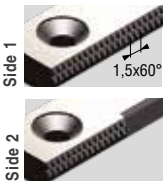
Cod.	7.65.0R100	7.65.0R200	7.65.0R300



Art. 650T G01

GRIP (Passo - Pitch 1,5mm)
Per materiali di durezza normale
For standard workpieces hardness clamping





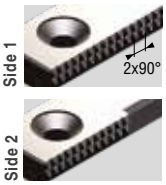
Cod.	7.65.0T100/G01	7.65.0T200/G01	7.65.0T300/G01



Art. 650T G02

GRIP (Passo - Pitch 2mm)
Per materiali di notevole durezza
For hardened workpieces clamping





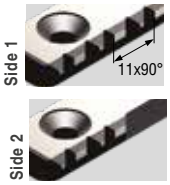
Cod.	7.65.0T100/G02	7.65.0T200/G02	7.65.0T300/G02



Art. 650T G11

GRIP (Passo - Pitch 11mm)
Per materiali teneri
For soft material clamping





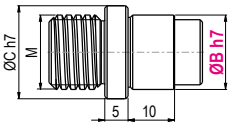
Cod.	7.65.0T100/G11	7.65.0T200/G11	7.65.0T300/G11



Art. 79

Perno calibrato per centraggio e orientamento
Calibrated centering and orientation pin



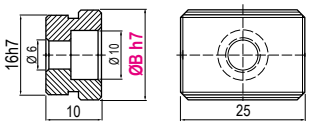


ØC h7	14	14	20
M	10	12	16
ØB	10 - 12 - 14 - 16 - 18 - 20		
Cod.	7.79.14M10/ØB	7.79.14M12/ØB	7.79.20M16/ØB

Art. 297

Coppia di tasselli di posizionamento completi di vite M5 x 10
Pair of positioning key-nuts with M5 x 10 clamping screw



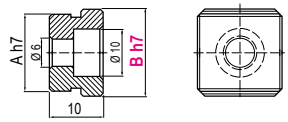


B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36
Cod.	2.29.71000

Art. 650G

Coppia di tasselli di posizionamento e regolazione autocentrante
Pair of key-nuts for positioning and self-centering





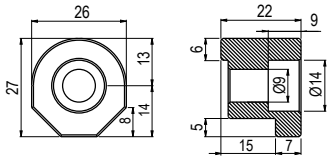
A	10	16
B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	
Cod.	7.65.0G1000	7.65.0G2000

Specificare sempre quota B - Specify always B dimension

Art. 298 / CGR

Staffa per Compact Grip
Compact Grip holding clamp





Cod.	7.29.81000/CGR

7

Tipo (grandezza) morsa / Vise (type) size	kN	2			
		22 kN			
A		30	70	110	150
W		128			
B		93			
C		38			
C1		53			
D		90			
E		120	160	200	240
F		52			
G		49			
L		Ø12			
L1		M8			
kg		7,9	8,7	9,5	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

COMPACT GRIP NEW!



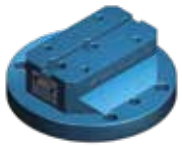
Self-centering Compact Grip vise with **machineable steel jaws**, Ideal for five axis centres.

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 651H

Tipo / Type **2**

Rialzo Semplice
Simple Riser



Vedi gamma completa - **See the complete range Page 7.26 / 7.27**

Cod.	7.65.1H212 / 100	7.65.1H216 / 100	7.65.1H220 / 100	7.65.1H224 / 100

Art. 660

Interasse / Type **52 mm**

Tavola cambio rapido
Quick change table

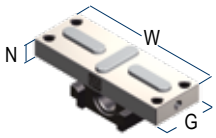


Vedi gamma completa - **See the complete range Page 7.28 / 7.29**

Cod.	9.66.05200

Art. 950B

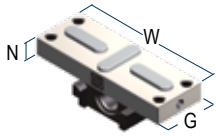
Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT HAND** with positioning key nuts



Cod.	7.95.0B2000

Art. 950C

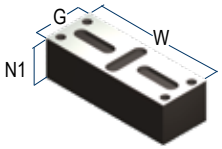
Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT HAND** with positioning key nuts



Cod.	7.95.0C2000

Art. 950D

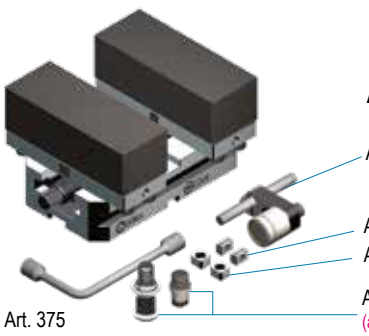
Ganascia lavorabile in acciaio
Machineable steel jaw

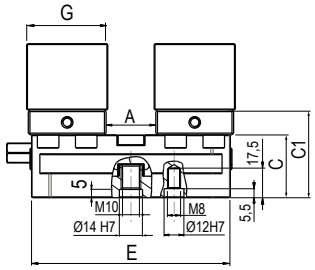


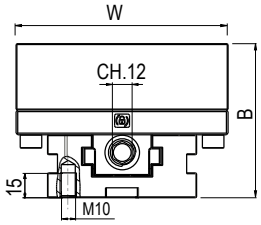
Cod.	7.95.0D2000

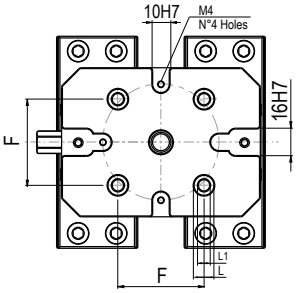
Dotazione standard:

■ 1 chiave a pipa Art.375 ■ 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.11S ■ 1 arresto laterale Art.370 ■ 2 tasselli di posizionamento Art.297 ■ 2 tasselli per regolazione autocentrante Art.650G









Standard equipment:

■ 1 box wrench Art.375 ■ 1 calibrated centering and orientation pin (Art.79) or 1 pull stud for zero point (Art.11A) ■ 2 positioning key-nuts Art.297 ■ 2 self-centering key-nuts Art.650G ■ 1 workstop Art.370

Art. 950

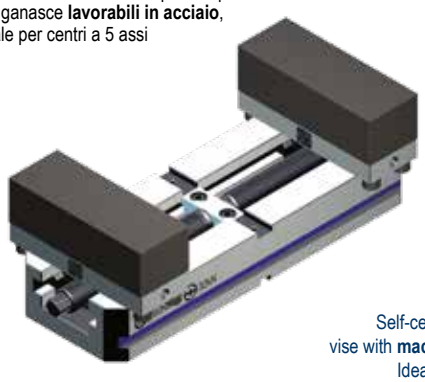
Tipo / Type **2**

USARE STAFFE
USE SIDE CLAMPS
Art.298 *Tipo / Type*
1xM10 / 1xM12 / 1xM16

Tipo (grandezza) morsa / Vise (type) size		3			
	kN	32 kN			
Art. 950 *Tipo / Type* **3x360**					
A	40	90	130	180	230
W			160		
B			124		
C			57		
C1			77		
D			125		
E	160	210	260	310	360
F			96		
G			59		
L			Ø16		
L1			M10		
kg	16.9	18.7	20.6	22.6	24.8
Cod.	7.95.03160	7.95.03210	7.95.03260	7.95.03310	7.95.03360

Morsa Autocentrante Compact Grip con ganasce **lavorabili in acciaio**, ideale per centri a 5 assi

COMPACT GRIP NEW!



Self-centering Compact Grip vise with **machineable steel jaws**, Ideal for five axis centres.

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 651H

Tipo / Type **3**

Rialzo Semplice
Simple Riser



Vedi gamma completa - **See the complete range Page 7.26 / 7.27**

Cod.	7.65.1H316 / 100	7.65.1H321 / 100	7.65.1H326 / 100	7.65.1H331 / 100	7.65.1H336 / 100

Art. 660

Interasse / Type **96 mm**

Tavola cambio rapido
Quick change table

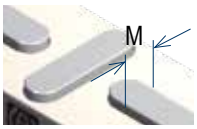


Vedi gamma completa - **See the complete range Page 7.28 / 7.29**

Cod.	9.66.09600

Art. 950B

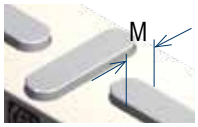
Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT** **HAND** with positioning key nuts



Cod.	7.95.0B3000

Art. 950C

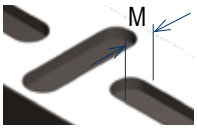
Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT** **HAND** with positioning key nuts



Cod.	7.95.0C3000

Art. 950D

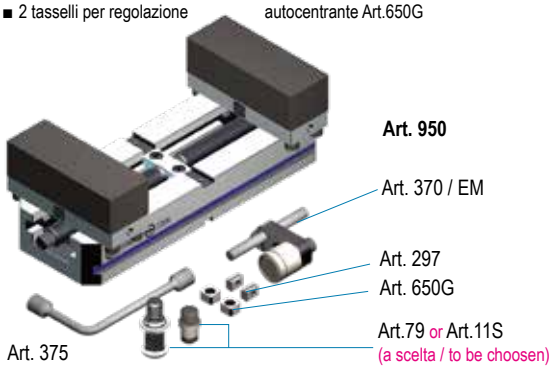
Ganascia lavorabile in acciaio
Machineable steel jaw

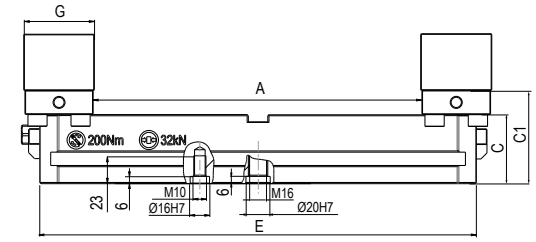


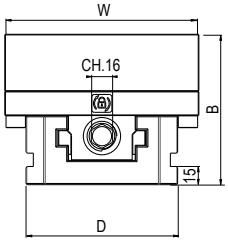
Cod.	7.95.0D3000

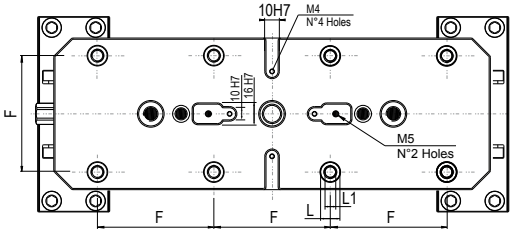
Dotazione standard:

■ 1 chiave a pipa Art.375 ■ 1 coppia di inserti extra Art.650T ■ 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.11S ■ 1 arresto laterale Art.370 ■ 2 tasselli di posizionamento Art.297 ■ 2 tasselli per regolazione autocentrante Art.650G









Art. 950

Tipo / Type **3**

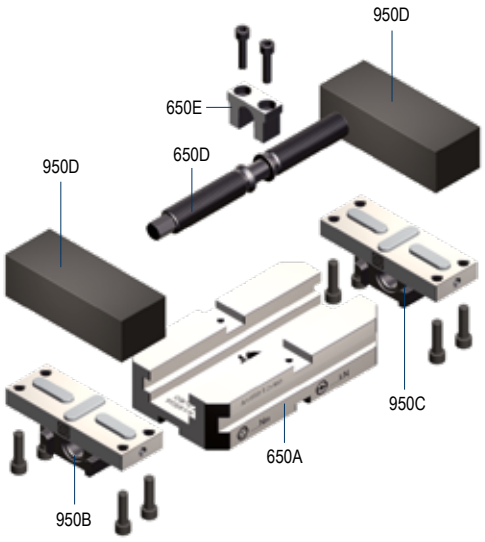
USARE STAFFE
USE SIDE CLAMPS
Art.298 *Tipo / Type*
1xM10 / 1xM12 / 1xM16

Standard equipment:

■ 1 box wrench Art.375 ■ 1 extra pair of top jaw inserts Art.650T- G01
■ 1 calibrated centering and orientation pin (Art.79) or 1 pull stud for zero point (Art.11A)
■ 2 positioning key-nuts Art.297 ■ 2 self-centering key-nuts Art.650G ■ 1 workstop Art.370

Art. 950 *Tipo / Type* **2**

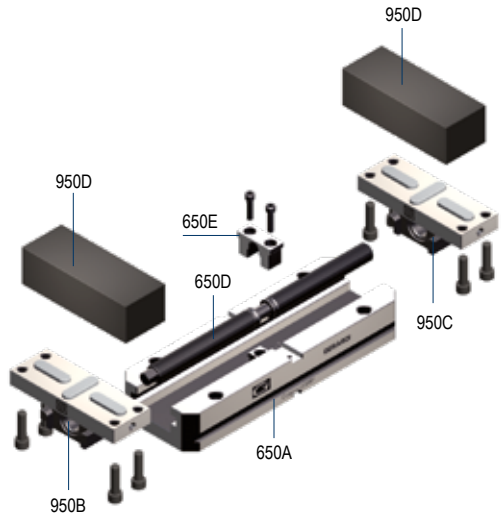
NEW!



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. 650E Forcella - Yoke	Cod.	7.65.0E2000			
Art. 950D Ganascia lavorabile in acciaio Machineable steel jaw	Cod.	7.95.0D2000			

Art. 950 *Tipo / Type* **3**

NEW!

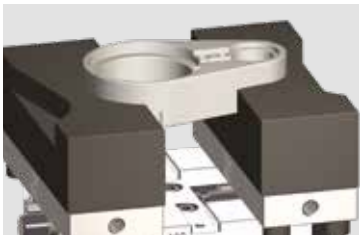


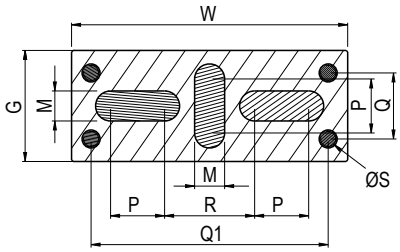
Tipo / Type **3**		3x160	3x210	3x260	3x310	3x360
Art. 650A Corpo base - Base body	Cod.	7.65.0A3160	7.65.0A3210	7.65.0A3260	7.65.0A3260	7.65.0A3360
Art. 950B * Ganascia integrale destra Solid jaw right hand	Cod.	7.95.0B3000				
Art. 950C * Ganascia integrale sinistra Solid jaw left hand	Cod.	7.95.0C3000				
Art. 650D Vite di bloccaggio - Main screw	Cod.	7.65.0D3160	7.65.0D3210	7.65.0D3260	7.65.0D3310	7.65.0D3360
Art. 650E Forcella - Yoke	Cod.	7.65.0D3000				
Art. 950D Ganascia lavorabile in acciaio Machineable steel jaw	Cod.	7.95.0D3000				

ACCESSORI PER MORSE COMPACT GRIP Art.950
Art.950 COMPACT GRIP VISES ACCESSORIES

COMPACT GRIP NEW!

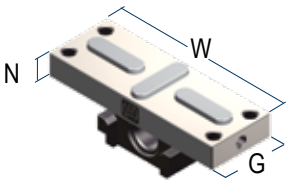
Tipo (grandezza) / Type (size)	2	3
W	128	160
G	49	59
M	10 H7	14 H7
P	30	36
Q	23	36
Q1	110	142
R	40	50
S	Ø9	Ø11

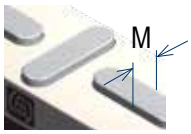




Art. 950B

Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT HAND** with positioning key nuts

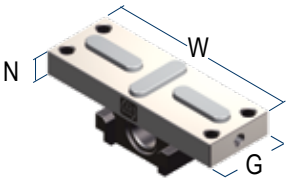


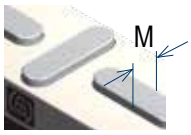


N	15	20
Cod.	7.95.0B2000	7.95.0B3000

Art. 950C

Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT HAND** with positioning key nuts

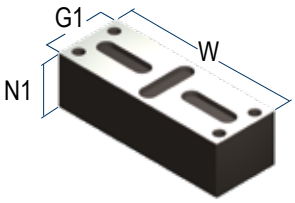


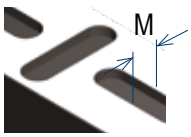


N	15	20
Cod.	7.95.0C2000	7.95.0C3000

Art. 950D

Ganascia lavorabile in acciaio
Machineable steel jaw





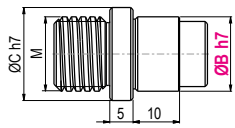
N1	30	47
Cod.	7.95.0D2000	7.95.0D3000

G1= G+2 mm

Art. 79

Perno calibrato per centraggio e orientamento
Calibrated centering and orientation pin



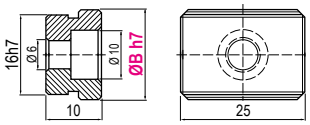


ØC h7	14	20
M	12	16
ØB	10 - 12 - 14 - 16 - 18 - 20	
Cod.	7.79.14M12/ØB	7.79.20M16/ØB

Art. 297

Coppia di tasselli di posizionamento completi di vite M5 x 10
Pair of positioning key-nuts with M5 x 10 clamping screw



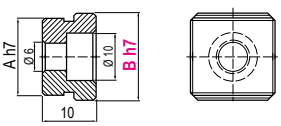


B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36
Cod.	2.29.71000

Art. 650G

Coppia di tasselli di posizionamento e regolazione autocentrante
Pair of key-nuts for positioning and self-centering





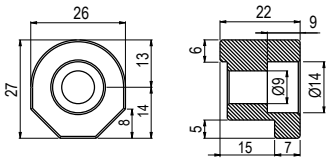
A	16
B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36
Cod.	7.65.0G2000

Specificare sempre quota B - Specify always B dimension

Art. 298 / CGR

Staffa per Compact Grip
Compact Grip holding clamp





Cod.	7.29.81000/CGR

7

RIALZI IN ALLUMINIO per MORSE COMPACT GRIP Art.650 - Art.950
ALUMINUM RISERS for COMPACT GRIP VISES Art.650 - Art.950

COMPACT GRIP NEW!

Art. 651H

Tipo / Type **1**

Rialzo semplice
Simple riser

NEW!



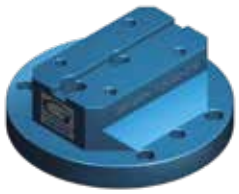
Tipo Rialzo (grandezza) - Riser Type (size)	1					
ØA	80			120		
B	80			80		
* C	50	75	100	50	75	100
D	128			178		
E	-			150		
L	52			52		
M	52			52		
ØJ	110			150		
K	10			10		
K1	-			16		
kg	1,08	1,41	1,75	2,09	2,63	3,17
Cod.	7.65.1H108 / 50	7.65.1H108 / 75	7.65.1H108 / 100	7.65.1H112 / 50	7.65.1H112 / 75	7.65.1H112 / 100

Art. 651H

Tipo / Type **2**

Rialzo semplice
Simple riser

NEW!



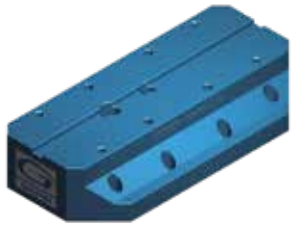
Tipo Rialzo (grandezza) - Riser Type (size)	2								
A	120			160			200		
B	90			90			90		
* C	50	75	100	50	75	100	50	75	100
D	210			210			210		
E	-			150			150		
L	65			65			65		
M	90			90			90		
ØJ	183			183			185		
kg	3,07	3,71	4,32	3,09	3,90	4,73	3,38	4,45	5,52
Cod.	7.65.1H212/50	7.65.1H212/75	7.65.1H212/100	7.65.1H216/50	7.65.1H216/75	7.65.1H216/100	7.65.1H220/50	7.65.1H220/75	7.65.1H220/100

Art. 651H

Tipo / Type **3**

Rialzo semplice
Simple riser

NEW!



Tipo Rialzo (grandezza) - Riser Type (size)	3								
A	160			210			260		
B	125			125			125		
* C	50	75	100	50	75	100	50	75	100
D	240			240			332		
E	150			150			150		
E1	-			-			200		
L	96			96			96		
L1	-			-			-		
M	96			96			96		
M1	-			-			-		
ØJ	185			185			185		
ØJ1	-			-			290		
kg	3,34	4,49	5,68	3,85	5,40	6,99	5,73	7,69	9,69
Cod.	7.65.1H316/50	7.65.1H316/75	7.65.1H316/100	7.65.1H321/50	7.65.1H321/75	7.65.1H321/100	7.65.1H326/50	7.65.1H326/75	7.65.1H326/100

RIALZI IN ALLUMINIO per MORSE COMPACT GRIP Art.650 - Art.950
ALUMINUM RISERS for COMPACT GRIP VISES Art.650 - Art.950

COMPACT GRIP NEW!

1			
ØA	160		
B	80		
C	50	75	100
D	178		
E	150		
L	52		
M	52		
ØJ	150		
K	10		
K1	16		
kg	2,40	3,15	3,90
Cod.	7.65.1H116 / 50	7.65.1H116 / 75	7.65.1H116 / 100

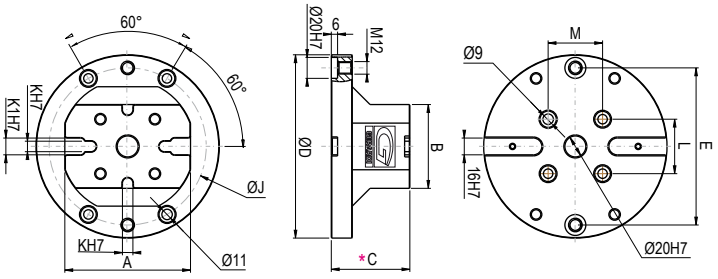
NEW!

Art. 651H

Tipo / Type **1**

Rialzo semplice
Simple riser





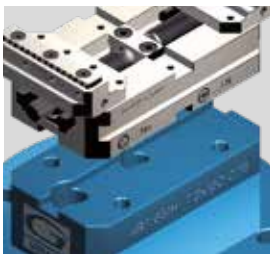
2			
A	240		
B	90		
C	50	75	100
D	249		
E	200		
L	65		
M	150		
ØJ	185		
kg	4,13	5,45	6,75
Cod.	7.65.1H224/50	7.65.1H224/75	7.65.1H224/100

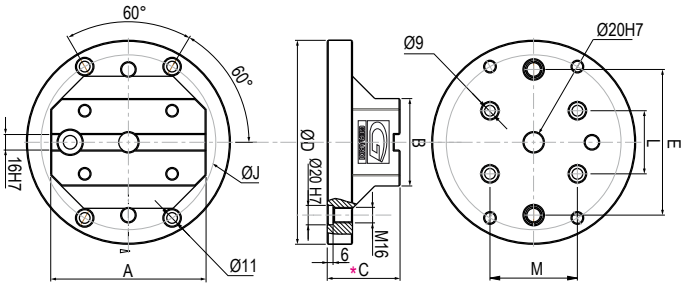
NEW!

Art. 651H

Tipo / Type **2**

Rialzo semplice
Simple riser





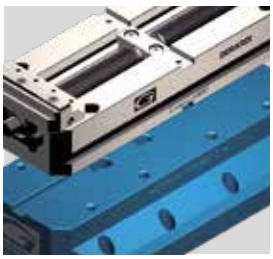
3						
A	310			360		
B	125			125		
C	50	75	100	50	75	100
D	327			373		
E	150			200		
E1	200			250		
L	96			96		
L1	100			100		
M	96			96		
M1	200			250		
ØJ	185			185		
ØJ1	290			290		
kg	6,14	8,50	10,91	7,02	9,80	12,62
Cod.	7.65.1H331/50	7.65.1H331/75	7.65.1H331/100	7.65.1H336/50	7.65.1H336/75	7.65.1H336/100

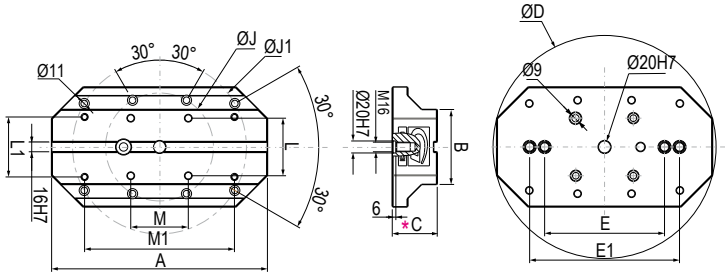
NEW!

Art. 651H

Tipo / Type **3**

Rialzo semplice
Simple riser





7

TAVOLA CAMBIO RAPIDO per MORSE COMPACT GRIP
QUICK CHANGE TABLE for COMPACT GRIP VISES

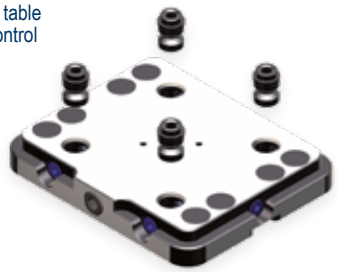
COMPACT GRIP NEW!

Per Morse Tipo - For Vises Type INTERASSE - PITCH	1 - 2 52	3 96
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

Art. 660

Tavola cambio rapido ad azionamento meccanico
Quick change table mechanical control

NEW!



Dotazione standard - **Standard equipment**:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B

RIALZO PER TAVOLA CAMBIO RAPIDO
RISER for QUICK CHANGE TABLE

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.	9.66.1H100	9.66.1H200

Art. 661H

Rialzo in alluminio per tavola cambio rapido
Simple aluminum riser for quick change table

NEW!



SUPPORTO PIRAMIDALE per MORSE MULTITASKING & COMPACT GRIP
PYRAMIDAL SUPPORT for MULTITASKING & COMPACT GRIP VISES

Tipo (grandezza) / (type) size INCLINAZIONE - ANGLE	3 45°	MORSE COMPATIBILI COMPATIBLE VISES
ØA	310	
ØB	275	**Multitasking**
ØC	265	**Art. 640 - T.1**
D	130,8	–
D1	22	**Compact Grip**
F	150 (±0,02)	**Art. 650 - T.2x120**
H	109	**Art. 650 - T.2x160**
H1	154	**Art. 650 - T.2x200**
H2	100	
kg	13,2	**Art. 950 - T.2x120**
Cod.	7.64.3H310/ 345	**Art. 950 - T.2x160**
		Art. 950 - T.2x200

Art. 643H

Supporto piramidale in alluminio a tripla posizione
Aluminum pyramidal support with triple positioning

NEW!



N.B: Richiedere scheda tecnica per maggiori informazioni - Tecnichal data sheet on request

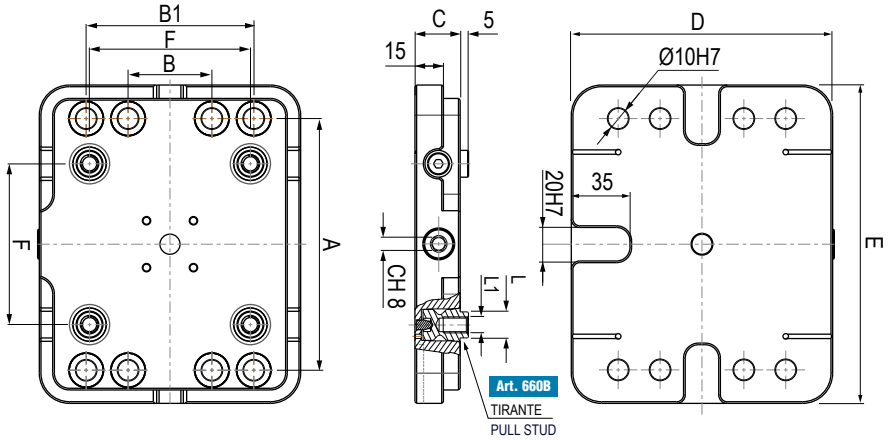
7

TAVOLA CAMBIO RAPIDO per MORSE COMPACT GRIP
QUICK CHANGE TABLE for COMPACT GRIP VISES

COMPACT GRIP NEW!

Art. 660

Tavola cambio rapido ad azionamento meccanico
Quick change table mechanical control

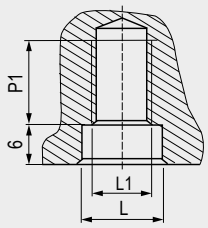


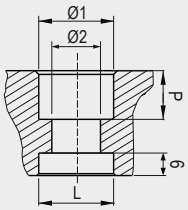
Art. 660B

Tiranti per tavola cambio rapido
Quick change table pull studs



Tipo - Type 1 Tipo - Type 2



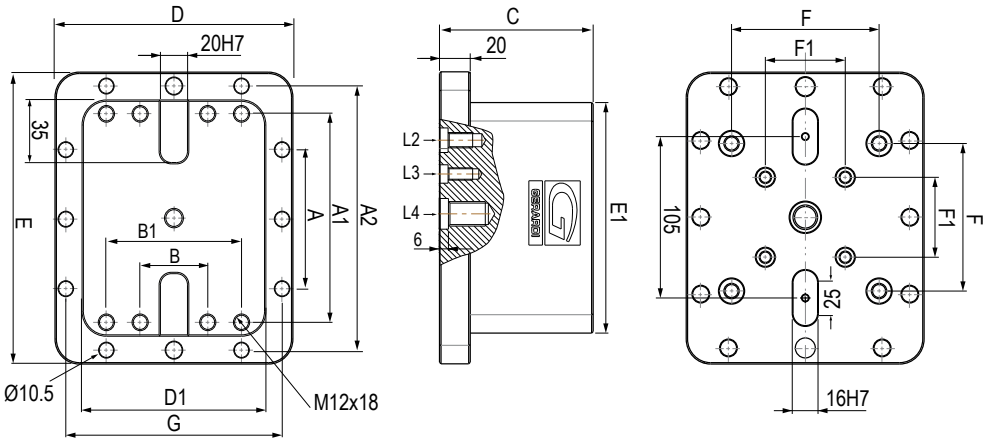


Type	1	2
L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	13	15
Ø2	9	11
P	9	11
P1	12	18
Code	**9.66.0B100**	**9.66.0B200**

RIALZO PER TAVOLA CAMBIO RAPIDO
RISER for QUICK CHANGE TABLE

Art. 661H

Rialzo in alluminio per tavola cambio rapido
Simple aluminum riser for quick change table

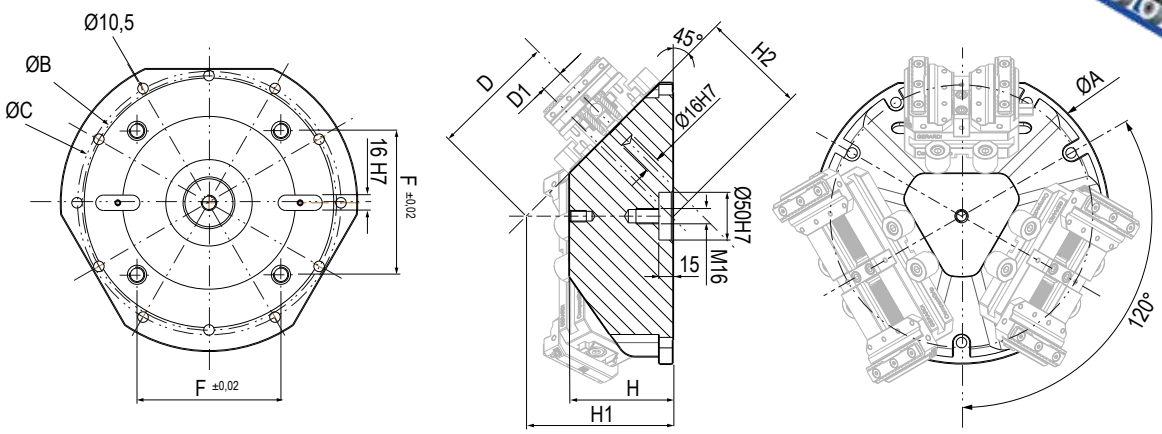


SUPPORTO PIRAMIDALE per MORSE COMPACT GRIP
PYRAMIDAL SUPPORT for COMPACT GRIP VISES



Art. 643H

Supporto piramidale in alluminio a tripla posiozione
Aluminum pyramidal support with triple positioning

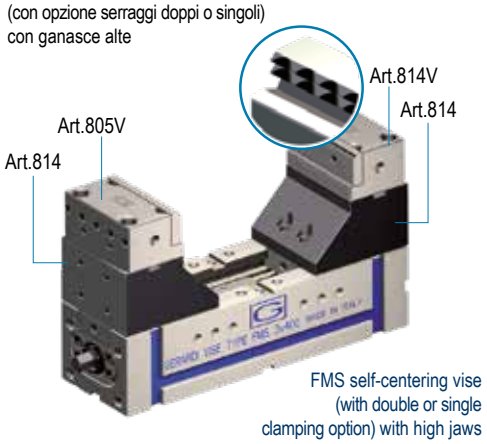


7

Art. 868

3 MORSE IN VISES IN 1

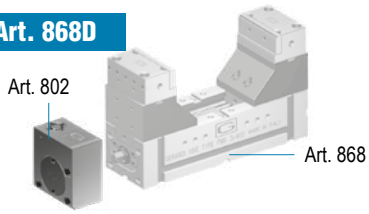
Morsa **FMS** autocentrante
(con opzione serraggi doppi o singoli)
con ganasce alte



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		300	400	500	600	400	500
E	252		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

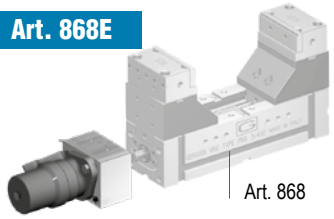
Art. 802



Moltiplicatore di coppia con rivio angolare - Mechanical with torque multiplier with angular transmission

Cod.	5.80.21000	5.80.22000	5.80.23000

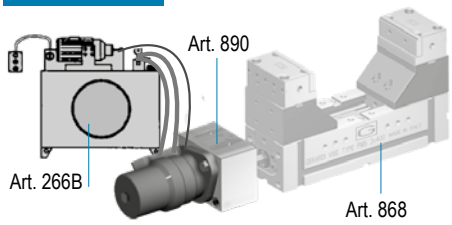
Art. 868E



(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

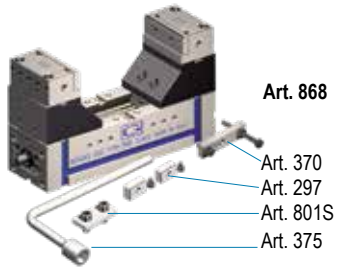
Art. 868F



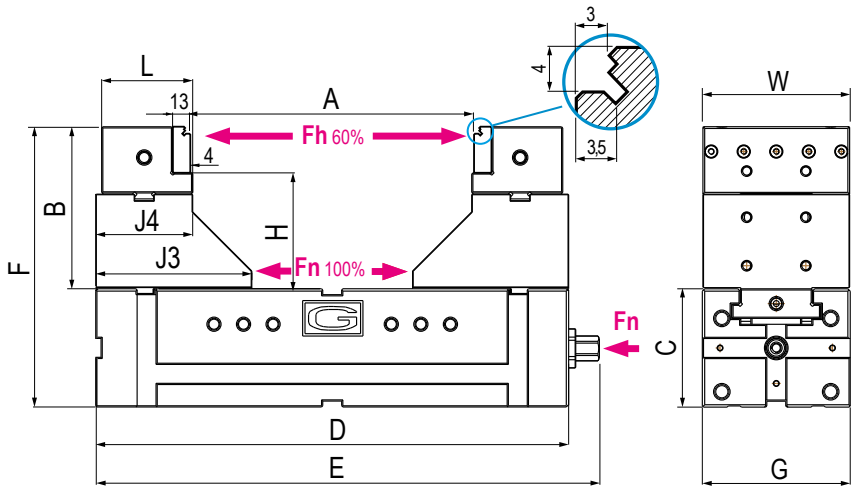
(Art. 868 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

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 precisi Art. 297
- 1 chiave a pipa Art.375
- 1 piastrina di collegamento Art.801S



Standard equipment:
- 2 workstops Art. 370
- 1 pair of precision positioning key-nuts Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S



3			4				5			6		
30 kN			30 kN				32 kN			32 kN		
444	544	644	316	416	516	616	396	496	596	596	696	796
	137			171				186			246	
	100			120				140			160	
600	700	800	500	600	700	800	600	700	800	800	900	1000
625	725	825	525	625	725	825	625	725	825	825	925	1025
	237			291				326			406	
	125			145				170			190	
	98			128				138			180	
	84			97				107			107	
	132			154				169			189	
	82			96				106			106	
	57			64				66			86	
	124			144				169			189	
	-			-				-			-	

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

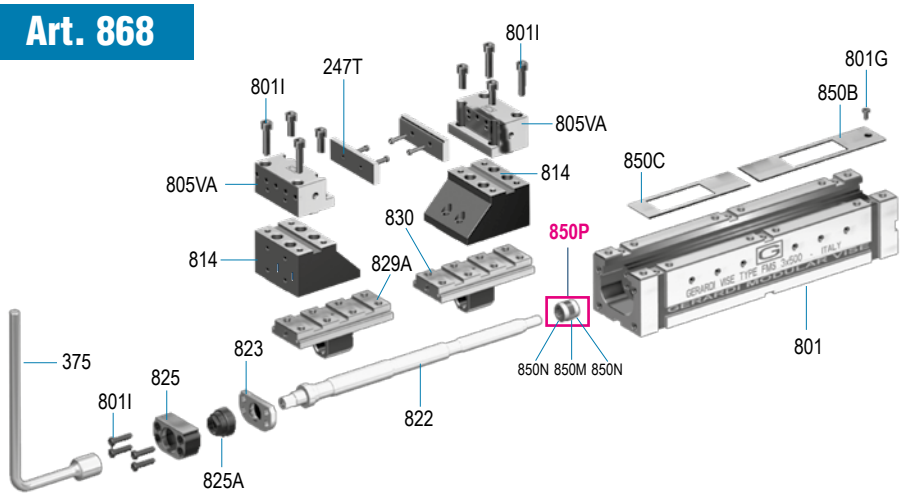
5.86.8E360	5.86.8E370	5.86.8E380	5.86.8E450	5.86.8E460	5.86.8E470	5.86.8E480	5.86.8E560	5.86.8E570	5.86.8E580	5.86.8E680	5.86.8E690	5.86.8E610

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	4.27
801	5.40
801G	5.54
801I	5.54
810J	5.51
822	5.46
823	5.62
825	5.62
825A	5.54
829A	5.44
830	5.44

Art.	Pag.
850B	5.54
850C	5.54
850M	5.54
850N	5.54
850P	5.54
814	5.50
805V	5.29
247T	5.29
-	-
-	-
-	-

Tipo (grandezza) morsa / Vise (type) size	1	2
A	-	6,4
B	-	25
C	-	80
D	-	106
E	-	49
G	-	10
H	-	90
L	-	20
W	-	74
kg	-	6,5
Cod.	QUOTAZIONE SU RICHIESTA ASK FOR QUOTATION	7.67.0PN20
Cod.		7.67.0ID20

Art. 670

NEW!

Morsa autocentrante **pneumatica o idraulica** con ganasce mobili lavorabili

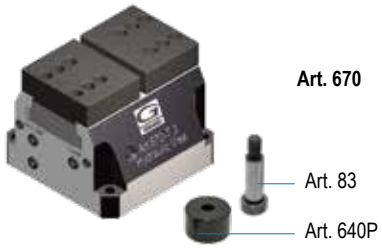


Self-centering **pneumatic or hydraulic** vise with soft movable jaws

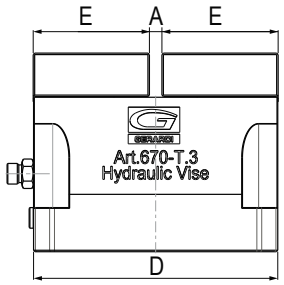
AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

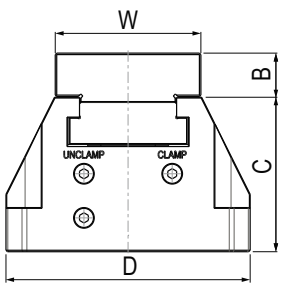
Art. 671A Ganascia mobile lavorabile Soft movable jaw	Materiale non temprato Not Hardened material	Cod.	-	7.67.1A200
Art. 671B Ganascia mobile lavorabile ridotta Soft narrow movable jaw	Materiale non temprato Not Hardened material	Cod.	-	7.67.1B200
Art. 671C Ganascia mobile predisposta per piastre **ganasce standard ridotte** Movable jaw for **narrow width standard** jaw plates	Materiale non temprato Not Hardened material	Cod.	-	7.67.1C200
Art. 243 Piastra ganascia piana rigata temprata Hardened grooved straight jaw plate		Cod.	-	1.65.17000
Art. 245 Piastra ganascia piana liscia temprata Hardened smooth straight jaw plate		Cod.	-	4.24.51000
Art. 247G Piastra piana con inserti GRIP Straight plate with GRIP inserts		Cod.	-	1.24.7G100

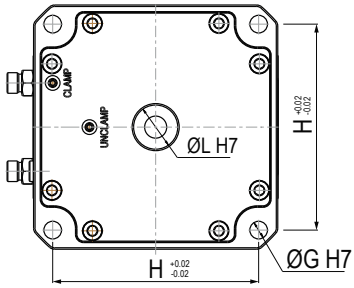
Dotazione standard:
- 1 perno calibrato per centraggio Art.640P
- N°4 viti calibrate a colletto Art.83



Standard equipment:
- 1 calibrated centering pin Art.640P
- N. 4 shoulder screw Art. 83







Art. 670ID

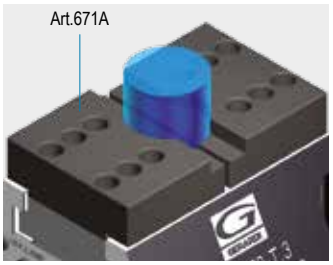
3	4	5
8,5	12	-
30	35	-
105	130	-
166	206	-
79	96	-
12	16	-
140	170	-
20	20	-
94	124	-
20	38	-
7.67.0PN30	7.67.0PN40	**QUOTAZIONE SU RICHIESTA** **ASK FOR QUOTATION**
7.67.0ID30	7.67.0ID40	

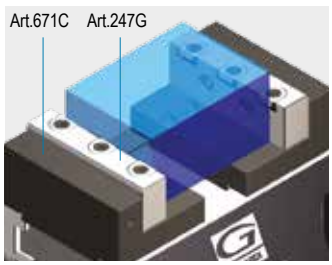
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

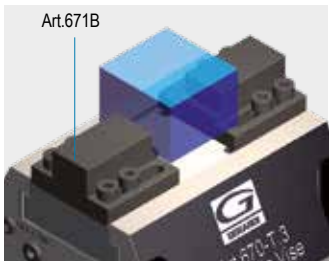
7.67.1A300	7.67.1A400	-
7.67.1B300	7.67.1B400	-
7.67.1C300	7.67.1C400	-
1.65.27000	1.65.37000	-
4.24.52000	4.24.53000	-
1.24.7G200	1.24.7G300	-

Art. 670ID

Esempi applicativi piastre ganasce:
Jaw plates application examples:







Art. 670

Tipo / Type **1**

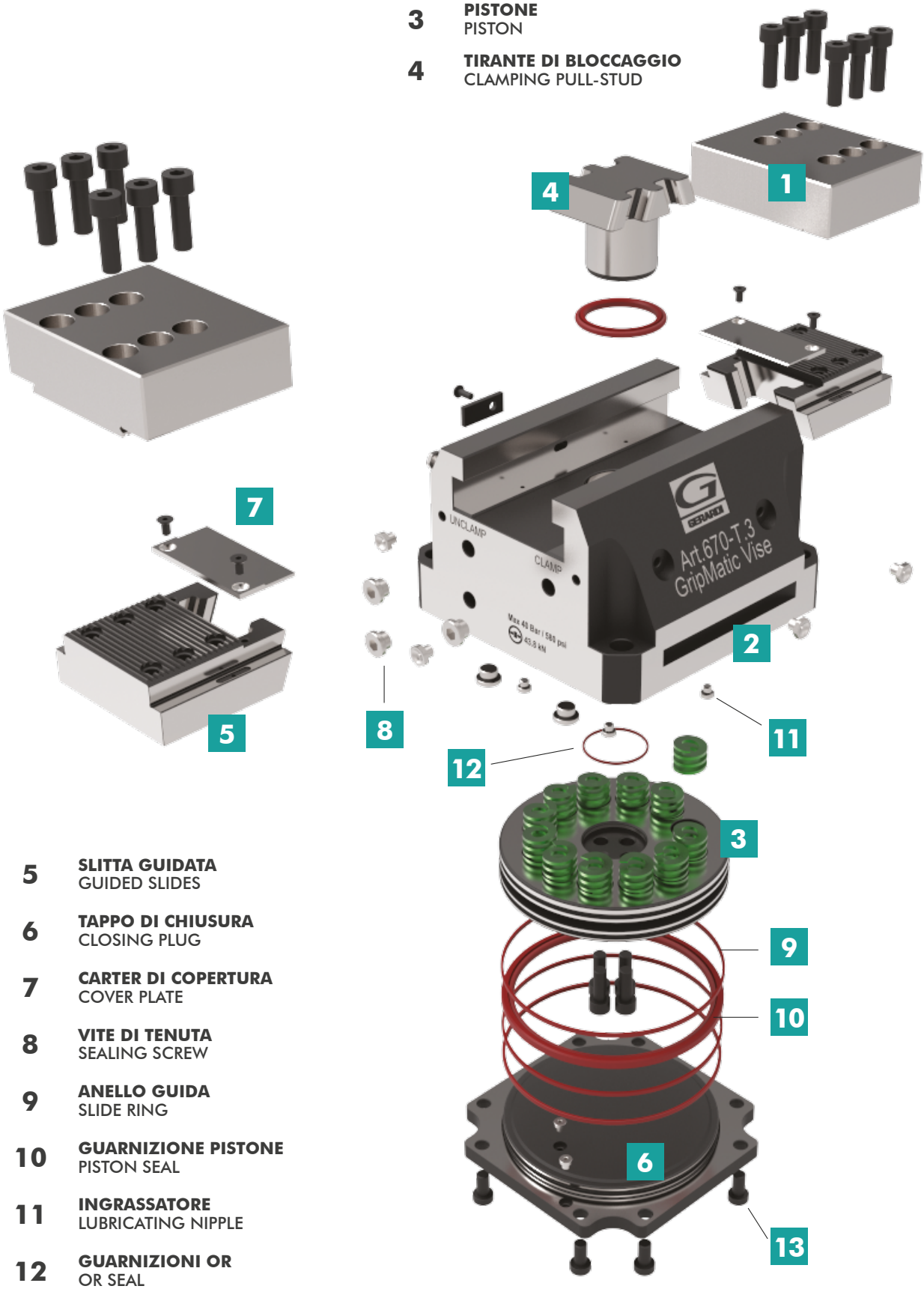
NEW!

1 **GANASCIA** - JAW

2 **CORPO BASE MORSA**
VISE BASE BODY

3 **PISTONE**
PISTON

4 **TIRANTE DI BLOCCAGGIO**
CLAMPING PULL-STUD



5 **SLITTA GUIDATA**
GUIDED SLIDES

6 **TAPPO DI CHIUSURA**
CLOSING PLUG

7 **CARTER DI COPERTURA**
COVER PLATE

8 **VITE DI TENUTA**
SEALING SCREW

9 **ANELLO GUIDA**
SLIDE RING

10 **GUARNIZIONE PISTONE**
PISTON SEAL

11 **INGRASSATORE**
LUBRICATING NIPPLE

12 **GUARNIZIONI OR**
OR SEAL

13 **VITI DI SERRAGGIO**
CLAMPING SCREW

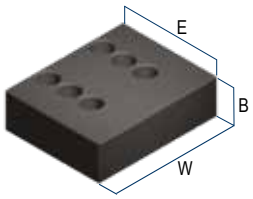
GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.670
JAWS & JAW PLATES FOR MULTITASKING VISES Art.670

NEW!

Art. 671A

Ganascia mobile lavorabile
Soft movable jaw

Materiale temprabile 20MnCr5
Hardenable material 20MnCr5

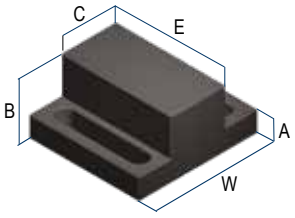


Tipo (grandezza) / Type (size)	2	3	4
W	74	99	124
B	25	30	35
E	49	79	96
Cod.	7.67.1A200	7.67.1A300	7.67.1A400

Art. 671B

Ganascia mobile lavorabile ridotta
Soft narrow movable jaw

Materiale temprabile 20MnCr5
Hardenable material 20MnCr5

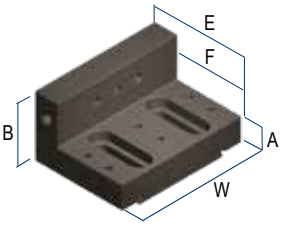


W	40	65	81
A	10	10	15
B	25	30	35
C	15	28	38
E	40	65	81
Cod.	7.67.1B200	7.67.1B300	7.67.1B400

Art. 671C

Ganascia mobile predisposta
per piastre ganasce standard ridotte
Movable jaw for narrow standard jaw plates

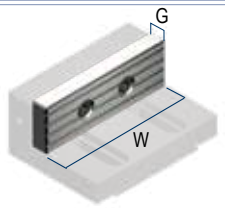
Materiale temprabile 20MnCr5
Hardenable material 20MnCr5



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

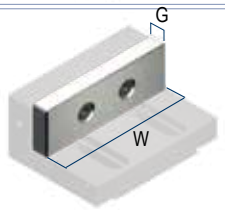
Piastra ganascia piana rigata temprata
Hardened grooved straight jaw plate



W	74	94	124
G	12	12	13
Cod.	1.65.17000	1.65.27000	1.65.37000

Art. 245

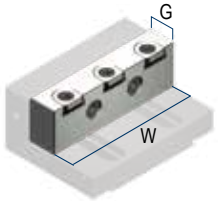
Piastra ganascia piana liscia temprata
Hardened smooth straight jaw plate



W	74	94	124
G	12	12	13
Cod.	4.24.51000	4.24.52000	4.24.53000

Art. 247G

Piastra piana con inserti GRIP
Straight plate with GRIP inserts

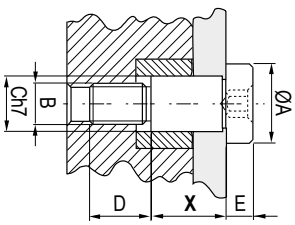


W	74	94	124
G	12	12	13
Cod.	1.24.7G100	1.24.7G200	1.24.7G300

Art. 83

Vite Calibrata a colletto
Schoulder calibrated screw



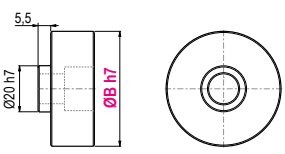


A	16	18	24
B	M8	M10	M12
C	10	12	16
D	15	15	18
E	7	8	11
X	30	40	45
Cod.	8.83.10300	8.83.12400	8.83.16450

Art. 640P

Perno di centraggio
Straight pin





B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36
Cod.	7.64.0P100

Specificare sempre quota B - Specify always B dimension

7

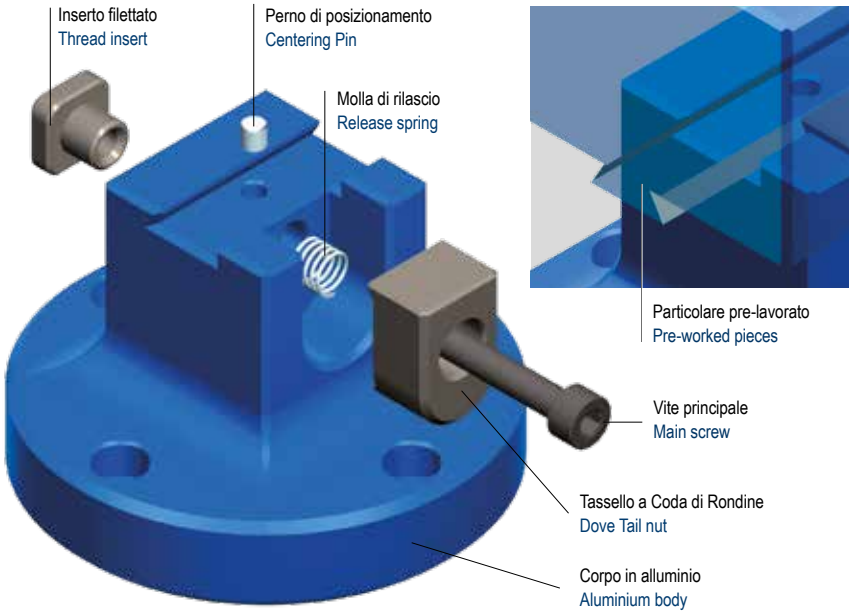
SISTEMA A CODA DI RONDINE
DOVE TAIL FIXTURES

NEW!

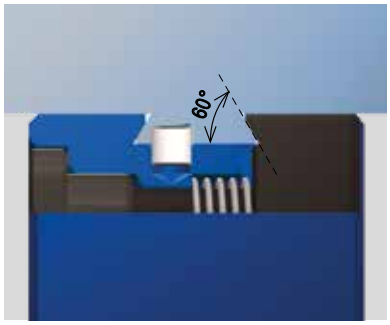
Art.690

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 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 and it is possible to use it on the worldwide most popular Machine Centers.

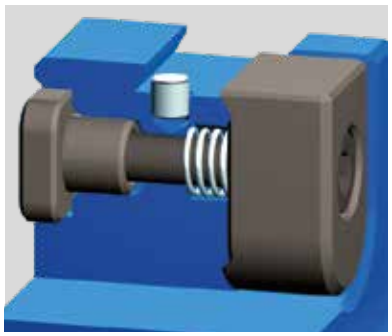


COME SERRARE UN PARTICOLARE CON IL SISTEMA A CODA DI RONDINE
HOW TO CLAMP WORKPIECES WITH DOVE TAIL FIXTURE



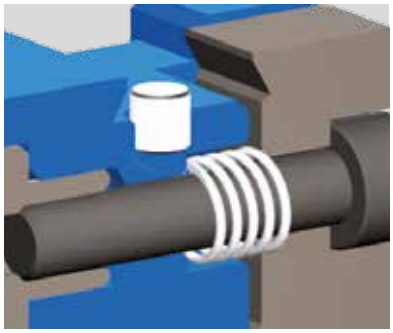
1 PREDISPOSIZIONE CODA DI RONDINE
DOVE TAIL SET-UP

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.

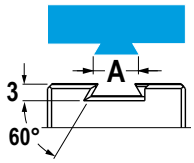
SISTEMA A CODA DI RONDINE in ALLUMINIO
ALUMINIUM DOVE TAIL FIXTURES

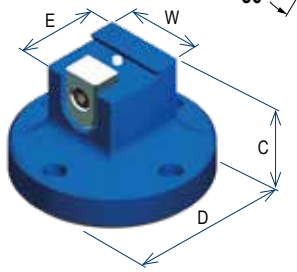
NEW!

Art.690

SINGOLO - SINGLE

Tipo / Type **3**



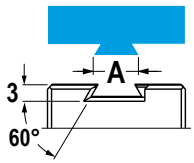


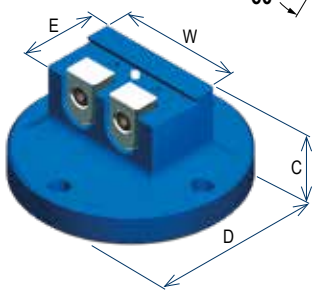
Tipo (grandezza) - (type) size Grandezza coda di rondine - Dove tail dimension (inch)	A"	1 0,281"	2 0,375"	3 0,5"	4 0,75"	5 1,5"	6 2,25"
Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
	C	50	50	50	50	70	70
	D	Ø56	Ø56	Ø76	Ø86	Ø116	88x132
	E	20	22	34	40	70	88
	W	20	22	34	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

DOPPIO - DOUBLE

Tipo / Type **3**



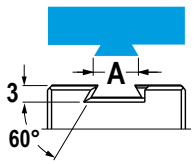


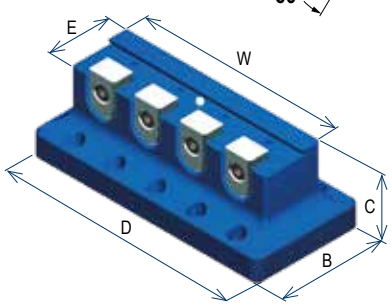
Tipo (grandezza) - (type) size Grandezza coda di rondine - Dove tail dimension (inch)	A"	1 0,281"	2 0,375"	3 0,5"	4 0,75"	5 1,5"	6 2,25"
Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
	C	-	-	50	50	70	70
	D	-	-	Ø98	Ø104	110	110x128
	E	-	-	34	40	70	88
	W	-	-	60	60	90	90
	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

MULTIPLO - MULTIPLE

Tipo / Type **3**





Tipo (grandezza) - (type) size Grandezza coda di rondine - Dove tail dimension (inch)	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

DIAGRAMMI CON FORZE DI SERRAGGIO Art.640
DIAGRAMS WITH CLAMPING FORCE Art.640

GRUPPI DI SERRAGGIO MECCANICI

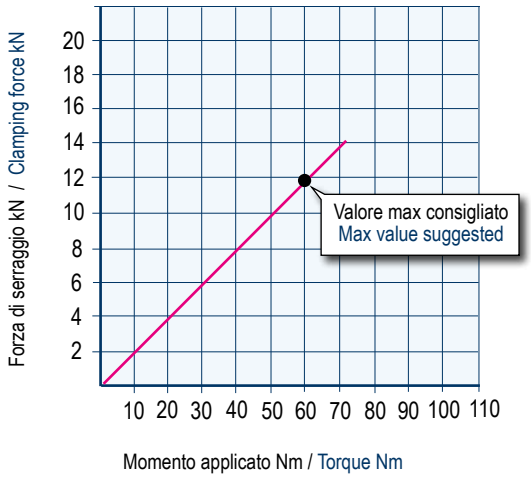
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione della forza applicata

MECHANICAL CLAMPING DEVICES

The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) as a function of wrenching force

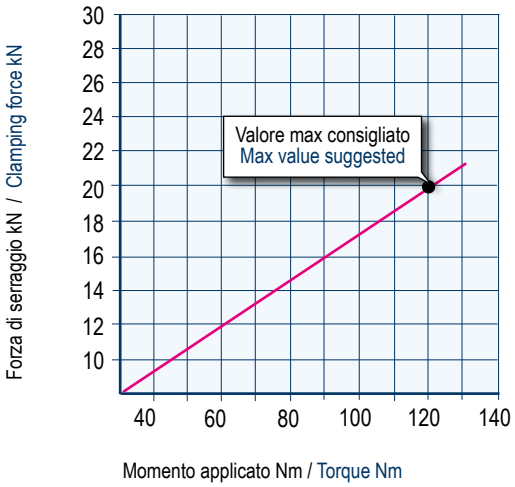
MORSE MULTITASKING TIPO 1
MULTITASKING VISES TYPE 1

Vite TPF18 - Passo 2mm
Screw TPF18 - Pitch 2mm



MORSE MULTITASKING TIPO 2
MULTITASKING VISES TYPE 2

Vite TPF24 - Passo 2mm
Screw TPF24 - Pitch 2mm



Art. 640

Tipo / Type **1 e 2**



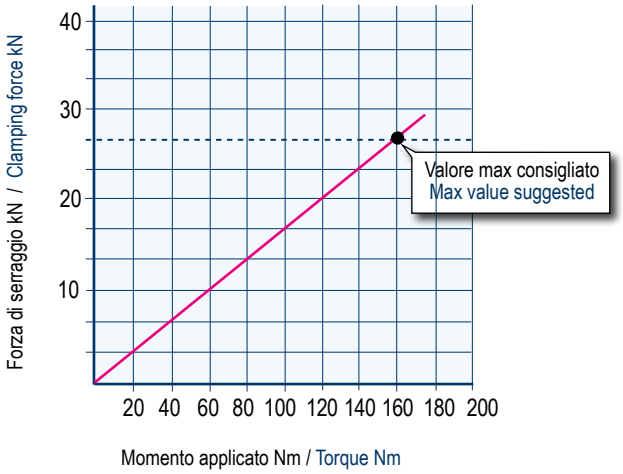


Art. 640

Tipo / Type **3**

MORSE MULTITASKING TIPO 3
MULTITASKING VISES TYPE 3

Vite TPF24 - Passo 2mm
Screw TPF24 - Pitch 2mm



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 CON FORZE DI SERRAGGIO Art.650 - Art.950
DIAGRAMS WITH CLAMPING FORCE Art.650 - Art.950

COMPACT GRIP NEW!

GRUPPI DI SERRAGGIO MECCANICI

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

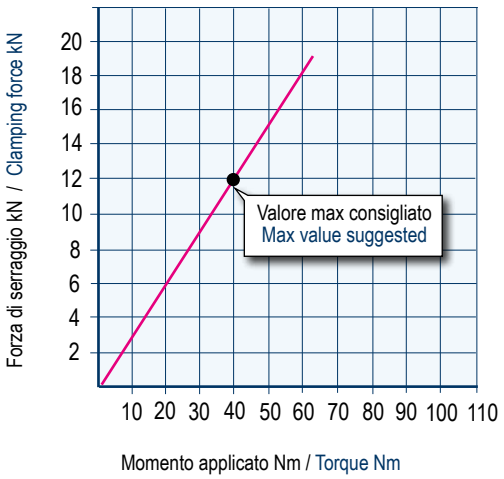
MECHANICAL CLAMPING DEVICES

The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) as a function of wrenching force

MORSE COMPACT GRIP TIPO 1
COMPACT GRIP VISES TYPE 1

Vite TPF14 - Passo 2mm
Screw TPF14 - Pitch 2mm

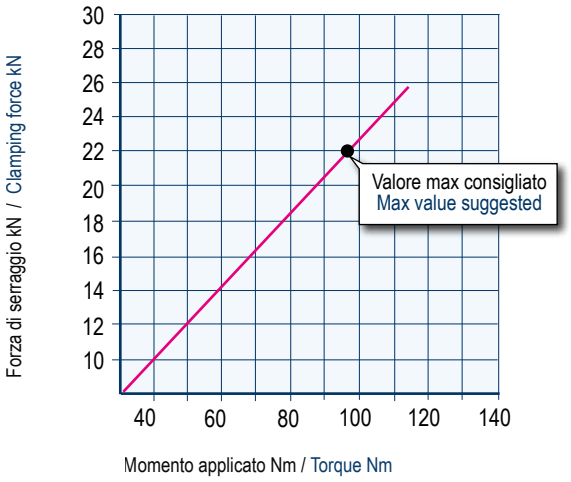
NEW!



MORSE COMPACT GRIP TIPO 2
COMPACT GRIP VISES TYPE 2

Vite TPF18 - Passo 2mm
Screw TPF18 - Pitch 2mm

NEW!



Art. 650

Tipo / Type **1**





Tipo / Type **2**

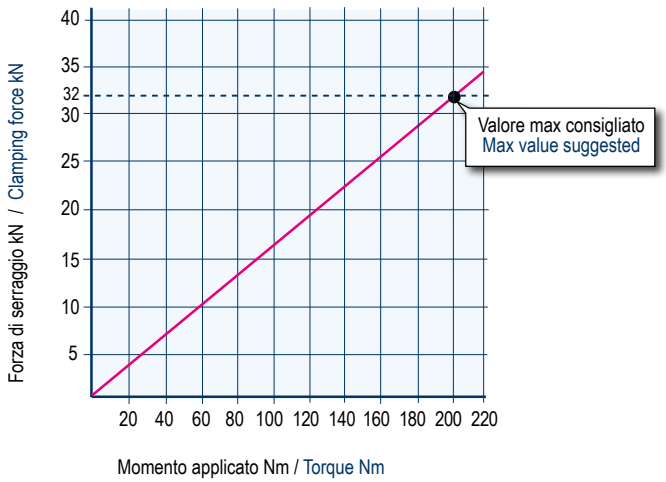
Art. 650

Tipo / Type **3**

MORSE COMPACT GRIP TIPO 3
COMPACT GRIP VISES TYPE 3

Vite TPF24 - Passo 2mm
Screw TPF24 - Pitch 2mm

NEW!



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 CON FORZE DI SERRAGGIO Art.670
DIAGRAMS WITH CLAMPING FORCE Art.670

SERRAGGIO IDRAULICO

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), provvisti di vari dispositivi di bloccaggio idraulici, in funzione della pressione dei fluidi (aria e olio)

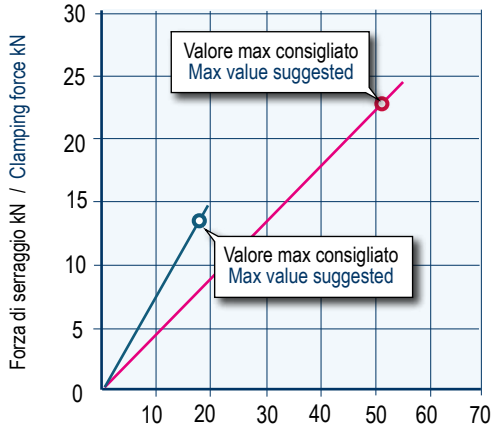
HYDRAULIC CLAMPING

The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) when equipped with hydraulic blocking devices, as a function of the fluid pressure (air or oil)

MORSE AUTOCENTRANTE IDRAULICA TIPO 2
HYDRAULIC SELF/CENTERING VISE TYPE 2

Cilindro idraulico Ø85mm - Superficie efficace 51,8mm^2
Hydraulic cylinder Ø85mm - Effective surface 51,8mm^2

NEW!

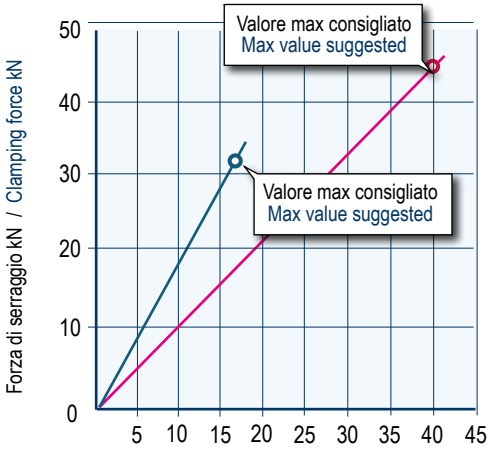


Pressione uscita olio - bar / Oil outlet pressure - bar
(1 bar = 14,5 psi)

MORSE AUTOCENTRANTE IDRAULICA TIPO 3
HYDRAULIC SELF/CENTERING VISE TYPE 3

Cilindro idraulico Ø135mm - Superficie efficace 132,3mm^2
Hydraulic cylinder Ø135mm - Effective surface 132,3mm^2

NEW!



Pressione uscita olio - bar / Oil outlet pressure - bar
(1 bar = 14,5 psi)

Valore massimo consigliato **(ARIA)**

Max suggested value **(OIL)**

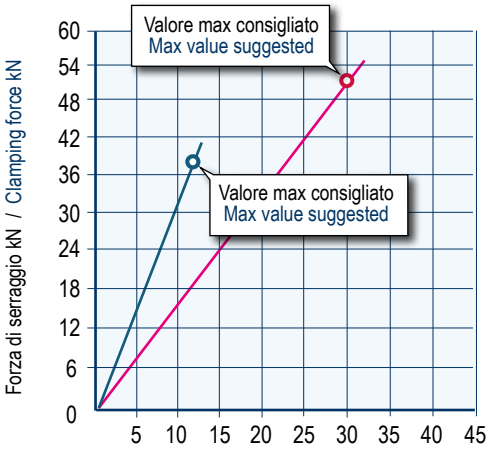


Art. 670

MORSE AUTOCENTRANTE IDRAULICA TIPO 4
HYDRAULIC SELF/CENTERING VISE TYPE 4

Cilindro idraulico Ø170mm - Superficie efficace 209,5mm^2
Hydraulic cylinder Ø170mm - Effective surface 209,5mm^2

NEW!



Pressione uscita olio - bar / Oil outlet pressure - bar
(1 bar = 14,5 psi)

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.