

MULTITASKING & COMPACT GRIP **MORSE AUTOCENTRANTI - SELF-CENTERING VISES**



7

MADE IN ITALY



Art. 651H
T.2x160 / 100

[illegible]

VALIGETTA DI CAMPIONATURA COMPACT GRIP

SAMPLE KIT CASE COMPACT GRIP

NEW!

Art. 986

 Valigetta di campionatura morsa Art.650 - Art.660
 Sample kit case Art.650 - Art.660

Cod. 0.98.60000

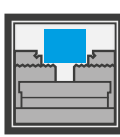
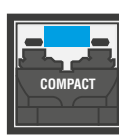
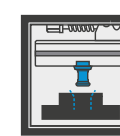
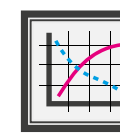
All'Interno - Inside:

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



SIMBOLOGIA DATI TECNICI

TECHNICAL DATA ICONS

SERIE SERIES						
INSERTI GRIP INSERT GRIP						
		Liscio Smooth	Ruvido Rough	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 Pneumatico Pneumatic system	Sistema Idraulico Hydraulic system	Accessori e 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 construction throughout).

Designed for 5 axis machines, MULTITASKING series of vises allow machining operations on the 5 workpieces sides with perfect alignment in a space saving design, extremely high wear resistance, with reduced deflection. Possibility of mechanic or hydraulic or pneumatic devices application. Jaws widths 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 length / Series of interchangeable 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 $\pm 0,02\text{mm}$
- RIGIDITÀ & SICUREZZA
- DESIGN COMPATTO E MANEGGEVOLEZZA
- AUTOCENTRANTI
- PREDISPOSIZIONE PER ZERO POINT
- UTILIZZO DISTANZIALI

TECHNICAL FEATURES and ADVANTAGES

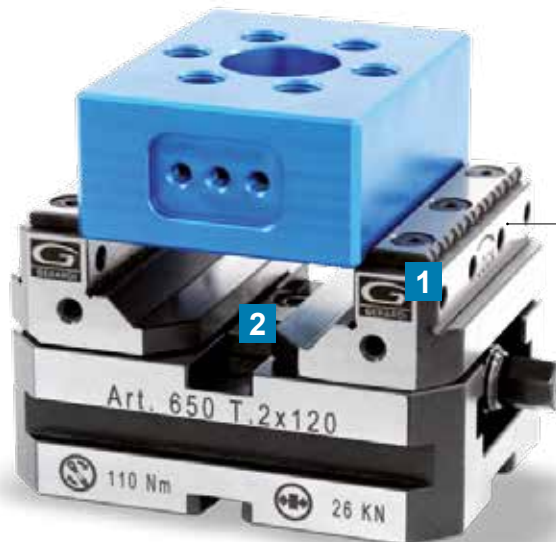
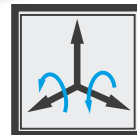
- NO WEAR
- QUICK CLAMPING
- MODULARITY & VERSATILITY
- HIGHEST ACCURACY $\pm 0,02\text{mm}$
- RIGIDITY & SAFETY
- SPACE SAVING DESIGN & HANDY
- SELF-CENTERING
- ZERO POINT READY
- COMPATIBLE RISERS

MORSE serie COMPACT GRIP

COMPACT GRIP series VISES

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

NEW!



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 SERRAGGIO

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 compatible 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.

Tipo (grandezza) morsa
Vise type (size)

Art. 640* *Tipo / Type 3 x 166*

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico

Self-centering or eccentric vise.
Manual operation
Mechanical clamping



kN	30 kN
A	108
A1	20
W	138
B	30
C	58
D	166
E	-
kg	13
Cod.	7.64.03166

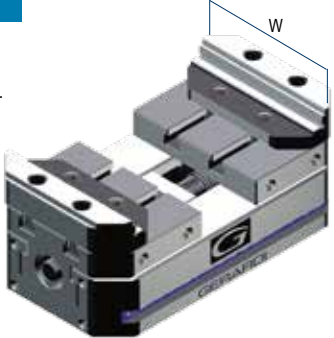
* Kit di fissaggio morsa **non incluso**
Vise fixing kit **not included**

Tipo (grandezza) morsa
Vise type (size)

Art. 640* *Tipo / Type 3 x 266*

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico

Self-centering or eccentric vise.
Manual operation
Mechanical clamping



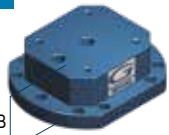
kN	30 kN
A	208
A1	60
W	138
B	30
C	58
D	266
E	200
kg	20
Cod.	7.64.03266

* Kit di fissaggio morsa **non incluso**
Vise fixing kit **not included**

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 641H *Tipo / Type 3 x 166*

Rialzo Semplice
Simple Riser



B	50	75	100
Cod.	7.64.1H3166AL /50	7.64.1H3166AL /75	7.64.1H3166AL /100

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

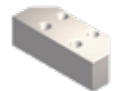
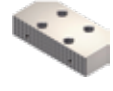
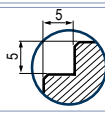
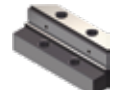
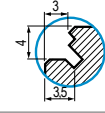
Art. 641H *Tipo / Type 3 x 266*

Rialzo Semplice
Simple Riser



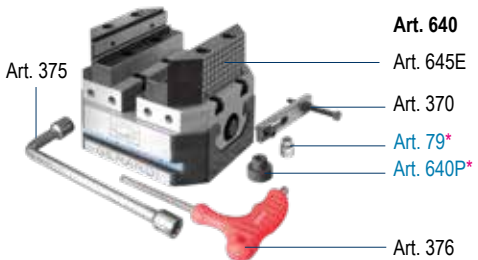
B	50	75	100
Cod.	7.64.1H3266AL /50	7.64.1H3266AL /75	7.64.1H3266AL /100

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		Cod. 7.64.5E300
In Dotazione - Standard Equipment			
Art. 645F	Ganascia prismatica Prismatic jaw		Cod. 7.64.5F300
Art. 645T	Ganascia GRIP GRIP jaw		Cod. 7.64.5T300
			

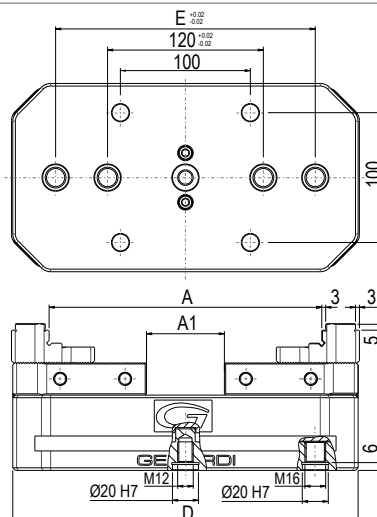
Dotazione standard:

- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376
- 1 arresto laterale Art. 370
- 1 perno calibrato per centraggio e orientamento Art. 79*
- 1 perno calibrato per centraggio Art. 640P* (Indicare dimensione in fase d'ordine)



Standard equipment:

- 1 box wrench Art. 375
- 1 "T" wrench Art. 376
- 1 workstop Art. 370
- 1 calibrated centering and orientation pin Art. 79*
- 1 calibrated centering pin Art. 640P* (Dimension to be advised at order)

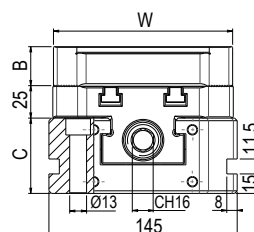


Art. 640 *Tipo / Type 3*

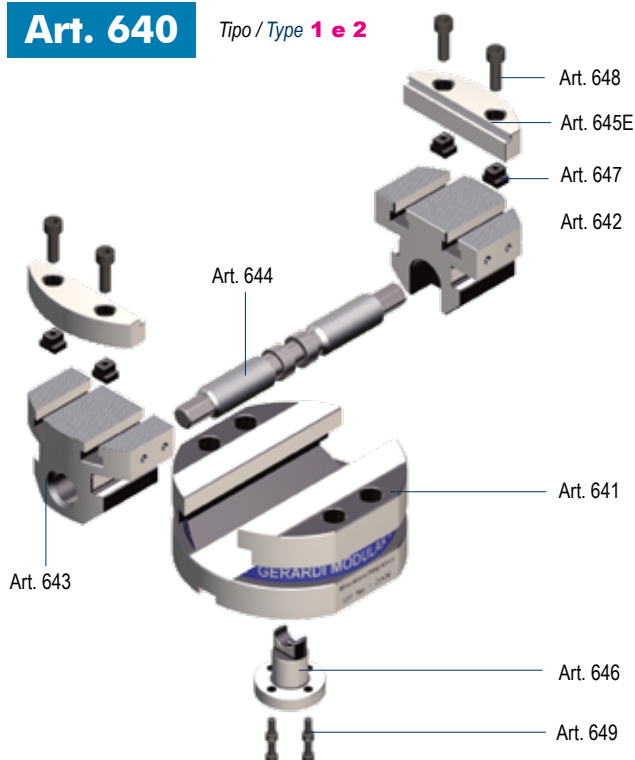
Esempio di ordine: Art. 640 tipo 3 x 166
(Art. 79 16mm + Art. 640P 40mm)

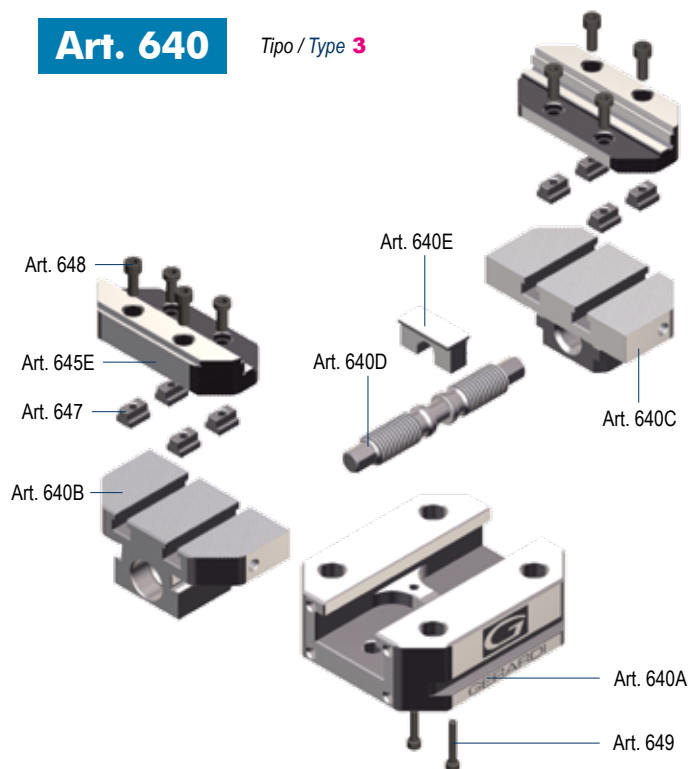
Example of order: Art. 640 type 3 x 166
(Art. 79 16mm + Art. 640P 40mm)

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 (grandezza) / Type (size)
1
2
Art. 641

Cod.

6.64.11000

6.64.12000

 Corpo base
Base body

Art. 642

Cod.

6.64.21000

6.64.22000

 Slitta integrale destra
Solid slide right hand

Art. 643

Cod.

6.64.31000

6.64.32000

 Slitta integrale sinistra
Solid slide left hand

Art. 644

Cod.

6.64.41000

6.64.42000

 Vite di bloccaggio
Main screw

Art. 645E

Cod.

6.64.5E100

6.64.5E200

 Ganascia a gradino
Step jaw

Art. 646

Cod.

6.64.61000

6.64.62000

 Forcella
Yoke

Art. 647

Cod.

6.64.71000

6.64.72000

 Dado a T (Cad.)
T nut (Each)

Art. 648

Cod.

6.64.81000

6.64.82000

 Vite per ganascia
Hex socket head screw for jaw

Art. 649

Cod.

6.64.91000

6.64.92000

 Vite per forcella
Hex socket head screw for yoke

Tipo (grandezza) / Type (size)
3x166
3x266
Art. 640A

Cod.

7.64.0A3166

7.64.0A3266

 Corpo base
Base body

Art. 640B

Cod.

7.64.0B3166

7.64.0B3266

 Slitta integrale sinistra
Solid slide left hand

Art. 640C

Cod.

7.64.0C3166

7.64.0C3266

 Slitta integrale destra
Solid slide right hand

Art. 640D

Cod.

7.64.0D3166

7.64.0D3266

 Vite di bloccaggio
Main screw

Art. 640E

Cod.

7.64.0E3166

7.64.0E3266

 Forcella
Yoke

Art. 645E

Cod.

7.64.5E300

 Ganascia a gradino
Step jaw

Art. 647

Cod.

7.64.73000

 Dado a T (Cad.)
T nut (Each)

Art. 648

Cod.

7.64.83000

 Vite per ganascia
Hex socket head crew for jaw

Art. 649

Cod.

7.64.93000

 Vite per forcella
Hex socket head crew for yoke

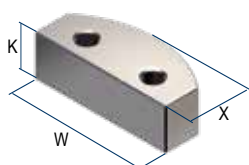
GANASCE PER MORSE MULTITASKING Art.640

JAWS FOR MULTITASKING VICES Art.640

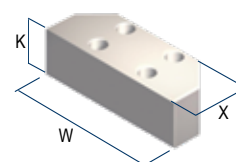
Tipo (grandezza) / Type (size)	1	2	3
	B 15 Y 27,5 W 74	B 20 Y 32,5 W 99	B 30 Y 50 W 138

Art. 645B*

Ganascia dolce
Soft jaw



K	20	30
X	27,5	42,5
Cod.	6.64.5B100	6.64.5B200



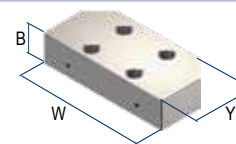
50	64
7.64.5B300	

Art. 645C*

Ganascia liscia
Smooth jaw



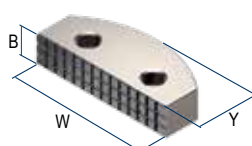
Cod.	6.64.5C100	6.64.5C200
------	------------	------------



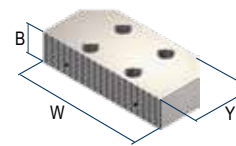
7.64.5C300	
------------	--

Art. 645D*

Ganascia zigrinata
Serrated jaw



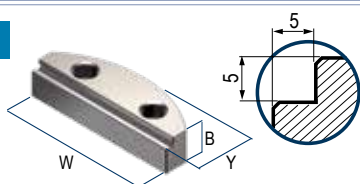
Cod.	6.64.5D100	6.64.5D200
------	------------	------------



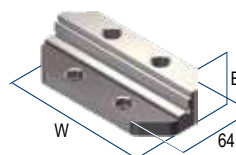
7.64.5D300	
------------	--

Art. 645E*

Ganascia a gradino
Step jaw



Cod.	6.64.5E100	6.64.5E200
------	------------	------------

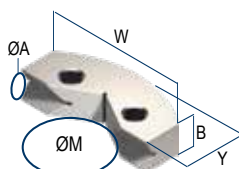


7.64.5E300	
------------	--

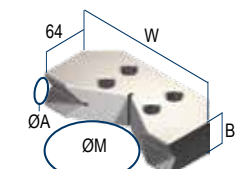
In Dotazione
Standard Equipment

Art. 645F*

Ganascia prismatica
Prismatic jaw



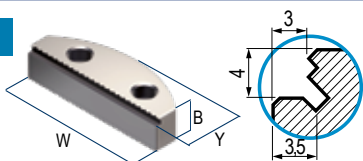
ØA	7 ÷ 15	9 ÷ 20
ØM	25 ÷ 70	35 ÷ 110
Cod.	6.64.5F100	6.64.5F200



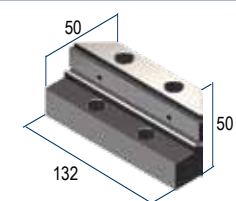
12 ÷ 30	50 ÷ 160
7.64.5F300	

Art. 645T*

Ganascia GRIP Jaw



Cod.	6.64.5T100	6.64.5T200
------	------------	------------



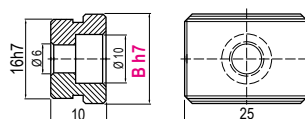
7.64.5T300	
------------	--

* Viti per fissaggio a richiesta Fixing screws on request

Tipo (grandezza) / Type (size)	1	2	3
Art. 79 Perno calibrato per centraggio e orientamento Calibrated centering and orientation pin	ØB - Cod. -	- -	10-12-14-16-18-20 7.79.20M16/ØB

Art. 297

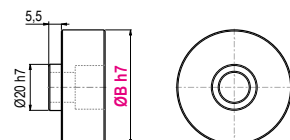
Coppia di tasselli di posizionamento
completi di vite M5 x 10
Pair of positioning key-nuts with M5 x 10 clamping screw



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	20 - 30 - 38,1 - 50 - 50,8
Cod.	7.64.0P100 7.64.0P200 7.64.0P300

* Specificare sempre quota B - Specify always B dimension

Tipo (grandezza) morsa / Vise type (size)
Art. 640J

Morsa autocentrante.
Azionamento manuale.
Serraggio meccanico

Self-centering vise.
Manual operation
Mechanical clamping

Tipo / Type **1 e 2**



* Kit di fissaggio morsa **non incluso**
Vise fixing kit **not included**

kN	1 20 kN	2 26 kN
Ø A	30 ÷ 45	45 ÷ 70
W	74	99
B	60	80
C	50	70
D	Ø120	Ø160
E	35	35
F	92	120
G	30	40
H	156	208
L	M12	M16
M	Ø9	Ø11
kg	5	10
Cod.	7.64.0J100	7.64.0J200

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 641H

Tipo / Type **1**

Rialzo Semplice
Simple Riser



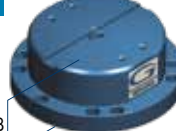
B	50	75	100
Cod.	7.64.1H100AL /50	7.64.1H100AL /75	7.64.1H100AL /100

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

Art. 641H

Tipo / Type **2**

Rialzo Semplice
Simple Riser



B	50	75	100
Cod.	7.64.1H200AL /50	7.64.1H200AL /75	7.64.1H200AL /100

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) = 132mm Ø (anziché 120mm)
For Ø 23÷30 max overall dimension (D1) Ø132mm (instead of 120mm)

Art. 655J

Coppia di ganasce integrali prismatiche
Prismatic solid jaws (1 pair)



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

Da usare in coppia
To be used as a pair

In Dotazione - Standard Equipment

Dotazione standard:

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

Art. 655J



Art. 640J

Art. 297

Art. 640P

Art. 655F (Ø min)

Art. 655F (Ø max)

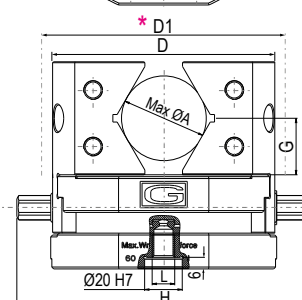
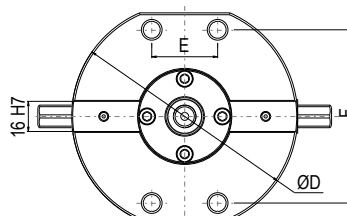
Art. 655B

Art. 375

Art. 370

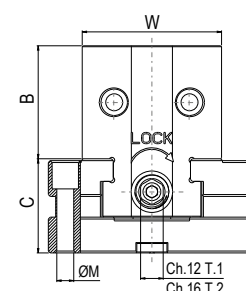
Standard equipment:

- 1 hexagonal 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)

Art. 640J
 Morsa autocentrante.
 Azionamento manuale.
 Serraggio meccanico

 Self-centering vise.
 Manual operation
 Mechanical clamping



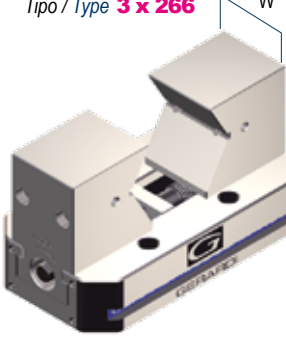
	3
Ø A	44 ÷ 68
A1	-
W	78
B	75
C	58
D	166
E	-
G	45
kg	15
Cod.	7.64.0J310

* Kit di fissaggio morsa **non incluso**
Vise fixing kit **not included**

Tipo (grandezza) morsa
 Vise type (size)

Art. 640J
 Morsa autocentrante.
 Azionamento manuale.
 Serraggio meccanico

 Self-centering vise.
 Manual operation
 Mechanical clamping

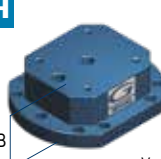


	3
Ø A	48 ÷ 102
A1	66
W	78
B	95
C	58
D	266
E	200
G	55
kg	22
Cod.	7.64.0J320

* Kit di fissaggio morsa **non incluso**
Vise fixing kit **not included**

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 641H
 Tipo / Type
3 x 166
 Rialzo Semplice
 Simple Riser



	B	50	75	100
Cod.		7.64.1H3166AL /50	7.64.1H3166AL /75	7.64.1H3166AL /100

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

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



	B	50	75	100
Cod.		7.64.1H3266AL /50	7.64.1H3266AL /75	7.64.1H3266AL /100

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

Art. 655B
 Piastra ganascia dolce
 Soft jaw-plate



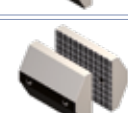
Cod. 7.65.5B316

Art. 655C
 Piastra ganascia liscia
 Smooth jaw-plate



Cod. 7.65.5C316

Art. 655D
 Piastra ganascia zigrinata
 Serrated jaw-plate



Cod. 7.65.5D316

Art. 655F
 Piastra ganascia prismatica
 Prismatic jaw-plate



Tipo / Type	3 x 166	3 x 266	3 x 166	3 x 266
Ø Min / Ø Max	12 ÷ 32	14 ÷ 34	16 ÷ 36	18 ÷ 45
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)



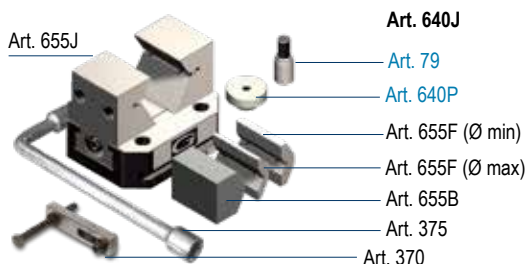
Ø	44 ÷ 68	48 ÷ 102
Cod.	7.65.5J316	7.65.5J326

Da usare in coppia
To be used as a pair

In Dotazione - Standard Equipment

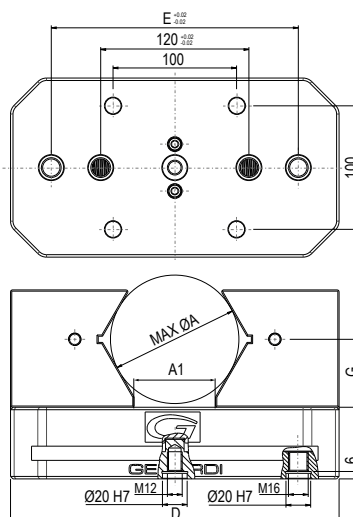
Dotazione standard:

- 1 chiave a pipa Art. 375 ■ 1 arresto laterale Art. 370
- 2 coppie di piastre Art. 655F (Tot. 4 pezzi) ■ 1 coppia di piastre dolci Art. 655B
- 1 perno calibrato per centraggio e orientamento Art. 79*
- 1 perno calibrato per centraggio Art. 640P (Indicare dimensione in fase di ordine)*



Standard equipment:

- 1 box wrench Art. 375 ■ 1 workshop 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)

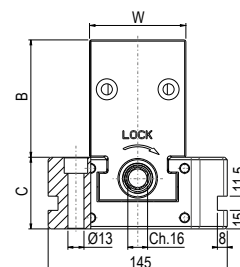


Art. 640J Tipo / Type **3**

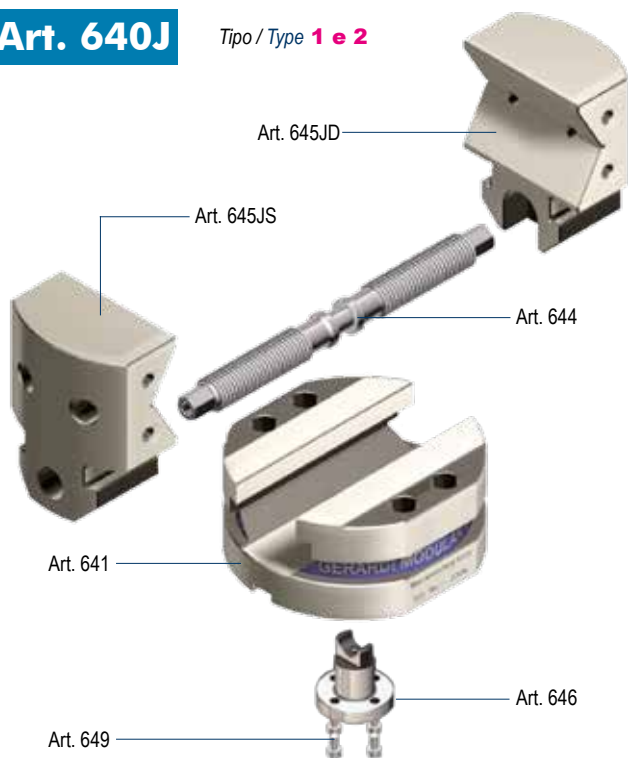
Esempio di ordine: Art. 640J tipo 3 x 266
(Art. 79 16mm + Art. 640P 30mm)

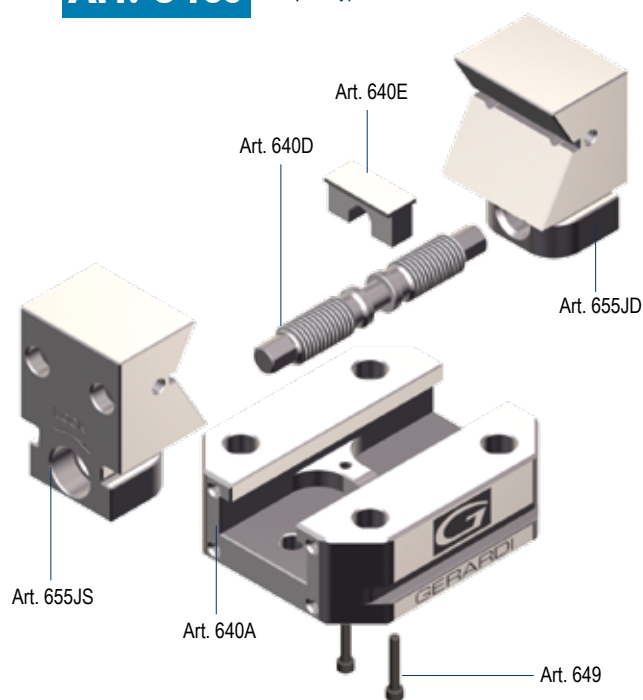
Example of order: Art. 640J type 3 x 266
(Art. 79 16mm + Art. 640P 30mm)

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 (grandezza) / Type (size)	1	2
--------------------------------	---	---

Art. 641	Cod.	6.64.11000	6.64.12000
Corpo base Base body			

Art. 644	Cod.	6.64.41000	6.64.42000
Vite di bloccaggio Main screw			

Art. 645JD *	Cod.	7.64.5JD10	7.64.5JD20
Ganascia integrale prismatica dx Solid prismatic right jaw			

Art. 645JS *	Cod.	7.64.5JS10	7.64.5JS20
Ganascia integrale prismatica sx Solid prismatic left jaw			

Art. 646	Cod.	6.64.61000	6.64.462000
Forcella Yoke			

Art. 649	Cod.	6.64.91000	6.64.492000
Vite per forcella Hex socket head crew for yoke			

Tipo (grandezza) / Type (size)	3x166	3x266
--------------------------------	-------	-------

Art. 640A	Cod.	7.64.0A3166	7.64.0A3266
Corpo base Base body			

Art. 640D	Cod.	7.64.0D3166	7.64.0D3266
Vite di bloccaggio Main screw			

Art. 640E	Cod.	7.64.0E3166	7.64.0E3266
Forcella Yoke			

Art. 655JD *	Cod.	7.65.5JD316	7.65.5JD326
Ganascia integrale prismatica dx Solid prismatic right jaw			

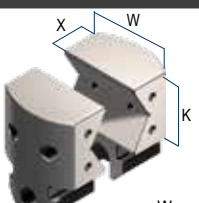
Art. 655JS *	Cod.	7.65.5JS316	7.65.5JS326
Ganascia integrale prismatica sx Solid prismatic left jaw			

Art. 649	Cod.	7.64.93000	
Vite per forcella Hex socket head crew for yoke			

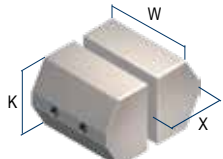
* **Art. 655JD** + **Art. 655JS**
 * **Art. 645JD** + **Art. 645JS** = **Art. 655J**

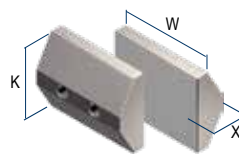
GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.640J

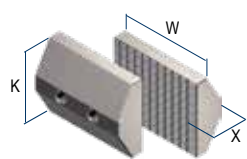
JAWS & JAW PLATES FOR MULTITASKING VISES Art.640J

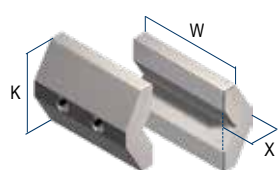
Tipo (grandezza) / Type (size)	1	2	3
Art. 655J			
Tipo / Type 1-2			
Coppia di ganasce integrali prismatiche Prismatic solid jaws (1 pair)			
	W 74 K 60 X 49 Ø 30 ÷ 45 Cod. 7.65.5J100	99 80 59 45 ÷ 70 Cod. 7.65.5J200	78 75 59 44 ÷ 68 Cod. 7.65.5J316
			78 95 95 48 ÷ 102 Cod. 7.65.5J326

Art. 655J
 Tipo / Type **3**
 In Dotazione - Standard Equipment

Art. 655B			
Piastra ganascia dolce Soft jaw-plate			
	K 55 X 38 Cod. 7.65.5B100	70 54 Cod. 7.65.5B200	60 49 Cod. 7.65.5B316

Art. 655C			
Piastra ganascia liscia Smooth jaw-plate			
	K 55 X 23 Cod. 7.65.5C100	70 32 Cod. 7.65.5C200	60 24 Cod. 7.65.5C316

Art. 655D			
Piastra ganascia zigrinata Serrated jaw-plate			
	K 55 X 23 Cod. 7.65.5D100	70 32 Cod. 7.65.5D200	60 24 Cod. 7.65.5D316

Tipo (grandezza) / Type (size)	1	2	3x166	3x266
Art. 655F				
Piastra ganascia prismatica Prismatic jaw-plate				
	K 43 X 17 Ø 10 ÷ 18 Cod. 7.65.5F118	54 22 10 ÷ 30 Cod. 7.65.5F230	60 24 12 ÷ 32 Cod. 7.65.5F330	60 24 12 ÷ 38 Cod. 7.65.5F335
	Ø 15 ÷ 23-23 ÷ 30 *	25 ÷ 45 Cod. 7.65.5F245	14 ÷ 34 Cod. 7.65.5F345	12 ÷ 38 Cod. 7.65.5F350
	Ø - Cod. -	- -	16 ÷ 36 Cod. 7.65.5F345	16 ÷ 58 Cod. 7.65.5F350
	Ø - Cod. -	- -	18 ÷ 45 Cod. 7.65.5F350	24 ÷ 65 Cod. 7.65.5F350

* Per Ø 23÷30 ingombro max. (D1) = 132mm Ø (anziché 120mm)
 For Ø 23÷30 max overall dimension (D1) Ø132mm (instead of 120mm)

Tipo (grandezza) / Type (size)	1	2	3
Art. 79			
Perno calibrato per centraggio e orientamento Calibrated centering and orientation pin			
	ØB - Cod. -	- -	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			
	16h7 0.6 10 Ø10 B h7	25	

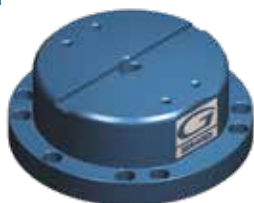
Art. 640P			
Perno calibrato per centraggio Calibrated centering pin			
	5.5 Ø20 h7 ØB h7	20 - 30 - 38,1 - 50 - 50,8 Cod. 7.64.0P100	7.64.0P200 7.64.0P300

* Specificare sempre quota B - Specify always B dimension

RIALZI IN ALLUMINIO PER MORSE ART.640

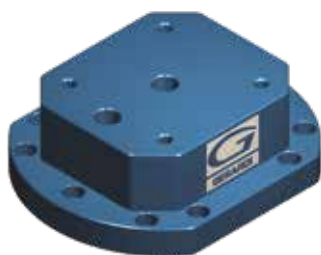
ALUMINUM RISERS FOR VISES ART.640

Tipo (grandezza) rialzo Riser type		1			2		
Art. 641H Tipo / Type 1 e 2 Rialzo semplice Simple riser	ØA	120			160		
	B	50	75	100	50	75	100
	kg	3	4,5	5,4	3,5	4,9	6,4
	Cod.	7.64.1H100AL/50	7.64.1H100AL/75	7.64.1H100AL/100	7.64.1H200AL/50	7.64.1H200AL/75	7.64.1H200AL/100



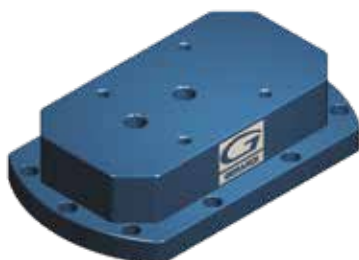
* Kit di fissaggio e allineamento rialzo **non incluso**
Riser fixing and alignment kit **not included**

Tipo (grandezza) rialzo / Riser type (size)		3		
Art. 641H Tipo / Type 3 x 166 Rialzo semplice Simple riser	A	166		
	B	50	75	100
	C	230		
	D	190		
	kg	3,8	5,3	6,8
	Cod.	7.64.1H3166AL/50	7.64.1H3166AL/75	7.64.1H3166AL/100



* Kit di fissaggio e allineamento rialzo **non incluso**
Riser fixing and alignment kit **not included**

Tipo (grandezza) rialzo / Riser type (size)		3		
Art. 641H Tipo / Type 3 x 266 Rialzo semplice Simple riser	A	266		
	B	50	75	100
	C	310		
	D	286		
	kg	5,8	8,3	10,7
	Cod.	7.64.1H3266AL/50	7.64.1H3266AL/75	7.64.1H3266AL/100



* Kit di fissaggio e allineamento rialzo **non incluso**
Riser fixing and alignment kit **not included**

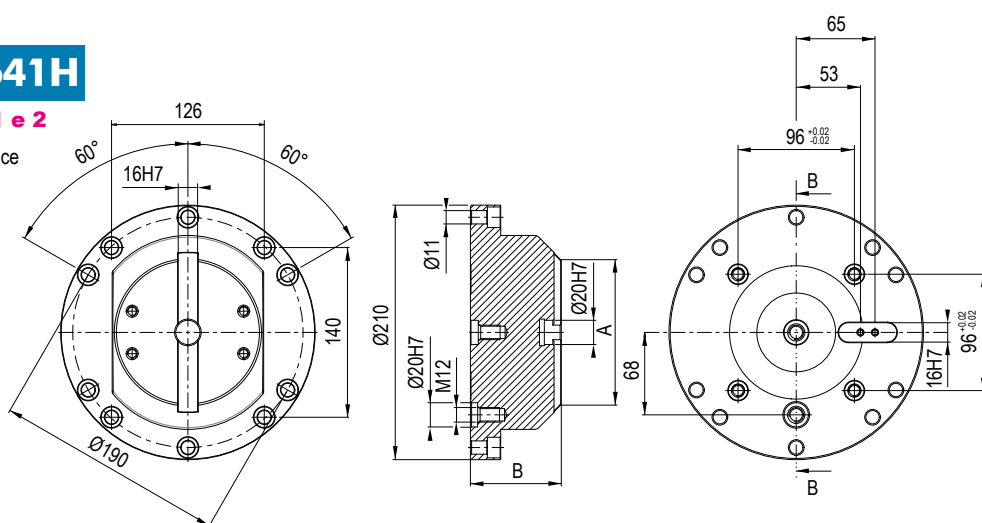
RIALZI IN ALLUMINIO per MORSE Art.640

ALUMINUM RISERS for VISES Art.640

Art. 641H

Tipo / Type **1 e 2**

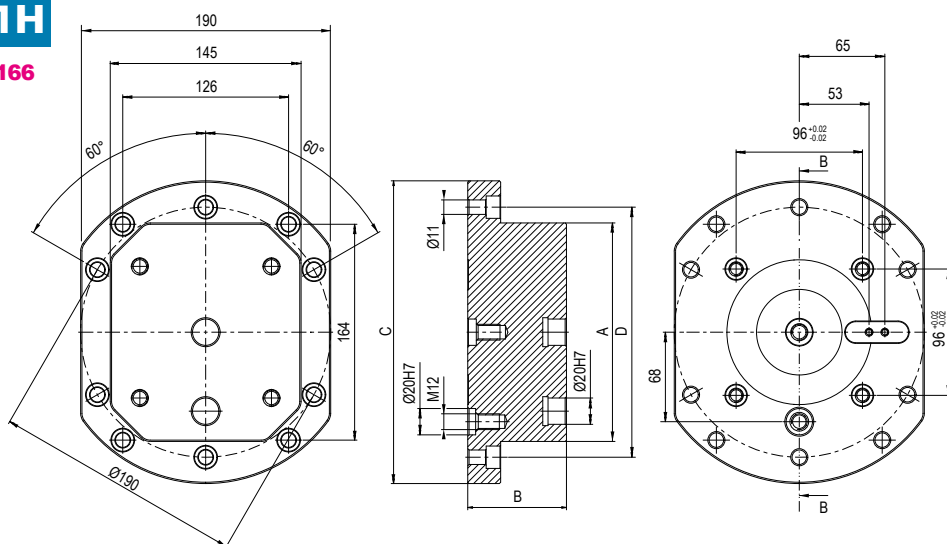
Rialzo semplice
Simple riser



Art. 641H

Tipo / Type **3 x 166**

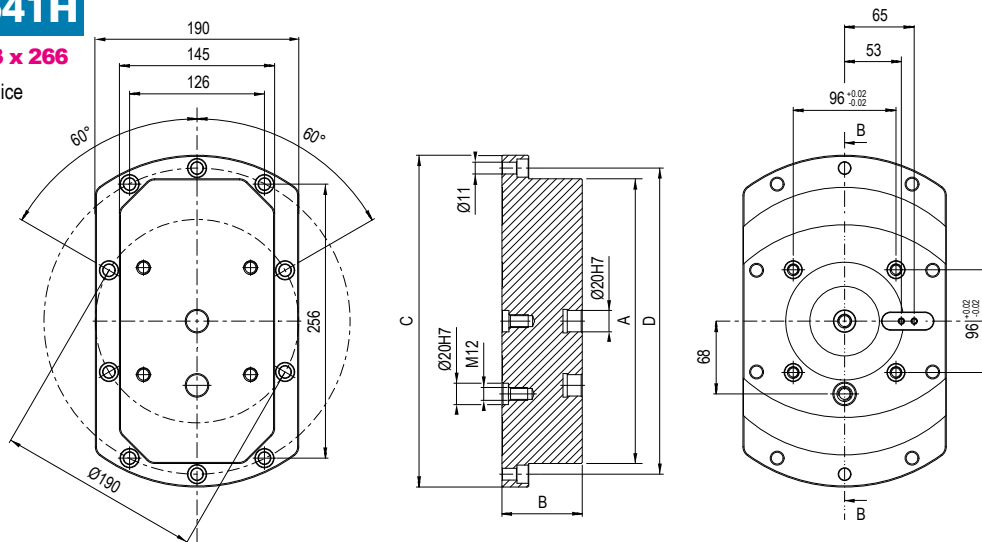
Rialzo semplice
Simple riser



Art. 641H

Tipo / Type **3 x 266**

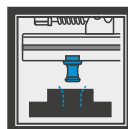
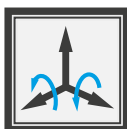
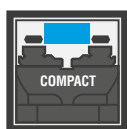
Rialzo semplice
Simple riser



ESEMPI APPLICATIVI MORSE COMPACT GRIP SU CENTRI DI LAVORO A 5 ASSI

COMPACT GRIP VISES APPLICATION EXAMPLES ON 5 AXIS MACHINES

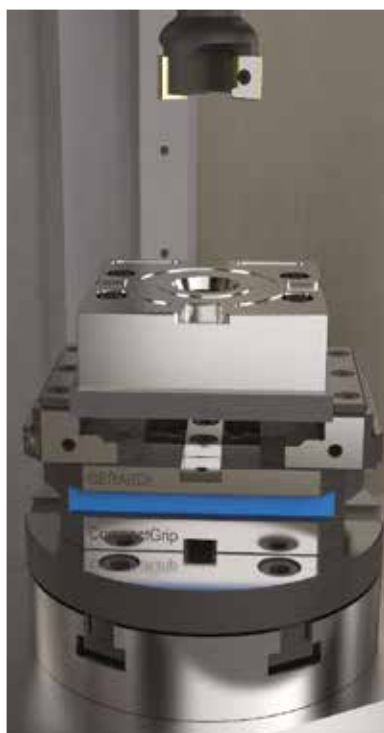
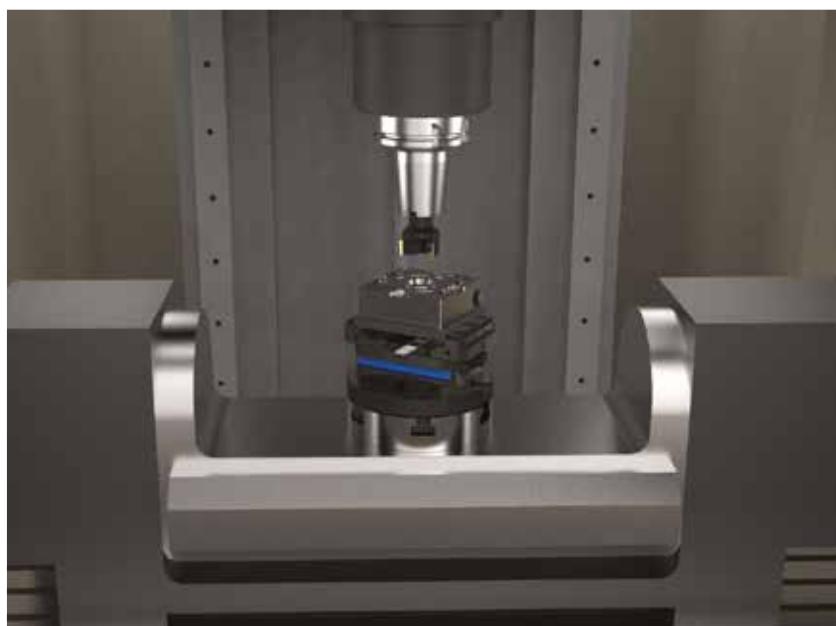
NOVITA' ASSOLUTA
NEW!



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, cosiddetto "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.

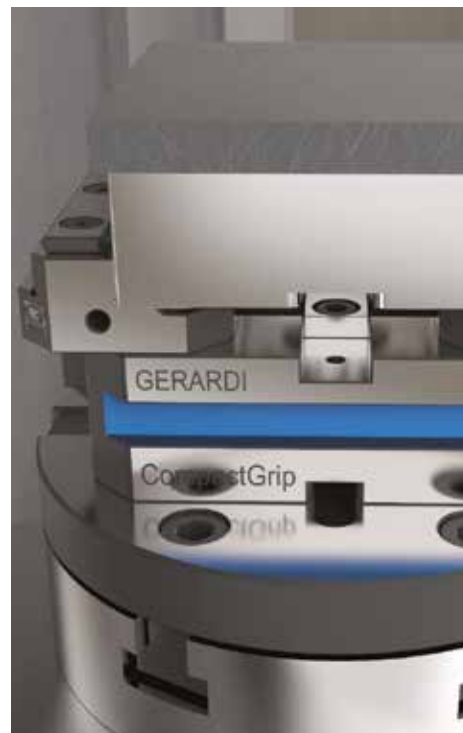
The absolute news for 5 axis machine centres and new multiclamping system are the self-centering Compact Grip vises. Their name identifies the main vise features which are the extreme compactness and easiest handling and the system of inserts which adopts, so called "GRIP". This system includes a range 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 the workpiece and finish the workpiece.

ESEMPI APPLICATIVI MORSE FMS SU CENTRI A 5 ASSI

FMS VISES APPLICATION EXAMPLES ON 5 AXIS MACHINES

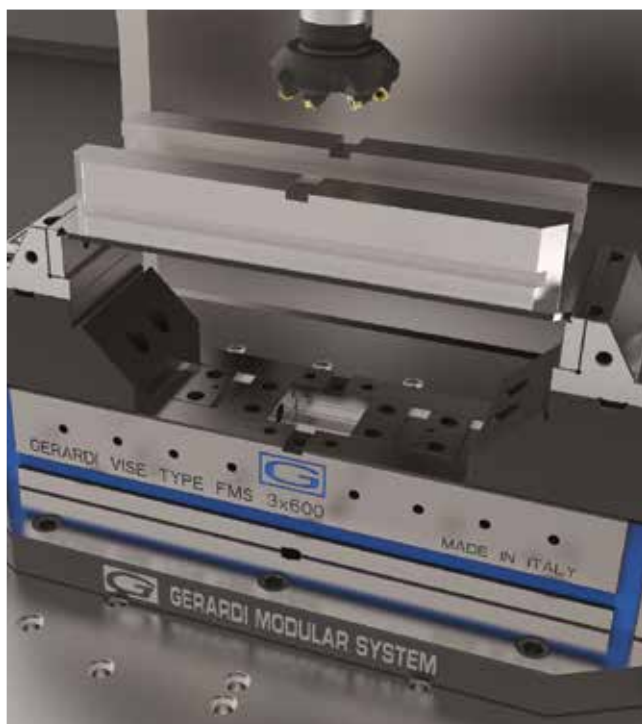
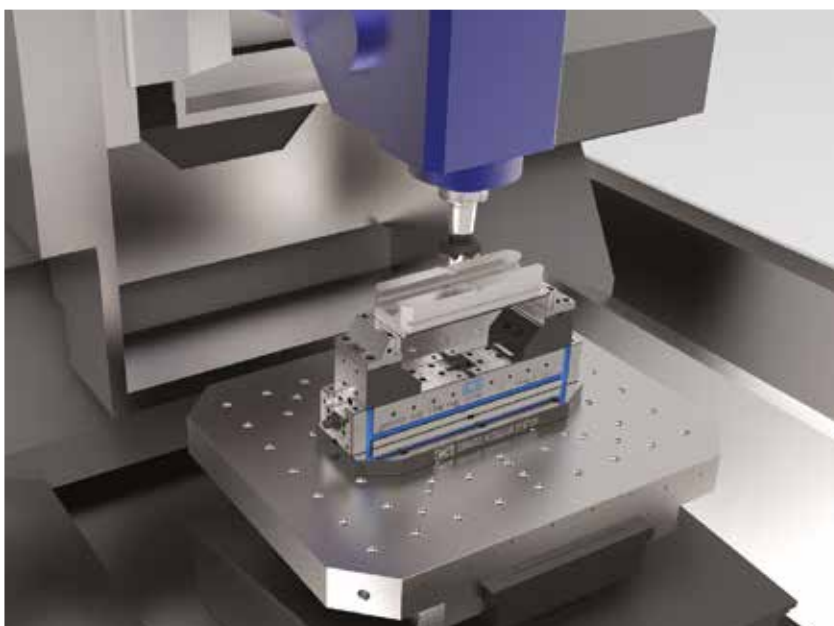
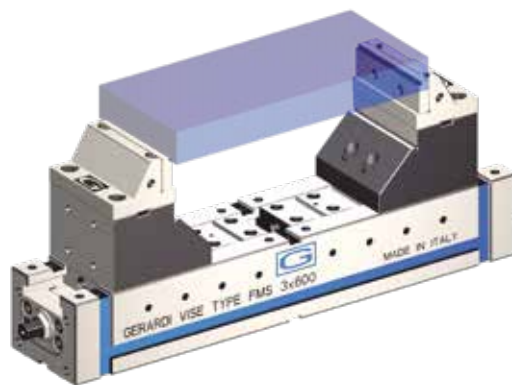
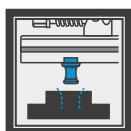
NEW!

Art.868 FMS series

Grazie all'estrema versatilità del sistema modulare Gerardi anche le morse FMS, adeguatamente riconfigurate, possono rientrare nella cosiddetta categoria di morse Multitasking per centri di lavoro a 5 assi. Basterà quindi montare la base mobile Art.814 con le relative ganasce Art.805V sul modulo base universale Art.855.

Thanks to the extreme versatility of the Gerardi Modular System even the FMS vises, properly reconfigured, can be used as Multitasking vises for 5 axis machine centres.

It will be enough to assemble the movable base Art.814 with the Art.805V jaws on the universal vise base module Art.855



Particolare sollevato tramite base mobile Art.814
Workpiece raised by movable base Art.814

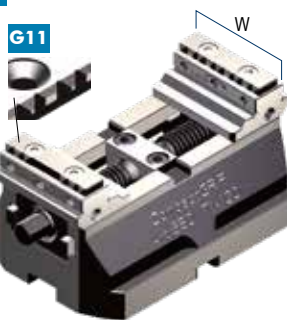


Dettaglio serraggio tramite piastrina GRIP Art.247T
Detail of clamping by GRIP jaw plate Art.247T

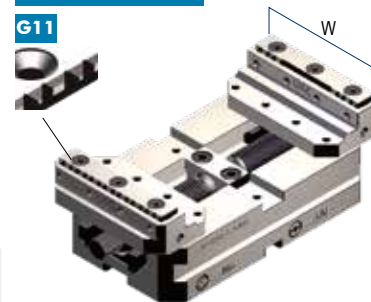
Tipo (grandezza) morsa / Vise type (size)
kN
1
12 kN
2
22 kN
Art. 650
Tipo / Type 1x120

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

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



A	54	94	134
E	80	120	160
kg	1,9	2,7	3,4
Cod.	7.65.01080	7.65.01120	7.65.01160

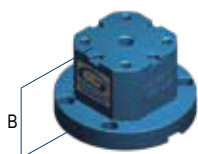
Art. 650
Tipo / Type 2x160


*Kit di fissaggio morsa non incluso / Vise fixing kit not included

*Kit di fissaggio morsa non incluso / Vise fixing kit not included

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 651H
Tipo / Type 1

Rialzo Semplice
Simple Riser

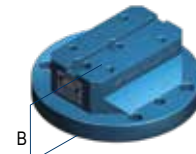


B	100		
Cod.	7.65.1H108 / 100	7.65.1H112 / 100	7.65.1H116 / 100

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

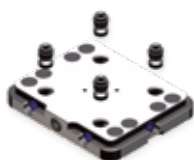
Art. 651H
Tipo / Type 2

Rialzo Semplice
Simple Riser


Art. 660

Interasse / Type
52 mm

Tavola Quick change
Quick change table



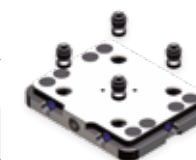
Vedi gamma completa - See the complete range Page 7.30 / 7.31

Cod.	9.66.05200
------	------------

Art. 660

Interasse / Type
52 mm

Tavola Quick change
Quick change table


Art. 650X
NEW!

Ganascia fissa intermedia
Intermediate fixed jaw

Cod.	-
------	---


Art. 650X

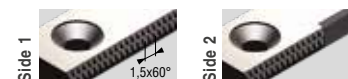
Ganascia fissa intermedia
Intermediate fixed jaw

Art. 650T G01

Coppia di inserti ganasce
A pair of top jaw inserts
GRIP (Passo - Pitch 1,5mm)



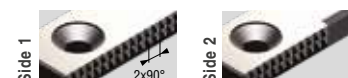
Cod.	7.65.0T100/01
------	---------------


Art. 650T G02

Coppia di inserti ganasce
A pair of top jaw inserts
GRIP (Passo - Pitch 2mm)



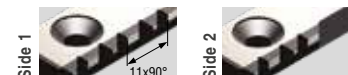
Cod.	7.65.0T100/02
------	---------------


Art. 650T G11

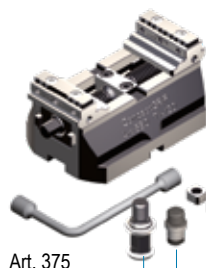
Coppia di inserti ganasce
A pair of top jaw inserts
GRIP (Passo - Pitch 11mm)



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.370EM
- 2 tasselli di posizionamento Art.297 ■ 2 tasselli per regolazione autocentrante Art.650G


Art. 650

Art. 370 / EM

Art. 297

Art. 650G

Art.650T-G01

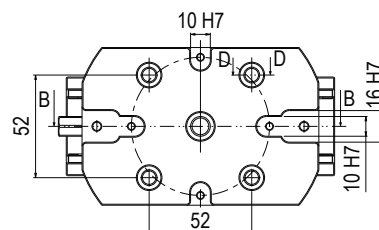
Art.79 or Art.11S

(a scelta / to be choosen)

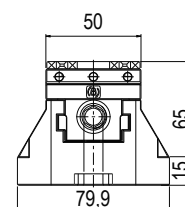
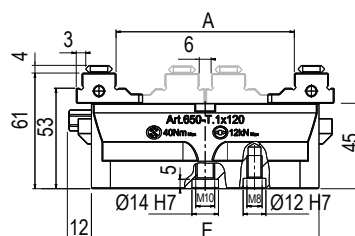
Art. 375

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 workshop Art.370EM


Art. 650
Tipo / Type 1

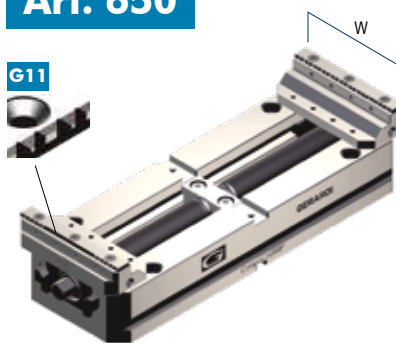
USARE STAFFE
USE SIDE CLAMPS
Art.298 Tipo / Type

1xM10 / 1xM12 / 1xM16


2 22 kN				
kN				
A	96	136	176	216
E	120	160	200	240
kg	3,6	4,4	5,2	5,8
Cod.	7.65.02120	7.65.02160	7.65.02200	7.65.02240

3 32 kN				
	133	183	233	283
	160	210	260	310
	9,1	10,9	12,8	14,8
	7.65.03160	7.65.03210	7.65.03260	7.65.03310

Art. 650

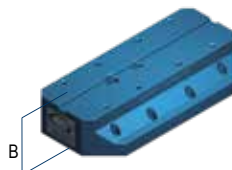
Tipo / Type **3x310**


*Kit di fissaggio morsa non incluso / Vise fixing kit not included

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

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

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



Art. 651H

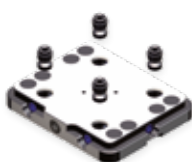
Tipo / Type **3**

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

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

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

Cod. 9.66.05200



Art. 660

Interasse / Type

96 mm

Tavola Quick change
Quick change table

Vedi gamma completa - See the complete range Page 7.30 / 7.31

9.66.09600

Cod. 7.65.0X2000



Art. 650X

Ganascia fissa intermedia
Intermediate fixed jaw

7.65.0X3000

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

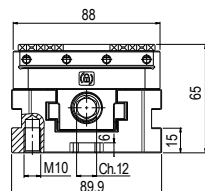
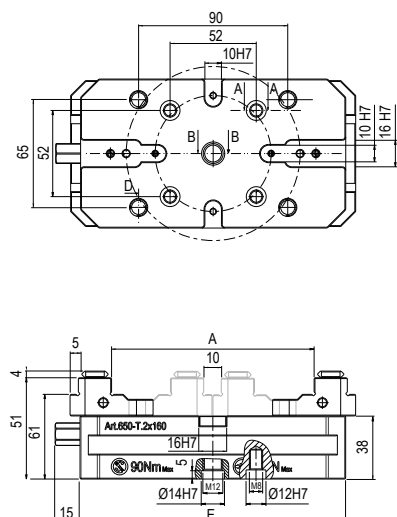
7.65.0T300/11

Art. 650

Tipo / Type **2**

USARE STAFFE
USE SIDE CLAMPS

Art.298 Tipo / Type

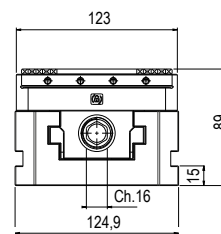
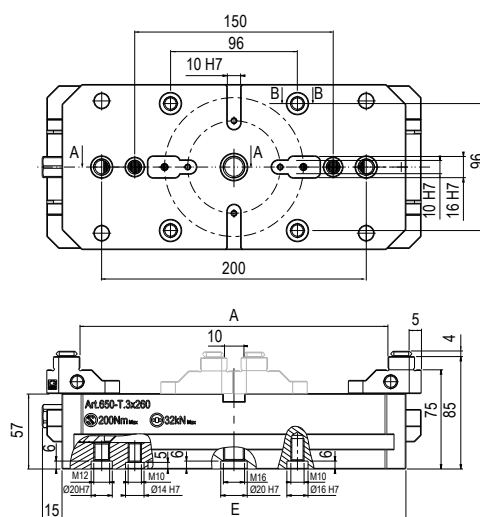
1xM10 / 1xM12 / 1xM16


Art. 650

Tipo / Type **3**

USARE STAFFE
USE SIDE CLAMPS

Art.298 Tipo / Type

1xM10 / 1xM12 / 1xM16


GANASCE E INSERTI GANASCE PER MORSE COMPACT GRIP Art.650

COMPACT GRIP
NEW!

JAWS & INSERT JAWS FOR COMPACT GRIP VISES Art.650

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
   							



Inserti ganasce per ganscia fissa centrale Top jaw inserts for central fixed jaw				1	2	3		
Art. 650Y LISCIE - SMOOTH Materiali teneri e lavorazioni finali Soft material clamping and final machining				Side 1/2 	Cod.	7.65.0Y100	7.65.0Y200	7.65.0Y300
Art. 650V RUVIDE - ROUGH Miglior presa pezzo Best workpiece clamping				Side 1/2 	Cod.	7.65.0V100	7.65.0V200	7.65.0V300
Art. 650U G01 GRIP (Passo - Pitch 1,5mm) Per materiali di durezza normale For standard workpieces hardness clamping				Side 1/2 	Cod.	7.65.0T100/G01	7.65.0T200/G01	7.65.0T300/G01
Art. 650U G02 GRIP (Passo - Pitch 2mm) Per materiali di notevole durezza For hardened workpieces clamping				Side 1/2 	Cod.	7.65.0T100/G02	7.65.0T200/G02	7.65.0T300/G02
Art. 650U G11 GRIP (Passo - Pitch 11mm) Per materiali teneri For soft material clamping				Side 1/2 	Cod.	7.65.0U100/G11	7.65.0U200/G11	7.65.0U300/G11

GANASCE PER MORSE COMPACT GRIP Art.650

JAWS FOR COMPACT GRIP VISES Art.650

COMPACT GRIP
NEW!

Tipo (grandezza) / Type (size)		1	2	3
	A	50	30	50
	B	88	55	55
	C	123	70	60

Art. 650BM

NEW!

Ganascia lavorabile
filetto destro
Soft machineable jaw
right thread



Cod.

7.65.0BM10

7.65.0BM20



7.65.0BM30

Art. 650CM

NEW!

Ganascia lavorabile
filetto sinistro
Soft machineable jaw
left thread



Cod.

7.65.0CM10

7.65.0CM20



7.65.0CM30

Tipo (grandezza) / Type (size)		1	2	3
	A	-	22	22
	A1	-	28	29
	B	-	13	18
	B1	-	23	28
	C	-	88	123

Art. 650X

NEW!

Ganascia fissa intermedia
Intermediate fixed jaw



Cod.

-

7.65.0X2000

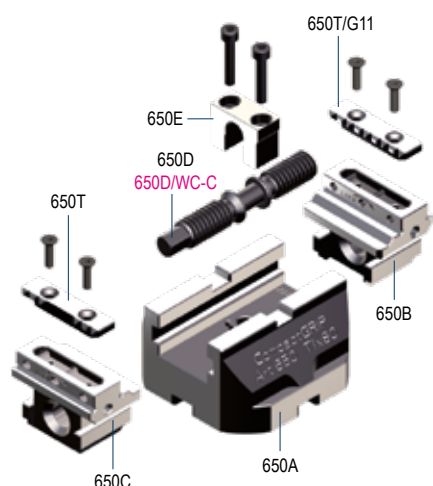


7.65.0X3000



Art. 650

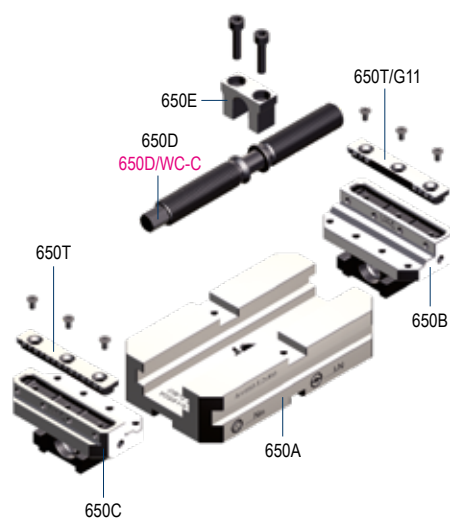
Tipo / Type 1



Tipo / Type 1		1x80	1x120	1x160
Art. 650A	Cod.	7.65.0A1080	7.65.0A1120	7.65.0A1160
Corpo base - Base body				
Art. 650B	Cod.		7.65.0B1000	
Ganascia integrale destra Solid jaw right hand				
Art. 650C	Cod.		7.65.0C1000	
Ganascia integrale sinistra Solid jaw left hand				
Art. 650D	Cod.	7.65.0D1080	7.65.0D1120	7.65.0D1160
Vite di bloccaggio - Main screw				
Art. 650D WC/C (Optional)	Cod.	7.65.0D1080/WC-C	7.65.0D1120/WC-C	7.65.0D1160/WC-C
Vite di bloccaggio a scorrimento rapido Quick-slide clamping screw				
Art. 650E	Cod.		7.65.0E1000	
Forcella - Yoke				
Art. 650T / G11	Cod.		7.65.0T1000 / G11	
Coppia di inserti per materiali teneri Pair of top jaw inserts for soft material clamping				

Art. 650

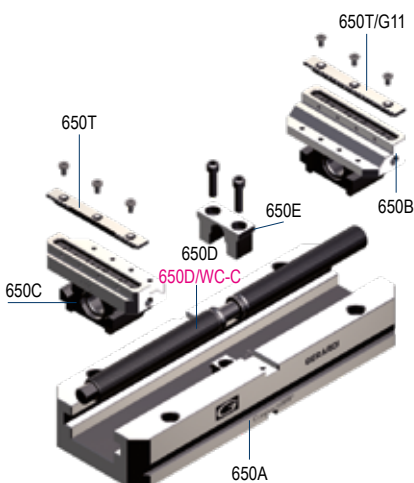
Tipo / Type 2



Tipo / Type 2		2x120	2x160	2x200	2x240
Art. 650A	Cod.	7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Corpo base - Base body					
Art. 650B	Cod.		7.65.0B2000		
Ganascia integrale destra Solid jaw right hand					
Art. 650C	Cod.		7.65.0C2000		
Ganascia integrale sinistra Solid jaw left hand					
Art. 650D	Cod.	7.65.0D2120	7.65.0D2160	7.65.0D2200	7.65.0D2240
Vite di bloccaggio - Main screw					
Art. 650D WC/C (Optional)	Cod.	7.65.0D2120/WC-C	7.65.0D2160/WC-C	7.65.0D2200/WC-C	7.65.0D2240/WC-C
Vite di bloccaggio a scorrimento rapido Quick-slide clamping screw					
Art. 650E	Cod.		7.65.0E2000		
Forcella - Yoke					
Art. 650T / G11	Cod.		7.65.0T2000 / G11		
Coppia di inserti per materiali teneri Pair of top jaw inserts for soft material clamping					

Art. 650

Tipo / Type 3



Tipo / Type 3		3x160	3x210	3x260	3x310	3x360
Art. 650A	Cod.	7.65.0A3160	7.65.0A3210	7.65.0A3260	7.65.0A3310	7.65.0A3360
Corpo base - Base body						
Art. 650B	Cod.			7.65.0B3000		
Ganascia integrale destra Solid jaw right hand						
Art. 650C	Cod.			7.65.0C3000		
Ganascia integrale sinistra Solid jaw left hand						
Art. 650D	Cod.	7.65.0D3160	7.65.0D3210	7.65.0D3260	7.65.0D3310	7.65.0D3360
Vite di bloccaggio - Main screw						
Art. 650D WC/C (Optional)	Cod.	7.65.0D3160/ WC-C	7.65.0D3210/ WC-C	7.65.0D3260/ WC-C	7.65.0D3310/ WC-C	7.65.0D3360/ WC-C
Vite di bloccaggio a scorrimento rapido Quick-slide clamping screw						
Art. 650E	Cod.			7.65.0D3000		
Forcella - Yoke						
Art. 650T / G11	Cod.			7.65.0T3000/G11		
Coppia di inserti per materiali teneri Pair of top jaw inserts for soft material clamping						

ACCESSORI PER MORSE COMPACT GRIP Art.650

Art.650 COMPACT GRIP VISES ACCESSORIES

COMPACT GRIP
NEW!

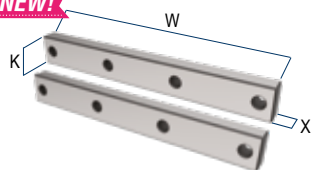
Coppie di piastrine frontali Pair of frontal jaw plates

Art. 655L

NEW!

Coppia di piastrine LISCE frontali

Pair of frontal SMOOTH jaw plates



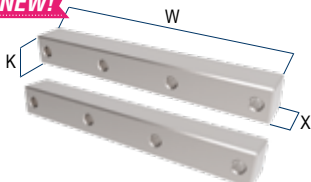
	1	2	3
W	50	80	115
K	8	10	10
X	3,5	5,5	5,5
Cod.	7.65.5L100	7.65.5L200	7.65.5L300

Art. 655M

NEW!

Coppia di piastrine DOLCI frontali

Pair of frontal SOFT jaw plates



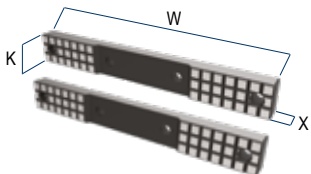
	1	2	3
W	50	80	115
K	8	10	10
X	10	10,5	10,5
Cod.	7.65.5M100	7.65.5M200	7.65.5M300

Art. 655N

NEW!

Coppia di piastrine ZIGRINATE frontali

Pair of frontal SERRATED jaw plates



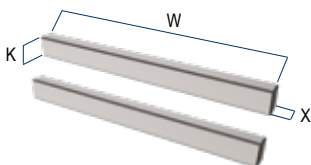
	1	2	3
W	50	80	115
K	8	10	10
X	3,5	5,5	5,5
Cod.	7.65.5N100	7.65.5N200	7.65.5N300

Art. 655P

NEW!

Coppia di piastrine A GRADINO frontali

Pair of frontal STEP JAWS jaw plates



	1	2	3
W	50	80	115
K	5	7	7
X	3	5	5
Cod.	7.65.5P100	7.65.5P200	7.65.5P300

Art. 370EM

Arresto laterale magnetico
Magnetic workstop

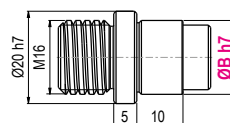


Cod.	7.37.01000/EM	7.37.02000/EM
------	---------------	---------------

Tipo (grandezza) / Type (size)

Art. 79

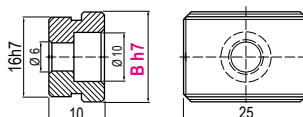
Perno calibrato per centraggio e orientamento
Calibrated centering and orientation pin



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

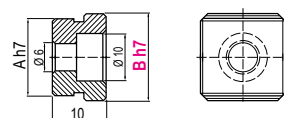
Coppia di tasselli di posizionamento completi di vite M5 x 10
Pair of positioning key-nuts with M5 x 10 clamping screw



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

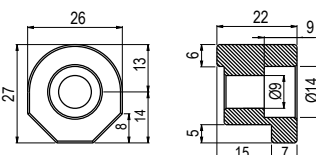


A	10	16
B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	
Cod.	7.65.0G1000	7.65.0G2000

Specificare sempre quota B - Specify always B dimension

Art. 298 / CGR

Staffa per Compact Grip
Compact Grip holding clamp



Cod.	7.29.81000/CGR
------	----------------

Tipo (grandezza) morsa / Vise (type) size
kN
2
22 kN
Art. 950
Tipo / Type **2x160**

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

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



*Kit di fissaggio morsa **non incluso**
Vise fixing kit **not included**

A	45	85	125	165
W			128	
B			93	
C			38	
C1			53	
D			89,9	
E	120	160	200	240
F			52	
G			49	
L			Ø12	
L1			M8	
kg	7,9	8,6	9,4	10,1
Cod.	7.95.02120	7.95.02160	7.95.02200	7.95.02240

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 651H
Tipo / Type **2**

Rialzo Semplice
Simple Riser

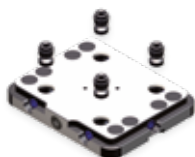


B				100
Cod.	7.65.1H212 / 100	7.65.1H216 / 100	7.65.1H220 / 100	7.65.1H224 / 100

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

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

Tavola Quick change
Quick change table

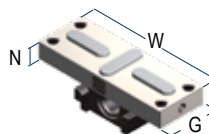


Cod.	9.66.05200
------	------------

Vedi gamma completa - See the complete range Page 7.30 / 7.31

Art. 950B

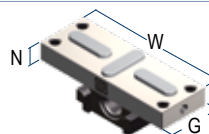
Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT HAND** with
positioning key nuts



Cod.	7.95.0B2000
------	-------------

Art. 950C

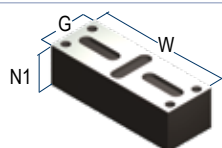
Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT HAND** with
positioning key nuts



Cod.	7.95.0C2000
------	-------------

Art. 950D

Ganascia lavorabile in acciaio
Machineable steel jaw



Cod.	7.95.0D2000
------	-------------

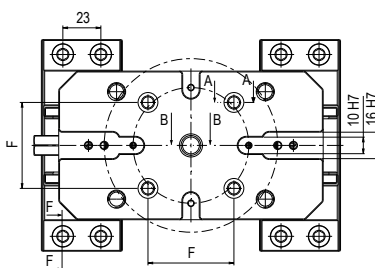
Dotazione standard:

■ 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


Art. 950
Art. 370 / EM
Art. 297
Art. 650G
Art.79 or Art.11S
(a scelta / to be chosen)

Art. 375
Standard equipment:

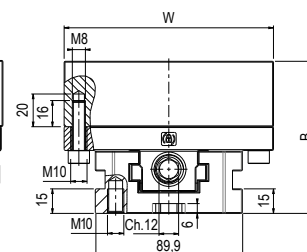
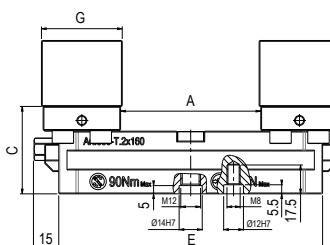
■ 1 box wrench Art.375 ■ 1 calibrated centering and orientation pin (Art.79) or 1 pull stud for zero point (Art.11A) ■ 2 positioning key-nuts Art.297 ■ 2 self-centering key-nuts Art.650G ■ 1 workstop Art.370


Art. 950
Tipo / Type **2**

USARE STAFFE
USE SIDE CLAMPS

Art.298 Tipo / Type

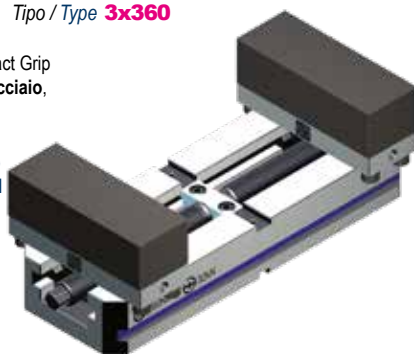
1xM10 / 1xM12 / 1xM16



Tipo (grandezza) morsa / Vise (type) size
Art. 950

 Tipo / Type **3x360**

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

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


	2				
	32 kN				
A	71	121	171	221	271
W			160		
B			124		
C			57		
C1			77		
D			124,9		
E	160	210	260	310	360
F			96		
G			59		
L			Ø16		
L1			M10		
kg	16.8	18.6	20.5	22.5	24.4
Cod.	7.95.03160	7.95.03210	7.95.03260	7.95.03310	7.95.03360

 * Kit di fissaggio morsa **non incluso**
 Vise fixing kit **not included**
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !
Art. 651H

 Tipo / Type **3**

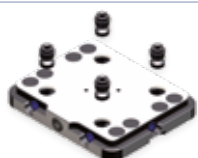
 Rialzo Semplice
 Simple Riser


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

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

Art. 660

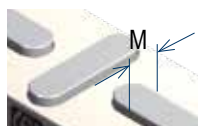
 Interasse / Type **96 mm**

 Tavola Quick change
 Quick change table


Cod.	9.66.09600				
------	------------	--	--	--	--

Vedi gamma completa - See the complete range Page 7.30 / 7.31

Art. 950B

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


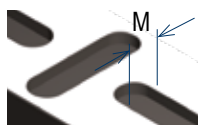
Cod.	7.95.0B3000				
------	-------------	--	--	--	--

Art. 950C

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


Cod.	7.95.0C3000				
------	-------------	--	--	--	--

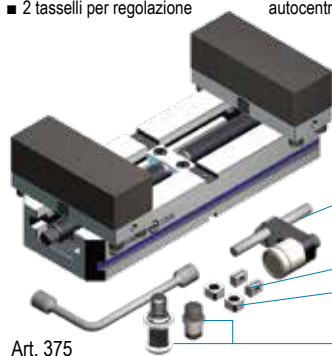
Art. 950D

 Ganasca lavorabile in acciaio
 Machineable steel jaw


Cod.	7.95.0D3000				
------	-------------	--	--	--	--

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



Art. 950

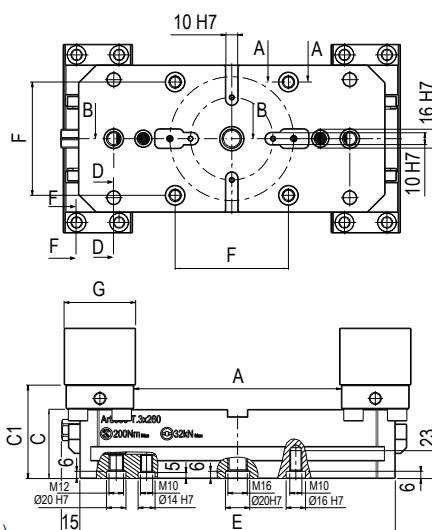
Art. 370 / EM

 Art. 297
 Art. 650G

 Art.79 or Art.11S
 (a scelta / to be choosen)

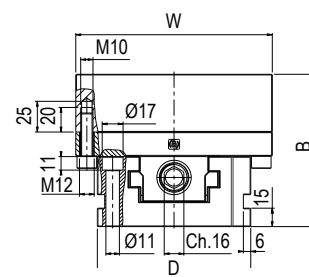
Standard equipment:

- 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 workshop Art.370

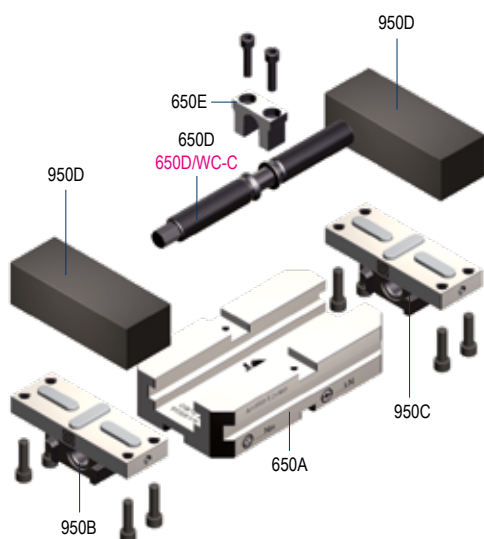

Art. 950

 Tipo / Type **3**

 USARE STAFFE
 USE SIDE CLAMPS

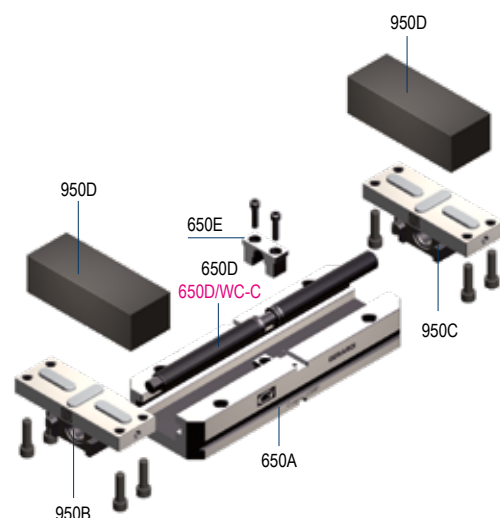
 Art.298 Tipo / Type
1xM10 / 1xM12 / 1xM16


Art. 950

Tipo / Type **2**
NEW!


Tipo / Type 2	2x120	2x160	2x200	2x240
Cod.	7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Art. 650A Corpo base - Base body				
Cod.	7.95.0B2000			
Art. 950B * Ganascia integrale destra Solid jaw right hand				
Cod.	7.95.0C2000			
Art. 950C * Ganascia integrale sinistra Solid jaw left hand				
Cod.	7.65.0D2120	7.65.0D2160	7.65.0D2200	7.65.0D2240
Art. 650D Vite di bloccaggio - Main screw				
Cod.	7.65.0D2120/ WC-C	7.65.0D2160/ WC-C	7.65.0D2220/ WC-C	7.65.0D2240/ WC-C
Art. 650D WC/C (Optional) Vite di bloccaggio a scorrimento rapido Quick-slide clamping screw				
Cod.	7.65.0E2000			
Art. 650E Forcella - Yoke				
Cod.	7.95.0D2000			
Art. 950D Ganascia lavorabile in acciaio Machineable steel jaw				

Art. 950

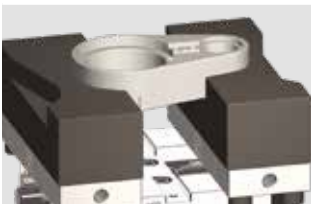
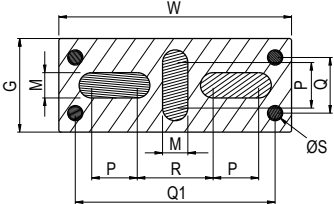
Tipo / Type **3**
NEW!


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

ACCESSORI PER MORSE COMPACT GRIP Art.950

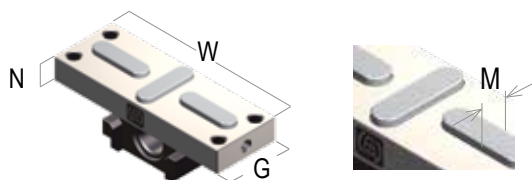
Art.950 COMPACT GRIP VISES ACCESSORIES

**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

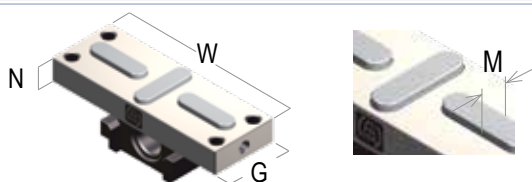
Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT HAND**
with positioning key nuts



N	15	20
Cod.	7.95.0B2000	7.95.0B3000

Art. 950C

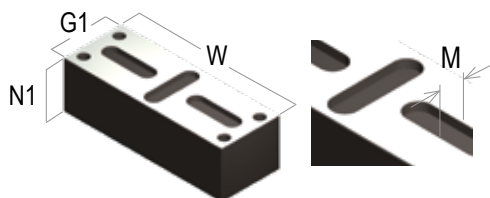
Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT HAND**
with positioning key nuts



N	15	20
Cod.	7.95.0C2000	7.95.0C3000

Art. 950D*

Ganascia lavorabile in acciaio
Machineable steel jaw
G1= G+2 mm



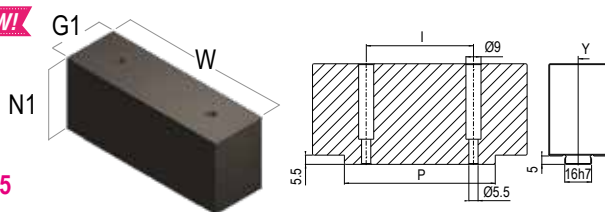
N1	30	47
Cod.	7.95.0D2000	7.95.0D3000

* Viti per fissaggio a richiesta **€10**
Fixing screws on request **€10**

Art. 950X*

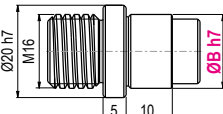
NEW!

Ganascia fissa intermedia
lavorabile in acciaio
Intermediate machineable
steel fixed jaw



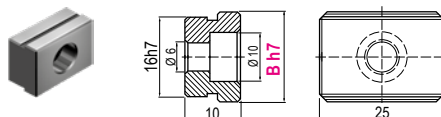
W	128	160
G1	35	50
N1	55	67
I	64	90
P	90	124
Cod.	7.95.0X2000	7.95.0X3000

* Viti per fissaggio a richiesta **€5**
Fixing screws on request **€5**

Tipo (grandezza) / Type (size)	1	2	3
			
			
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

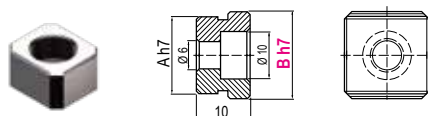
Coppia di tasselli di posizionamento
completi di vite M5 x 10
Pair of positioning key-nuts with
M5 x 10 clamping screw



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

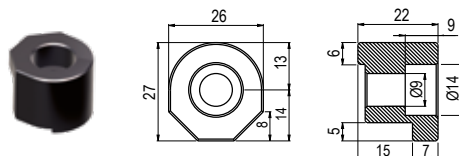


A	10	16
B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	
Cod.	7.65.0G1000	7.65.0G2000

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

Art. 298 / CGR

Staffa per Compact Grip
Compact Grip holding clamp



Cod.	7.29.81000/CGR
------	----------------

RIALZI IN ALLUMINIO PER MORSE COMPACT GRIP ART.650 / 950

ALUMINUM RISERS FOR COMPACT GRIP VISES ART.650 / 950

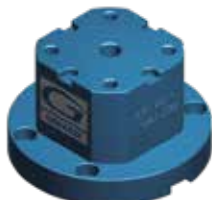
**COMPACT GRIP
NEW!**

Tipo (grandezza) rialzo Riser (type) size		1					
Art. 651H	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
* Kit di fissaggio e allineamento rialzo non incluso Riser fixing and alignment kit not included							

Tipo / Type 1

Rialzo semplice

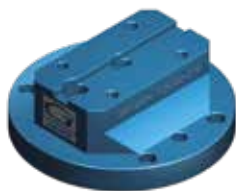
Simple riser



Tipo (grandezza) rialzo Riser (type) size		2							
Art. 651H	A	120			160			200	
	B	90			90			90	
	* C	50	75	100	50	75	100	50	75
	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
	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
* Kit di fissaggio e allineamento rialzo non incluso Riser fixing and alignment kit not included									

Rialzo semplice

Simple riser



Tipo (grandezza) rialzo Riser (type) size		3							
Art. 651H	A	160			210			260	
	B	125			125			125	
	* C	50	75	100	50	75	100	50	75
	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
	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
* Kit di fissaggio e allineamento rialzo non incluso Riser fixing and alignment kit not included									

Tipo / Type 3

Rialzo semplice

Simple riser



RIALZI IN ALLUMINIO per MORSE COMPACT GRIP Art.650 / 950

ALUMINUM RISERS for COMPACT GRIP VISES Art.650 / 950

COMPACT GRIP
NEW!

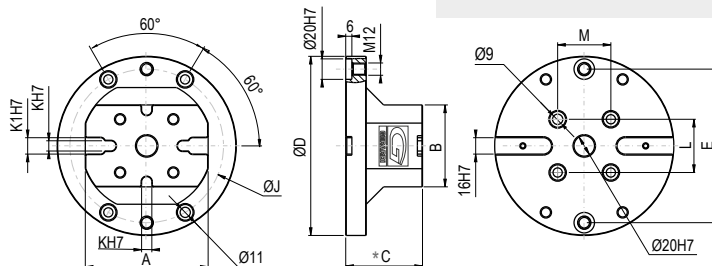
1			
ØA	160		
B	80		
C	50	75	100
D	178		
E	150		
L	52		
M	52		
ØJ	150		
K	10		
K1	16		
kg	2,40	3,15	3,90
Cod.	7.65.1H116 / 50	7.65.1H116 / 75	7.65.1H116 / 100

NEW!

Art. 651H

Tipo / Type **1**

Rialzo semplice
Simple riser



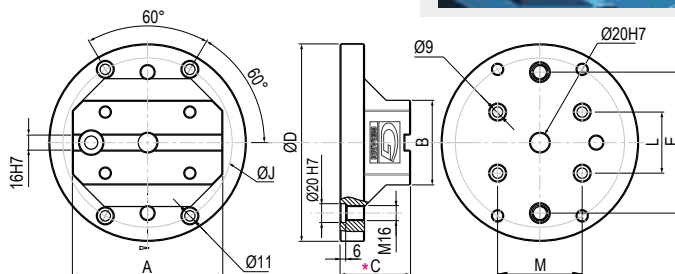
2			
A	240		
B	90		
C	50	75	100
D	249		
E	200		
L	65		
M	150		
ØJ	185		
kg	4,13	5,45	6,75
Cod.	7.65.1H224/50	7.65.1H224/75	7.65.1H224/100

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

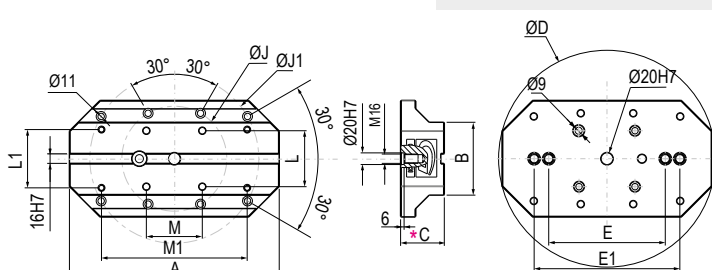


TAVOLA QUICK CHANGE PER MORSE COMPACT GRIP

QUICK CHANGE TABLE FOR COMPACT GRIP VISES

COMPACT GRIP
NEW!

Per Morse Tipo - For Vises Type

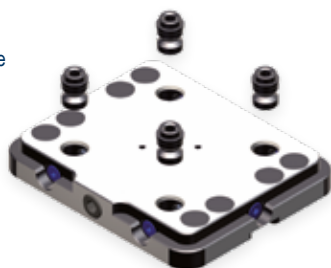
INTERASSE - PITCH

Art. 660

Tavola Quick change rettangolare

Quick change rectangular table

NEW!



Dotazione standard - Standard equipment:

N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B

	1 - 2	3
	52	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

Per Morse Tipo - For Vises Type

INTERASSE - PITCH

Art. 660S*

Tavola Quick change rettangolare lavorabile

Quick change machineable rectangular table

NEW!



Dotazione standard - Standard equipment:

N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B

* Personalizzazione esclusa - Customization not included

	1 - 2	3
	52	96
C	27	27
D	126	156
E	150	190
F	52	96
L	Ø12h7	Ø16h7
L1	M8	M10
kg	-	-
Cod.	9.66.0S520	9.66.0S960

Per Morse Tipo - For Vises Type

INTERASSE - PITCH

Art. 660R

Tavola Quick change rettangolare di riduzione

Quick change rectangular reduction table

NEW!



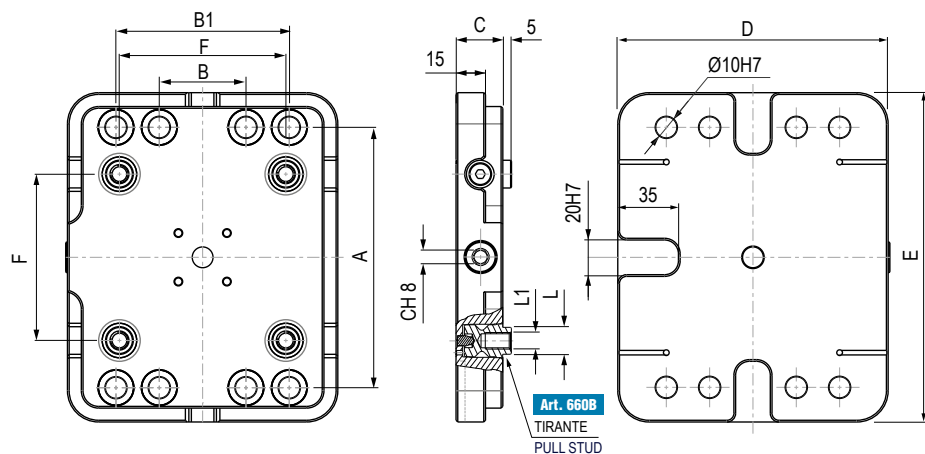
Dotazione standard - Standard equipment:

N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B

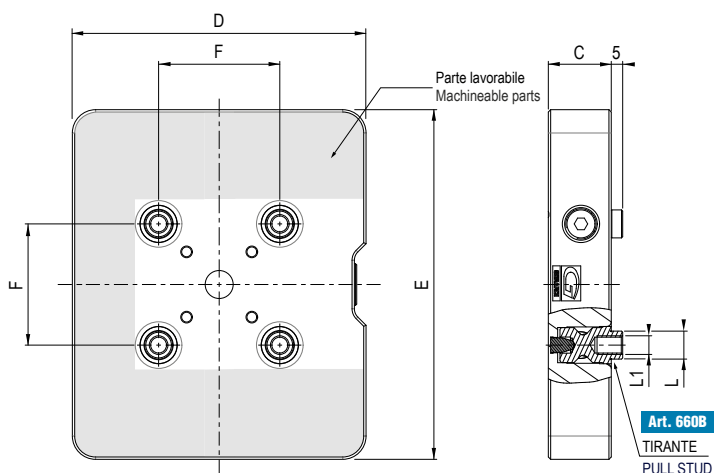
	1 - 2 - 3
	52
B	96
C	27
D	126
E	150
F	52
L	Ø12h7
L1	M8
kg	3,75
Cod.	9.66.0R210

TAVOLA QUICK CHANGE PER MORSE COMPACT GRIP QUICK CHANGE TABLE FOR COMPACT GRIP VICES

Art. 660

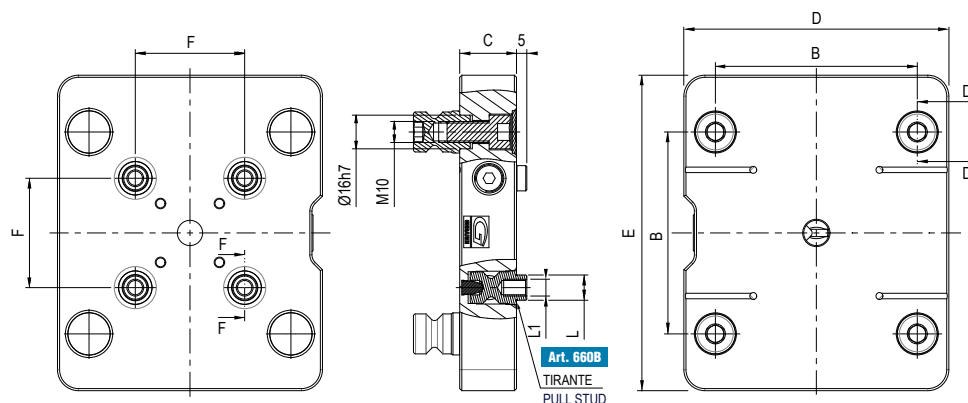


Art. 660S



COMPACT GRIP
NEW!

Art. 660R



COMPACT GRIP
NEW!

COMPACT GRIP
NEW!

Art. 660B

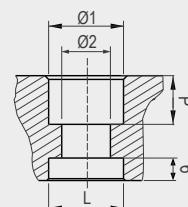
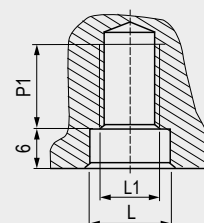
Tiranti per tavola cambio rapido
Quick change table pull studs



Tipo - Type 1



Tipo - Type 2



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



TAVOLA QUICK CHANGE PER MORSE COMPACT GRIP

QUICK CHANGE TABLE FOR COMPACT GRIP VISES

COMPACT GRIP
NEW!

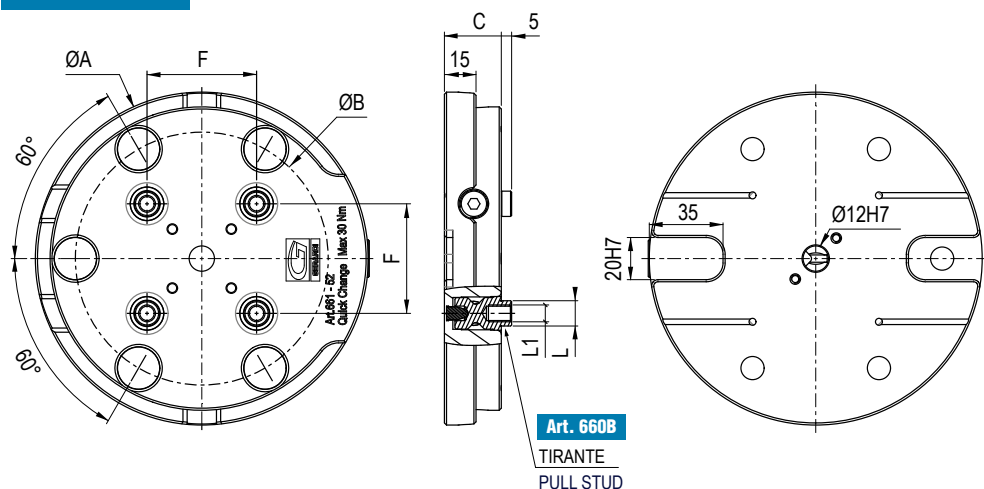
Per Morse Tipo - For Vises Type	1 - 2	3
INTERASSE - PITCH	52	96
Art. 661		
Tavola Quick change tonda		
Quick change rounded table		
NEW!		
		
Dotazione standard - Standard equipment: N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B		
ØA	158	176
ØB	120	150
C	27	27
F	52	96
L	Ø12h7	Ø16h7
L1	M8	M10
kg	3,4	-
Cod.	9.66.15200	9.66.19600

Per Morse Tipo - For Vises Type	1 - 2	3
INTERASSE - PITCH	52	96
Art. 661S*		
Tavola Quick change tonda lavorabile		
Quick change machineable rounded table		
NEW!		
		
Dotazione standard - Standard equipment: N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B		
A	158	196
C	27	27
F	52	96
L	Ø12h7	Ø16h7
L1	M8	M10
kg	3,8	-
Cod.	9.66.1S520	9.66.1S960
* Personalizzazione esclusa - Customization not included		

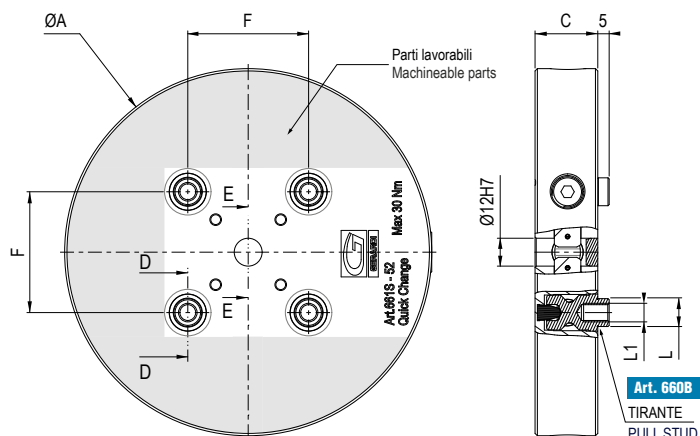
Per Morse Tipo - For Vises Type	1 - 2 - 3
INTERASSE - PITCH	52 - 96
Art. 661R	
Tavola Quick change tonda di riduzione	
Quick change rounded reduction table	
NEW!	
	
Dotazione standard - Standard equipment: N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B	
ØA	158
B	96
C	27
F	52
L	Ø12h7
L1	M8
kg	3,75
Cod.	9.66.1R210

TAVOLA QUICK CHANGE PER MORSE COMPACT GRIP QUICK CHANGE TABLE FOR COMPACT GRIP VICES

Art. 661

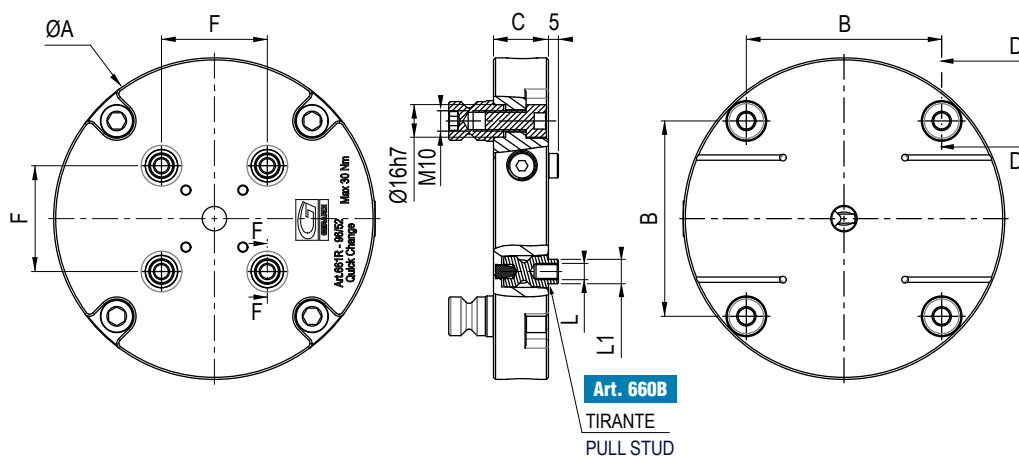


Art. 661S



COMPACT GRIP
NEW!

Art. 661R



COMPACT GRIP
NEW!

COMPACT GRIP
NEW!

Art. 660B

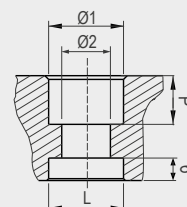
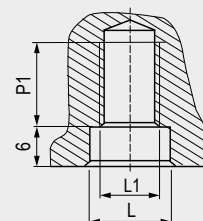
Tiranti per tavola cambio rapido
Quick change table pull studs



Tipo - Type 1



Tipo - Type 2



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



RIALZI PER TAVOLA QUICK CHANGE

RISERS for QUICK CHANGE TABLE

Per Morse Tipo - For Vises Type

INTERASSE - PITCH

1 - 2

52

3

96

Art. 661H

NEW!

Rialzo in alluminio
per tavola cambio rapidoSimple aluminum
riser for quick
change table* Kit di fissaggio e allineamento rialzo
non inclusoRiser fixing and alignment kit **not included**

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

Per Morse Tipo - For Vises Type

INTERASSE - PITCH

1 - 2

52

3

96

Art. 661HQ

NEW!

Rialzo in alluminio
per tavola cambio rapidoSimple aluminum
riser for quick
change table* Kit di fissaggio e allineamento rialzo
non inclusoRiser fixing and alignment kit **not included**

A	116	156		
A1	150	150		
B	50	50		
B1	-	100		
C	60	100	60	100
D	120	160		
E	100	150		
F	52	-		
F1	96	96		
L1	Ø16 H7 / M10	Ø16 H7 / M10		
L2	Ø12 H7 / M8	Ø12 H7 / M8		
L3	Ø12 H7	Ø12 H7		
L4	Ø12 H7 / M10	Ø12 H7 / M10		
kg	-	-		
Cod.	9.66.1HQ10/60	9.66.1HQ10/100	9.66.1HQ20/60	9.66.1HQ20/100

SUPPORTO PIRAMIDALE PER MORSE MULTITASKING & COMPACT GRIP

PYRAMIDAL SUPPORT FOR MULTITASKING & COMPACT GRIP VISES

Tipo (grandezza) / Type (size)

INTERASSE - PITCH

3

45°

MORSE COMPATIBILI

COMPATIBLE VISES

Art. 643H

NEW!

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

ØA	310
ØB	275
ØC	265
D	130,8
D1	22
F	150 (±0,02)
H	109
H1	154
H2	100
kg	13,2
Cod.	7.64.3H310/ 345

Multitasking

Art. 640 - T.1

-

Compact Grip

Art. 650 - T.2x120

Art. 650 - T.2x160

Art. 650 - T.2x200

Art. 950 - T.2x120

Art. 950 - T.2x160

Art. 950 - T.2x200

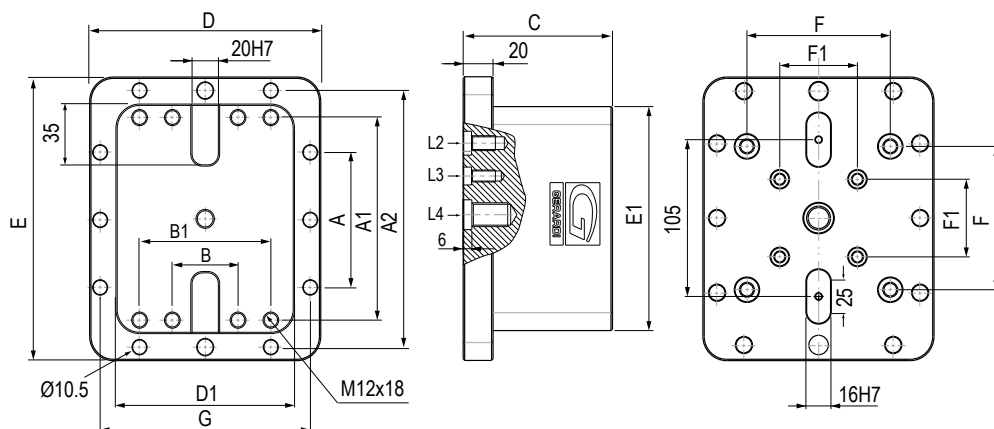
EXTRA Kit di supporto piramidale **NON INCLUSO** - Pyramidal support kit **NOT INCLUDED**

RIALZI PER TAVOLA QUICK CHANGE

RISERS for QUICK CHANGE TABLE

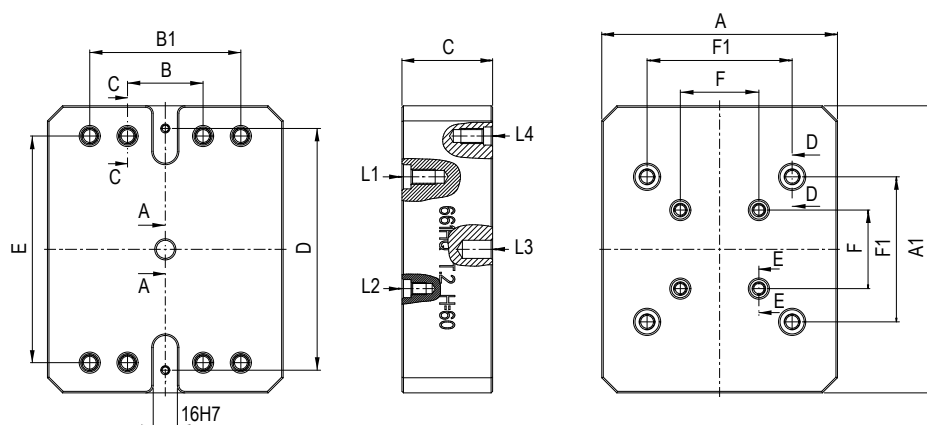
Art. 661H

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



Art. 661HQ

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



COMPACT GRIP
NEW!

Art. 660B

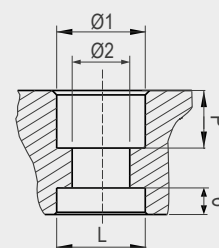
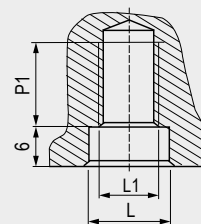
Tiranti per tavola cambio rapido
Quick change table pull studs



Tipo - Type 1



Tipo - Type 2



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

Art. 643H

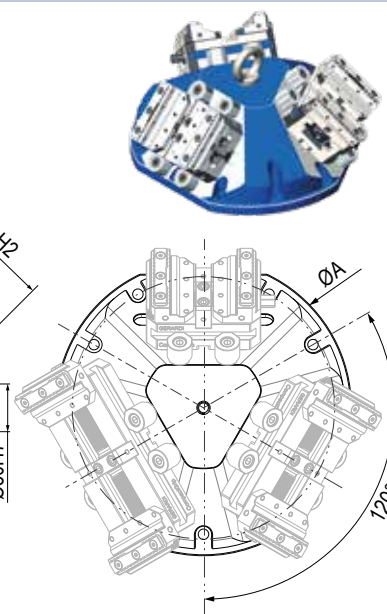
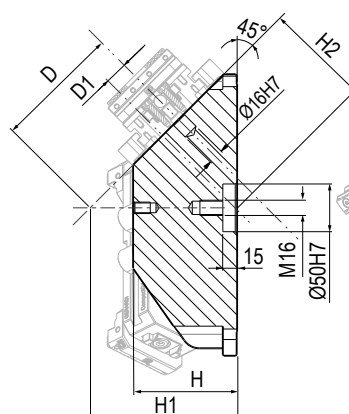
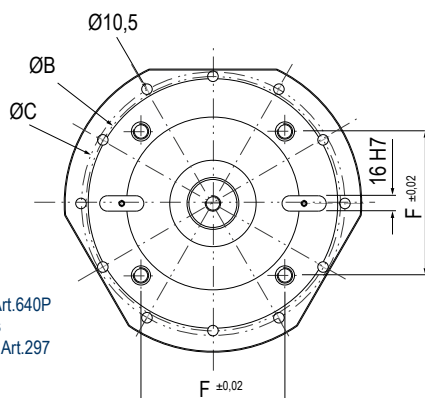
Supporto piramidale in alluminio a tripla posizione
Aluminum pyramidal support with triple positioning

Dotazione standard:

- 1 Golfare
- 2 Staffe di ancoraggio Art.298 CGR con viti M8
- 1 Perno calibrato di centraggio Art.640P
- 2 tasselli di posizionamento Art.297 con vite M5x10

Standard equipment:

- 1 Eyebolt
- 2 Vise holding clamps Art.298 CGR with M8 screws
- 1 calibrated centering pin Art.640P
- Pair of positioning key-nuts with M5 x 10 clamping screw Art.297



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

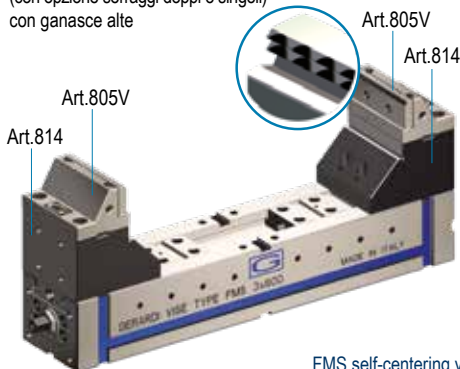
Tipo (grandezza) morsa / Vise (type) size

	1 25 kN		2 25 kN				3 30 kN	
kN								
A	130	230	182	282	382	482	244	344
B	99,5			117			137	
C	70			90			100	
D	232	332	300	400	500	600	400	500
E	249	349	320	420	520	620	425	525
F	169,5			207			237	
G	75			95			125	
H	75			85			98	
L	56			64			84	
J3	76	76		101			132	
J4	55	55		63			82	
X	39,5			47			57	
W	74			94			124	
kg	-			-			-	

Art. 868

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

3 MORSE IN 1
VISES IN 1



FMS self-centering vise
(with double or single
clamping option) with high jaws

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

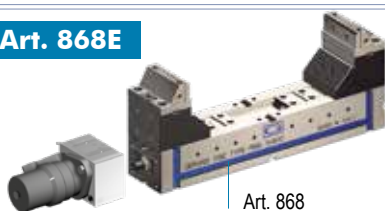

(Art. 868 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

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

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

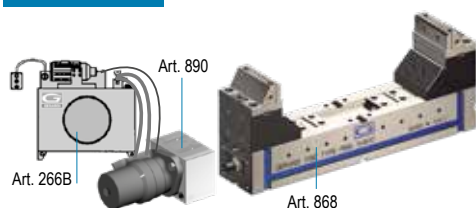
Cod. 5.80.21000 5.80.22000 5.80.23000

Art. 802

Art. 868E


(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

Cod. 5.86.8E120 5.86.8E130 5.86.8E230 5.86.8E240 5.86.8E250 5.86.8E260 5.86.8E340 5.86.8E350

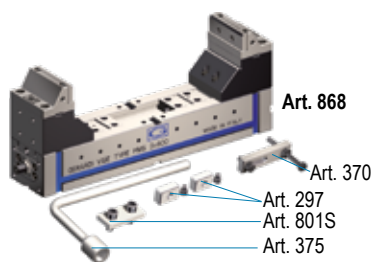
Art. 868F


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

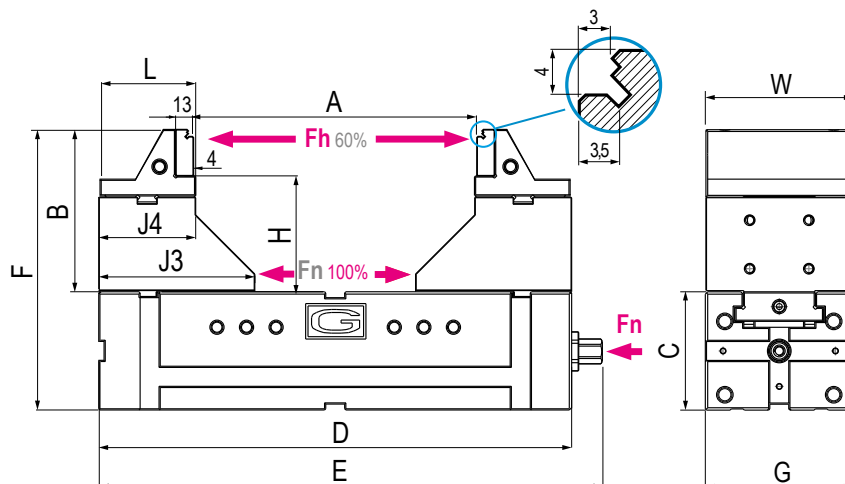
Cod. 5.86.8F120 5.86.8F130 5.86.8F230 5.86.8F240 5.86.8F250 5.86.8F260 5.86.8F340 5.86.8F350

Dotazione standard:

- 1 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento precisi Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art. 801S


Standard equipment:

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



3 30 kN			4 30 kN				5 32 kN			6 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 rinvio angolare - Mechanical with torque multiplier with angular transmission

5.80.23000 5.80.24000 5.80.25000 5.80.26000

Art. 868E

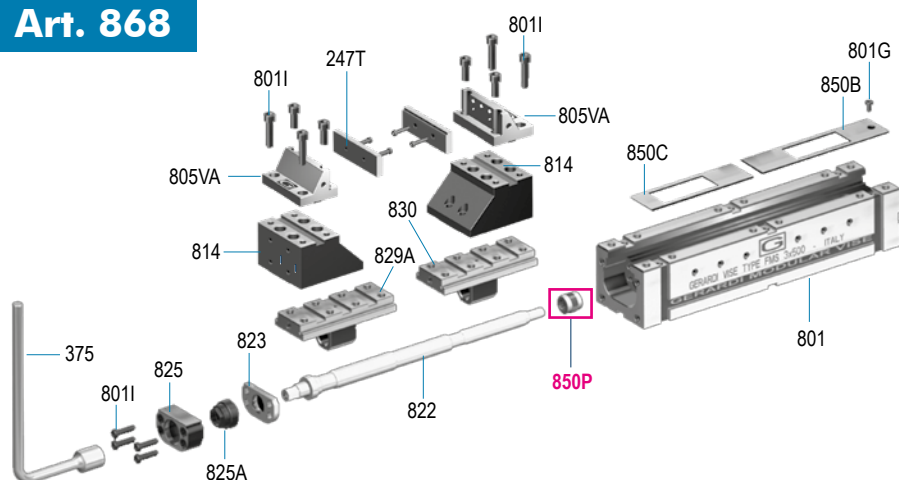
(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

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.	Art.	Pag.
375	4.33	850B	5.61
801	5.46	850C	5.61
801G	5.61	850P	5.61
801I	5.61	814	5.56
810J	5.56	805VA	5.33
822	5.52	247T	5.33
823	5.59	-	-
825	5.59	-	-
825A	5.61	-	-
829A	5.50	-	-
830	5.50	-	-

Tipo (grandezza) morsa / Vise (type) size
kN
1
-
2
5,1
Art. 670PN

Morsa autocentrante **pneumatica**
con ganasce mobili lavorabili

NEW!

Self-centering
pneumatic vise with soft
movable jaws

A	-	6,4
B	-	25
C	-	80
D	-	106
E	-	52
G	-	10
H	-	90
L	-	20
W	-	74
kg	-	6,5

Cod.

7.67.0PN20

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 671A

Ganascia lavorabile
Soft jaw


Cod.

-

7.67.1A200

Art. 671B

Ganascia lavorabile ridotta
Soft narrow jaw


Cod.

-

7.67.1B200

Art. 671C

Ganascia predisposta
per piastre **ganascie standard ridotte**
Jaw for **narrow width standard** jaw plates


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

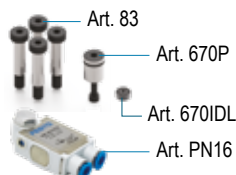

Cod.

-

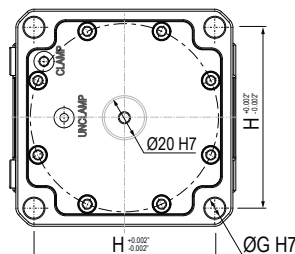
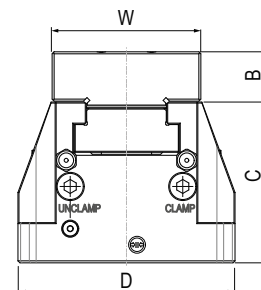
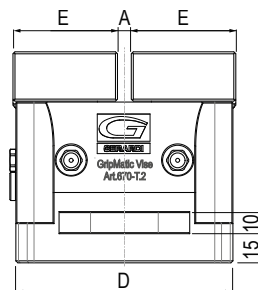
1.24.7G100

Dotazione standard:

- 1 perno di centraggio Art.670P
- N°4 viti calibrate a colletto Art.83
- Adattatore per innesto diretto Art. 670IDL
- Valvola di non ritorno Art. PN16

Art. 670PN

Standard equipment:

- 1 centering pin Art.670P
- N. 4 shoulder screw Art. 83
- Direct input adaptor Art.650IDL
- No return valve Art.PN16


Art. 670PN

USARE STAFFE
USE SIDE CLAMPS

Art.298 Tipo 1 / Type 1

1xM8 / 1xM10 / 1xM16

Tipo (grandezza) morsa / Vise (type) size
kN
1
-
2
5,1
Art. 670ID

Morsa autocentrante **idraulica**
con ganasce
mobili lavorabili

NEW!

Self-centering
hydraulic vise with
soft movable jaws

A	-	6,4
B	-	25
C	-	80
D	-	106
E	-	52
G	-	10
H	-	90
L	-	20
W	-	74
kg	-	6,5

Cod.

7.67.0ID20

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 671A

Ganascia lavorabile
Soft jaw


Cod.

-

7.67.1A200

Art. 671B

Ganascia lavorabile ridotta
Soft narrow jaw


Cod.

-

7.67.1B200

Art. 671C

Ganascia predisposta
per piastre **ganascie standard ridotte**
Jaw for **narrow width standard jaw plates**


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

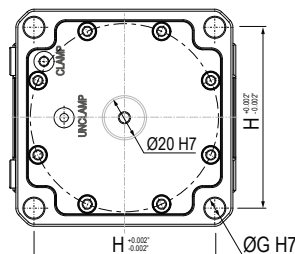
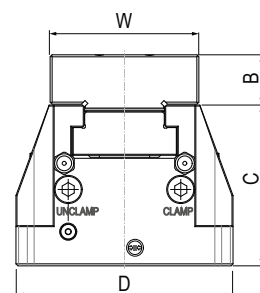
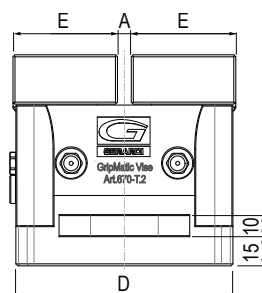
Dotazione standard:

- 1 perno di centraggio Art.640P
- N°4 viti calibrate a colletto Art.83
- Adattatore per innesto diretto Art. 670IDL


Art. 670ID

Standard equipment:

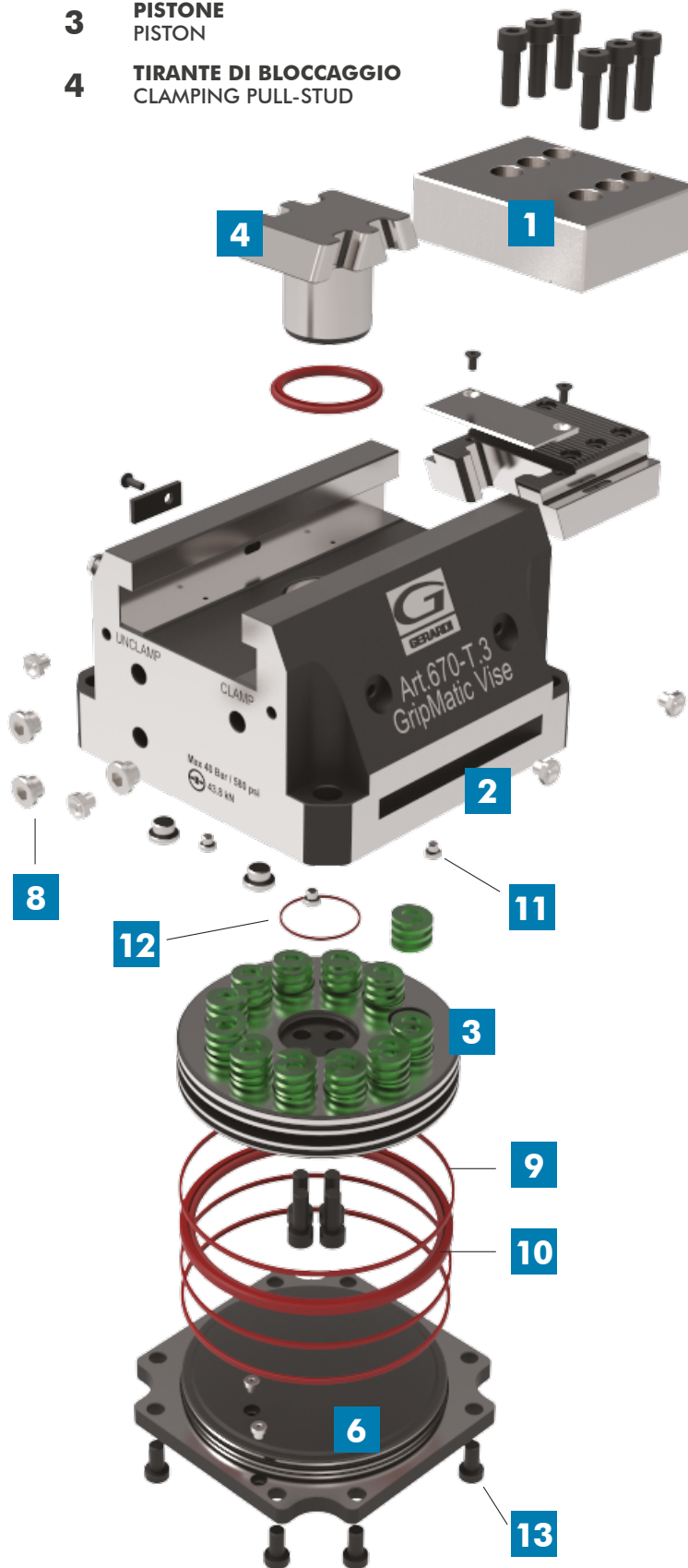
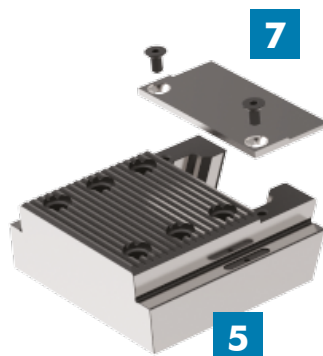
- 1 centering pin Art.640P
- N. 4 shoulder screw Art. 83
- Direct input adaptor Art.650IDL


Art. 670ID
USARE STAFFE
USE SIDE CLAMPS
Art.298 Tipo 1 / Type 1
1xM8 / 1xM10 / 1xM16

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

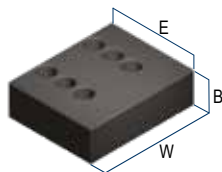
GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.670

JAWS & JAW PLATES FOR MULTITASKING VISES Art.670

NEW!
Tipo (grandezza) / Type (size)

Art. 671A*

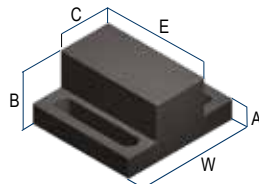
 Ganaschia mobile lavorabile
Soft movable jaw

 Materiale temprabile 20MnCr5
Hardenable material 20MnCr5


W	74	99	124
B	25	30	35
E	49	79	96
Cod.	7.67.1A200	7.67.1A300	7.67.1A400

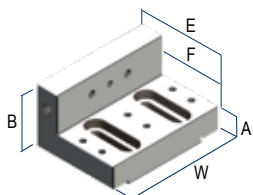
Art. 671B*

 Ganaschia 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

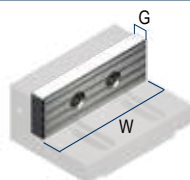
Art. 671C*

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


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

* Viti per fissaggio a richiesta Fixing screws on request

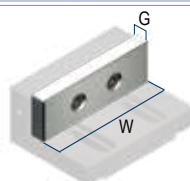
Art. 243*

 Piastra ganaschia 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

* Viti per fissaggio a richiesta Fixing screws on request

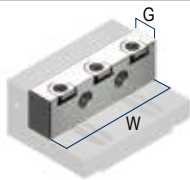
Art. 245*

 Piastra ganaschia 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

* Viti per fissaggio a richiesta Fixing screws on request

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

* Viti per fissaggio a richiesta Fixing screws on request

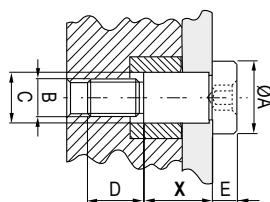
Art. PN16

NEW!

 Valvola direzionale di non ritorno - 1/8" Gas
Unidirectional check valve - 1/8" Gas


Cod.	9.PN.16000
------	------------

Art. 83

 Vite Calibrata a colletto
Shoulder calibrated screw


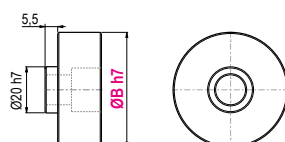
A	16	18	24
B	M8	M10	M12
C	10h7	12h7	16h7
D	15	15	18
E	7	8	11
X	30	40	45
Cod.	8.83.10300	8.83.12400	8.83.16450

Art. 670IDL

 Adattatore per innesto diretto
Direct input adaptor


Cod.	7.67.0IDL20	7.67.0IDL30
------	-------------	-------------

Art. 670P

 Perno di centraggio
Straight pin


ØB	20 - 30 - 38,1 - 50 - 50,8
Cod.	7.67.0P3000

Specificare sempre quota B - Specify always B dimension

SISTEMA A CODA DI RONDINE DOVE TAIL FIXTURES

Art.690

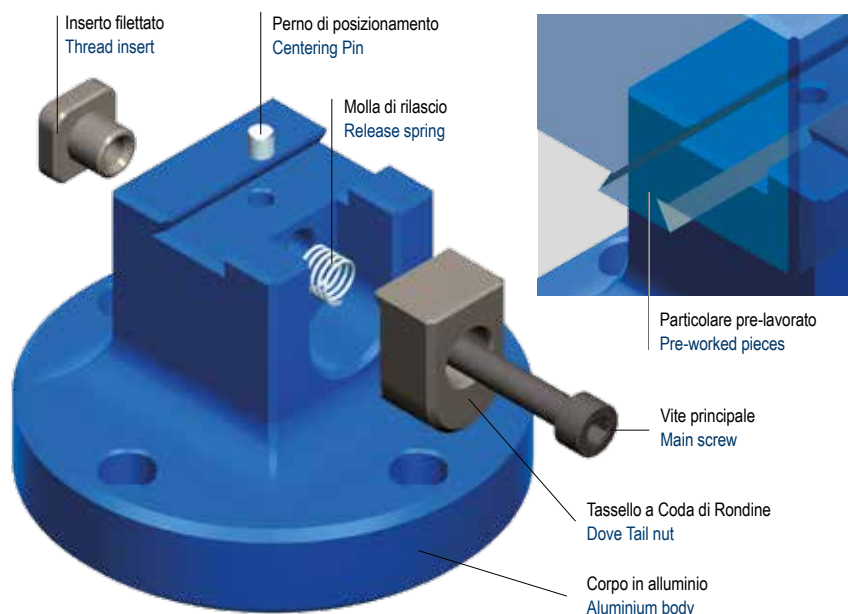
Il sistema a Coda di Rondine è progettato specificamente per le lavorazioni su centri a 5 assi.

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.

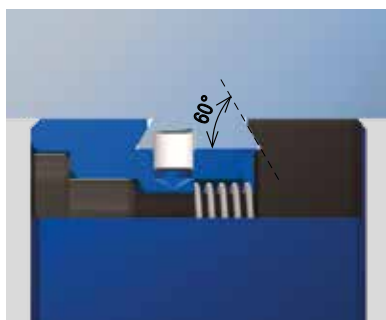
The Dove Tail System is designed specifically for machining on 5 Axis machine centers.

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.



NEW!

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

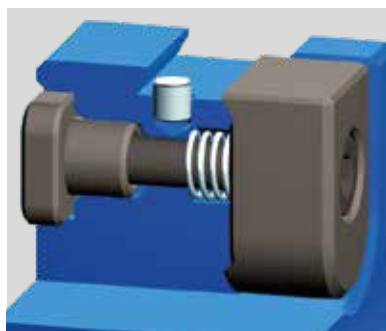


1

PREDISPOSIZIONE CODA DI RONDINE DOVE TAIL SET-UP

Ogni particolare può essere serrato tramite il sistema Coda di Rondine pre-lavorando la faccia inferiore mediante l'apposita fresa, creando una sagoma dell'altezza di 3mm e un angolo di 60°.

Each workpiece can be clamped on the Dove Tail system machining firstly the lower face through the proper milling cutter in order to create a 3mm height shape with a 60° angle.

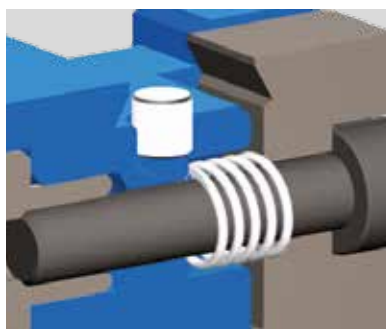


2

PERNO DI POSIZIONAMENTO CENTERING PIN

Il perno di posizionamento del sistema Coda di Rondine ha la funzione di assicurare sempre un rapido e perfetto centraggio del particolare da lavorare garantendo la massima ripetibilità.

The positioning pin of the Dove Tail System is for ensuring always a quickest and perfect workpiece centering which will then guarantee the max repeatability.



3

SERRAGGIO & RILASCIO GRADUALE CLAMPING & GRADUAL RELEASE

Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un'efficace chiusura. La molla all'interno permette un rilascio graduale del tassello di bloccaggio.

The workpiece is clamped through the Dove Tail System which exploiting the leverage created by the main screw ensures a perfect clamping. The internal spring allows a gradual release of the clamping nut.

SISTEMA A CODA DI RONDINE in ALLUMINIO

ALUMINIUM DOVE TAIL FIXTURES

NEW!

Tipo (grandezza) - (type) size (inch)		1	2	3	4	5	6
Grandezza coda di rondine - Dove tail dimension		0,281"	0,375"	0,5"	0,75"	1,5"	2,25"
Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
Art.690							
SINGOLO - SINGLE							
Tipo / Type 3							
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

Tipo (grandezza) - (type) size (inch)		1	2	3	4	5	6
Grandezza coda di rondine - Dove tail dimension		0,281"	0,375"	0,5"	0,75"	1,5"	2,25"
Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
Art.690							
DOPIO - DOUBLE							
Tipo / Type 3							
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

Tipo (grandezza) - (type) size (inch)		1	2	3	4	5	6
Grandezza coda di rondine - Dove tail dimension		0,281"	0,375"	0,5"	0,75"	1,5"	2,25"
Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
Art.690							
MULTIPLO - MULTIPLE							
Tipo / Type 3							
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

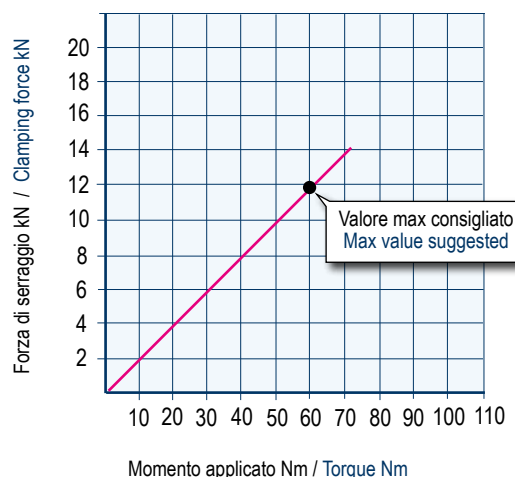
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione della forza applicata

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

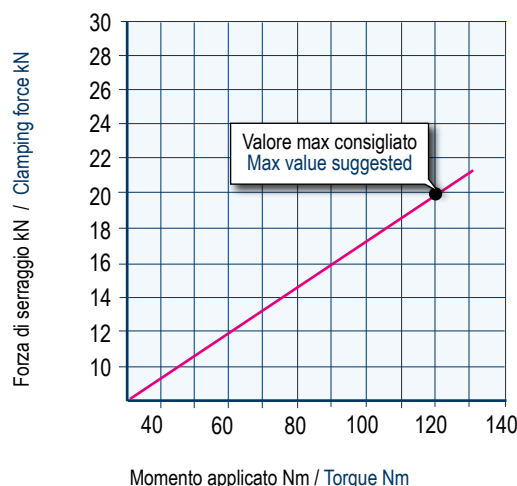
MORSE MULTITASKING TIPO 1 MULTITASKING VISES TYPE 1

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



MORSE MULTITASKING TIPO 2 MULTITASKING VISES TYPE 2

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



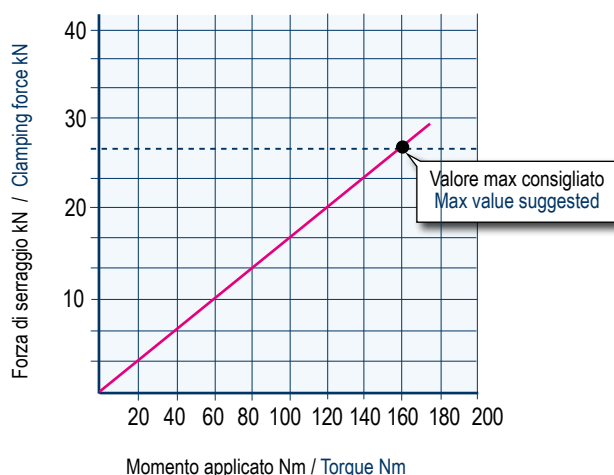
Art. 640

Tipo / Type 1 e 2



MORSE MULTITASKING TIPO 3 MULTITASKING VISES TYPE 3

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



Art. 640

Tipo / Type 3

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a $\pm 10\%$. 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 $\pm 10\%$ range. For optimum operation do not exceed chart values.

DIAGRAMMI CON FORZE DI SERRAGGIO Art.650 / 950 **DIAGRAMS WITH CLAMPING FORCE Art.650 / 950**

COMPACT GRIP
NEW!
GRUPPI DI SERRAGGIO MECCANICI

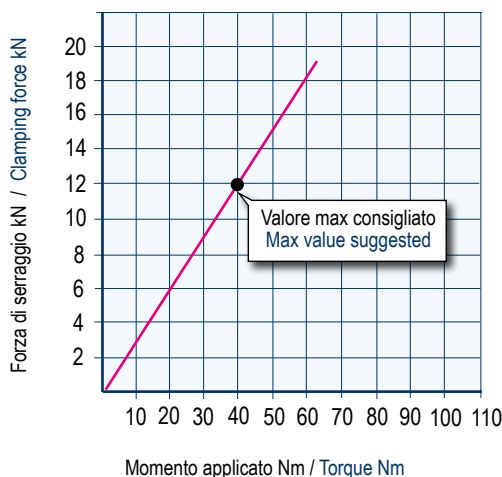
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione della forza applicata

MECHANICAL CLAMPING DEVICES

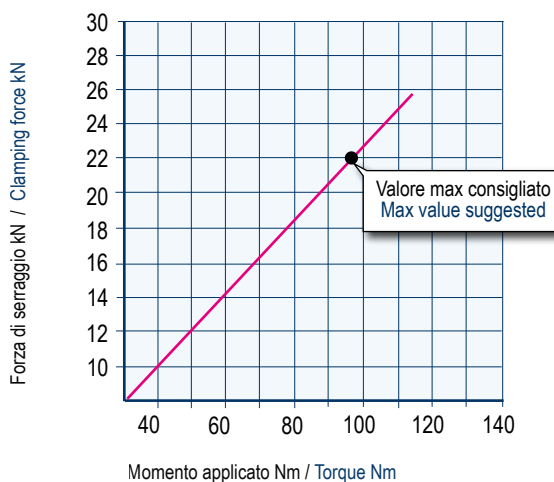
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) as a function of wrenching force

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

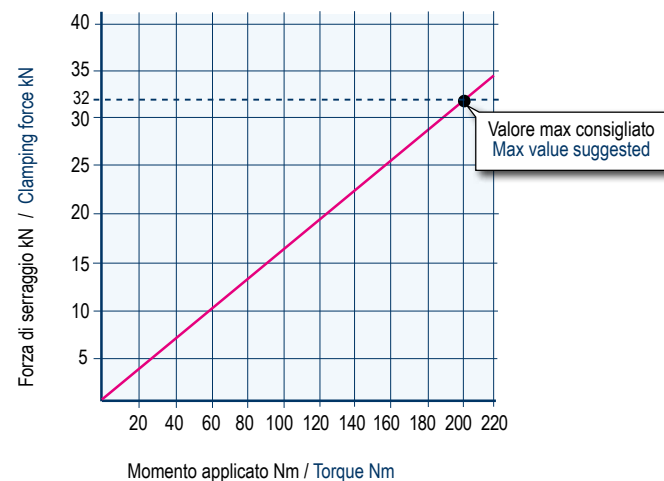
Tipo / Type 1



Tipo / Type 2


MORSE COMPACT GRIP TIPO 3
COMPACT GRIP VISES TYPE 3

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

NEW!

Art. 650

Tipo / Type 3

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a $\pm 10\%$.
 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 $\pm 10\%$ 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)

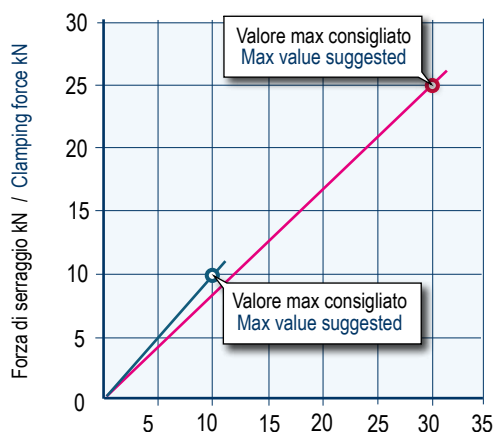
MORSA AUTOCENTRANTE TIPO SELF/CENTERING VISE TYPE

2

Pistone Ø85mm - Superficie utile 51,8mm²

Hydraulic cylinder Ø85mm - Effective surface 51,8mm²

NEW!



Pressione uscita olio - bar / Oil outlet pressure - bar

(1 bar = 14,5 psi)

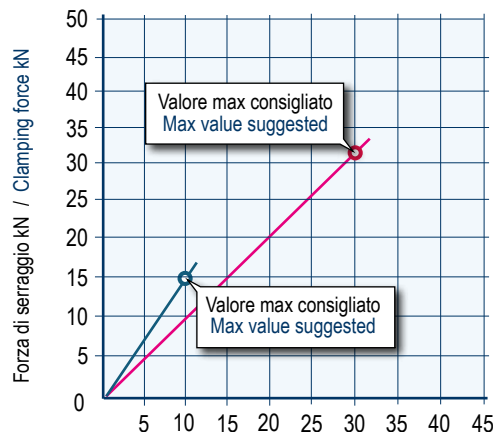
MORSA AUTOCENTRANTE TIPO SELF/CENTERING VISE TYPE

3

Pistone Ø135mm - Superficie utile 132,3mm²

Hydraulic cylinder Ø135mm - Effective surface 132,3mm²

NEW!



Pressione uscita olio - bar / Oil outlet pressure - bar

(1 bar = 14,5 psi)

 Valore massimo consigliato (ARIA)
  Max suggested value (OIL)

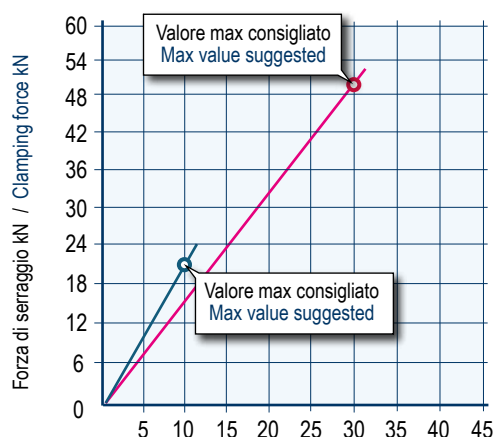
MORSA AUTOCENTRANTE TIPO SELF/CENTERING VISE TYPE

4

Pistone Ø170mm - Superficie utile 209,5mm²

Hydraulic cylinder Ø170mm - Effective surface 209,5mm²

NEW!



Pressione uscita olio - bar / Oil outlet pressure - bar

(1 bar = 14,5 psi)



Art. 670

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.