

*For 5th axis
machining centres!*

MULTITASKING

Morse / Vises

INDICE - INDEX

Art.	7.	pages
62G	17 - 31	
62C	38 - 39	
62iE	38 - 39	
63	24 - 25	
64	24 - 25	
72P	38 - 39	
72CP	39	
79	11 - 15 - 29	
81P	25 - 27	
82P	38 - 39	
83	48	
243	44 - 45 - 48	
245	44 - 45 - 48	
247G	44 - 45 - 48	
296	6	
297	11 - 15 - 29	
297X	29	
298CGR	29	
370EM	29	
375	29	
394GM	47	
395GM	47	
396	47	
398	47	
402/90	47	
403	47	
640	8 - 9	
640A	10 - 14	
640B	10	
640C	10	
640D	10 - 14	
640E	10 - 14	
640J	12 - 13	
640P	11 - 15 - 29	
641	10 - 14	
641H	16 - 17	
642	10	
643	10	
643H	36 - 37	
644	10 - 14	
645B	8 - 11 - 13	
645C	8 - 11 - 13	
645D	8 - 11	
645E	8 - 11	
645F	8 - 11	
645T	8 - 11	
645JD	14	
645JS	14	
646	10 - 14	
647	10	
650	20 - 21	

Art.	7.	pages
650A	24 - 25	
650B	24	
650BM	28	
650C	24	
650CM	28	
650D	24	
650D WC/C	24 - 25	
650E	24 - 25	
650G	29	
650R	26	
650S	26	
650T G01	21 - 26	
650T G02	21 - 26	
650T G11	21 - 26	
650X	21 - 27	
650Y	27	
650V	27	
650U G01	27	
650U G02	27	
650U G11	27	
651H	30 - 31	
655B	12 - 15	
655C	12 - 15	
655D	12 - 15	
655F	12 - 15	
655J	12 - 15	
655JD	14	
655JS	14	
655L	26	
655M	26	
655N	26	
655P	26	
660	32 - 33	
660B	33 - 37	
660R	32 - 33	
660S	32 - 33	
661	34 - 35	
661R	32 - 33	
661S	34 - 35	
661H	36 - 37	
661HQ	36 - 37	
670CP	46	
670AP	46	
670G	44	
670ID	45	
670IDL	48	
643H	36 - 37	
670P	48	
670PN	44	
671A	44 - 45 - 48	
671B	44 - 45 - 48	

Art.	7.	pages
671C	44 - 45 - 48	
690	50 - 51	
690DTF	29 - 51	
690G	51	
802	40 - 41	
868	40 - 41	
868D	40 - 41	
868E	40 - 41	
868F	40 - 41	
950	22 - 23	
950B	22 - 23 - 28	
950C	22 - 23 - 28	
950D	22 - 23 - 28	
950X	28	
986	3	
PN16	48	
ISTR	56	

Art.	7.	pages
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Art.	7.	pages
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VALIGETTA DI CAMPIONATURA COMPACT GRIP

SAMPLE KIT CASE COMPACT GRIP

NEW

Art. 986

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

Cod. 0.98.60000

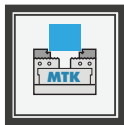
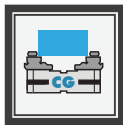
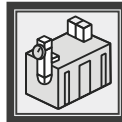
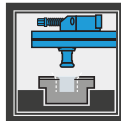
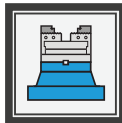
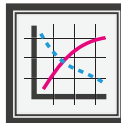
All'Interno - Inside:

 Art. 11A	 Art. 650G G11	 Art. 297
 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		 Morse Multitasking Multitasking vises	 Morse Compact Grip Compact Grip vises	 Morse Compact Grip Art.950 Art.950 Compact Grip vises	 Morse Grip Matic Grip Matic vises	 Sistema a coda di rondine Dove Tail fixtures
INSERTI GRIP INSERT GRIP			 Liscio + Ruvido Smooth + Rough	 Coda di Rondine Dove Tail	 GRIP GRIP	 Frontali Frontal
POSSIBILITÀ POSSIBILITY				 Montaggio con centralina Mounting with power unit	 Lavorazioni a 5 assi 5 axis machining	 Predisposizione Zero Point Zero Point Ready
PAGINE PAGES	 Rialzi Risers	 Sistema Pneumatico Pneumatic system	 Sistema Idraulico Hydraulic system	 Accessori & Ricambi Accessories & Spare Parts	 Istruzioni corretto utilizzo Instruction for a proper use	 Diagrammi forze di serraggio Clamping force diagrams

7

Multitasking & CompactGrip vises

MULTITASKING

Morse autocentranti per applicazioni avanzate su centri a 5 assi

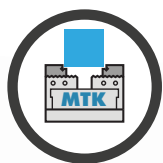
Vises for advanced applications on 5 axis machining centres



Precisione / Accuracy
 $\pm 0,02\text{mm}$



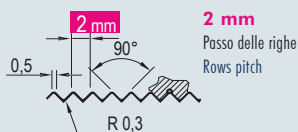
Durezza / Hardened
HRC 58 $\pm$ 2



Multitasking

Le Tonde
 The Rounded

Art. 640



Posizionamento delle ganasce in qualsiasi posizione della dentatura della base.

Possibility the jaws on whatever positioning on the vise base.

Ganasce da 74 a 140 mm. Ancoraggio diretto o tramite staffe / Posizionamento tramite fori calibrati o chiavette / Eccentriche: possibilità di dissassamento centraggio per multipli di 1 mm (Auto-centraggio fuori asse) / Autocentranti con serraggi concentrici dall'esterno all'interno e viceversa / Minimi ingombri e massima rigidità / Costruzione solida e compatta a massima apertura rispetto agli ingombri / Disponibili serie di ganasce intercambiabili / Ganasce integrali per massima rigidità

Jaws 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



Versatilità Ampia Gamma Di Inserti Versatility Ampia Gamma Di Inserti

Inserti riportati utilizzabili da entrambi i lati. Grande versatilità ottenuta attraverso la possibilità di sostituire gli Inserti GRIP con diversi tipi di dentatura in modo facile e veloce (da utilizzare a seconda del materiale da lavorare).

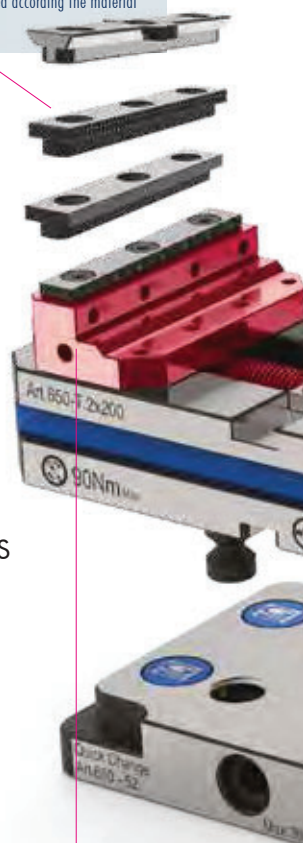
Inserts to be used on both sides Another advantage will be the greatest versatility thanks to easiest and quickest GRIP top jaw inserts exchange with different types of teeth design to be used according the material to be clamped

CARATTERISTICHE & VANTAGGI

- ✓ USURA INESISTENTE
- ✓ RAPIDITA' DEI SERRAGGI
- ✓ MODULARITA' & VERSATILITA'
- ✓ PRECISIONI $\pm 0,02\text{ mm}$
- ✓ RIGIDITA' & SICUREZZA
- ✓ DESIGN COMPATTO E MANEGGEVOLEZZA
- ✓ AUTOCENTRANTI
- ✓ PREDISPOSIZIONE PER ZERO POINT
- ✓ RIALZI COMPATIBILI

TECHNICAL FEATURES & ADVANTAGES

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



Ganasce Reversibili MONOBLOCCO

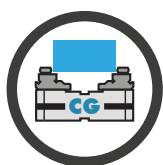
SOLID GUIDED Reversible Jaws

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

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

Di speciale interesse per gli utilizzatori di centri di lavoro a 5 assi, le morse MULTITASKING / COMPACT GRIP presentano le stesse caratteristiche costruttive illustrate per le morse della serie FMS e MULTIFLEX (accuratamente rettificate in acciaio ad alta resistenza cementato trattato termicamente). Nate espressamente per i centri a 5 assi, questa gamma di morse permette di intervenire sulle 5 facce del particolare in lavorazione con riferimenti precisi in spazi contenuti garantendo usure inesistenti e grande rigidità. Massima compatibilità con i sistemi di cambio pallett già esistenti sul mercato

Of special interest to 5 axis machining centres users MULTITASKING, COMPACTGRIP & GRIPMATIC vises present the same building characteristics of FMS and MULTIFLEX vises, (Heat treatment and ground steel contruction throughout). Designed for 5 axis machines, this series of vises allow machining operations on the 5 workpieces sides with perfect alignment in a space saving design, extremenly high wear resistance, with reduced deflection. Max compatibility with the most popular pallet change systems.



CompactGrip

Le più Compatte
The most Compact

Art. 650



Tavola a cambio rapido meccanico
Mechanical quick change table

Art. 660

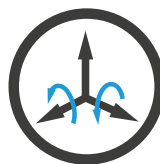
*NON DISPONIBILE PER IL
MERCATO TEDESCO E AUSTRIACO
NOT AVAILABLE FOR
GERMAN & AUSTRIAN MARKET



Compatibilità con 4° asse Compatibility with 4th axis

La nuova Tavolettta a Cambio Rapido Art.660 (disponibile anche tonda Art.661) permette la rapida sostituzione di morse o attrezzature su tutte le più diffuse tavole girevoli, la versione lavorabile può essere personalizzata direttamente dal cliente in base alla sua tavola macchina.

The new Quick Change Sub Plate Art.660 (available also as round Art.661) allows the quick of vises or fixtures replacing on the most famous rotary table. The machineable version can be tailor made by the customer himself according to his machine table.



SCAN IT TO WATCH THE



VIDEO PRESENTATION



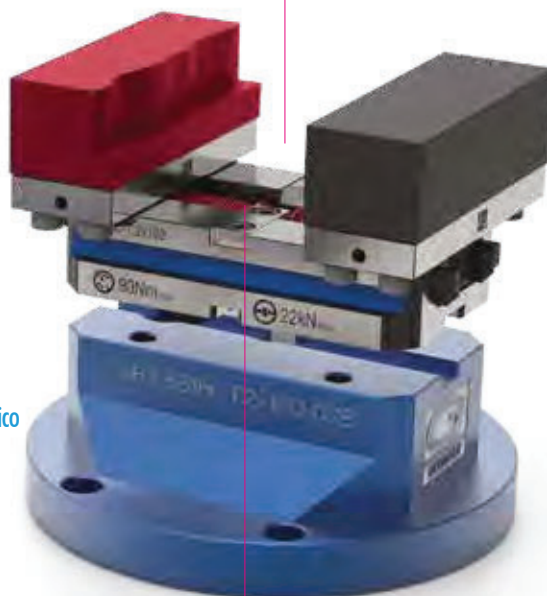
Autocentranti e Compatte Selfcentering & Compact



Autocentranti regolabili Self-centering adjustable

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

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



Con ganasce dolci lavorabili With soft machineable jaws

Art. 950

Rialzo semplice Simple riser

Art. 651H



Maggior forza di serraggio Highest clamping power

Forza di serraggio maggiore rispetto alle morse oggi sul mercato, ma anche rispetto alle nostre morse Art.640 e con un design più compatto e leggero. Questo è possibile grazie alle viti di serraggio, alla loro posizione più prossima al particolare da lavorare e al design integrale di slitte e ganasce.

Much higher clamping power than the existing vises, but also compared to our Art.640 and with a more compact and lighter design. This is because of the clamping screw design, its position much closer to the workpiece, and the integral design of slides and jaws.

Staffe di ancoraggio / Vise holding clamps



CompactGrip

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

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



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

Oppure con codice: 2.29.6100 X=18mm

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

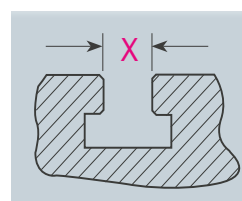
Also with code: **2.29.6100 X=18mm**



Staffaggio Consigliato Suggested fixing

Consigliate 2 coppie di staffe Art.296
per ogni morsa

Suggested 2 pairs of holding clamps Art.296
for each vise

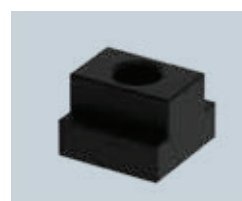


Cava a T

T Slot

Specificare sempre la cava
della vostra macchina

Always specify the
machine T-slot dimension

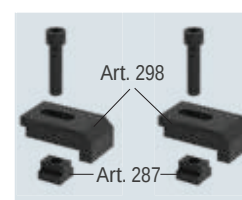


Art.287 (Pag.4.34)

Dadi a T - T Nuts

Per fissaggio morsa alle
cave a T della macchina

For vise clamping on the
machine T-slots



Art.296

(Art.298 + Art.287)

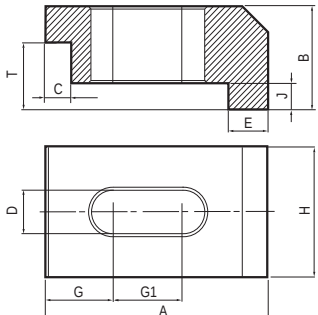
Consigliate 2 coppie di staffe Art.296
per ogni morsa

Suggested 2 pairs of holding clamps
Art.296 for each vise

Art.298/CGR

Per lo staffaggio della morsa in spazi ristretti possibilità di usare staffe Art. 298 / CGR vedi pag. 7.29)
For clamping vise in narrow space it's possible to use the holding clamps Art.298 / CGR see pages 7.29



Tipo (grandezza) morsa Vise type (size)		1 - 2 - 3								
Art. 296 Coppia di staffe Holding clamps pair	Cava a T-slot X	12*	14	16	16	18	20	18*	20	22
	T-nuts Ref. N°	12	13	14	20	21	22	32	33	34
	Filetto vite Screw thread	M10			M12 *			M16		
	A	50			50			50		
	B	24			24			24		
	C	6			6			6		
	Ø D	11			13			17		
	E	10			10			10		
	G	16			17,5			19		
	G1	15			13			9		
	H	34			34			34		
	J	4			4			4		
	T ± 0,1	15			15			15		
	Cod.	2.29.61000 / M10			2.29.61000 / M12			2.29.61000 / M16		
	€	39			39			39		

* Scelta consigliata - Suggested choice

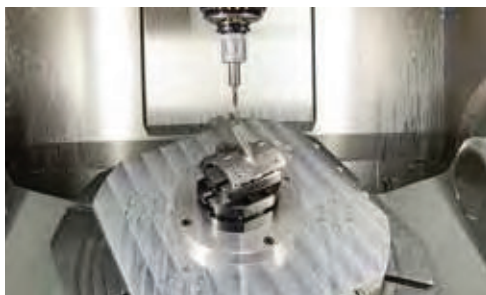
* Scelta NON consigliata - NO Suggested choice

Soluzioni personalizzate / Customized solutions

4th & 5th Axis

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems



Morsa Multitasking su centro a 5 assi

Multitasking vise on 5th axis machining center

Applicazione aeronautica, morsa Art.640 tipo 2 montata su macchina a 5 assi

Typical Multitasking vise Art.640 type 2 application on a 5 axis machine for aerospace workpiece

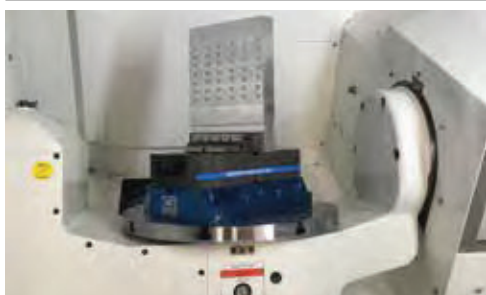


Morsa CompactGrip su centro a 5 assi

CompactGrip vise on 5th axis machining center

Lavorazioni di fresatura effettuate su di un centro di lavoro a cinque assi con morsa CompactGrip Art.650

Milling machining operations on a five axis machining center with CompactGrip vises Art.650



Morsa CompactGrip su rialzo semplice

Compact Grip vise on simple riser

Morsa CompactGrip montata su Kitamura Mytrunnion 4G per la lavorazione di uno stampo nel settore plastica.

Compact Grip vise on Kitamura Mytrunnion-4G for machining a die mould used in the plastic industry



Morse CompactGrip su piastra Zero Point

CompactGrip vises on Zero Point plate

Piastra base con 6 Zero Point singoli per morsa CompactGrip Art.650 T2 per lavorazioni di piccoli particolari

Zero Point plate with 6 single Zero Point units for CompactGrip vises Art.650 T2 for small workpieces machining.



Un sistema completamente automatico

Fully automatic system

Morsa automatica GripMatic Art.670PN montata tramite robot su tavola Zero Point.

GripMatic automatic vises Art.670PN mounted by robot on Zero Point Plate

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

 Tipo / Type **1 e 2**

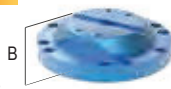
 Morsa autocentrante o eccentrica.
 Azionamento manuale.
 Serraggio meccanico

 Self-centering or eccentric vise.
 Manual operation
 Mechanical clamping

kN	1 16 kN	2 20 kN
A	65	95
A1	20	40
W	74	99
B	15	20
C	50	70
D	Ø120	Ø160
E	35	35
F	92	120
G	20	25
H	156	208
L	M12	M16
M	9	11
kg	4,9	11
Cod.	6.64.01000	6.64.02000

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

 Tipo / Type **1**

 Rialzo Semplice
 Simple Riser


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

Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

Art. 641H

 Tipo / Type **2**

 Rialzo Semplice
 Simple Riser


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

Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

Art. 645B

 Ganascia dolce
 Soft jaw


Cod.	6.64.5B100	6.64.5B200
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Art. 645C

 Ganascia liscia
 Smooth jaw

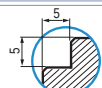

Cod.	6.64.5C100	6.64.5C200
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Art. 645D

 Ganascia zigrinata
 Serrated jaw


Cod.	6.64.5D100	6.64.5D200
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Art. 645E

 Ganascia a gradino
 Step jaw


Cod.	6.64.5E100	6.64.5E200
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In Dotazione - Standard Equipment

Art. 645F

 Ganascia prismatica
 Prismatic jaw


Cod.	6.64.5F100	6.64.5F200
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Art. 645T

 Ganascia GRIP
 GRIP jaw


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

Dotazione standard:

- 1 chiave esagonale Art. 375 ■ 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297
- 1 perno calibrato per centraggio Art. 640P*

*(Indicare dimensione in fase d'ordine)



Standard equipment:

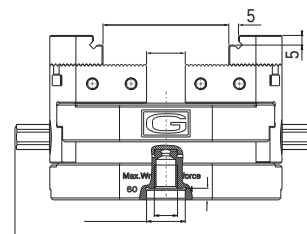
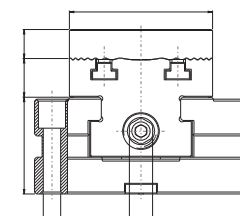
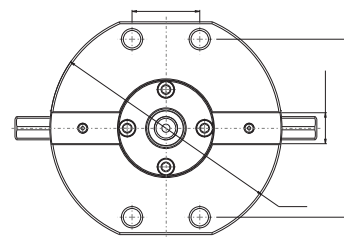
- 1 exagonal wrench Art. 375 ■ 1 workshop Art. 370
- 1 pair of positioning key-nuts Art. 297
- 1 calibrated centering pin Art. 640P*

*(Dimension to be advised at order)

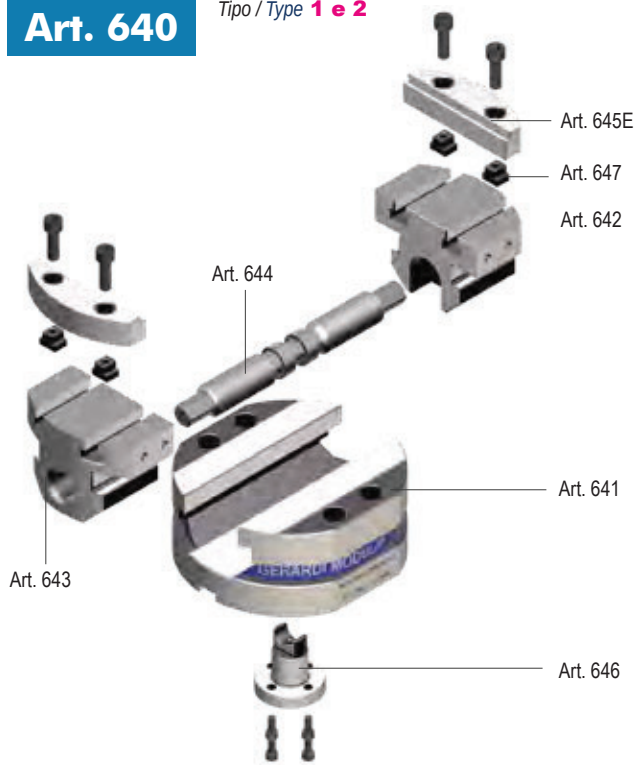
Art. 640

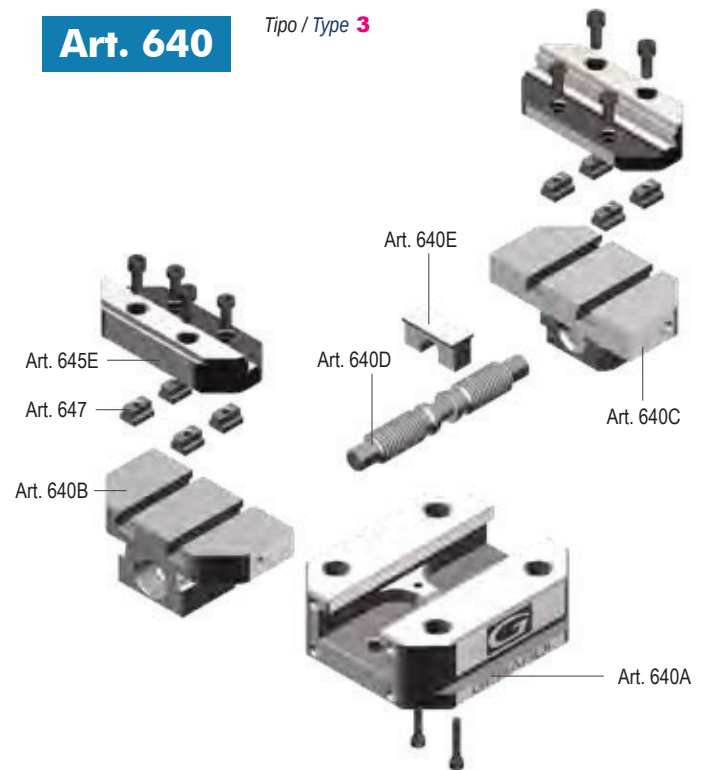
 Tipo / Type **1 e 2**

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

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


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)			
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)			

GANASCE PER MORSE MULTITASKING Art.640 JAWS FOR MULTITASKING VISES Art.640

Tipo (grandezza) / Type (size)		1	2	3
	B	15	20	30
	Y	27,5	32,5	50
	W	74	99	138
Art. 645B* Ganasca dolce Soft jaw		K 20 X 27,5 Cod. 6.64.5B100	30 42,5 6.64.5B200	50 - 7.64.5B300
Art. 645C* Ganasca liscia Smooth jaw		Cod. 6.64.5C100	6.64.5C200	7.64.5C300
Art. 645D* Ganasca zigrinata Serrated jaw		Cod. 6.64.5D100	6.64.5D200	7.64.5D300
Art. 645E* Ganasca a gradino Step jaw In Dotazione Standard Equipment		Cod. 6.64.5E100	6.64.5E200	7.64.5E300
Art. 645F* Ganasca prismatica Prismatic jaw		ØA 7 ÷ 15 ØM 25 ÷ 70 Cod. 6.64.5F100	9 ÷ 20 35 ÷ 110 6.64.5F200	12 ÷ 30 50 ÷ 160 7.64.5F300 163
Art. 645T* Ganasca 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 -	-	10-12-14-16-18-20
		Cod.	-	7.79.20M16/ØB
Art. 297 Coppia di tasselli di posizionamento completi di vite M5 x 10 Pair of positioning key-nuts with M5 x 10 clamping screw		B 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	-	-
		Cod.	2.29.71000/B	-
Art. 640P Perno calibrato per centraggio Calibrated centering pin		ØB 20 - 30 - 38,1 - 50 - 50,8	-	-
		Cod.	7.64.0P100 7.64.0P200 7.64.0P300	-

* Specificare sempre quota B - Specify always B dimension

Tipo (grandezza) morsa / Vise type (size)		1	2
		20 kN	26 kN
Art. 640J Morsa autocentrante o eccentrica. Azionamento manuale. Serraggio meccanico	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



Self-centering or eccentric vise.
Manual operation
Mechanical clamping

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 641H	B	50	75	100
Tipo / Type 1	Cod.	7.64.1H100AL /50	7.64.1H100AL /75	7.64.1H100AL /100
Rialzo Semplice Simple Riser				

Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

Art. 641H	B	50	75	100
Tipo / Type 2	Cod.	7.64.1H200AL /50	7.64.1H200AL /75	7.64.1H200AL /100
Rialzo Semplice Simple Riser				

Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

Art. 655B		
Piastra ganascia dolce Soft jaw-plate	Cod.	7.65.5B100 7.65.5B200

Art. 655C		
Piastra ganascia liscia Smooth jaw-plate	Cod.	7.65.5C100 7.65.5C200

Art. 655D		
Piastra ganascia zigrinata Serrated jaw-plate	Cod.	7.65.5D100 7.65.5D200

Art. 655F		
Piastra ganascia prismatica Prismatic jaw-plate	Ø	10 ÷ 18 10 ÷ 30
	Cod.	7.65.5F118 7.65.5F230
	Ø	15 ÷ 23 * 23 ÷ 30 25 ÷ 45
	Cod.	7.65.5F123 7.65.5F245

* Per Ø 23÷30 ingombro max. (D1) = 132mm Ø (anziché 120mm)
For Ø 23÷30 max overall dimensin (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)



Standard equipment:

- 1 exagonal wrench Art. 375 ■ 1 workstop Art. 370
- 2 pair of plates Art. 655F (Tot. 4 pcs) ■ 1 pair soft jaw plates Art. 655B
- 1 pair of positioning key-nuts Art. 297*
- 1 calibrated centering pin Art. 640P*

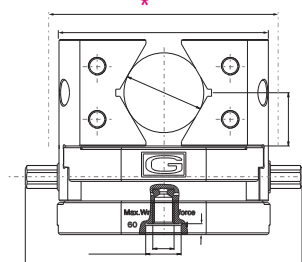
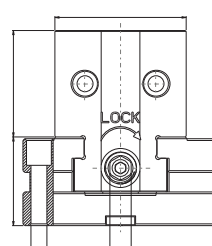
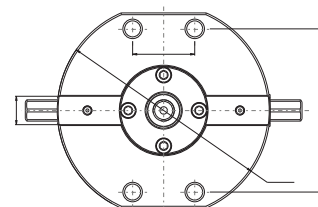
*(Dimension to be advised at order)

Art. 640J Tipo / Type 1 e 2



Esempio di ordine: Art. 640J tipo 2
(Art.297 16mm + Art.640P 30mm)

Example of order: Art. 640J type 2
(Art.297 16mm + Art.640P 30mm)



Tipo (grandezza) morsa
 Vise type (size)

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

Tipo (grandezza) morsa
 Vise type (size)

Art. 640J 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
Ø A		48 ÷ 102
A1		66
W		78
B		95
C		58
D		266
E		200
G		55
kg		22
Cod.	7.64.0J320	

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 641H

Tipo / Type **3 x 166**

Rialzo Semplice
 Simple Riser



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

Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

Art. 641H

Tipo / Type **3 x 266**

Rialzo Semplice
 Simple Riser



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

Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

Art. 655B

Piastra ganasce dolce
 Soft jaw-plate



Cod.	7.65.5B316
------	------------

Art. 655C

Piastra ganasce liscia
 Smooth jaw-plate



Cod.	7.65.5C316
------	------------

Art. 655D

Piastra ganasce zigrinata
 Serrated jaw-plate



Cod.	7.65.5D316
------	------------

Art. 655F

Piastra ganasce 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)



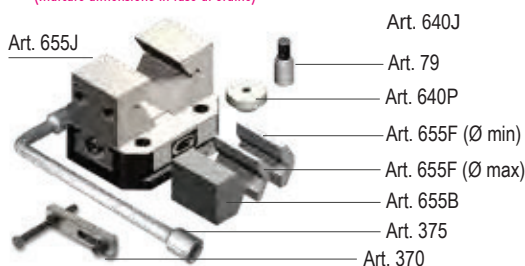
Ø	44 ÷ 68	48 ÷ 102
Cod.	7.65.5J316	7.65.5J326

In Dotazione - Standard Equipment

Dotazione standard:

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

*(Indicare dimensione in fase di ordine)



Standard equipment:

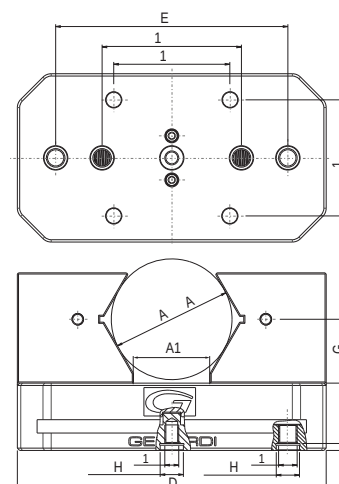
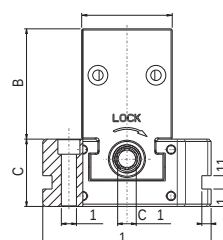
- 1 box wrench Art. 375 ■ 1 workstop Art. 370
- 2 pair of plates Art. 655F (Tot. 4 pcs) ■ 1 pair soft jaw plates Art. 655B
- 1 calibrated centering and orientation pin Art. 79* ■ 1 calibrated centering pin Art. 640P*

*(Dimension to be advised at order)

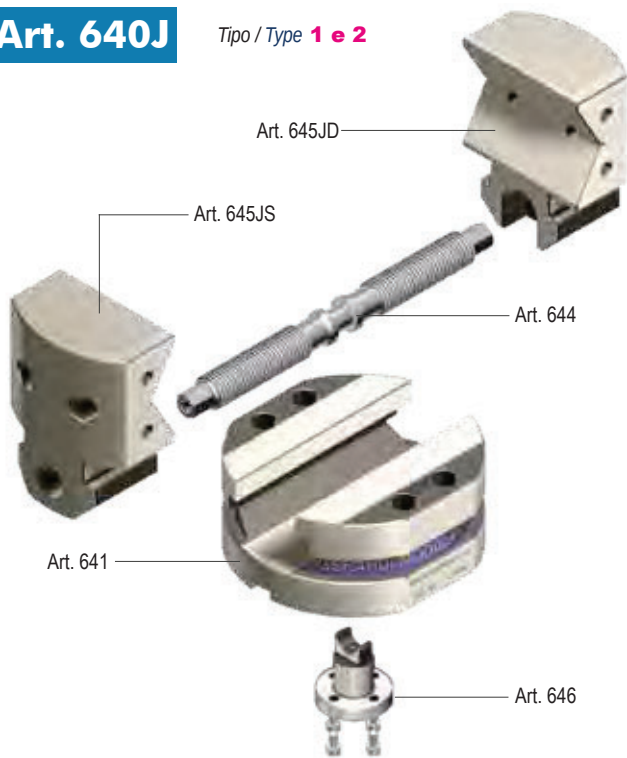
Art. 640J Tipo / Type 3

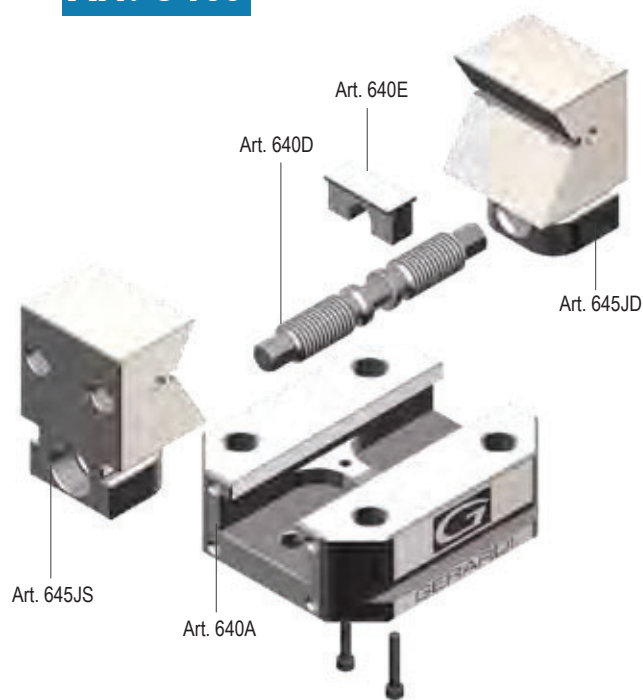


Esempio di ordine: Art. 640J tipo 3 x 266
 (Art. 79 20mm + Art. 640P 30mm)
 Example of order: Art. 640J type 3 x 266
 (Art. 79 20mm + Art. 640P 30mm)



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. 646	Cod. 6.64.61000	6.64.462000
Forcella Yoke		
Art. 645JS*	Cod. 7.64.5JS10	7.64.5JS20
Ganascia integrale prismatica sx Solid prismatic left jaw		
Art. 645JD*	Cod. 7.64.5JD10	7.64.5JD20
Ganascia integrale prismatica dx Solid prismatic right jaw		

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. 645JD*	Cod. 7.64.5JD316	7.64.5JD326
Ganascia integrale prismatica dx Solid prismatic right jaw		
Art. 645JS*	Cod. 7.64.5JS316	7.64.5JS326
Ganascia integrale prismatica sx Solid prismatic left jaw		



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	99	78	78
	K 60	80	75	95
	X 49	59	59	95
	Ø 30 ÷ 45	45 ÷ 70	44 ÷ 68	48 ÷ 102
	Cod. 7.65.5J100	7.65.5J200	7.65.5J316	7.65.5J326

In Dotazione - Standard Equipment

Art. 655J				
Tipo / Type 3				

In Dotazione - Standard Equipment

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

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

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

Tipo (grandezza) / Type (size)	1	2	3x166	3x266
Art. 655F				
Piastra ganascia prismatica Prismatic jaw-plate				
	K 43	54	60	60
	X 17	22	24	24
	Ø 10 ÷ 18	10 ÷ 30	12 ÷ 32	12 ÷ 38
	Cod. 7.65.5F118	7.65.5F230	7.65.5F330	
	Ø 15 ÷ 23 - 23 ÷ 30 *	25 ÷ 45	14 ÷ 34	12 ÷ 38
	Cod. 7.65.5F123	7.65.5F245	7.65.5F335	
	Ø -	-	16 ÷ 36	16 ÷ 58
	Cod. -	-	7.65.5F345	
	Ø -	-	18 ÷ 45	24 ÷ 65
	Cod. -	-	7.65.5F350	

 * Per Ø 23÷30 ingombro max. (D1) = 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 -	-	10-12-14-16-18-20
	Cod. -	-	7.79.20M16/ØB

Art. 297				
Coppia di tasselli di posizionamento completi di vite M5 x 10 Pair of positioning key-nuts with M5 x 10 clamping screw				
	B 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	-	-	
	Cod. 2.29.71000/B	-	-	

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

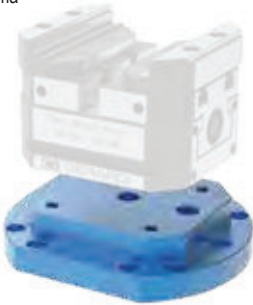
* Specificare sempre quota B - Specify always B dimension

RIALZI IN ALLUMINIO PER MORSE ART.640 **ALUMINUM RISERS FOR VISES ART.640**

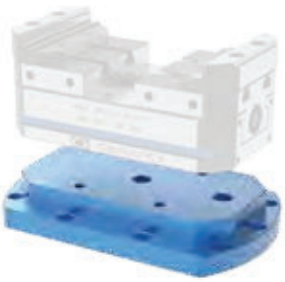
NEW
2021

Tipo (grandezza) rialzo Riser type	1			2		
Art. 641H Tipo / Type 1 e 2	ØA	120			160	
Rialzo semplice, compatibile con il sistema Zero Point	B	50	75	100	50	75 100
	kg	3	4,5	5,4	3,5	4,9 6,4
	Cod.	7.64.1H100AL/050	7.64.1H100AL/075	7.64.1H100AL/100	7.64.1H200AL/050	7.64.1H200AL/075 7.64.1H200AL/100
Simple riser Zero Point ready						

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

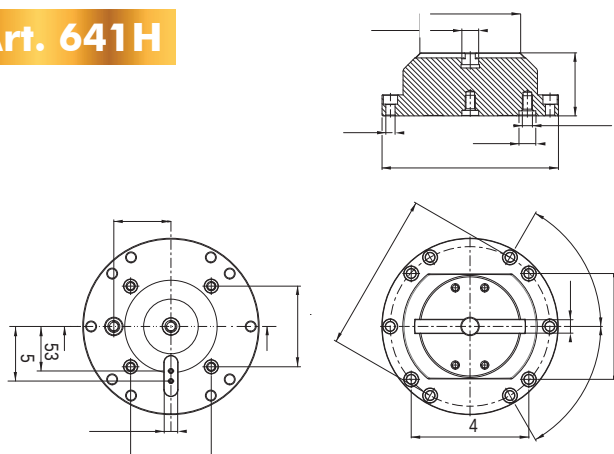
Tipo (grandezza) rialzo / Riser type (size)	3 x 166		
Art. 641H Tipo / Type 3 x 166	A	166	
Rialzo semplice, compatibile con il sistema Zero Point	B	50	75 100
	C	230	
	D	190	
	kg	3,8	5,3 6,8
	Cod.	7.64.1H3166AL/050	7.64.1H3166AL/075 7.64.1H3166AL/100
Simple riser Zero Point ready			

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

Tipo (grandezza) rialzo / Riser type (size)	3 x 266		
Art. 641H Tipo / Type 3 x 266	A	266	
Rialzo semplice, compatibile con il sistema Zero Point	B	50	75 100
	C	310	
	D	286	
	kg	5,8	8,3 10,7
	Cod.	7.64.1H3266AL/050	7.64.1H3266AL/075 7.64.1H3266AL/100
Simple riser Zero Point ready			

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

**NEW
2021**
PIASTRE di INTERFACCIA
INTERFACE PLATES
**NEW
2021**
Tipo (grandezza)
Riser (type) size

1 e 2
Art. 641H

Tipo (grandezza)
Riser (type) size

1 e 2
Art. 62M
Multitasking

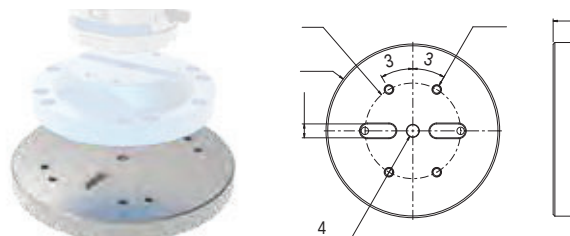
Piastra di interfaccia lavorabile
Machineable interface plate

 $\varnothing J$ 190

C1 28

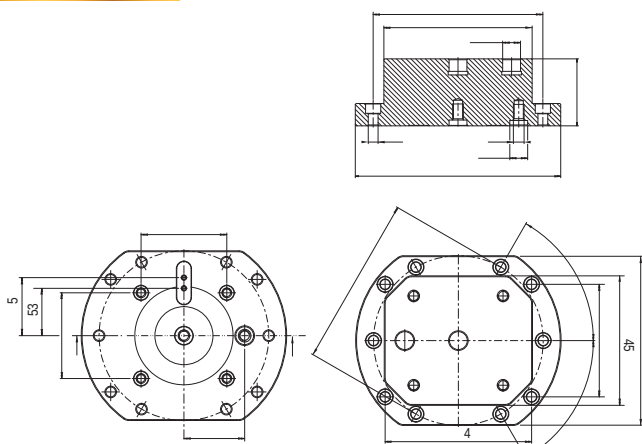
Cod. 7.62.M641H21

Personalizzazione non inclusa - Customization not included



Kit di fissaggio al rialzo incluso / Riser fixing and positioning kit included

Tipo (grandezza)
Riser (type) size

3 x 166
Art. 641H

Tipo (grandezza)
Riser (type) size

3 x 166
Art. 62M
Multitasking

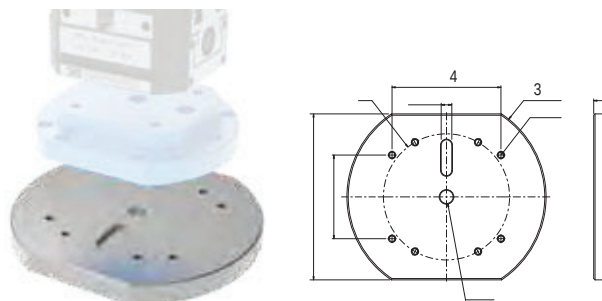
Piastra di interfaccia lavorabile
Machineable interface plate

 $\varnothing J$ 190

C1 28

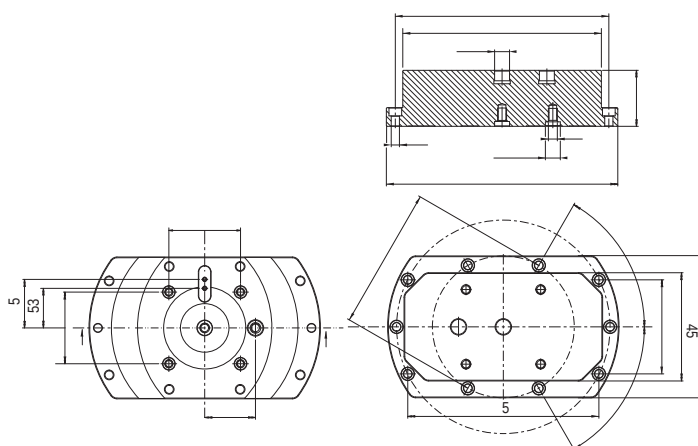
Cod. 7.62.M641H31

Personalizzazione non inclusa - Customization not included



Kit di fissaggio al rialzo incluso / Riser fixing and positioning kit included

Tipo (grandezza)
Riser (type) size

3 x 266
Art. 641H

Tipo (grandezza)
Riser (type) size

3 x 266
Art. 62M
Multitasking

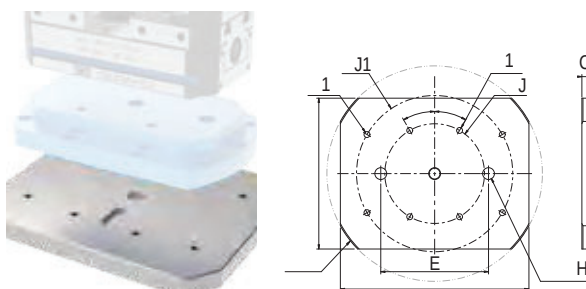
Piastra di interfaccia lavorabile
Machineable interface plate

 $\varnothing J$ 260

C1 28

Cod. 7.62.M641H45

Personalizzazione non inclusa - Customization not included

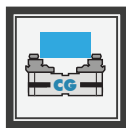


Kit di fissaggio al rialzo incluso / Riser fixing and positioning kit included

MORSE COMPACT GRIP

COMPACT GRIP VISES

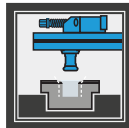
Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



Morse Compact Grip
Compact Grip vises



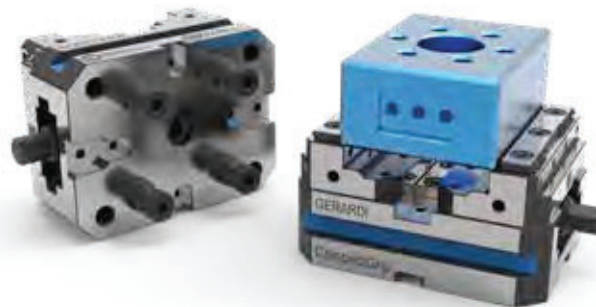
lavorazioni a 5 assi
5 axis machining



Predisposizione
Zero Point
Zero Point ready



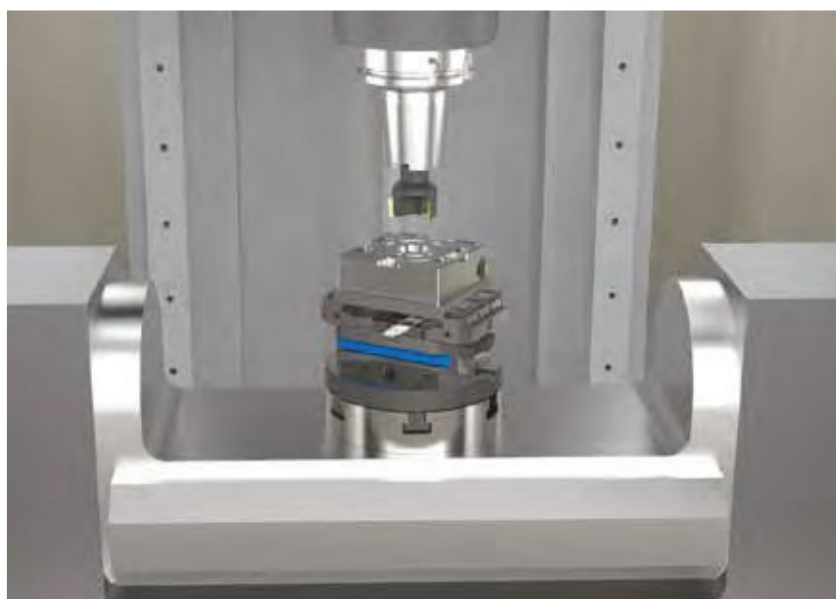
Inserti GRIP
GRIP inserts



Art.650 Compact Grip

La novità assoluta per centri a 5 assi e sistemi multipli sono le morse autocentranti Compact Grip. Il loro nome accosta le principali peculiarità della morsa date dall'estrema compattezza e maneggevolezza al nome del sistema di inserti che adotta, 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.

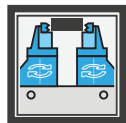


Tramite il gradino liscio della ganascia si rimuove il sovrametallo rimanente e si finisce il particolare.
Then through the smooth jaw step you can remove the remaining stock allowance from the workpiece and finish the workpiece.

MORSE FMS

FMS VISES

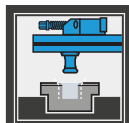
Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



Ganasce alte e rialzate
High and raised jaws



lavorazioni a 5 assi
5 axis machining



Predisposizione
Zero Point
Zero Point ready

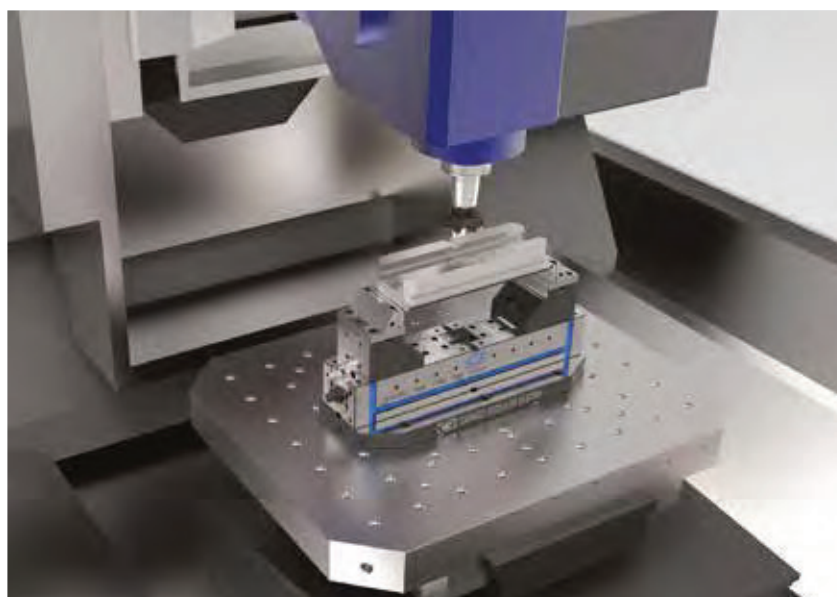
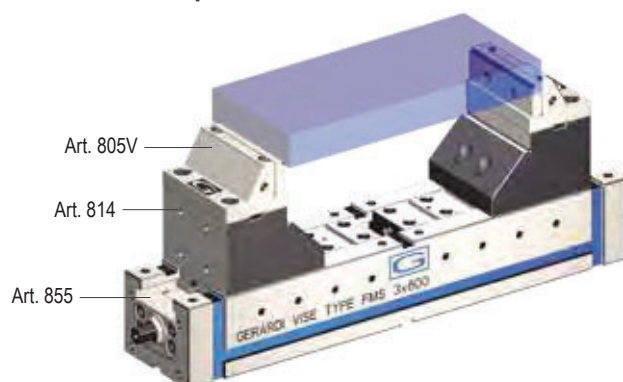
Art.868 FMS series

Grazie all'estrema versatilità del sistema modulare Gerardi anche le morse FMS, adeguatamente riconfigurate, possono rientrare nella 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



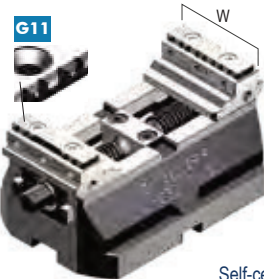
Particolare sollevato tramite base mobile Art.814
Workpiece raised by movable base Art.814



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

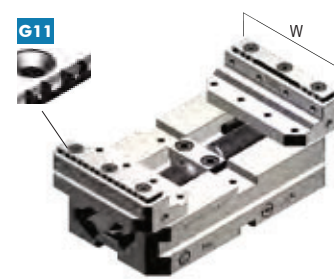
Tipo (grandezza) morsa / Vise type (size)
kN
1
12 kN
2
22 kN
Art. 650
Tipo / Type 1x120

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

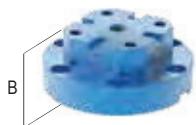


Self-centering vise.
with reversible jaws.
Ideal for five axis centres.

A	54	94	134
W	50	50	50
E	80	120	160
kg	1,9	2,7	3,4
Cod.	7.65.01080	7.65.01120	7.65.01160

Art. 650
Tipo / Type 2x160

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

Rialzo Semplice
Simple Riser



B	100		
Cod.	7.65.1H1080 / 100	7.65.1H1120 / 100	7.65.1H1160 / 100

Art. 651H
Tipo / Type 2

Rialzo Semplice
Simple Riser

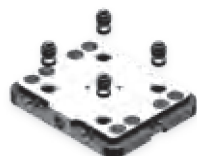


Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

Kit di fissaggio e allineamento morsa incluso

Art. 660
Interasse / Type 52 mm

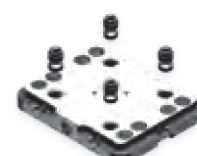
Tavola Quick change
Quick change table



Cod.	9.66.05200
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Art. 660
Interasse / Type 52 mm

Tavola Quick change
Quick change table



Vedi gamma completa - See the complete range Page 7.32 / 7.33

Vedi gamma completa Pag. 7.32 / 7.33

Art. 650X

Ganascia fissa intermedia
Intermedie fixie jaw



Cod.	7.65.0X1000
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Art. 650X

Ganascia fissa intermedia
Intermedie fixie jaw



In fase d'ordine specificare il tipo di inserto, vedi pag. 7.27 / In case of order always specify the type of insert, see page 7.27

Art. 650T G01

Inserto ganascia
Top jaw insert

GRIP (Passo - Pitch 1,5mm)



Cod.	7.65.0T1000/G01
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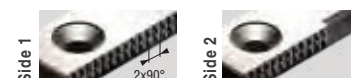

Art. 650T G02

Inserto ganascia
Top jaw insert

GRIP (Passo - Pitch 2mm)



Cod.	7.65.0T1000/G02
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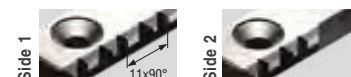

Art. 650T G11

Inserto ganascia
Top jaw insert

GRIP (Passo - Pitch 11mm)



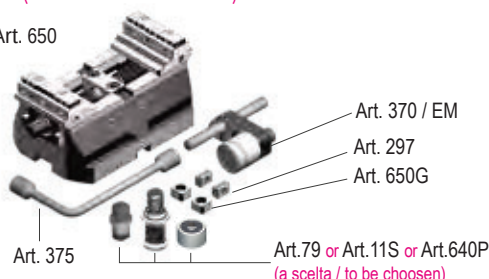
Cod.	7.65.0T1000/G11
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Dotazione standard:

- 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G*
- 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.115 oppure 1 perno calibrato per centraggio Art.640P*
- * (Indicare dimensione in fase di ordine)

Art. 650

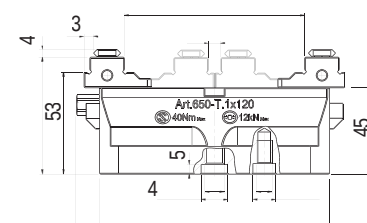
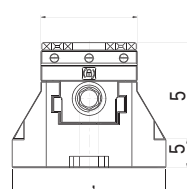
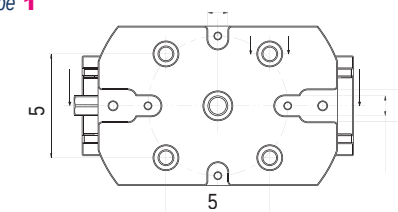


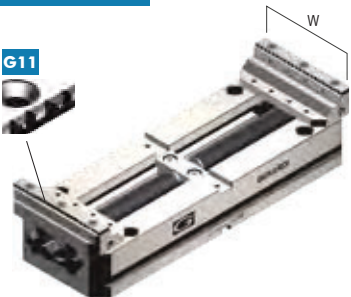
Standard equipment:

- 1 box wrench Art.375 ■ 1 workshop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
- 2 positioning key-nuts Art.650G* ■ 1 calibrated centering and orientation pin Art.79 or 1 pull stud for zero point Art.115 or 1 calibrated centering pin Art.640P*
- * (Dimension to be advised at order)

Art. 650
Tipo / Type 1

Esempio di ordine: Art. 650 tipo 1x80
(Art.650G 16mm + Art.640P 30mm)
Example of order: Art. 650 type 1x80
(Art.650G 16mm + Art.640P 30mm)



2 22 kN					3 32 kN														
kN					Art. 650														
A	96	136	176	216											133	183	233	283	333
W	88	88	88	88											123	123	123	123	123
E	120	160	200	240											160	210	260	310	360
kg	3,6	4,4	5,2	5,8											9,1	10,9	12,8	14,8	17
Cod.	7.65.02120	7.65.02160	7.65.02200	7.65.02240											7.65.03160	7.65.03210	7.65.03260	7.65.03310	7.65.03360

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

B	100						100				
Cod.	7.65.1H2120 / 100	7.65.1H2160 / 100	7.65.1H2200 / 100	7.65.1H2240 / 100			7.65.1H3160 / 100	7.65.1H3210 / 100	7.65.1H3260 / 100	7.65.1H3310 / 100	7.65.1H3360 / 100
Vise fixing and allignement kit included							Kit di fissaggio e allinamento morsa incluso - Vise fixing and allignement kit included				

Art. 660

Cod. 9.66.05200

See the complete range [Page 7.32 / 7.33](#)

Cod.	7.65.0X2000
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In fase d'ordine specificare il tipo di inserto, vedi pag. 7.27 / In case of order always specify the type of insert, see page 7.27

Cod. 7.65.0T2000/G01

Cod. 7.65.0T2000/G02

Cod. 7.65.0T2000/G11

Art. 651H

Tipo / Type 3
Rialzo Semplice
Simple Riser

Kit di fissaggio e allinamento morsa incluso - Vise fixing and allignement kit included

Art. 660

Interasse / Type **96 mm**
Tavola Quick change
Quick change table

Vedi gamma completa - See the complete range [Page 7.32 / 7.33](#)

Art. 650X

Ganascia fissa intermedia
Intermedie fixie jaw

7.65.0X3000

Art. 650T G01

Per materiali di durezza normale
For standard workpieces hardness clamping

7.65.0T3000/G01

Art. 650T G02

Per materiali di notevole durezza
For hardened workpieces clamping

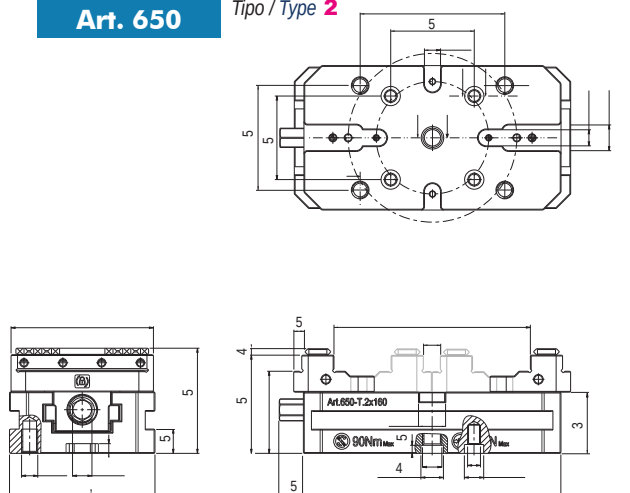
7.65.0T3000/G02

Art. 650T G11

Per materiali teneri
For soft material clamping

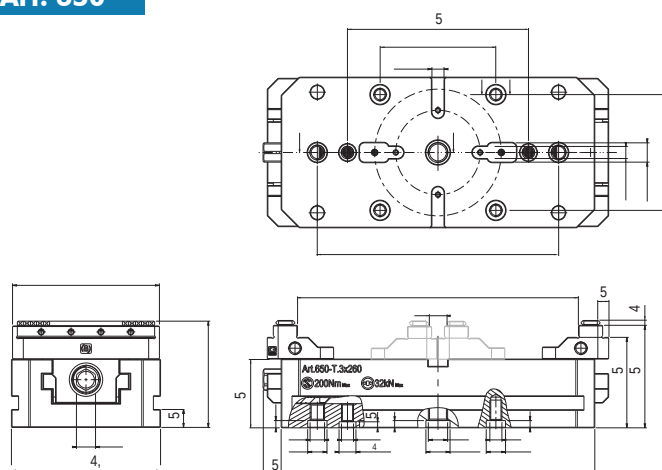
7.65.0T3000/G11

Art. 650

Tipo / Type **2**

Art. 650

Tipo / Type **3**



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

kN
2
22 kN

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

Per morsa T.1 utilizzare ganasce Art.650BM / CM (pag.7.30) / For vise T.1 use jaw Art.650BM / CM (see pag. 7.30)

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 651H

Tipo / Type **2**

Rialzo Semplice
Simple Riser


Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

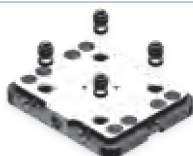
B			100	
Cod.	7.65.1H2120 / 100	7.65.1H2160 / 100	7.65.1H2200 / 100	7.65.1H2240 / 100

Art. 660

Interasse / Type **52 mm**

Tavola Quick change
Quick change table

Vedi gamma completa - See the complete range Page 7.32 / 7.33



Cod.	9.66.05200
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Art. 950B

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

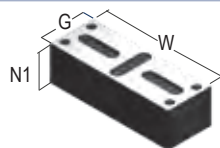

Cod.	7.95.0B2000
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Art. 950C

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


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

Art. 950D

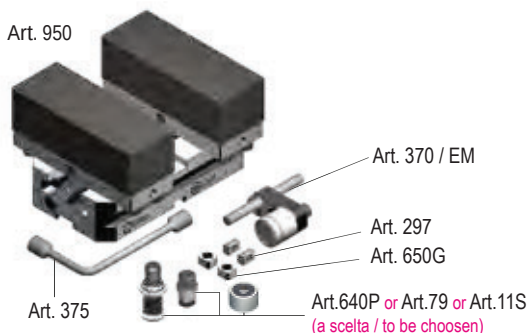
Ganasce lavorabile in acciaio
Machineable steel jaw


Cod.	7.95.0D2000
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Dotazione standard:

■ 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G* ■ 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.11S oppure 1 perno calibrato per centraggio Art.640P*
*(Indicare dimensione in fase di ordine)

Art. 950

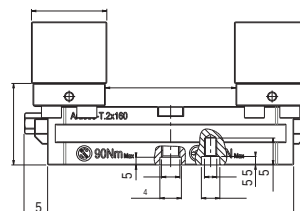
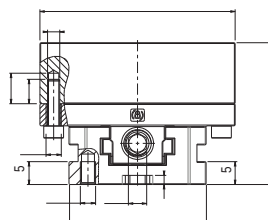
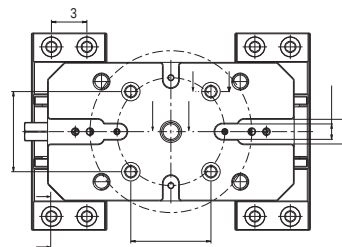


Standard equipment:

■ 1 box wrench Art.375 ■ 1 workstop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297 ■ 2 positioning key-nuts Art.650G* ■ 1 calibrated centering and orientation pin Art.79 or 1 pull stud for zero point Art.11S or 1 calibrated centering pin Art.640P*
*(Dimension to be advised at order)

Art. 950

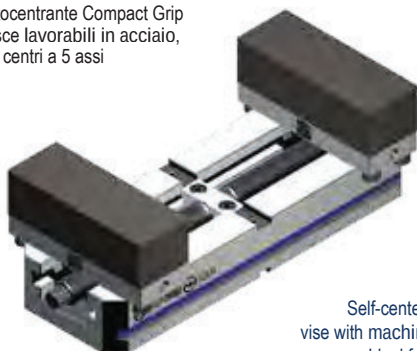
Tipo / Type **2**

Esempio di ordine: Art. 950 tipo 2x120
(Art.650G 16mm + Art.640P 30mm)
Example of order: Art. 950 type 2x120
(Art.650G 16mm + Art.640P 30mm)


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

kN

3
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

Per morsa T.1 utilizzare ganasacia Art.650BM / CM (pag.7.30) / For vise T.1 use jaw Art.650BM / CM (see pag. 7.30)

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !
Art. 651H

Tipo / Type **3**

Rialzo Semplice
Simple Riser


Kit di fissaggio e allineamento morsa incluso - Vise fixing and alignment kit included

B					100
Cod.	7.65.1H3160 / 100	7.65.1H3210 / 100	7.65.1H3260 / 100	7.65.1H3310 / 100	7.65.1H3360 / 100

Art. 660

Interasse / Type **96 mm**

Tavola Quick change
Quick change table

Vedi gamma completa - See the complete range Page 7.32 / 7.33



Cod.	9.66.09600
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Art. 950B

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


Cod.	7.95.0B3000
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Art. 950C

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


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

Art. 950D

Ganasce lavorabile in acciaio
Machineable steel jaw

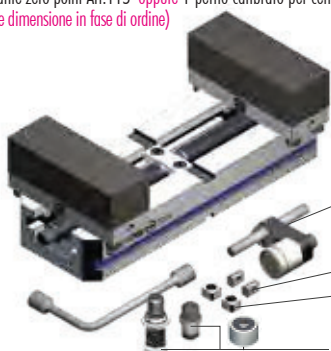

Cod.	7.95.0D3000
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Dotazione standard:

- 1 chiave a pipa Art.375
- 1 arresto laterale Art.370EM
- 1 coppia di tasselli per regolazione autocentrante Art. 297
- 2 tasselli di posizionamento Art.650G
- 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.11S oppure 1 perno calibrato per centraggio Art.640P

* (Indicare dimensione in fase di ordine)

Art. 950



Art. 370 / EM

Art. 297

Art. 650G

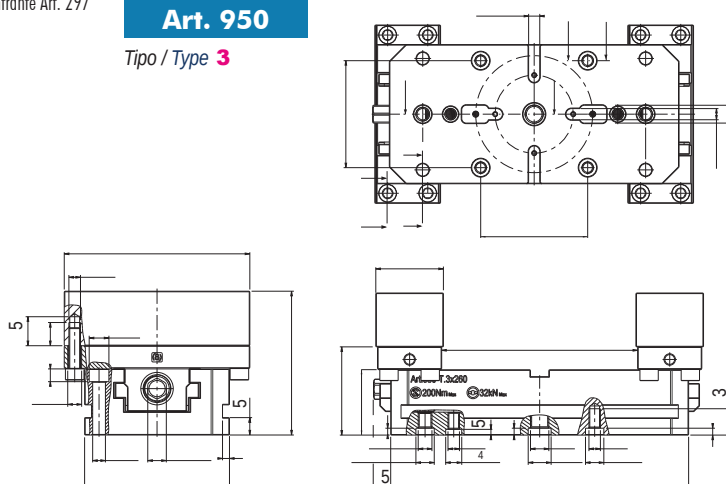
Art.640P or Art.79 or Art.11S
(a scelta / to be chosen)

Standard equipment:

- 1 box wrench Art.375
- 1 workshop Art.370EM
- 1 pair of self-centring key-nuts Art. 297
- 2 positioning key-nuts Art.650G
- 1 calibrated centering and orientation pin Art.79 or 1 pull stud for zero point Art.11S or 1 calibrated centering pin Art.640P

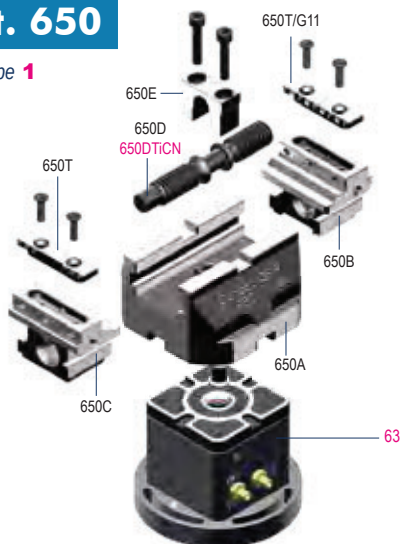
* (Dimension to be advised at order)

Art. 950

Tipo / Type **3**


Art. 650

Tipo / Type 1

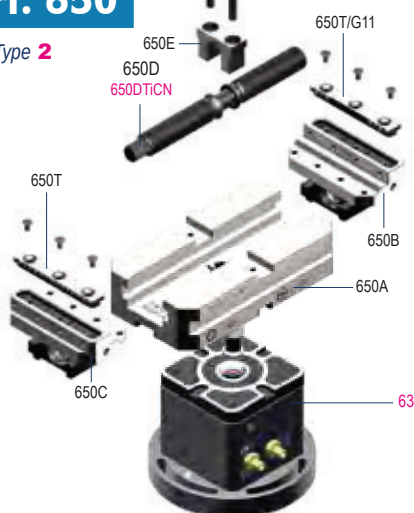


Tipo / Type 1		1x80	1x120	1x160
Art. 650A	Cod.	7.65.0A1080	7.65.0A1120	7.65.0A1160
Corpo base - Base body				
Art. 650B	Cod.		7.65.0B1000	
Ganascia integrale destra Solid jaw right hand				
Art. 650C	Cod.		7.65.0C1000	
Ganascia integrale sinistra Solid jaw left hand				
Art. 650D	Cod.	7.65.0D1080	7.65.0D1120	7.65.0D1160
Vite di bloccaggio - Main screw				
Art. 650D TiCN (Optional)	Cod.	7.65.0D1080-TiCN	7.65.0D1120-TiCN	7.65.0D1160-TiCN
Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN				
Art. 650E	Cod.		7.65.0E1000	
Forcella - Yoke				

Tipo / Type		1	2
Art. 63 (Optional)	Cod.	9.63.10000	9.63.20000
Rialzo singolo con Zero Point Risers with ZeroPoint			

Art. 650

Tipo / Type 2

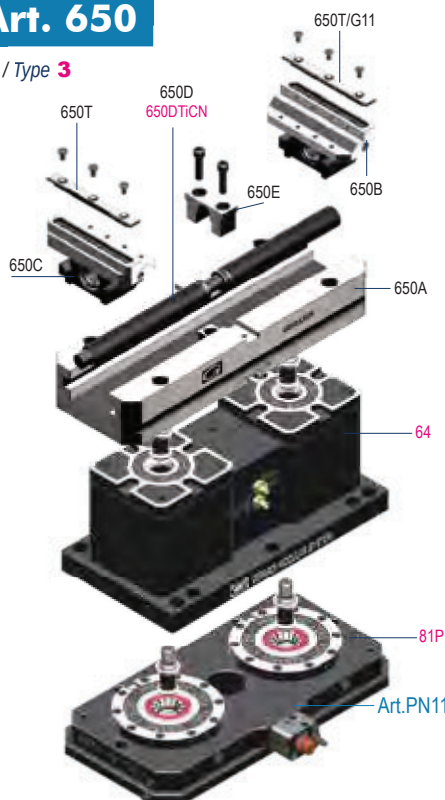


Tipo / Type 2		2x120	2x160	2x200	2x240
Art. 650A	Cod.	7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Corpo base - Base body					
Art. 650B	Cod.		7.65.0B2000		
Ganascia integrale destra Solid jaw right hand					
Art. 650C	Cod.		7.65.0C2000		
Ganascia integrale sinistra Solid jaw left hand					
Art. 650D	Cod.	7.65.0D2120	7.65.0D2160	7.65.0D2200	7.65.0D2240
Vite di bloccaggio - Main screw					
Art. 650D TiCN (Optional)	Cod.	7.65.0D2120-TiCN	7.65.0D2160-TiCN	7.65.0D2200-TiCN	7.65.0D2240-TiCN
Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN					
Art. 650E	Cod.		7.65.0E2000		
Forcella - Yoke					

Tipo / Type		1	2
Art. 63 (Optional)	Cod.	9.63.10000	9.63.20000
Rialzo singolo con Zero Point Risers with ZeroPoint			

Art. 650

Tipo / Type 3



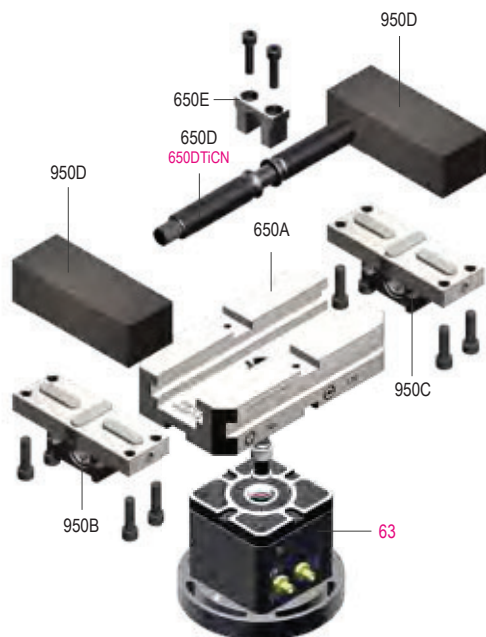
Tipo / Type 3		3x160	3x210	3x260	3x310	3x360
Art. 650A	Cod.	7.65.0A3160	7.65.0A3210	7.65.0A3260	7.65.0A3310	7.65.0A3360
Corpo base - Base body						
Art. 650B	Cod.		7.65.0B3000			
Ganascia integrale destra Solid jaw right hand						
Art. 650C	Cod.		7.65.0C3000			
Ganascia integrale sinistra Solid jaw 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 TiCN (Optional)	Cod.	7.65.0D3160-TiCN	7.65.0D3210-TiCN	7.65.0D3260-TiCN	7.65.0D3310-TiCN	7.65.0D3360-TiCN
Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN						
Art. 650E	Cod.		7.65.0E3000			
Forcella - Yoke						

Tipo / Type		1	2
Art. 64 (Optional)	Cod.	9.64.10000	9.64.20000
Rialzo doppio con Zero Point Double riser with Zero Point			
Non utilizzabile con morse tipo 3x160 - Impossible to use with vises type 3x160			

Piastra ZeroPoint, montaggio incassato - ZeroPoint Plates, built-in mounting

Art. 81P (Optional)		Acciaio Steel	Alluminio Aluminum
Piastra di interfaccia Zero Point per morse CompactGrip tipo 3			
Zero Point connecting plate for CompactGrip vise Type 3	Cod.	9.81.P2040S2	9.81.P2040A2

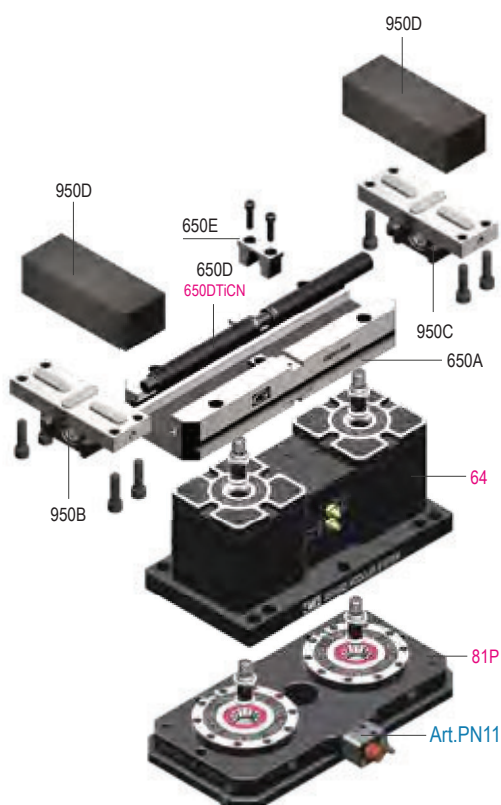
Art. 950

Tipo / Type **2**


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

Tipo / Type	1	2
Art. 63 (Optional) Rialzo singolo con Zero Point Risers with ZeroPoint	Cod. 9.63.10000	9.63.20000

Art. 950

Tipo / Type **3**


Tipo / Type 3	3x160	3x210	3x260	3x310	3x360
Art. 650A Corpo base - Base body	Cod. 7.65.0A3160	7.65.0A3210	7.65.0A3260	7.65.0A3310	7.65.0A3360
Art. 950B Ganascia integrale destra Solid jaw right hand	Cod. 7.95.0B3000				
Art. 950C Ganascia integrale sinistra Solid jaw left hand	Cod. 7.95.0C3000				
Art. 650D Vite di bloccaggio - Main screw	Cod. 7.65.0D3160	7.65.0D3210	7.65.0D3260	7.65.0D3310	7.65.0D3360
Art.650DTiCN (Optional) Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	Cod. 7.65.0D3160 -TCN	7.65.0D3210 -TCN	7.65.0D3260 -TCN	7.65.0D3310 -TCN	7.65.0D3360 -TCN
Art. 650E Forcella - Yoke	Cod. 7.65.0E3000				
Art. 950D Ganascia lavorabile in acciaio Machineable steel jaw	Cod. 7.95.0D3000				

Tipo / Type	1	2
Art. 64 (Optional) Rialzo doppio con Zero Point Double riser with Zero Point	Cod. 9.64.10000	9.64.20000

Non utilizzabile con morse tipo 3x160 - Impossible to use with vises type 3x160

Piastra ZeroPoint, montaggio incassato - ZeroPoint Plates, built-in mounting		
Art. 81P (Optional) Piastra di interfaccia Zero Point per morse CompactGrip tipo 3 Zero Point connecting plate for CompactGrip vise Type 3	Acciaio Steel	Alluminio Aluminum
Cod.	9.81.P2040S2	9.81.P2040A2

Non utilizzabile con morse tipo 3x160 / 3x210 - Impossible to use with vises type 3x160 / 3x210

GANASCE E INSERTI GANASCE PER MORSE COMPACT GRIP Art.650

JAWS & INSERT JAWS FOR COMPACT GRIP VISES Art.650

Tipo (grandezza) / Type (size)		1	2	3
	Art. 650S LISCIA + RUVIDA SMOOTH + ROUGH Per materiali teneri e lavorazioni finali For soft material clamping and final machining			Cod. 7.65.0S1000 7.65.0S2000 7.65.0S3000
	Art. 650R *CODA DI RONDINE DOVE TAIL Miglior presa pezzo Best workpiece clamping			Cod. 7.65.0R1000 7.65.0R2000 7.65.0R3000
				* Utensile fresa per realizzare la base del particolare da bloccare (pag. 7.29) Milling tool for working the base of the workpiece to be clamp (pag. 7.29)
	Art. 650T G01 GRIP (Passo - Pitch 1,5mm) Per materiali di durezza normale For standard workpieces hardness clamping			Cod. 7.65.0T1000/G01 7.65.0T2000/G01 7.65.0T3000/G01
	Art. 650T G02 GRIP (Passo - Pitch 2mm) Per materiali di notevole durezza For hardened workpieces clamping			Cod. 7.65.0T1000/G02 7.65.0T2000/G02 7.65.0T3000/G02
	Art. 650T G11 GRIP (Passo - Pitch 11mm) Per materiali teneri For soft material clamping			Cod. 7.65.0T1000/G11 7.65.0T2000/G11 7.65.0T3000/G11

PIASTRINA FRONTALE **FRONTAL JAW PLATE**

NEW

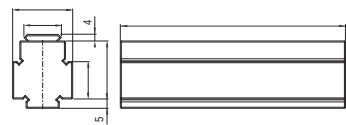
Tipo (grandezza) / Type (size)		1	2	3
	Art. 655L Piastrina LISCIA frontale con fori filettati M4 Frontal SMOOTH jaw plate with threaded holes M4		W 50 K 8 X 3,5 Cod. 7.65.5L1000 7.65.5L2000 7.65.5L3000	W 80 K 10 X 5,5 Cod. 7.65.5L2000 7.65.5L3000
	Art. 655M Piastrina DOLCE frontale con fori filettati M4 Frontal SOFT jaw plate with threaded holes M4		W 50 K 8 X 10 Cod. 7.65.5M1000 7.65.5M2000 7.65.5M3000	W 80 K 10 X 10,5 Cod. 7.65.5M2000 7.65.5M3000
	Art. 655N Piastrina ZIGRINATA frontale Frontal SERRATED jaw plate		W 50 K 8 X 3,5 Cod. 7.65.5N1000 7.65.5N2000 7.65.5N3000	W 80 K 10 X 5,5 Cod. 7.65.5N2000 7.65.5N3000
	Art. 655P Piastrina parallela magnetica piana frontale Frontal straight parallel magnetic plate		W 50 K 5 X 3 Cod. 7.65.5P1000 7.65.5P2000 7.65.5P3000	W 80 K 7 X 5 Cod. 7.65.5P2000 7.65.5P3000

GANASCIA FISSA CENTRALE PER MORSE COMPACT GRIP Art.650

CENTRAL FIXED JAW FOR COMPACT GRIP VISES Art.650

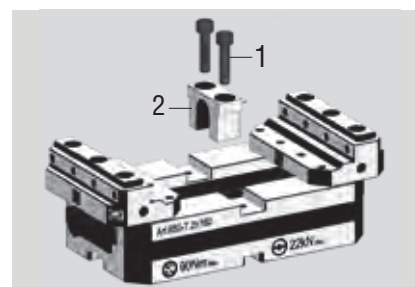
**NEW
2021**

Tipo (grandezza) / Type (size)		1	2	3
Art. 650X Ganascia fissa centrale Central fixed jaw 	A	18	22	22
	A1	24	28	29
	B	8	13	18
	B1	20	23	28
	C	50	88	123
	Cod.	7.65.0X1000	7.65.0X2000	7.65.0X3000
Un inserto per ganascia fissa centrale a scelta incluso (vedi tabella sotto) One too jaw insert as you need included (see table below)				



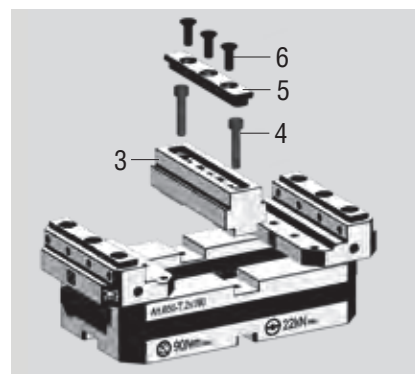
Un inserto per ganascia fissa centrale a scelta incluso (vedi tabella sotto)
One top jaw insert as you need included (see table below)

In fase d'ordine specificare il tipo di inserto - In case of order always specify the type of insert

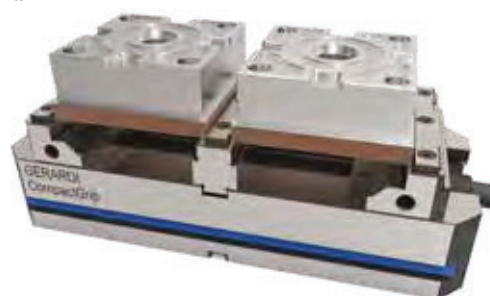

1

ISTRUZIONI OPERATIVE DI MONTAGGIO ASSEMBLY INSTRUCTIONS

- Svitare le due viti (1) che bloccano la forcetta
- Estrarre la forcetta (2) che regola l'autocentrante
- Get the two yoke's screws (1) loosen
- Remove the yoke (2) for the self centering


2

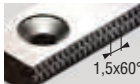
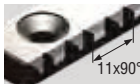
- Posizionare la ganascia fissa doppia centrale (3) nella sede delle chiavette
- Inserire le viti (4) nella sede della ganascia fissa per bloccare la stessa
- Posizionare l'apposito inserto Grip (5) nella sede della ganascia fissa
- Bloccare l'inserto Grip con le viti (6)
- Place the central double fixed jaw (3) in the key nuts seat
- Place the screws (4) in their seats on the central double fixed jaw and get them tight;
- Put the Insert Grip (5) in its seat on the central double fixed jaw
- Get the Insert Grip's screws (6) tight



INSERTI GANASCE PER GANASCIA FISSA CENTRALE

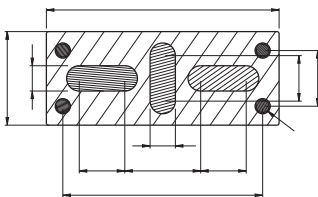
INSERT JAWS FOR CENTRAL FIXED JAW

NEW
7

Tipo (grandezza) / Type (size)		1	2	3								
	Art. 650V LISCE - SMOOTH Materiali teneri e lavorazioni finali Soft material clamping and final machining			<table><tr><td>Cod.</td><td>7.65.0V1000</td><td>7.65.0V2000</td><td>7.65.0V3000</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod.	7.65.0V1000	7.65.0V2000	7.65.0V3000				
Cod.	7.65.0V1000	7.65.0V2000	7.65.0V3000									
	Art. 650Y RUVIDE - ROUGH Miglior presa pezzo Best workpiece clamping			<table><tr><td>Cod.</td><td>7.65.0Y1000</td><td>7.65.0Y2000</td><td>7.65.0Y3000</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod.	7.65.0Y1000	7.65.0Y2000	7.65.0Y3000				
Cod.	7.65.0Y1000	7.65.0Y2000	7.65.0Y3000									
	Art. 650U G01 GRIP (Passo - Pitch 1,5mm) Per materiali di durezza normale For standard workpieces hardness clamping			<table><tr><td>Cod.</td><td>7.65.0U1000/G01</td><td>7.65.0U2000/G01</td><td>7.65.0U3000/G01</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod.	7.65.0U1000/G01	7.65.0U2000/G01	7.65.0U3000/G01				
Cod.	7.65.0U1000/G01	7.65.0U2000/G01	7.65.0U3000/G01									
	Art. 650U G02 GRIP (Passo - Pitch 2mm) Per materiali di notevole durezza For hardened workpieces clamping			<table><tr><td>Cod.</td><td>7.65.0U1000/G02</td><td>7.65.0U2000/G02</td><td>7.65.0U3000/G02</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod.	7.65.0U1000/G02	7.65.0U2000/G02	7.65.0U3000/G02				
Cod.	7.65.0U1000/G02	7.65.0U2000/G02	7.65.0U3000/G02									
	Art. 650U G11 GRIP (Passo - Pitch 11mm) Per materiali teneri For soft material clamping			<table><tr><td>Cod.</td><td>7.65.0U1000/G11</td><td>7.65.0U2000/G11</td><td>7.65.0U3000/G11</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod.	7.65.0U1000/G11	7.65.0U2000/G11	7.65.0U3000/G11				
Cod.	7.65.0U1000/G11	7.65.0U2000/G11	7.65.0U3000/G11									

ACCESSORI PER MORSE COMPACT GRIP Art.950

Art.950 COMPACT GRIP VISES ACCESSORIES

Tipo (grandezza) / Type (size)	2	3
		
		
W	128	160
G	49	59
M	10 H7	14 H7
P	30	36
Q1	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

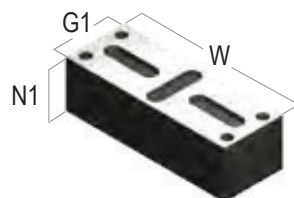
Slitta SINISTRA con chiavette
 Solid hardened slide LEFT HAND
 with positioning key nuts



N	15	20
Cod.	7.95.0C2000	7.95.0C3000

Art. 950D*

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

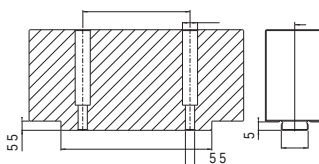
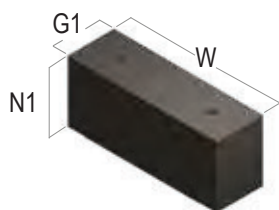


N1	30	47
Cod.	7.95.0D2000	7.95.0D3000

* Viti per fissaggio a richiesta
 Fixing screws on request

Art. 950X*

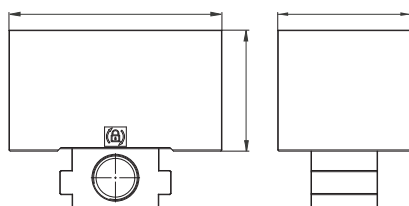
Ganascia fissa intermedia
 lavorabile in acciaio
 Intermediate machineable
 steel fixed jaw



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
 Fixing screws on request

Tipo (grandezza) / Type (size)

1
2
3


A	50	88	123
B	30	50	70
C	50	55	60

Art. 650BM

Ganascia lavorabile
 filetto destro
 Soft machineable jaw
 right thread



Cod. 7.65.0BM10 7.65.0BM20



7.65.0BM30

Specifiche per Art.650 Tipo1 - Specific for Art.650 type 1

Art. 650CM

Ganascia lavorabile
 filetto sinistro
 Soft machineable jaw
 left thread



Cod. 7.65.0CM10 7.65.0CM20



7.65.0CM30

Specifiche per Art.650 Tipo1 - Specific for Art.650 type 1

ACCESSORI PER MORSE COMPACT GRIP Art.650 / Art.950

Art.650 / Art.950 COMPACT GRIP VISES ACCESSORIES

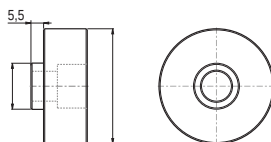
Tipo (grandezza) / Type (size)
1
2
3

Art. 370EM

 Arresto laterale magnetico
 Magnetic workstop

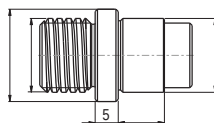

Cod. 7.37.01000/EM 7.37.02000/EM

Art. 640P

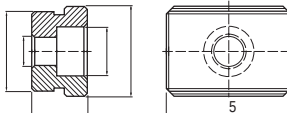
 Perno calibrato per centraggio
 Calibrated centering pin

 ØC h7 20
 ØB 20 - 30 - 38,1(1,5") - 50 - 50,8 (2")
 Cod. 7.64.0P100 7.64.0P200 7.64.0P300

* Specificare sempre quota B - Specify always B dimension

Art. 79

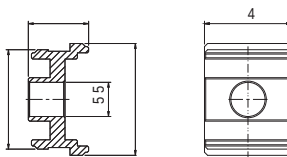
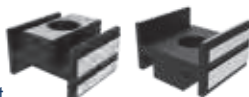
 Perno calibrato per centraggio e orientamento
 Calibrated centering and orientation pin

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

Art. 297

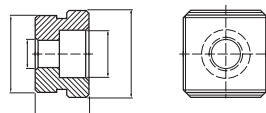
 Coppia di tasselli per regolazione autocentrante
 con vite M5 x 10
 Pair of Self-centering key-nuts with M5 x 10 screw

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

Art. 297X

 NEW
 2021

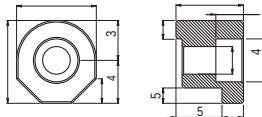
 Tassello a Gioco Zero per il
 posizionamento preciso
 di morse singole su zero point
 Key nut NO-GAP for accurate
 single vise positioning on zero point

 B 12 - 14 - 16 - 18 - 20
 Cod. 297X1612 / 14 / 16 / 18 / 20

Art. 650G

 Tassello di posizionamento morse completo di viti
 Key-nut for vise positioning with screws

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

Specificare sempre quota B - Specify always B dimension

Art. 298 / CGR

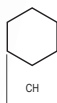
 Staffa per Compact Grip
 Compact Grip holding clamp


Cod. 7.29.81000/CGR

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

CH	B	CH	B	CH	B
10	160	12	160	16	250

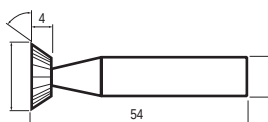
Art.375

 Chiave a pipa
 Box wrench


Cod. 4.37.510160 4.37.512160 4.37.516250

Art. 690DTF

 NEW
 2021

 Utensile fresa per realizzare
 la base del particolare da serrare con
 inserti a coda di rondine Art.650R
 Milling tool for working the base
 of the workpiece to be clamped with
 dove tail inserts Art.650R

 Ø12
 Cod. 7.69.0DTF10

RIALZI IN ALLUMINIO PER MORSE COMPACT GRIP ART.650 / 950 ALUMINUM RISERS FOR COMPACT GRIP VISES ART.650 / 950



Tipo (grandezza) rialzo Riser (type) size		1									
Art. 651H Tipo / Type 1 Rialzo semplice, compatibile con il sistema Zero Point 	A	80		120		160					
	B	80		80		80					
	* C	50	75	100	50	75	100	50	75	100	
	ØD	128		178		178					
	E	-		150		150					
	L	52		52		52					
	M	52		52		52					
	ØJ	110		150		150					
	K	10		10		10					
	K1	-		16		16					
	kg	1,08	1,41	1,75	2,09	2,63	3,17	2,40	3,15	3,90	
	Cod.	7.65.1H1080 /050	7.65.1H1080 /075	7.65.1H1080 /100	7.65.1H1120 /050	7.65.1H1120 /075	7.65.1H1120 /100	7.65.1H1160 /050	7.65.1H1160 /075	7.65.1H1160 /100	
Simple riser Zero Point ready											

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

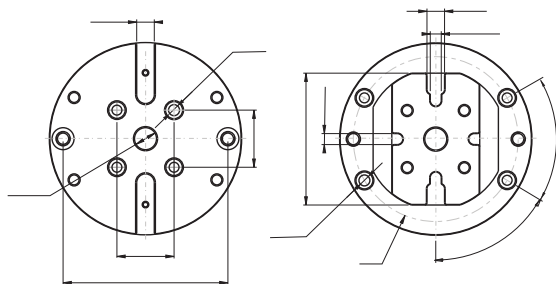
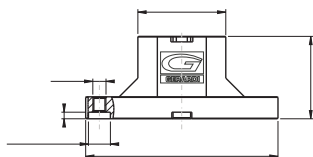
Tipo (grandezza) rialzo Riser (type) size		2											
Art. 651H Tipo / Type 2 Rialzo semplice, compatibile con il sistema Zero Point 	A	120		160		200		240					
	B	90		90		90		90					
	* C	50	75	100	50	75	100	50	75	100	50	75	100
	ØD	210		210		210		249					
	E	-		150		150		200					
	L	65		65		65		65					
	M	90		90		90		150					
	ØJ	185		185		185		185					
	kg	3,07	3,71	4,32	3,09	3,90	4,73	3,38	4,45	5,52	4,13	5,45	6,75
	Cod.	7.65.1H2120 /050	7.65.1H2120 /075	7.65.1H2120 /100	7.65.1H2160 /050	7.65.1H2160 /075	7.65.1H2160 /100	7.65.1H2200 /050	7.65.1H2200 /075	7.65.1H2200 /100	7.65.1H2240 /050	7.65.1H2240 /075	7.65.1H2240 /100
Simple riser Zero Point ready													

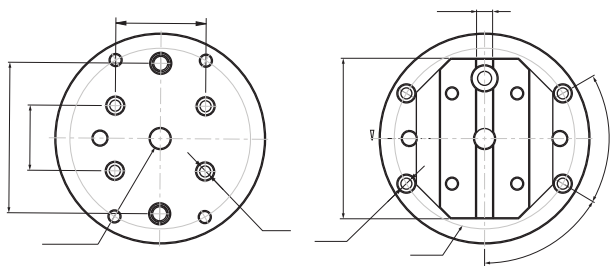
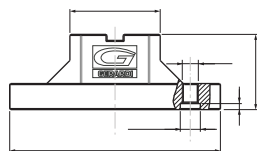
Kit di fissaggio e allineamento rialzo non incluso / Riser fixing and alignment kit not included

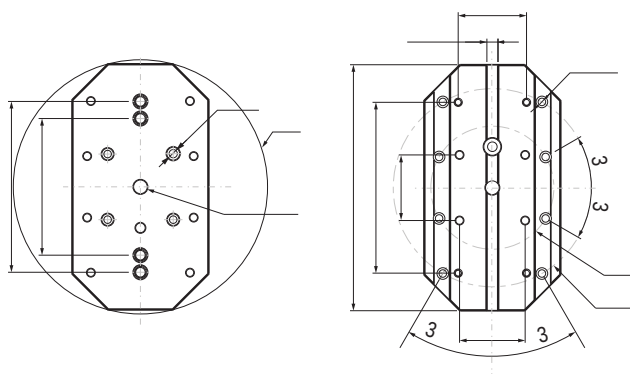
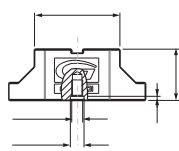
Tipo (grandezza) rialzo Riser (type) size		3															
Art. 651H Tipo / Type 3 Rialzo semplice, compatibile con il sistema Zero Point 	A	160		210		260		310		360							
	B	125		125		125		125		125							
	* C	50	75	100	50	75	100	50	75	100	50	75	100	50	75	100	
	ØD	240		240		332		327		373							
	E	150		150		150		150		200							
	E1	-		-		200		200		250							
	L	96		96		96		96		96							
	L1	-		-		-		100		100							
	M	96		96		96		96		96							
	M1	-		-		-		200		250							
	ØJ	185		185		185		185		185							
	ØJ1	-		-		290		290		290							
	kg	3,34	4,49	5,68	3,85	5,40	6,99	5,73	7,69	9,69	6,14	8,50	10,91	7,02	9,80	12,62	
	Cod.	7.65.1H3160 /050	7.65.1H3160 /075	7.65.1H3160 /100	7.65.1H3210 /050	7.65.1H3210 /075	7.65.1H3210 /100	7.65.1H3260 /050	7.65.1H3260 /075	7.65.1H3260 /100	7.65.1H3310 /050	7.65.1H3310 /075	7.65.1H3310 /100	7.65.1H3360 /050	7.65.1H3360 /075	7.65.1H3360 /100	
Simple riser Zero Point ready																	

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

**NEW
2021**
Tipo (grandezza)
Riser (type) size

1
Art. 651H

Tipo (grandezza)
Riser (type) size

2
Art. 651H

Tipo (grandezza)
Riser (type) size

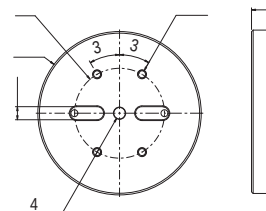
3
Art. 651H

PIASTRE di INTERFACCIA
INTERFACE PLATES
**NEW
2021**
Tipo (grandezza)
Riser (type) size

1
Art. 62M
CompactGrip
Piastra di interfaccia lavorabile
Machineable interface plate

ØJ	110	150	150
C1		28	

Cod.	7.62.M651H21...		
	.../108	.../112	.../116

Personalizzazione non inclusa - Customization not included



Kit di fissaggio al rialzo incluso / Riser fixing and positioning kit included

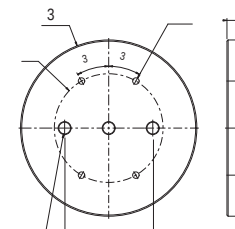
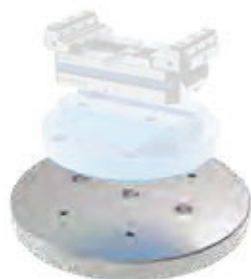
Tipo (grandezza)
Riser (type) size

2
Art. 62M
CompactGrip
Piastra di interfaccia lavorabile
Machineable interface plate

ØJ		185	
C1		28	

E	-	150	150	200
Cod.	7.62.M651H31/			
	.../212	.../216	.../220	.../224

Personalizzazione non inclusa - Customization not included



Kit di fissaggio al rialzo incluso / Riser fixing and positioning kit included

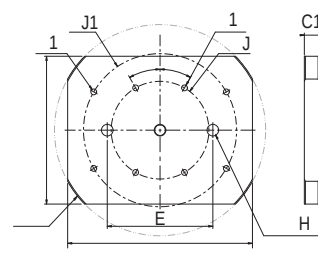
Tipo (grandezza)
Riser (type) size

3
Art. 62M
CompactGrip
Piastra di interfaccia lavorabile
Machineable interface plate

ØJ		185		
C1		28		
J1	-	-	290	290
E	150	150	150	200

Cod.	7.62.M651H45/			
	.../316	.../321	.../326	.../331
	.../336			

Personalizzazione non inclusa - Customization not included



Kit di fissaggio al rialzo incluso / Riser fixing and positioning kit included

TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP

QUICK CHANGE TABLE FOR COMPACT GRIP VISES


NEW

Per Morse Tipo - For Vises Type	1 - 2	3
INTERASSE - PITCH	52	96
Art. 660		
Tavola Cambio rapido meccanica rettangolare		
		
Mechanical quick change rectangular table		
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

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**

Per Morse Tipo - For Vises Type	1 - 2	3
INTERASSE - PITCH	52	96
Art. 660S*		
Tavola Cambio rapido meccanica rettangolare temprata con parte lavorabile senza fori		
		
Mechanical quick change hardened with machineable part holes free rectangular table		
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

Personalizzazione esclusa - Customization not included

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**

Per Morse Tipo - For Vises Type	1 - 2 - 3
INTERASSE - PITCH	52
Art. 660R	
Tavola Cambio rapido meccanica rettangolare di riduzione	
	
Mechanical quick change rectangular reduction table	
B	96
C	27
D	126
E	150
F	52
L	Ø12h7
L1	M8
kg	3,75
Cod.	9.66.0R210

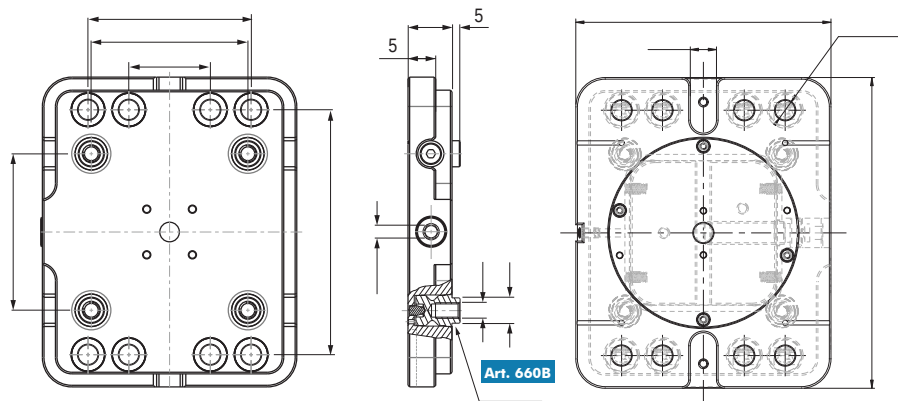
***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**

TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP

QUICK CHANGE TABLE FOR COMPACT GRIP VISES

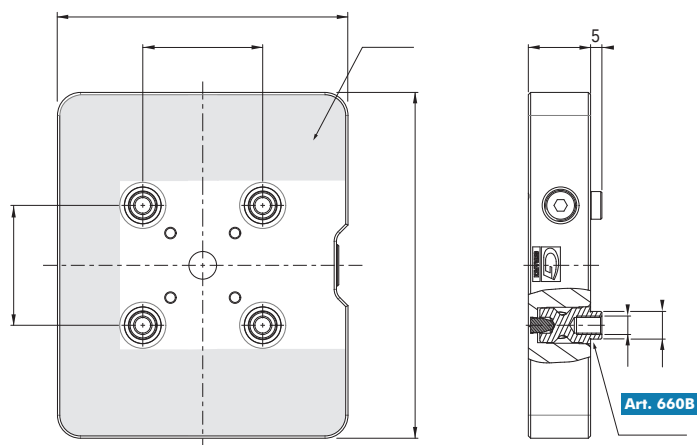
Art. 660

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



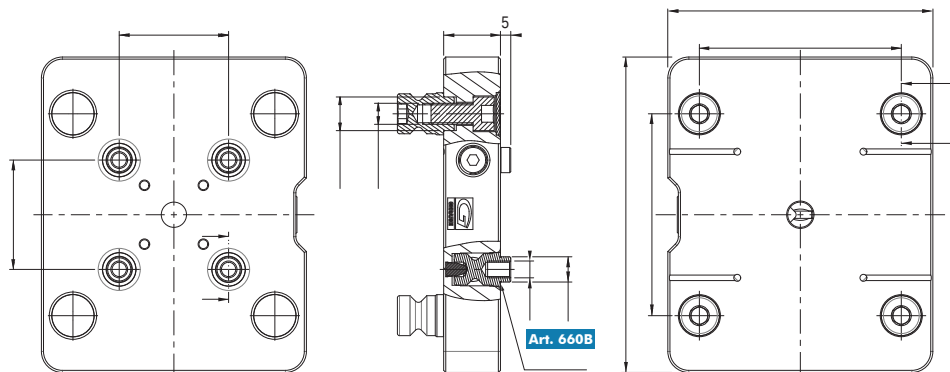
Art. 660S

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



Art. 660R

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


NEW

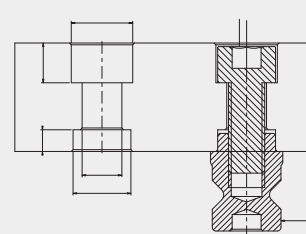
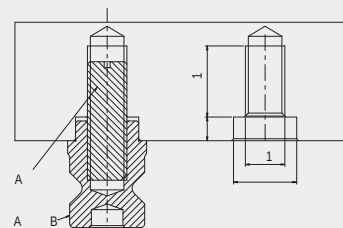
Art. 660B

Tiranti per tavola cambio rapido
Quick change table pull studs



Tipo - Type 1

Tipo - Type 2



Type	1	2
L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	14	17
Ø2	9	11
P	9	11
P1	12	18
Code	9.66.0B100	9.66.0B200



TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP **QUICK CHANGE TABLE FOR COMPACT GRIP VISES**


NEW

Per Morse Tipo - For Vises Type INTERASSE - PITCH	1 - 2 52	3 96
Art. 661		
Tavola Cambio rapido meccanica tonda		
		
Mechanical quick change rounded table		
ØA	158	196
ØB	120	175
C	27	27
F	52	96
L	Ø12h7	Ø16h7
L1	M8	M10
kg	3,4	-
Cod.	9.66.15200	9.66.19600

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**

Per Morse Tipo - For Vises Type INTERASSE - PITCH	1 - 2 52	3 96
Art. 661S*		
Tavola Cambio rapido meccanica tonda temprata con parte lavorabile senza fori		
		
Round mechanical quick change hardened with machineable part holes free table		
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

***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**

Per Morse Tipo - For Vises Type INTERASSE - PITCH	1 - 2 - 3 52 - 96
Art. 661R	
Tavola Cambio rapido meccanica tonda di riduzione	
	
Round mechanical quick change reduction table	
ØA	158
B	96
C	27
F	52
L	Ø12h7
L1	M8
kg	3,75
Cod.	9.66.1R210

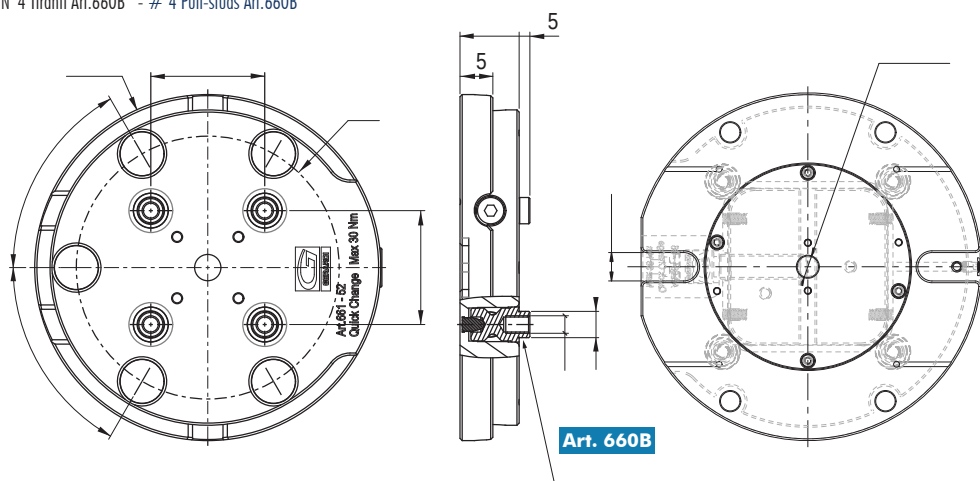
***NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - *NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**

TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP

QUICK CHANGE TABLE FOR COMPACT GRIP VISES

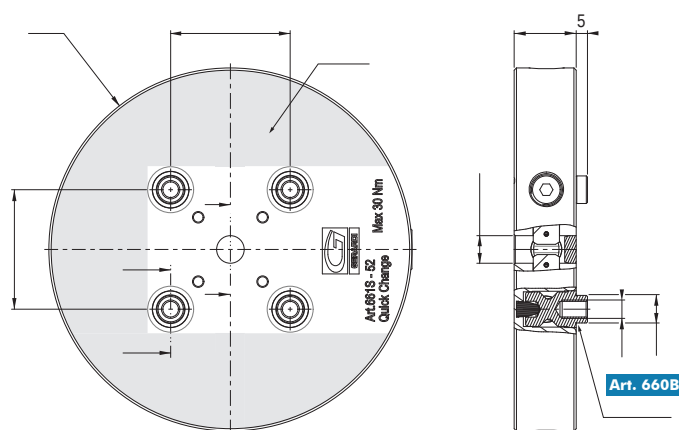
Art. 661

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



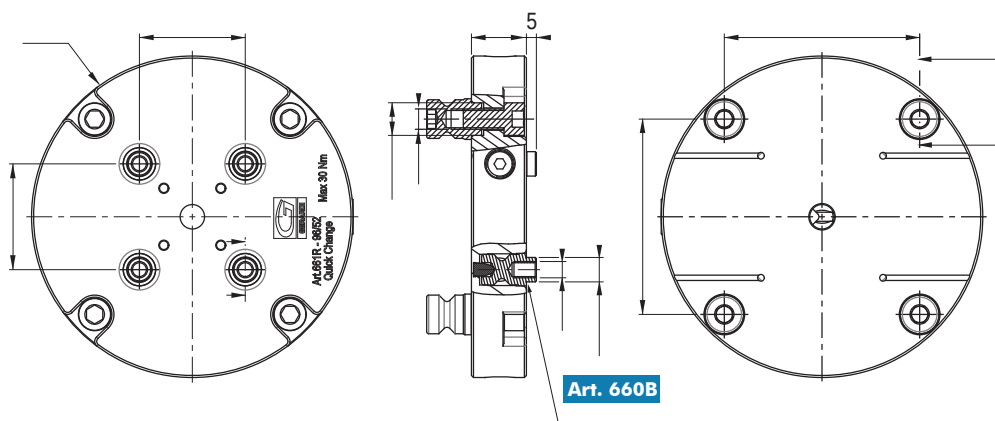
Art. 661S

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



Art. 661R

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


NEW

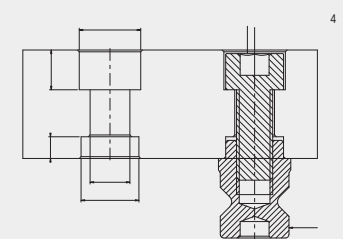
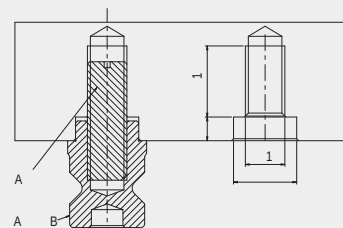
Art. 660B

Tiranti per tavola cambio rapido
Quick change table pull studs



Tipo - Type 1

Tipo - Type 2

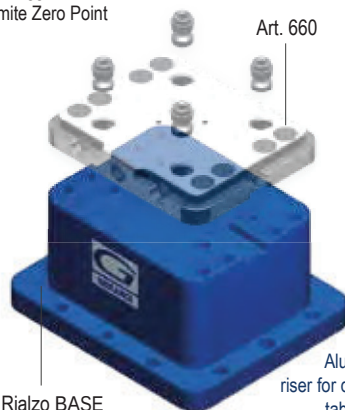


Type	1	2
L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	14	17
Ø2	9	11
P	9	11
P1	12	18
Code	9.66.0B100	9.66.0B200



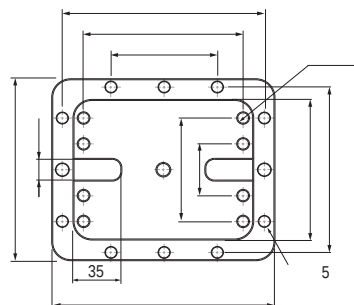
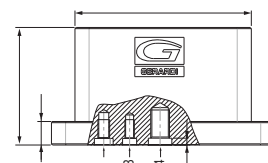
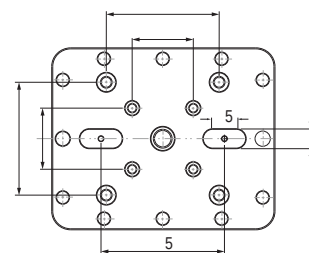
RIALZI SEMPLICI IN ALLUMINIO PER TAVOLA A CAMBIO RAPIDO SIMPLE ALUMINUM RISERS for QUICK CHANGE TABLE

**NEW
2021**
Per Morse Tipo - For Vises Type
INTERASSE - PITCH
1 - 2
52
3
96
Art. 661H

 Rialzo base in alluminio per
 tavola cambio rapido, possibilità
 di montaggio con staffe
 o tramite Zero Point

 Rialzo BASE
 BASE riser
 Art. 661H

 Art. 660
 Aluminum base
 riser for quick change
 table. Mounting
 possibility through
 vise holding clamps
 and Zero Point system

A	100	100
A1	-	150
A2	170	190
B	50	50
B1	-	100
C	100	100
D	156	176
D1	116	136
E	190	210
E1	150	170
F	96	96
F1	52	52
G	136	160
L2	Ø16 H7 / M10	Ø16 H7 / M10
L3	Ø12 H7 / M8	Ø12 H7 / M8
L4	Ø20 H7 / M16	Ø20 H7 / M16
kg	5	6,5
Cod.	9.66.1H520	9.66.1H960



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

Per Morse Tipo - For Vises Type
INTERASSE - PITCH
1 - 2
52
3
96
Art. 661HQ

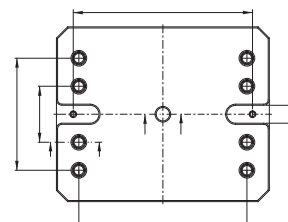
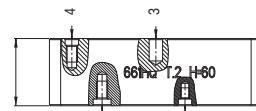
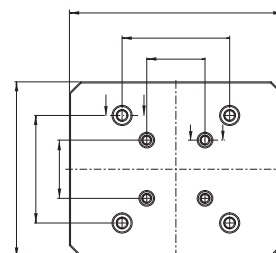
 Rialzo semplice
 in alluminio
 per tavola
 cambio rapido

 Rialzo TOP
 TOP riser
 Art. 661HQ


Art. 660

 Simple
 aluminum
 riser for quick
 change table

A	116	156
A1	150	150
B	50	50
B1	-	100
C	60 100	60 100
D	120	160
E	100	150
F	52	-
F1	96	96
L1	Ø16 H7 / M10	Ø16 H7 / M10
L2	Ø12 H7 / M8	Ø12 H7 / M8
L3	Ø12 H7	Ø12 H7
L4	Ø12 H7 / M10	Ø12 H7 / M10
kg	-	-
Cod.	9.66.1HQ52/060 9.66.1HQ52/100	9.66.1HQ96/060 9.66.1HQ96/100



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

Tipo - Type
1
2
Art. 660B

 Tiranti per tavola
 cambio rapido

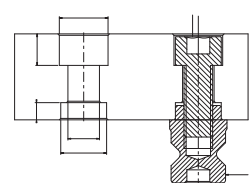
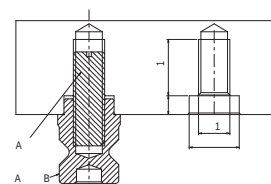
NEW


Tipo - Type 1

Tipo - Type 2

 Quick change
 table pull studs

L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	14	17
Ø2	9	11
P	9	11
P1	12	18
Cod.	9.66.0B100	9.66.0B200

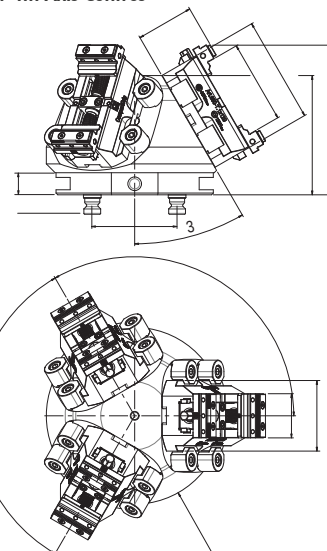


SUPPORTO PIRAMIDALE PER MULTITASKING & COMPACT GRIP

PYRAMIDAL SUPPORT FOR MULTITASKING & COMPACT GRIP

**NEW
2021**

Tipo (grandezza) / Type (size)	1
PIANO INCLINATO - GRADE SIDE	30°

Ideali per Centri a 4 Assi
Ideal for 4th Axis Centres


Art. 643H

Supporto piramidale in alluminio a tripla posizione. Possibilità di montaggio tramite Zero Point e tavole a cambio rapido

Aluminum pyramidal support with 3 positions Mounting possibility through Zero Point system and quick change tables



Dotazione standard

- 1 Golfare
- 12 Staffe di ancoraggio Art.298 CGR
- 4 tiranti Art.660B T2

Standard equipment:

- 1 Eyebolt ■ 12 Vise holding clamps Art.298 CGR with M8 screws
- 4 pull studs Art.660B T2

Multitasking

Compact Grip

Art.650 T.1x80/120

ØA	200
B	120°
C	80
D	50
E	65
F	120
G	94
H	169,4
H1	135
kg	6,8
Cod.	7.64.3H100

Tipo (grandezza) / Type (size)	2
PIANO INCLINATO - GRADE SIDE	45°

Art. 643H

Supporto piramidale in alluminio a tripla posizione. Possibilità di montaggio tramite Zero Point

Aluminum pyramidal support with 3 positions Mounting possibility through Zero Point system



Dotazione standard

- 1 Golfare
- 12 Staffe di ancoraggio Art.298 CGR
- 1 Perno di centraggio ■ Coppia di tasselli Art.297

Standard equipment:

- 1 Eyebolt ■ 12 Vise holding clamps Art.298 CGR with M8 screws
- 1 Centering pin ■ Pair ok keynuts Art.287

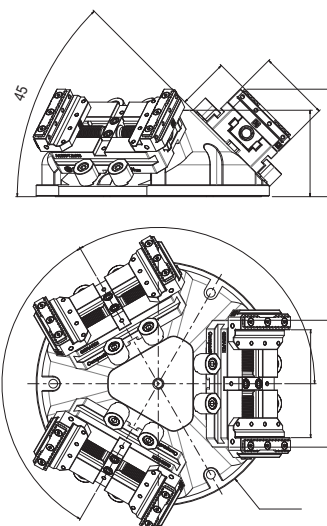
Multitasking

Compact Grip

Art.640 - T.1

Art.650 T.2x120/160/200 - Art.950 T.2x120/160/200

ØA	308
B	120°
C	-
D	90
E	65
F	160
G	136
H	135,5
H1	109
kg	11,9
Cod.	7.64.3H200



Tipo (grandezza) / Type (size)	3
PIANO INCLINATO - GRADE SIDE	45°

Art. 643H

Supporto piramidale in alluminio a tripla posizione. Possibilità di montaggio tramite Zero Point

Aluminum pyramidal support with 3 positions Mounting possibility through Zero Point system



Dotazione standard

- 1 Golfare
- 12 Staffe di ancoraggio Art.298 CGR
- 1 Perno di centraggio
- Coppia di tasselli Art.297

Standard equipment:

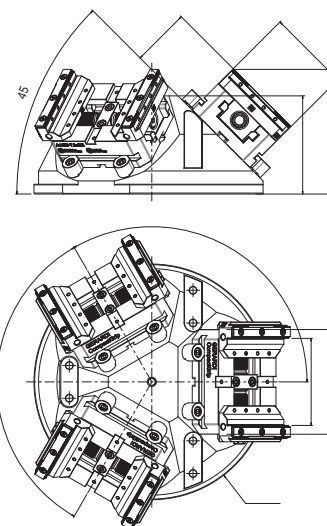
- 1 Eyebolt ■ 12 Vise holding clamps Art.298 CGR with M8 screws
- 1 Centering pin ■ Pair ok keynuts Art.287

Multitasking

Compact Grip

Art.650 T.3x160/210 - Art.950 T.3x160/210

ØA	360
B	120°
C	-
D	125
E	89
F	160
G	133
H	190,5
H1	150
kg	20,8
Cod.	7.64.3H300



Disponibili altre configurazioni, angolazioni e dimensioni
Available also others arrangements, dimension and angles

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

PIASTRE BASE ZERO POINT TONDE

ZERO POINT ROUNDED HEAD PLATES

MONTAGGIO CON FLANGIA

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 14 kN							
		Hermle C600U		DMG DMU 50 Evo		Mazak Variax 500		Hermule C40U	
		Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
Art. 72P									
ØA		280		500		500		420	
B		-		380		400		-	
C		83		83		83		83	
P		-		200		200		200	
P1		-		200		200		200	
N° Zero Point		1		4		4		4	
kg		19	11	61	37	63	38	65	35
Cod.		9.72. P2828S1	9.72. P2828A1	9.72. P5038S4	9.72. P5038A4	9.72. P5040S4	9.72. P5040A4	9.72. P4242S4	9.72. P4242A4
Piastra tonda con Zero Point Art.664 montaggio con flangia Round head plate with Zero Point Art.664 mounting with flange									

Opzione apertura indipendente Zero Point / Zero point independent control option SOVRAPREZZO / EXTRA PRICE:

MONTAGGIO INCASSATO

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 14 kN							
		Hermle C600U		DMG DMU 50 Evo		Mazak Variax 500		Hermule C40U	
		Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
Art. 82P									
ØA		280		500		500		420	
B		-		380		400		-	
C		58		58		58		58	
P		-		200 / 250		200 / 250		200	
P1		-		200		200 / 250		200	
N° Zero Point		1		4		4		4	
kg		30	17	67	29	69	31	56	26
Cod.		9.82. P2828S2	9.82. P2828A2	9.82. P5038S4	9.82. P5038A4	9.82. P5040S4	9.82. P5040A4	9.82. P4242S4	9.82. P4242A4
Piastra tonda con Zero Point Art.665 montaggio incassato Round head plate with Zero Point Art.665 built-in mounting									

Opzione apertura indipendente Zero Point / Zero point independent control option SOVRAPREZZO / EXTRA PRICE:

PIASTRA BASE ROTONDA LISCIA E A RETICOLO - SQUARE SMOOTH AND GRID ROUNDED PLATES

Tipo (grandezza) Zero-Point Zero-Point type (size)	kN	2 up to 14 kN							
		Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
Art. 62iC									
Art. 62iE									
ØA		400		500		630		800	
B		-		400		500		630	
C		38		38		38		38	
P		200		250		300		300	
kg		41	15	59	21	92	33	149	54
Art.62iC Cod.		9.62. IC4032S4	9.62. IC4032A4	9.62. IC4050S4	9.62. IC4060A4	9.62. IC4070S4	9.62. IC4070A4	9.62. IC4080S4	9.62. IC4080A4
Art.62iE Cod.		9.62. IE4032S4	9.62. IE4032A4	9.62. IE4050S4	9.62. IE4060A4	9.62. IE4070S4	9.62. IE4070A4	9.62. IE4080S4	9.62. IE4080A4

FLANGE MOUNTING
2
up to 14 kN

DMG DMU 50		Haas UMC 750		Mazak Variax 630		DMG DMU 70 Evo		DMG DMC 635V		DMG DMC 1035V		DMG DMU 80P	
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
630		630		630		700		790		1000		900	
500		500		500		500		560		560		630	
83		83		83		83		83		83		83	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 250		200 / 300 / 350		200 / 250	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300		200 / 250 / 300		200 / 300 / 400		200 / 300 / 400	
4		4		4		4		6		8		6	
85	46	85	46	85	46	94	49	124	68	151	78	149	76
9.72. P6350S4	9.72. P6350A4	9.72. P6350S4	9.72. P6350A4	9.72. P6350S4	9.72. P6350A4	9.72. P7050S4	9.72. P7050A4	9.72. P7956S6	9.72. P7956A6	9.72. P1056S8	9.72. P1056A8	9.72. P9063S6	9.72. P9063A6

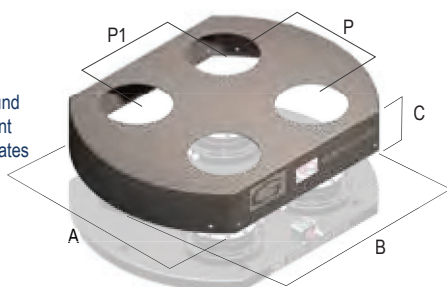
BUILT-IN MOUNTING
2
up to 14 kN

DMG DMU 50		Haas UMC 750		Mazak Variax 630		DMG DMU 70 Evo		DMG DMC 635V		DMG DMC 1035V		DMG DMU 80P	
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
630		630		630		700		790		1000		900	
500		500		500		500		560		560		630	
58		58		58		58		58		58		58	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 250		200 / 250 / 350		200 / 250 / 300	
200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 250 / 300		200 / 300 / 400		200 / 300 / 400		200 / 300 / 400	
4		4		4		4		6		8		6	
103	43	103	43	103	43	116	48	149	63	197	83	188	87
9.82. P6350S4	9.82. P6350A4	9.82. P6350S4	9.82. P6350A4	9.82. P6350S4	9.82. P6350A4	9.82. P7050S4	9.82. P7050A4	9.82. P7956S6	9.82. P7956A6	9.82. P1056S8	9.82. P1056A8	9.82. P9063S6	9.82. P9063A6

CARTER PER PIASTRE TONDE - ROUNDED PLATES COVER
Tipo (grandezza) Zero-Point
 Zero-Point type (size)

kN
2
up to 14
Art. 72CP

 Carter in acciaio INOX
 per piastre tonde
 interfacciate con
 Zero Point

 Stainless steel round
 cover for Zero Point
 interfaced head plates


	Steel	Steel	Steel	Steel
ØA	420	500	630	790
B	-	400	500	560
C	78	78	78	78
P	200	250	300	300
P1	200	250	300	300
kg			-	-
Cod.	9.72.CP42424	9.72.CP50404	9.72.CP63504	9.72.CP79566

	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	444	544	644	316	416	516	616	396	496	596	596	696	796
B		137				171			186			246	
C		100				120			140			160	
D	600	700	800	500	600	700	800	600	700	800	800	900	1000
E	625	725	825	525	625	725	825	625	725	825	825	925	1025
F		237				291			326			406	
G		125				145			170			190	
H		98				128			138			180	
L		84				97			107			107	
J3		132				154			169			189	
J4		82				96			106			106	
X		57				64			66			86	
W		124				144			169			189	
kg		-				-			-			-	

Cod. 5.86.83600 5.86.83700 5.86.83800 5.86.84500 5.86.84600 5.86.84700 5.86.84800 5.86.85600 5.86.85700 5.86.85800 5.86.86800 5.86.86900 5.86.86100

Art. 868D

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

Cod. 5.86.8D360 5.86.8D370 5.86.8D380 5.86.8D450 5.86.8D460 5.86.8D470 5.86.8D480 5.86.8D560 5.86.8D570 5.86.8D580 5.86.8D680 5.86.8D690 5.86.8D610

Art. 802

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

Cod. 5.80.23000 5.80.24000 5.80.25000 5.80.26000

Art. 868E

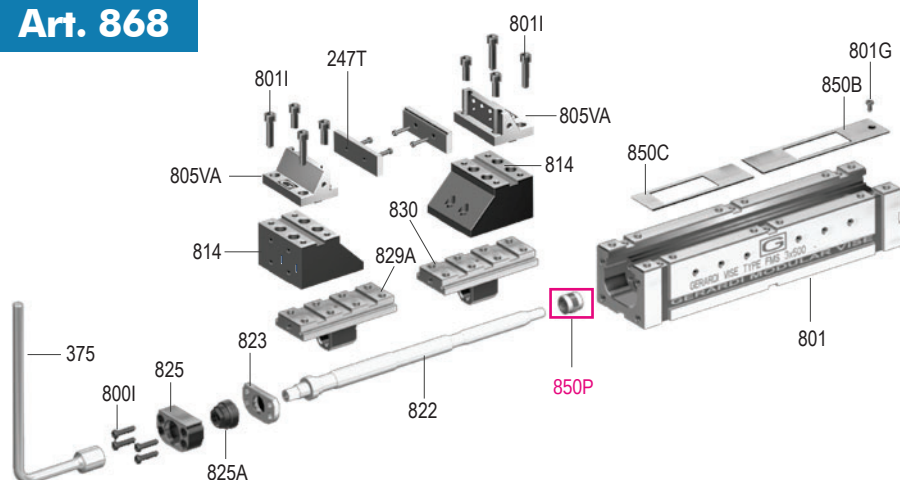
(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

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

Art. 868F

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

Cod. 5.86.8F360 5.86.8F370 5.86.8F380 5.86.8F450 5.86.8F460 5.86.8F470 5.86.8F480 5.86.8F560 5.86.8F570 5.86.8F580 5.86.8F680 5.86.8F690 5.86.8F610

Art. 868


Art.	Pag.	Art.	Pag.
375	4.35	830	5.52
800I	5.61	850B	5.61
801	5.50	850C	5.61
801G	5.61	850P	5.72
801I	5.61	814	5.56
810J	5.56	805VA	5.35
822	5.53	247T	5.35
823	5.59	-	-
825	5.59	-	-
825A	5.61	-	-
829A	5.52	-	-

Automatic Vises

GRIPMATIC

Morse Automatiche per centri di lavoro automatizzati

Automatic vises system for automatic machine centre



Precisione / Accuracy
±0,02mm



Durezza / Hardened
HRC 58±2

CARATTERISTICHE & VANTAGGI

- ✓ USURA INESISTENTE
- ✓ RAPIDITA' DEI SERRAGGI
- ✓ PNEUMATICA O IDRAULICA
- ✓ UTILIZZO NON PRESIDATO
- ✓ CONTROLLABILE DA CNC
- ✓ CARICO E SCARICO TRAMITE ROBOT
- ✓ PRECISIONI ± 0,02 mm
- ✓ RIGIDITA' & SICUREZZA
- ✓ DESIGN COMPATTO E MANEGGEVOLEZZA
- ✓ AUTOCENTRANTI

TECHNICAL FEATURES & ADVANTAGES

- ✓ NO WEAR
- ✓ QUICK CLAMPING
- ✓ PNEUMATIC OR HYDRAULIC
- ✓ UNATTENDED USE POSSIBLE
- ✓ CNC MANAGEABLE
- ✓ WORKPIECE LOAD & DOWNLOAD BY ROBOT
- ✓ HIGHEST ACCURACIES ± 0,02 mm
- ✓ RIGIDITY & SAFETY
- ✓ SELF-CENTERING



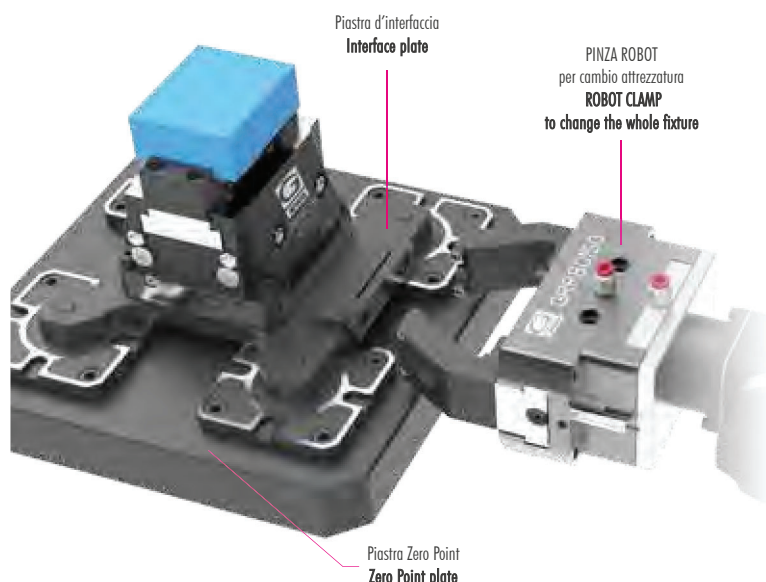
PNEUMATICA A DOPPIO EFFETTO O IDRAULICA
PNEUMATIC DOUBLE EFFECT OR HYDRAULIC



Totamente automatica Fully Automatic

Predisposizione per la completa gestione tramite CNC, automatizzando i processi di serraggio e incrementando così la produttività della vostra officina. Utilizzo non presidiato, Comandabile dal CNC. Ideale per carico e scarico tramite robot.

Configured for the complete handling by CNC, to automate the clamping process and increasing the productivity of your company. Unattended use possible, CNC manageable, ideal for automatic workpiece loading by robot.



Il funzionamento pneumatico o idraulico delle morse GRIPMATIC, grazie ad un pistone a doppio effetto garantisce una completa gestione in automatico delle morse. La notevole modularità permette inoltre di utilizzarle su qualunque tipologia di macchina e grazie alla predisposizione e la completa gestione tramite CNC, si ha la possibilità di automatizzare i processi di serraggio incrementando così la produttività della vostra officina.

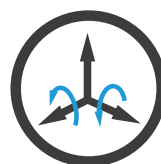
The pneumatic or hydraulic activation of GRIPMATIC vises is made through a double effect piston that grants the complete managing of the vise. One of the main features is modularity that allows this kind of vise to be used on any type of machine and, thanks to its configuration and complete handling by CNC, it is also possible to automate the clamping process so increasing the productivity of your company.



GripMatic

Le Automatiche & Autocentranti
 The Automatic & Self-centering

Art. 670 PN | ID



SCAN IT TO WATCH THE



VIDEO PRESENTATION



*Morse Automatiche
ideali per centri a 5 assi
Automatic Vises
ideal for 5 axis machining centres*

Ganasce e piastre ganasce - Jaws and jaw plates



ART. 671B



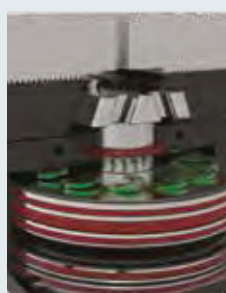
ART. 671A



ART. 671C

Ganasce & Piastre ganasce per morse GripMatic
 Jaws & Jaw plates for GripMatic vises

Forza di serraggio Clamping Force



Art.670	PN	ID
T.2	7 kN	19 kN
T.3	14,4 kN	37,5 kN
T.4	16,9 kN	47 kN

Predisposizione Zero Point Zero Point Ready



Predisposizione per il posizionamento rapido e preciso della morsa GripMatic tramite piastra Zero Point (anche in automatico).

Set-up for the quick and safe positioning of the GripMatic vise through Zero Point plate (also automatic).

Tipo (grandezza) morsa / Vise (type) size		2	3	4
		7	14,4	16,9
Art. 670PN	Stroke Art.671A/B	A	8,5 / 10,5	12 / 13,1
		A1	130,2	162
		B	30	35
		C	105	130
		D	166	206
		E	78	95
		G	12	16
		H	140	170
		W	99	124
		kg	20	38
Cod.		7.67.0PN20	7.67.0PN30	7.67.0PN40

Modulo base morsa
autocentrante pneumatica
MAX 10 BAR



Self-centering vise
base module pneumatic
MAX 10 BAR

NEW
2021

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 671A		Cod.	7.67.1A200	7.67.1A300	7.67.1A400
Ganascia lavorabile Soft jaw					
Art. 671B		Cod.	7.67.1B200	7.67.1B300	7.67.1B400
Ganascia lavorabile ridotta Soft narrow jaw					
Art. 671C		Cod.	7.67.1C200	7.67.1C300	7.67.1C400
Ganascia predisposta per piastre ganasce standard ridotte Jaw for narrow width standard jaw plates					
Art. 243		Cod.	1.65.17000	1.65.27000	1.65.37000
Piastra ganascia piana rigata temprata Hardened grooved straight jaw plate					
Art. 245		Cod.	4.24.51000	4.24.52000	4.24.53000
Piastra ganascia piana liscia temprata Hardened smooth straight jaw plate					
Art. 670G		H	18	25	30
Piastra piana con inserti GRIP e 1pc Art.414R (parallela magnetica universale) Straight plate with GRIP inserts and 1 pc. Art.414R (universal magnetic parallel)		Cod.	7.67.0G200	7.67.0G300	7.67.0G400

Dotazione standard:

- 1 perno di centraggio Art.670P*
- N°4 viti calibrate a colletto Art.83
- Valvola di non ritorno Art. PN16
- N°2 raccordi cilindrici maschi Art.PN04

* (Indicare dimensione in fase di ordine)



Standard equipment:

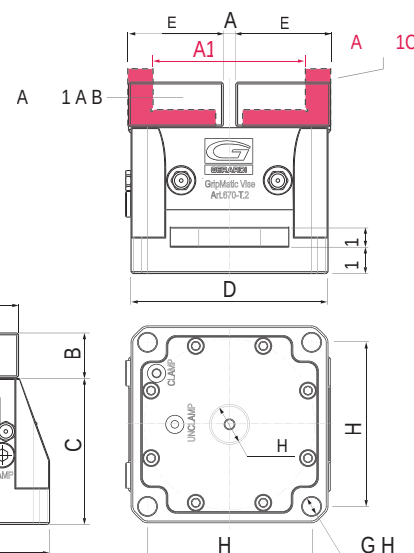
- 1 centering pin Art.670P*
- N. 4 shoulder screw Art. 83
- No return valve Art.PN16
- N.2 Straight male adaptors Art.PN04

* (Dimension to be advised at order)

Art. 670PN



Esempio di ordine: Art. 670PN tipo2 +
2x Art.671A + Art.670P Ø30mm
Example of order: Art. 670PN type2 +
2x Art.671A + Art.650G Ø30mm



Tipo (grandezza) morsa / Vise (type) size		2		3		4	
		19		37,5		47	
		kN					
Art. 670ID	Stroke Art.671A/B	A	6,4 / 6,9	8,5 / 10,5	12 / 13,1		
		A1	88,9	130,2	162		
		B	25	30	35		
		C	80	105	130		
		D	108	166	206		
		E	52	78	95		
		G	10	12	16		
		H	90	140	170		
		W	74	99	124		
		kg	6,7	20	38		
		Cod.	7.67.0ID20	7.67.0ID30	7.67.0ID40		

Modulo base morsa autocentrante idraulica
MAX 30 BAR* (tipo 4, MAX 25 BAR)
*Presto disponibili anche 60 o 350 BAR



Self-centering vise
base module
hydraulic MAX 30 BAR*
(Type 4, MAX 25 BAR)
Soon available 60 or 350 BAR

SUGGERITA APERTURA PNEUMATICA
PNEUMATIC OPENING SUGGESTED

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 671A		Cod.	7.67.1A200	7.67.1A300	7.67.1A400
Art. 671B		Cod.	7.67.1B200	7.67.1B300	7.67.1B400
Art. 671C		Cod.	7.67.1C200	7.67.1C300	7.67.1C400
Art. 243		Cod.	1.65.17000	1.65.27000	1.65.37000
Art. 245		Cod.	4.24.51000	4.24.52000	4.24.53000
Art. 670G		H	18	25	30
		Cod.	7.67.0G200	7.67.0G300	7.67.0G400

Dotazione standard:

- 1 perno di centraggio Art.670P*
- N°4 viti calibrate a collo Art.83
- N°2 Niplon

* (Indicare dimensione in fase di ordine)



Standard equipment:

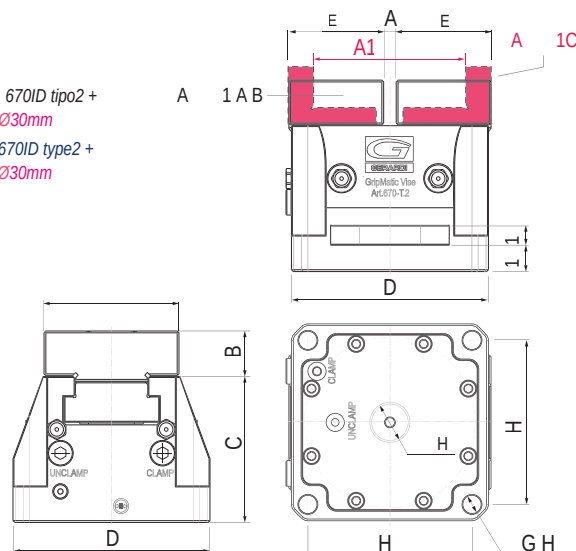
- 1 centering pin Art.640P*
- N. 4 shoulder screw Art. 83
- N.2 Niplon

*(Dimension to be advised at order)

Art. 670ID



Esempio di ordine: Art. 670ID tipo2 +
2x Art.671A + Art.670P Ø30mm
Example of order: Art. 670ID type2 +
2x Art.671A + Art.650G Ø30mm



PIASTRE DI INTERFACCIA PER MORSE GRIPMATIC

INTERFACED PLATES FOR GRIPMATIC VISES

NEW 2021

Tipo (grandezza) morsa / Vise (type) size		2 5,1 - 15	3 16 - 32	4 22 - 43
	kN			
Art. 670CP SEMI AUTOMATICA SEMI-AUTOMATIC	A	90	140	170
	B	90	140	170
	C	-	38	-
	D	200	200	200
	E	200	200	200
	F	250	250	250
	G	250	250	250
Cod.		7.67.0CP20	7.67.0CP30	7.67.0CP40

Piastra di interfaccia per morsa GripMatic Art.670 PN semiautomatica con innesto aria tramite attacco rapido e gestione del sistema manuale tramite selettore



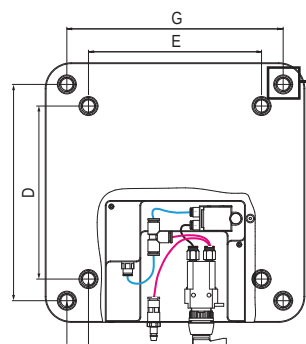
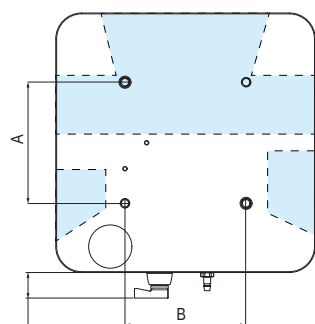
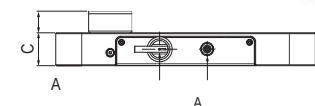
Art.670PN

Interface plate for GripMatic vise Art.670PN semi-automatic quick coupling air input and manual system control through a selector.

Art.670CP



Selettore - selector


 Predisposizione Zero Point
Zero Point ready

 Esempio applicativo con azionamento esterno
(Pedale / joystick) su richiesta allo stesso prezzo.
Application example with external activation (pedal/
joystick) on request at the same price

PIASTRE DI INTERFACCIA PERSONALIZZATE PER MORSE GRIPMATIC

CUSTOMIZED INTERFACED PLATES FOR GRIPMATIC VISES

NEW 2021

Tipo (grandezza) morsa / Vise (type) size		2 5,1 - 15	3 16 - 32	4 22 - 43
	kN			
Art. 670AP AUTOMATICA AUTOMATIC	Cod.	7.67.0AP20	7.67.0AP30	7.67.0AP40

Piastra di interfaccia per morsa GripMatic Art.670PN automatica con innesto aria/olio tramite la tavola della macchina e gestibile direttamente dal CNC.

Piastra completamente personalizzabile in base alle funzionalità della macchina utensile (comando di presenza pezzo e pulizia)

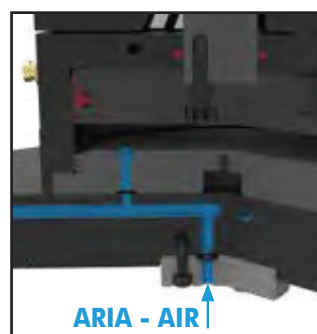


Art.670ID/PN

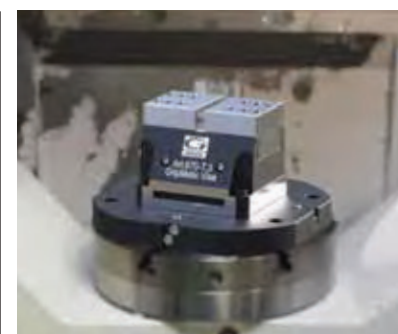


Art.670AP

Interface plate for GripMatic vise Art.670PN automatic with air or oil input through the machine table and possible to be controlled directly by the CNC. This plate can be fully tailored according the characteristics of the machine (workpiece positioning check and cleanliness)

PIASTRA COMPLETAMENTE PERSONALIZZABILE !
COMPLETE CUSTOMIZABLE PLATE !


Ingresso diretto ARIA - Direct AIR input



Esempio applicativo - Applicative example

CENTRALINE PNEUMOIDRAULICHE PER MORSE GRIPMATIC

PNEUMOHYDRAULIC POWER UNIT FOR GRIPMATIC VISES

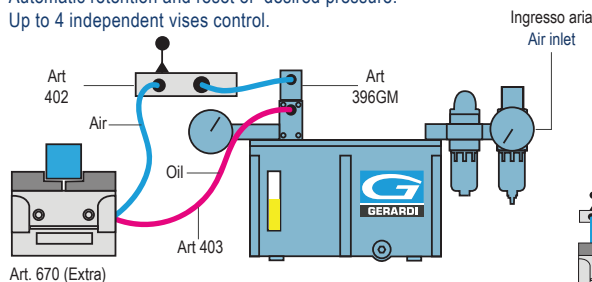
**NEW
2021**
Tipo (grandezza) morsa / Vise (type) size
kN **2** **3** **4**
5,1 - 15 **16 - 32** **22 - 43**

Art.394 GM

COMANDO PNEUMATICO
PNEUMATIC CONTROL

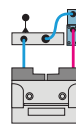
Centralina a comando pneumatico remoto. Pressione max 33bar
Con mantenimento e ripristino automatico della pressione desiderata.
Per il controllo da 1 a 4 morse indipendenti.

Power unit with remote pneumatic control. Max pression 33bar
Automatic retention and reset of desired pressure.
Up to 4 independent vises control.



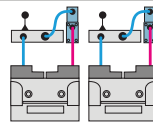
Art. 670 (Extra)

Entrata ARIA 7bar, Uscita OLIO Max 33bar - AIR inlet 7bar, output OIL Max 33bar



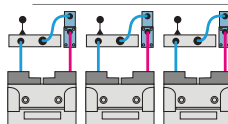
1 MORSA / 1 VISES - (1 Art.402 - 1 Art.403 - 1 Art.396GM)

Cod. 7.39.4GM331



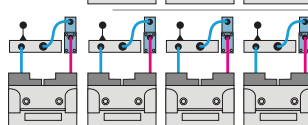
2 MORSE / 2 VISES - (2 Art.402 - 2 Art.403 - 2 Art.396GM)

Cod. 7.39.4GM332



3 MORSE / 3 VISES - (3 Art.402 - 3 Art.403 - 3 Art.396GM)

Cod. 7.39.4GM333



4 MORSE / 4 VISES - (4 Art.402 - 4 Art.403 - 4 Art.396GM)

Cod. 7.39.4GM334

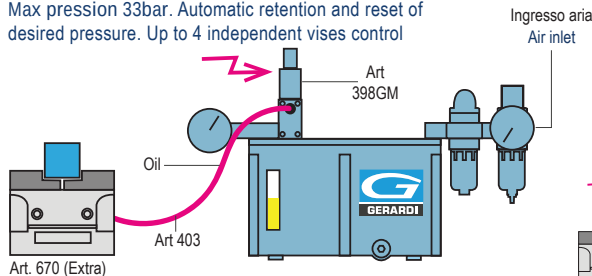
Tipo (grandezza) morsa / Vise (type) size
kN **2** **3** **4**
5,1 - 15 **16 - 32** **22 - 43**

Art.395 GM

COMANDO ELETTRICO
ELECTRIC CONTROL

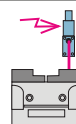
Centralina a comando pneumatico con azionamento elettrico e pressostato. Pressione max 33bar
Con mantenimento e ripristino automatico della pressione desiderata.
Per il controllo da 1 a 4 morse indipendenti

Pneumatic power unit with electric control and pressurestat
Max pression 33bar. Automatic retention and reset of desired pressure. Up to 4 independent vises control



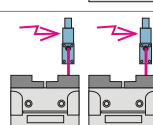
Art. 670 (Extra)

Entrata ARIA 7bar, Uscita OLIO Max 33bar - AIR inlet 7bar, output OIL Max 33bar



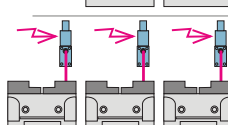
1 MORSA / 1 VISES - (1 Art.403 - 1 Art.398GM)

Cod. 7.39.5GM331



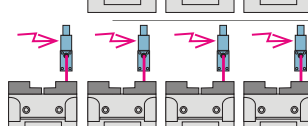
2 MORSE / 2 VISES - (2 Art.403 - 2 Art.398GM)

Cod. 7.39.5GM332



3 MORSE / 3 VISES - (3 Art.403 - 3 Art.398GM)

Cod. 7.39.5GM333



4 MORSE / 4 VISES - (4 Art.403 - 4 Art.398GM)

Cod. 7.39.5GM334

ACCESSORI E RICAMBI / SPARE PARTS

Art. 403

Tubo termoplastico completo di attacco rapido Art. 270A (m 1)
Thermoplastic pipe complete with rapid connection Art. 270A (m 1)

Cod. 4.40.30000



Art. 402

Distributore leva angolare, 2 vie
Angular valve, 2 ways

Cod. 9.40.20000



Art. 400

Pedale bistabile
Two positions foot pedal

Cod. 4.40.00000



Per ogni metro extra / For each extra meter:

 Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)

Art. 396 GM

Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise



Cod. 4.39.6GM00

 Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)

Art. 398 GM

Blocco modulare per comando elettrico (con pressostato) aggiuntivo per ogni morsa extra

Modular block for electric control (with pressurestat) for each extra vise


 Pressostato
Pressurestat

Cod. 4.39.8GM00

 Su richiesta: 12V / 24V / ...V
On request: 12V / 24V / ...V

GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.670

NEW

JAWS & JAW PLATES FOR MULTITASKING VISES Art.670

Tipo (grandezza) / Type (size)		2	3	4
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 * Viti per fissaggio a richiesta Fixing screws on request				
	W	74	94	124
	A	13,5	18	18
	B	38	48	58
	E	45	70	87
	F	30	51	62
	Cod.	7.67.1C200	7.67.1C300	7.67.1C400
Art. 243* Piastra ganaschia piana rigata temprata Hardened grooved straight jaw plate * Viti per fissaggio a richiesta Fixing screws on request				
	W	74	94	124
	G	19	19	19
	Cod.	1.65.17000	1.65.27000	1.65.37000
Art. 245* Piastra ganaschia piana liscia temprata Hardened smooth straight jaw plate * Viti per fissaggio a richiesta Fixing screws on request				
	W	74	94	124
	G	19	19	19
	Cod.	4.24.51000	4.24.52000	4.24.53000
Art. 247G* Piastra piana con inserti GRIP Straight plate with GRIP inserts * Viti per fissaggio a richiesta Fixing screws on request				
	W	74	94	124
	G	20	20	20
	Cod.	1.24.7G100	1.24.7G200	1.24.7G300
Art. PN16 Valvola direzionale di non ritorno - 1/8" Gas Unidirectional check valve - 1/8" Gas		Cod.	9.PN.16000	
Art. PN22 Raccordo a Y Ø6 - Ø8 Y adaptor Ø6 - Ø8		Cod.	9.PN.22006/8	
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

Clamping system

DOVE TAIL

Sistema a Coda di Rondine per centri a 5 assi

Irreversible Dove Tail system for 5th axis centres

Il sistema ad incastro irreversibile DOVE TAIL grazie alla sua versatilità e conformazione che garantisce una rigidità estrema consente un'ottimizzazione dei tempi di attrezzaggio e di lavorazione dei particolari

Thanks to its versatility and shape, which guarantees an exceptional rigidity, our Irreversible DOVE TAIL system also ensures an optimisation of set-up and machining times.

Insuperabile per particolari di dimensioni ridotte

Unbeatable to clamp small workpieces



Serraggio ad incastro e rilascio graduale

Irreversible clamping and gradual unclamping

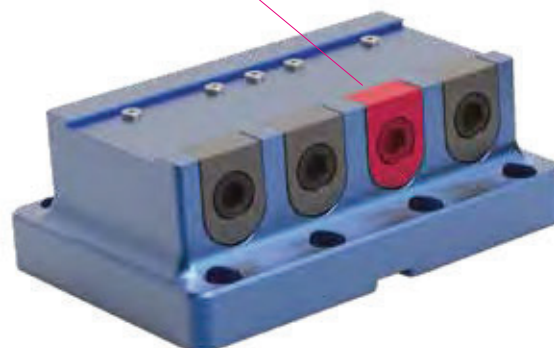
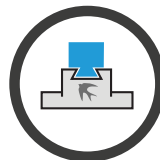
Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un'efficace chiusura ad incastro irreversibile. La molla all'interno permette un rilascio graduale del tassello di bloccaggio.

The workpiece is clamped through a Dovetail nut that exploits the lever effect of the main screw and ensures an effective clamping. The internal spring allows a gradual release of the blocking nut.

SCAN IT TO WATCH THE



VIDEO PRESENTATION



Art. 950

*NON DISPONIBILE PER IL MERCATO AMERICANO
NOT AVAILABLE FOR AMERICAN MARKET

Sistema irreversibile

Irreversible system

Ogni particolare può essere serrato tramite il sistema a Coda di Rondine pre-lavorando la faccia inferiore, creando una sagoma dell'altezza di 3mm e un angolo di 60°. Il sistema a coda di rondine è un **sistema ad incastro irreversibile** che garantisce un'estrema rigidità della presa pezzo durante tutti i tipi di lavorazione.

Each part can be clamped through Dove Tail system simply machining in advance the lower side, by creating a 3mm high template and a 60° angle. Dove Tail system is an **irreversible interlocking system** which guarantees an exceptional rigidity of the clamping during all types of machining.



Rialzo Piramidale

Pyramidal riser

Il supporto piramidale speciale consente di montare 4 sistemi a coda di rondine contemporaneamente inclinati a 30° incrementando così lo spazio di lavoro e le possibilità di lavorazione e riducendo altresì i tempi morti.

The pyramidal riser allows the simultaneous mounting of 4 Dove tail systems inclined at 30° thus increasing the working space, widening the machining possibilities and also reducing the dead times.



SISTEMA A CODA DI RONDINE DOVE TAIL FIXTURES

Art.690

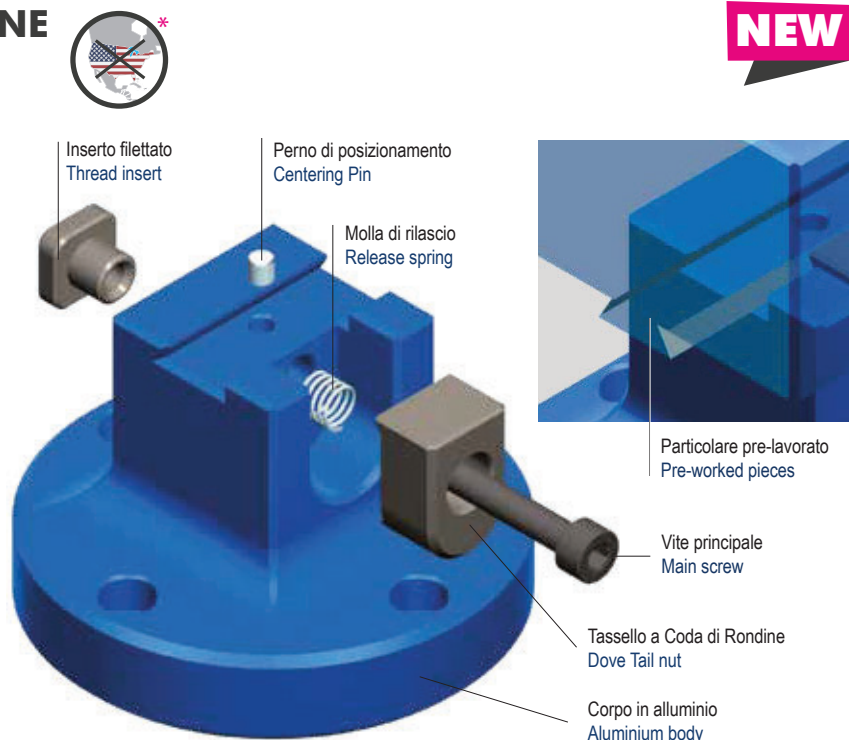
Il sistema a Coda di Rondine è progettato specificatamente per le lavorazioni su centri a 5 assi.

Grazie alla sua versatilità e conformazione offre un'ottimizzazione dei tempi di attrezzaggio e di lavorazione dei particolari.

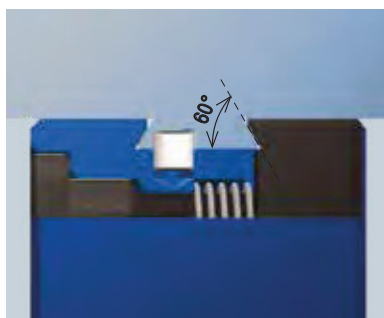
Il sistema Coda di Rondine è compatibile con l'ampia gamma di attrezzature Gerardi, in particolare con il sistema Zero Point e tavole a cambio rapido ed è possibile applicarlo sui più conosciuti centri di lavoro al mondo.

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

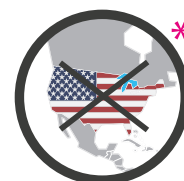
Thanks to its versatility and shape it guarantees the best set up and machining times. The Dove Tail System is obviously compatible with the widest range of Gerardi fixtures in especially with Zero Point systems and with quick change tables and it is possible to use it on the worldwide most popular Machine Centers.


NEW

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

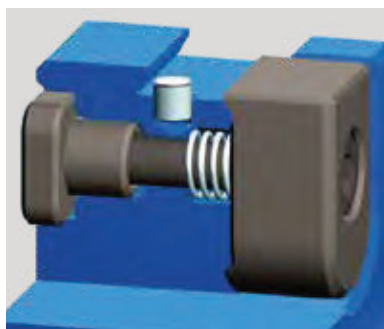

1

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°.

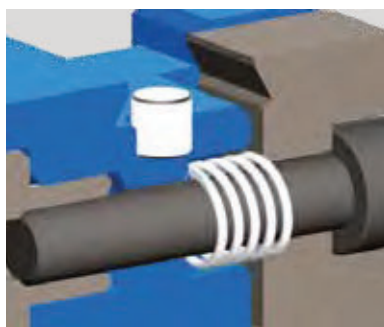
Each workpiece can be clamped on the Dove Tail system machining firstly the lower face through the proper milling cutter in order to create a 3mm height shape with a 60° angle.


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

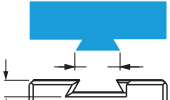
Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un'efficace chiusura. La molla all'interno permette un rilascio graduale del tassello di bloccaggio.

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

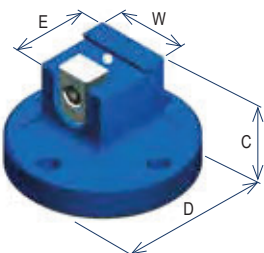
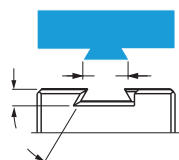
ALUMINIUM DOVE TAIL FIXTURES


NEW

Tipo (grandezza) - (type) size (inch)		1	2	3	4	5	6	
Grandezza coda di rondine - Dove tail dimension		A"	0,281"	0,375"	0,5"	0,75"	1,5"	2,25"
Art.690 SINGOLO - SINGLE Tipo / Type 3 	Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
		C	50	50	50	50	70	70
		D	Ø56	Ø56	Ø76	Ø86	Ø116	88x132
		E	20	22	34	40	70	88
		W	20	22	34	40	50	48
		Forma Shape						
		kg	0,3	0,4	0,9	1,1	3,2	3,6
	Cod.	12.690.101	12.690.201	12.690.301	12.690.401	12.690.501	12.690.601	

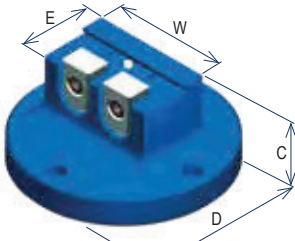
Art.690
SINGOLO - SINGLE

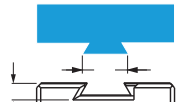
Tipo / Type 3



*NON DISPONIBILE PER IL MERCATO AMERICANO - *NOT AVAILABLE FOR U.S. MARKET

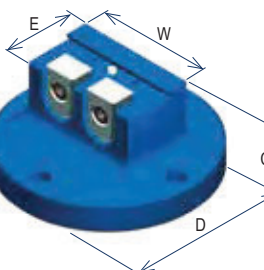
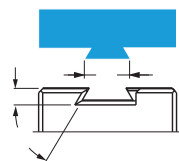
Tipo (grandezza) - (type) size (inch)		1	2	3	4	5	6	
Grandezza coda di rondine - Dove tail dimension		A"	0,281"	0,375"	0,5"	0,75"	1,5"	2,25"
Art.690 DOPIO - DOUBLE Tipo / Type 3	Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
		C	-	-	50	50	70	70
		D	-	-	Ø98	Ø104	110	110x128
		E	-	-	34	40	70	88
		W	-	-	60	60	90	90
		Forma Shape	-	-				
		kg	-	-	1,4	1,6	4,4	5,3
	Cod.	-	-	12.690.302	12.690.402	12.690.502	12.690.602	





Art.690
DOPIO - DOUBLE

Tipo / Type 3

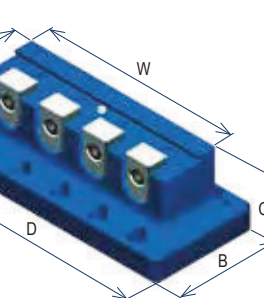
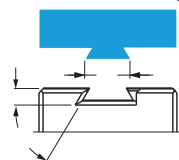


*NON DISPONIBILE PER IL MERCATO AMERICANO - *NOT AVAILABLE FOR U.S. MARKET

Tipo (grandezza) - (type) size (inch)		1	2	3	4	5	6	
Grandezza coda di rondine - Dove tail dimension		A"	0,281"	0,375"	0,5"	0,75"	1,5"	2,25"
Art.690 MULTIPLIO MULTIPLE Tipo / Type 3	Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
		B	-	-	64	70	110	128
		C	-	-	50	50	70	70
		D	-	-	140	140	190	190
		E	-	-	34	40	70	88
		W	-	-	120	120	170	170
		Forma Shape	-	-				
		kg	-	-	2,1	2,4	7,9	9,6
		Cod.	-	-	12.690.304	12.690.404	12.690.504	12.690.604

Art.690
MULTIPLIO MULTIPLE

Tipo / Type 3



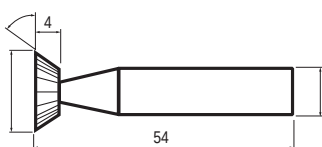
*NON DISPONIBILE PER IL MERCATO AMERICANO - *NOT AVAILABLE FOR U.S. MARKET

Art.690G Gruppo di serraggio completo			1	2	3	4	5	6
		Cod.	12.690.G001	12.690.G002	12.690.G003	12.690.G004	12.690.G005	12.690.G006



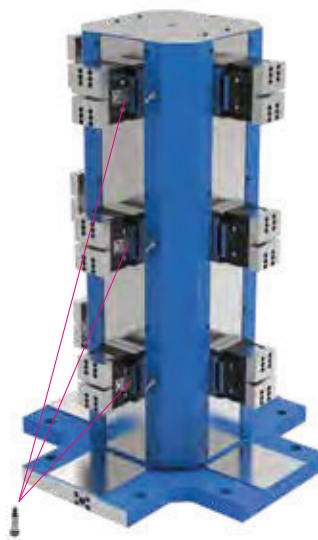
*NON DISPONIBILE PER IL MERCATO AMERICANO - *NOT AVAILABLE FOR U.S. MARKET

Art.690DTF Utensile fresa per realizzare la base del particolare da bloccare Milling tool for working the base of the workpiece to clamp							
							
							
		1	2	3	4	5	6
	Cod.	7.69.0DTF10					



PREDISPOSIZIONE e MONTAGGIO MORSE su SPALLE LAVORATE

TOMBSTONES SET-UP and VISES MOUNTING on 2 SIDE MACHINED TOMBSTONES

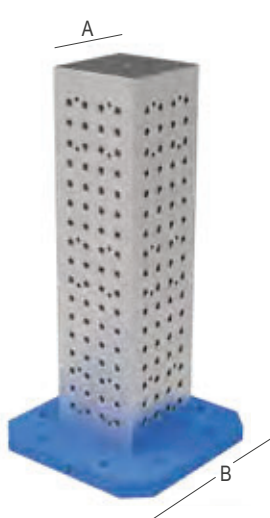
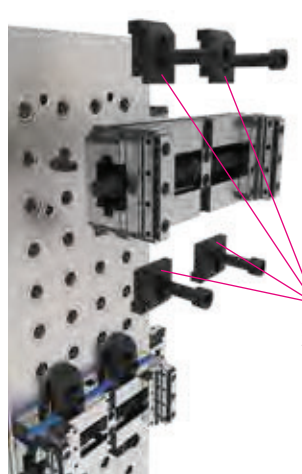
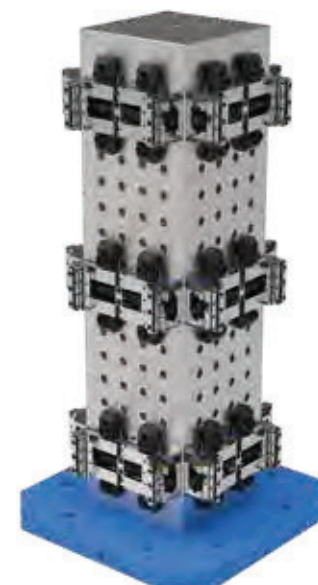
Cubo lavorato Art.57C Machined cube Art.57C	Tipo di morsa Vise type	Predisposizione e montaggio* Set-up & Mounting*	Cubo con morse Cube with vises
Cod. 8.57.C00140 Dim. A=300 / B=630 / E=150 / H=950 	Art.670 Type 2 + 2x Art.671A  n°morse Vises n° x 12	Per morsa / each vise  Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni morsa. Amount needed for the set-up of each side and mounting + alignment of each vise on it.	 Art.83

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

Certificato di collaudo
 Certificate test

MONTAGGIO e ALLINEAMENTO MORSE su CUBI a RETICOLO

ALIGNEMENT and VISES MOUNTING on GRID TOMBSTONES

Cubo a reticolo Art.53F Grinded tombstone Art.53F	Tipo di morsa Vise type	Montaggio e allineamento* Mounting and alignment*	Cubo con morse Cube with vises
Cod. 8.53.F00107 Dim. A=250 / B=500 / H=1000 	Art.650 Tipo 2x240  n°morse Vises n° x 12	Per morsa / each vise  Art. 296	

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

Certificato di collaudo
 Certificate test

Diagrammi serraggio / Clamping diagrams

Multitasking

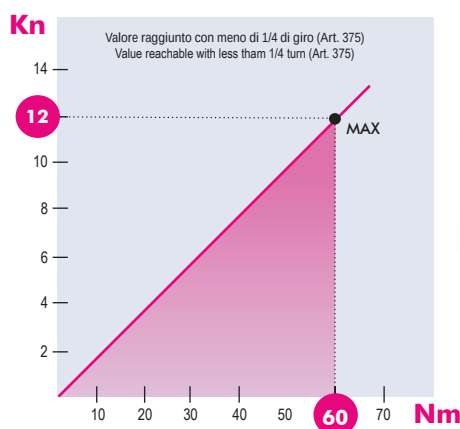
Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Art. 357

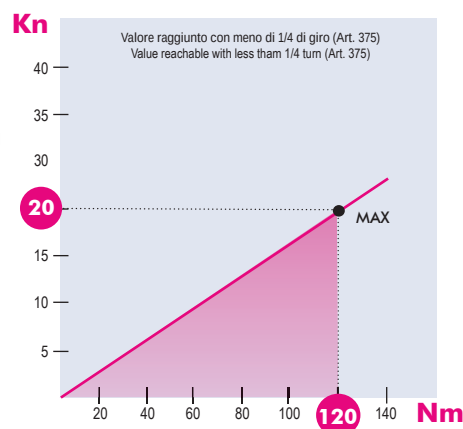
Morse tipo 1

Vises type

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

Art. 357

Morse tipo 2

Vises type

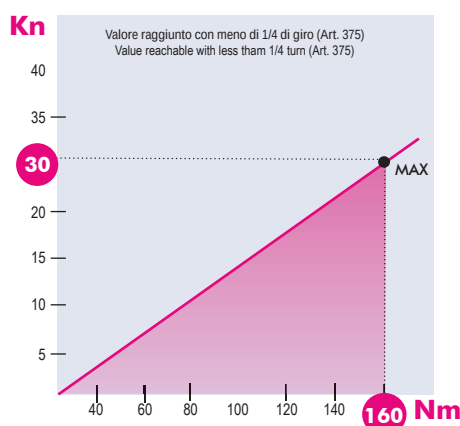
 Vite TPF24 - Passo 2mm
 Screw TPF24 - Pitch 2mm


Gruppi di serraggio meccanici / Mechanical clamping devices

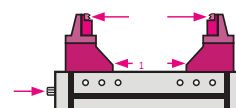
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione del momento applicato
 The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) depending on the torque

Morse tipo 3

Vises type

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

Art. 357

FMS

Art. 868


Tipo morsa Vise type	1	2	3 - 4	5 - 6
Vite / Screw TPF	18 / 20mm	18 / 24mm	24 / 30mm	30 / 36mm
Passo / Pitch	2mm	2mm	2mm	3mm

Morse tipo 1 (Max 25 kN - 120 Nm)

Vises type 1 (Max 25 kN - 120 Nm)

Morse tipo 2 (Max 25 kN - 140 Nm)

Vises type 2 (Max 25 kN - 140 Nm)

Morse tipo 3 - 4 (Max 30 kN - 200 Nm)

Vises type 3 - 4 (Max 30 kN - 200 Nm)

Morse tipo 5 - 6 (Max 32 kN - 240 Nm)

Vises type 5 - 6 (Max 32 kN - 240 Nm)

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

CompactGrip

Diagrammi di serraggio meccanico con chiave dinamometrica

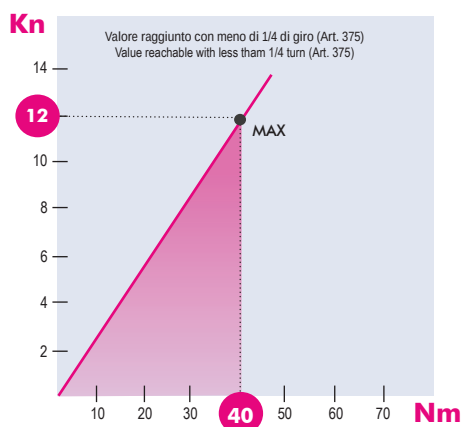
Mechanical clamping diagrams with torque wrench

Art. 357

Morse tipo Vises type

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

1

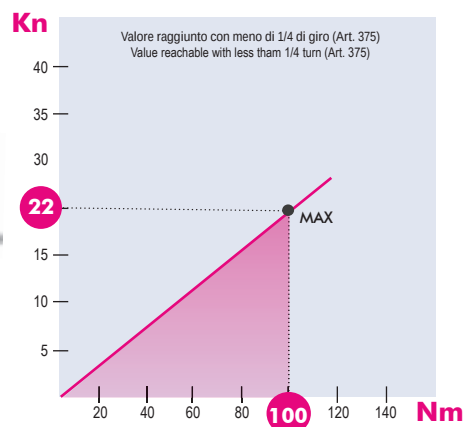


Art. 357

Morse tipo Vises type

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

2



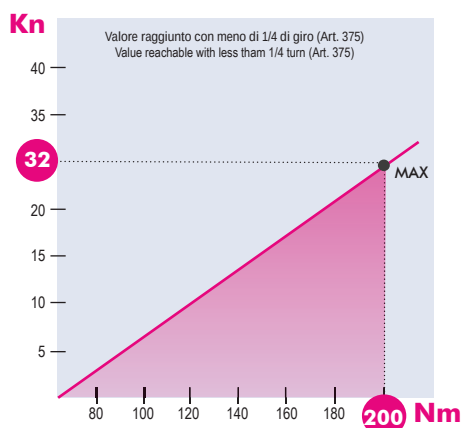
Gruppi di serraggio meccanici / Mechanical clamping devices

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione del momento applicato
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) depending on the torque

Morse tipo Vises type

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

3



Art. 357

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 di serraggio / Clamping diagrams

GripMatic

Diagrammi di serraggio pneumatico/idraulico

Pneumatic/hydraulic clamping diagrams

● Valore massimo
consigliato (ARIA)

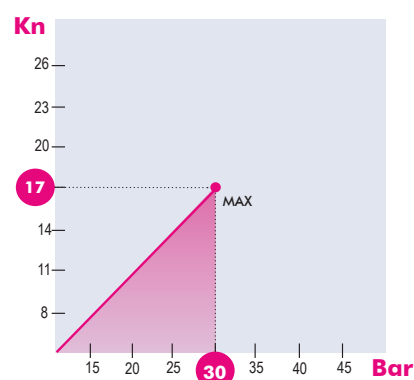
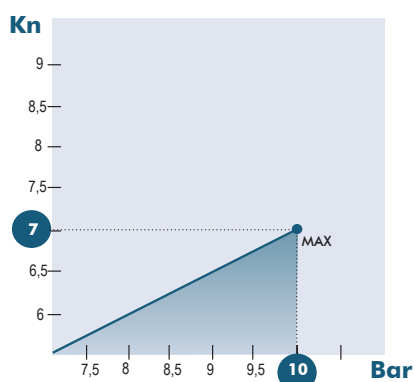
● Max suggested
value (OIL)

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 2 a 4). In funzione della pressione dei fluidi (aria e olio).
 The following diagrams give the clamping force that can be obtained with each vise type (size 2 to 4) as a function of the fluid pressure (air or oil).

Morse tipo Vises type

Pistone Ø85mm -
 Superficie utile 51,8mm²
 Hydraulic cylinder Ø85mm
 Effective surface 51,8mm²

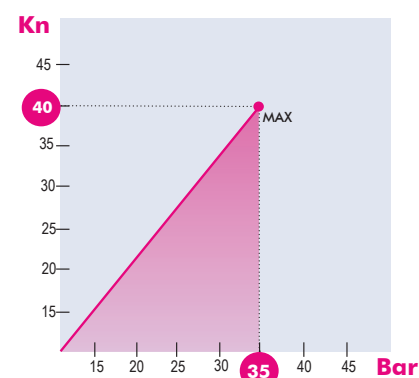
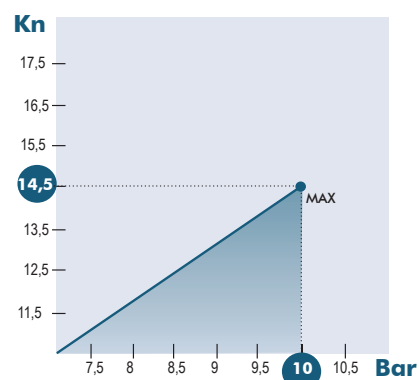
2
 (1 bar = 14,5 psi)



Morse tipo Vises type

Pistone Ø135mm -
 Superficie utile 132,3mm²
 Hydraulic cylinder Ø135mm -
 Effective surface 132,3mm²

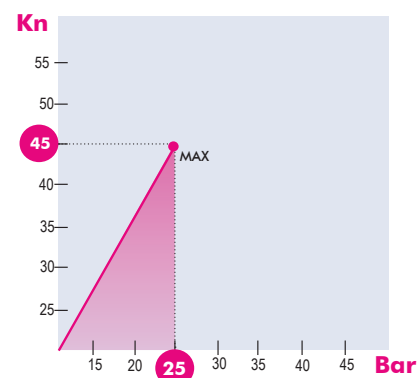
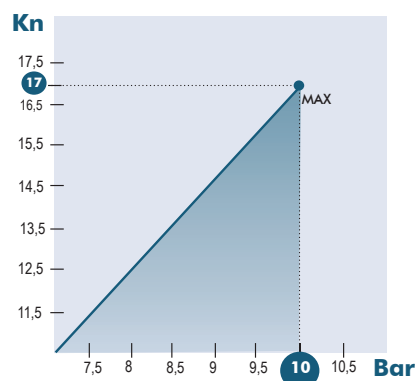
3
 (1 bar = 14,5 psi)



Morse tipo Vises type

Pistone Ø170mm
 Superficie utile 209,5mm²
 Hydraulic cylinder Ø170mm
 Effective surface 209,5mm²

4
 (1 bar = 14,5 psi)



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.

MORSE MULTITASKING

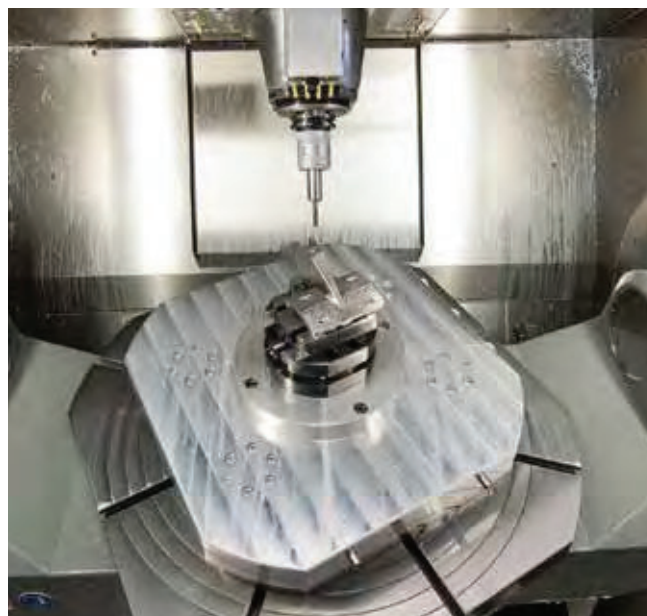
MULTITASKING VISES



Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions



MORSE COMPACTGRIP

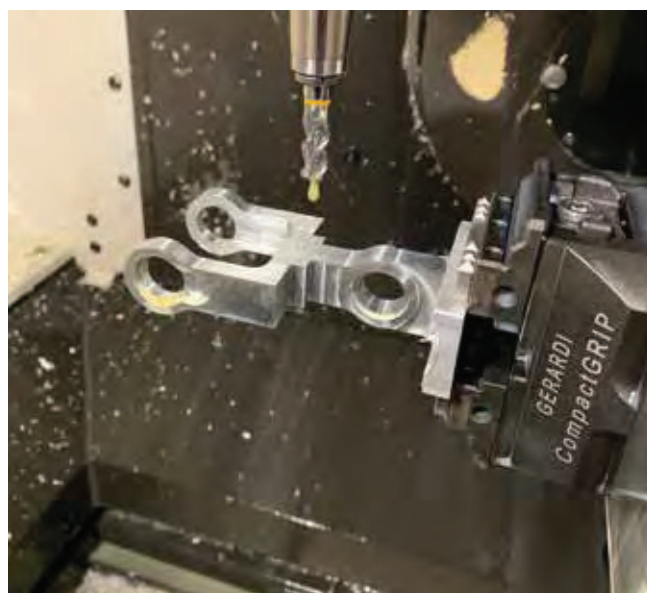
COMPACTGRIP VISES



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