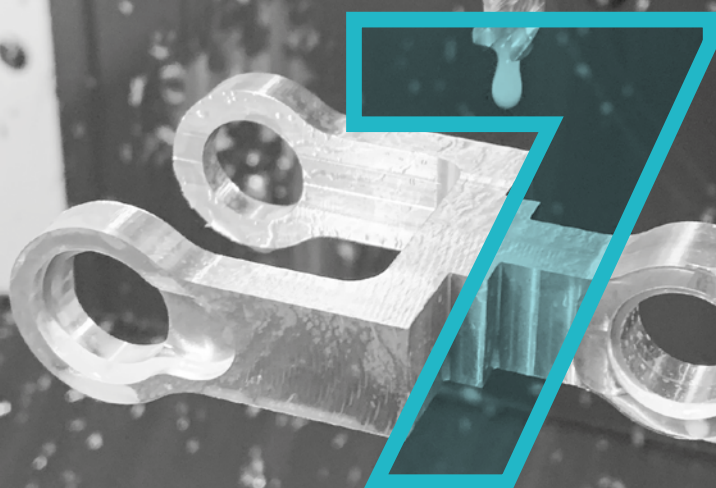
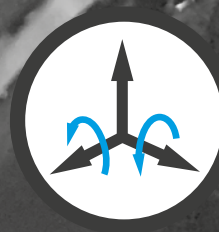




*For 5th axis
machining centres!*

MULTITASKING

Morse / Visas

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VALIGETTA DI CAMPIONATURA COMPACT GRIP

SAMPLE KIT CASE COMPACT GRIP


Art. 986

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

Cod. 0.98.60000

PRICE LIST €

~~2.854~~

SPECIAL PRICE €

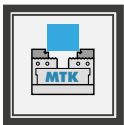
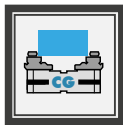
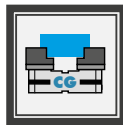
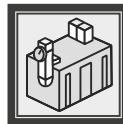
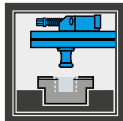
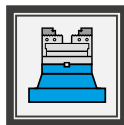
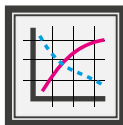
1.350
All'Interno - Inside:

 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

Multitasking & CompactGrip vises

MULTITASKING

Morse autocentranti per applicazioni avanzate su centri a 5 assi

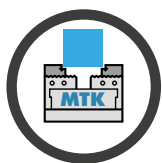
Vises for advanced applications on 5 axis machining centres



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



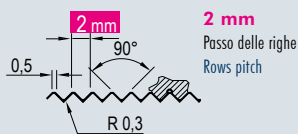
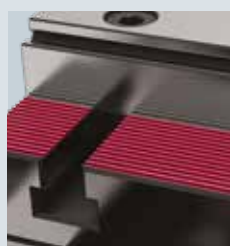
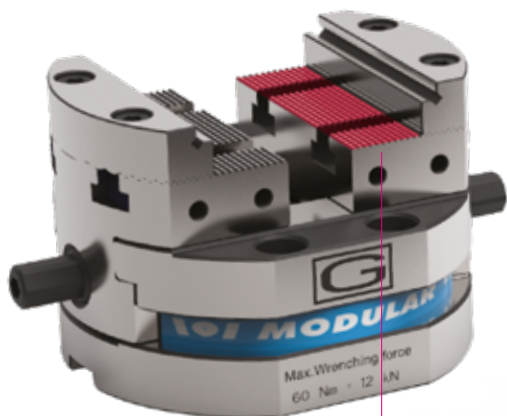
Durezza / Hardened
HRC 58 $\pm$ 2



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).

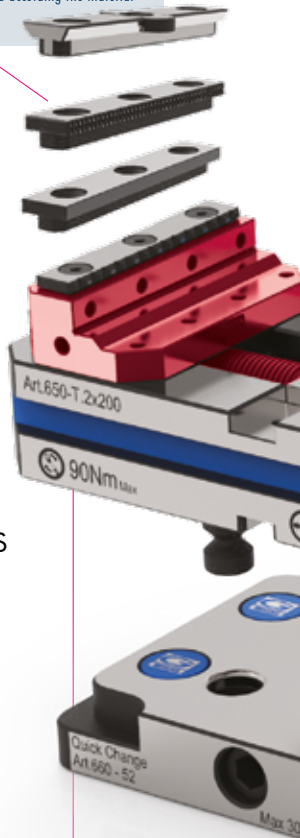
Inserts to be used on both sides Another advantage will be the greatest versatility thanks to easiest and quickest GRIP top jaw inserts exchange with different types of teeth design to be used according the material to be clamped

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

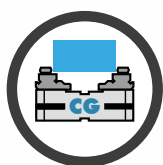
SOLID GUIDED Reversible Jaws

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



Piastra a cambio rapido meccanico
Mechanical quick change table

Art. 660

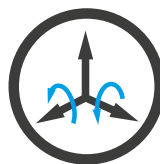
*NON DISPONIBILE PER IL
MERCATO TEDESCO E AUSTRIACO
NOT AVAILABLE FOR
GERMAN & AUSTRIAN MARKET



Compatibilità con 4° asse Compatibility with 4th axis

La nuova Piastra 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 plate. The machineable version can be tailor made by the customer himself according to his machine plate.



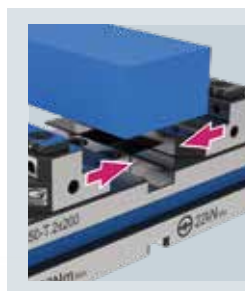
SCAN IT TO WATCH THE



VIDEO PRESENTATION



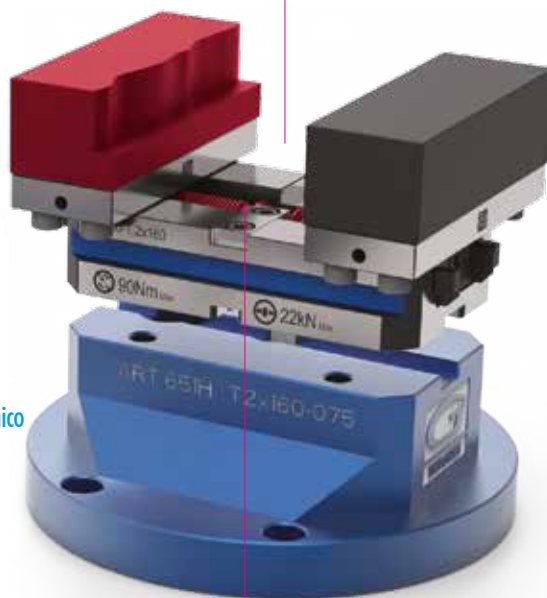
Autocentranti e Compatte Selfcentering & Compact



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

**NEW
2024**

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

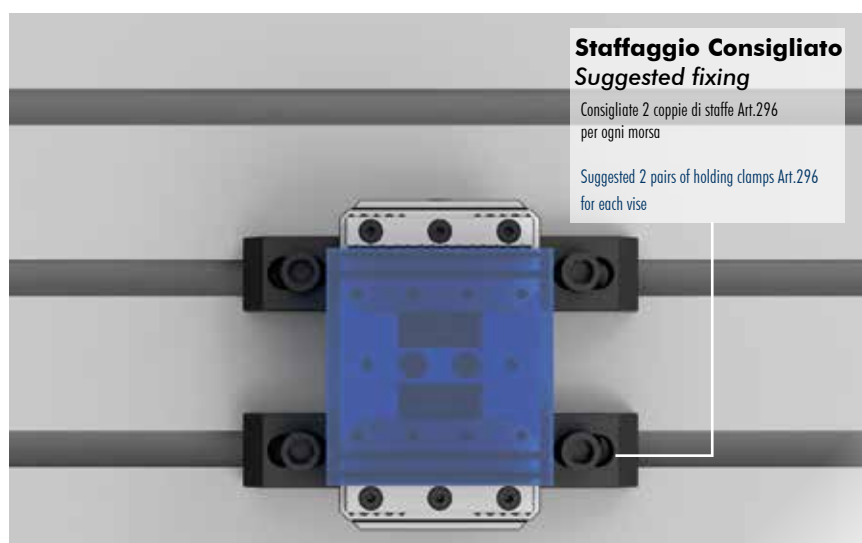


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm

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

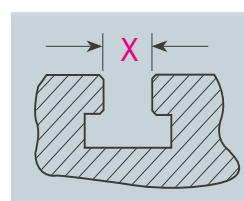
Also with code: 2.29.6100 X=18mm



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

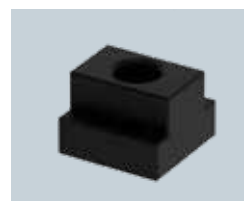


Cava a T

T Slot

Specificare sempre la cava
della vostra macchina

Always specify the
machine T-slot dimension

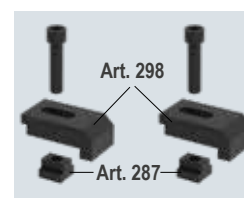


Art.287 (Pag.4.34)

Dadi a T - T Nuts

Per fissaggio morse alle
cave a T della macchina

For vise clamping on the
machine T-slots



Art.296

(Art.298 + Art.287)

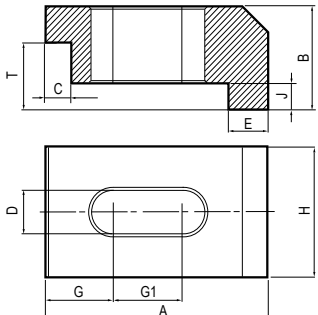
Consigliate 2 coppie di staffe Art.296
per ogni morsa

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

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		
	€	45			45			45		

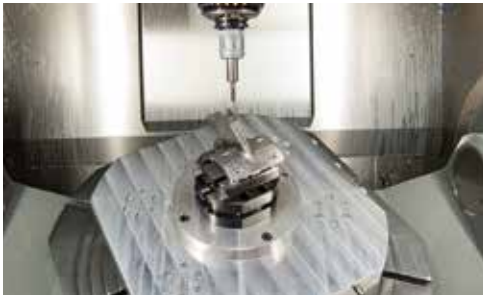
* Scelta consigliata - Suggested choice

* Scelta NON consigliata - NO Suggested choice

Soluzioni personalizzate / Customized solutions

4th & 5th Axis

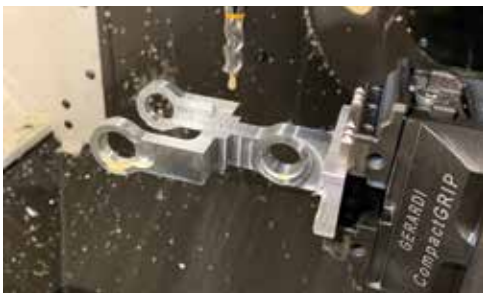
Soluzioni personalizzate a tutti i vostri problemi di serraggio
Customized solutions for all your clamping problems



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

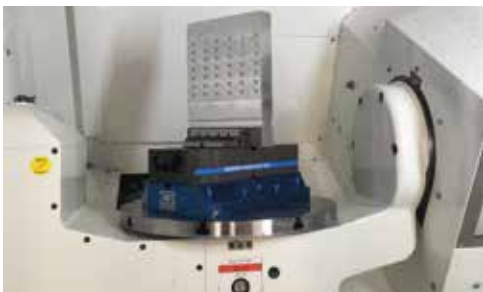
Typical Multitasking vise Art.640 type 2 application on a 5 axis machine for aerospace workpiece



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
€	1.858	2.285

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
€	588	620	640

 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
€	588	620	753

 Kit di fissaggio e allineamento morsa **incluso** - Vise fixing and alignment kit **included**
Art. 645B

 Ganascia dolce
 Soft jaw

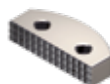

Cod.	6.64.5B100	6.64.5B200
€	102	122

Art. 645C

 Ganascia liscia
 Smooth jaw

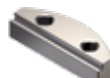
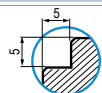

Cod.	6.64.5C100	6.64.5C200
€	102	122

Art. 645D

 Ganascia zigrinata
 Serrated jaw


Cod.	6.64.5D100	6.64.5D200
€	102	122

Art. 645E

 Ganascia a gradino
 Step jaw


Cod.	6.64.5E100	6.64.5E200
€	115	134

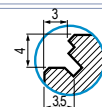
In Dotazione - Standard Equipment

Art. 645F

 Ganascia prismatica
 Prismatic jaw


Cod.	6.64.5F100	6.64.5F200
€	129	146

Art. 645T

 Ganascia GRIP
 GRIP jaw


Cod.	6.64.5T100	6.64.5T200
€	129	146

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:

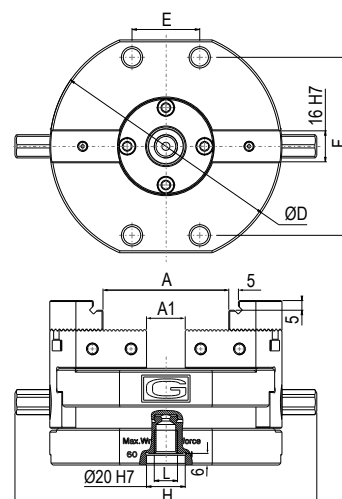
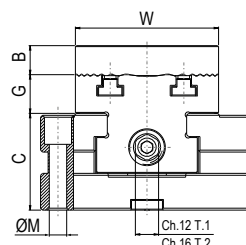
- 1 esagonal wrench Art. 375 ■ 1 workshop Art. 370
- 1 pair of positioning key-nuts Art. 297
- 1 calibrated centering pin Art. 640P*

*(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)


Tipo (grandezza) morsa Vise type (size)		3
		30 kN
Art. 640 Morsa autocentrante o eccentrica. Azionamento manuale. Serraggio meccanico	Tipo / Type 3 x 166	
	A	108
	A1	20
	W	138
	B	30
	C	58
	D	166
	E	-
	kg	13
	Cod.	7.64.03166
		€ 2.658

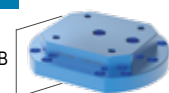

 Self-centering or eccentric vise.
 Manual operation
 Mechanical clamping

Tipo (grandezza) morsa Vise type (size)		3
		30 kN
Art. 640 Morsa autocentrante o eccentrica. Azionamento manuale. Serraggio meccanico	Tipo / Type 3 x 266	
	A	208
	A1	60
	W	138
	B	30
	C	58
	D	266
	E	200
	kg	20
	Cod.	7.64.03266
		€ 2.785

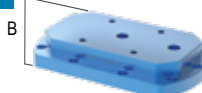

 Self-centering or eccentric vise.
 Manual operation
 Mechanical clamping

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 641H		B	50	75	100
Tipo / Type 3 x 166		Cod.	7.64.1H3166AL /50	7.64.1H3166AL /75	7.64.1H3166AL /100
Rialzo Semplice Simple Riser		€	680	726	769


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

Art. 641H		B	50	75	100
Tipo / Type 3 x 266		Cod.	7.64.1H3266AL /50	7.64.1H3266AL /75	7.64.1H3266AL /100
Rialzo Semplice Simple Riser		€	1.047	1.106	1.167


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

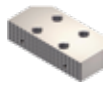
Art. 645B		
Ganascia dolce Soft jaw		Cod. 7.64.5B300
		€ 159



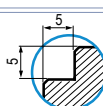
Art. 645C		
Ganascia liscia Smooth jaw		Cod. 7.64.5C300
		€ 159



Art. 645D		
Ganascia zigrinata Serrated jaw		Cod. 7.64.5D300
		€ 159



Art. 645E		
Ganascia a gradino Step jaw		Cod. 7.64.5E300
		€ 171

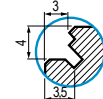


In Dotazione - Standard Equipment

Art. 645F		
Ganascia prismatica Prismatic jaw		Cod. 7.64.5F300
		€ 185



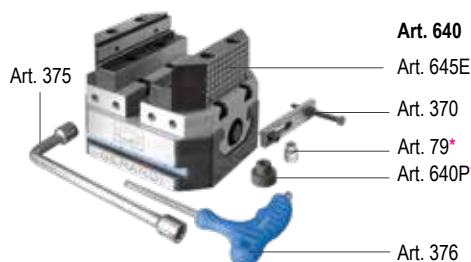
Art. 645T		
Ganascia GRIP GRIP jaw		Cod. 7.64.5T300
		€ 185



Dotazione standard:

- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- 1 arresto laterale Art. 370 ■ 1 perno calibrato per centraggio e orientamento Art. 79* ■ 1 perno calibrato per centraggio Art. 640P*

*(Indicare dimensione in fase d'ordine)



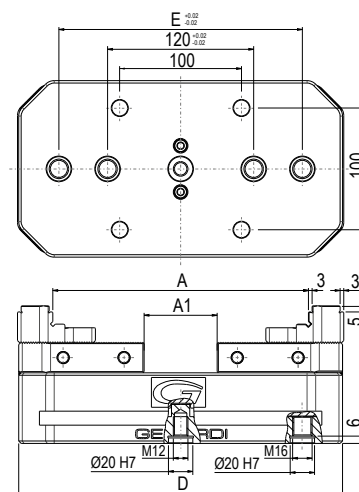
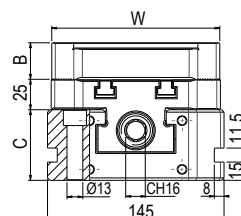
Standard equipment:

- 1 box wrench Art. 375 ■ 1 "T" wrench Art. 376
- 1 workstop Art. 370 ■ 1 calibrated centering and orientation pin Art. 79*
- 1 calibrated centering pin Art. 640P*

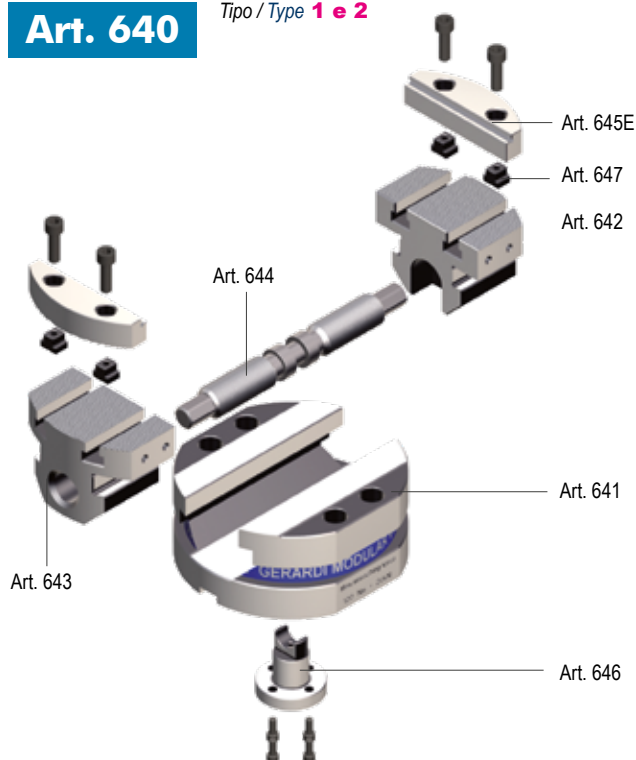
*(Dimension to be advised at order)

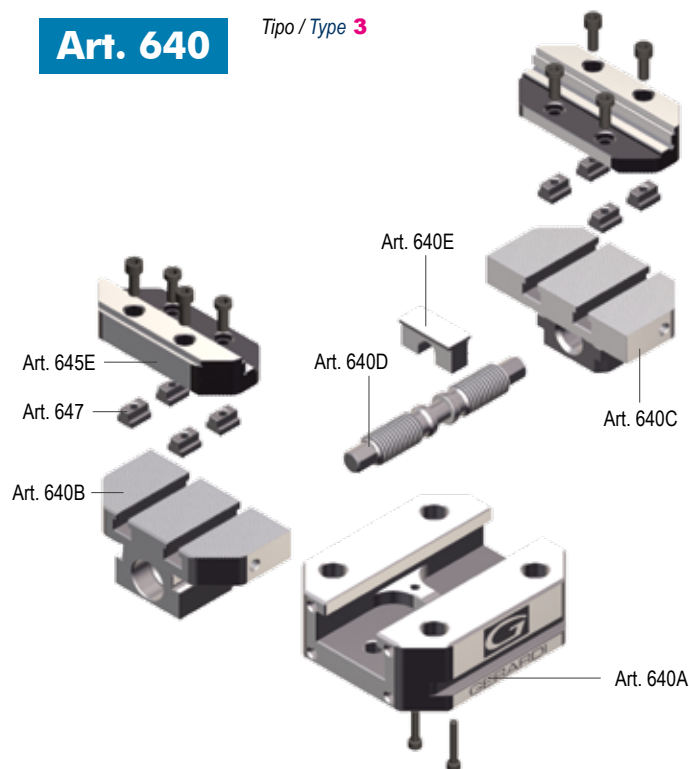
Art. 640

 Tipo / Type **3**

 Esempio di ordine: Art. 640 tipo 3 x 166
 (Art. 79 20mm + Art. 640P 40mm)
 Example of order: Art. 640 type 3 x 166
 (Art. 79 20mm + Art. 640P 40mm)


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	€ 564	660

Art. 642	Cod. 6.64.21000	6.64.22000
Slitta integrale destra Solid slide right hand	€ 278	379

Art. 643	Cod. 6.64.31000	6.64.32000
Slitta integrale sinistra Solid slide left hand	€ 278	379

Art. 644	Cod. 6.64.41000	6.64.42000
Vite di bloccaggio Main screw	€ 179	215

Art. 645E	Cod. 6.64.5E100	6.64.5E200
Ganascia a gradino Step jaw	€ 115	134

Art. 646	Cod. 6.64.61000	6.64.62000
Forcella Yoke	€ 192	253

Art. 647	Cod. 6.64.71000	6.64.72000
Dado a T (Cad.) T nut (Each)	€ 18	18

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

Art. 640A	Cod. 7.64.0A3166	7.64.0A3266
Corpo base Base body	€ 779	904

Art. 640B	Cod. 7.64.0B3166	7.64.0B3266
Slitta integrale sinistra Solid slide left hand	€ 453	478

Art. 640C	Cod. 7.64.0C3166	7.64.0C3266
Slitta integrale destra Solid slide right hand	€ 453	478

Art. 640D	Cod. 7.64.0D3166	7.64.0D3266
Vite di bloccaggio Main screw	€ 254	264

Art. 640E	Cod. 7.64.0E3166	7.64.0E3266
Forcella Yoke	€ 278	278

Art. 645E	Cod. 7.64.5E300	
Ganascia a gradino Step jaw	€ 171	

Art. 647	Cod. 7.64.73000	
Dado a T (Cad.) T nut (Each)	€ 21	

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

Tipo (grandezza) / Type (size)		1	2	3
	B	15	20	30
	Y	27,5	32,5	50
	W	74	99	138
Art. 645B*				
Ganascia dolce Soft jaw				
	K	20	30	50
	X	27,5	42,5	-
	Cod.	6.64.5B100	6.64.5B200	7.64.5B300
€	102	122	159	
Art. 645C*				
Ganascia liscia Smooth jaw				
	Cod.	6.64.5C100	6.64.5C200	7.64.5C300
	€	102	122	159
	Art. 645D*			
Ganascia zigrinata Serrated jaw				
	Cod.	6.64.5D100	6.64.5D200	7.64.5D300
	€	102	122	159
	Art. 645E*			
Ganascia a gradino Step jaw				
	Cod.	6.64.5E100	6.64.5E200	7.64.5E300
	€	115	134	171
	In Dotazione Standard Equipment			
Art. 645F*				
Ganascia prismatica Prismatic jaw				
	ØA	7 ÷ 15	9 ÷ 20	12 ÷ 30
	ØM	25 ÷ 70	35 ÷ 110	50 ÷ 160
	Cod.	6.64.5F100	6.64.5F200	7.64.5F300
€	129	146	185	
Art. 645T*				
Ganascia GRIP Jaw				
	Cod.	6.64.5T100	6.64.5T200	7.64.5T300
	€	129	146	185
	Art. 645U*			
Ganascia a gradino Step jaw				
	Cod.	6.64.5U100	6.64.5U200	7.64.5U300
	€	129	146	185

* Viti per fissaggio a richiesta €15 Fixing screws on request €15

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
	€	-	-	19
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	-	-
	€	34	-	-
Art. 640P				
Perno calibrato per centraggio Calibrated centering pin				
	ØB	30 - 38,1 - 50 - 50,8	-	-
	Cod.	7.64.0P100	7.64.0P200	7.64.0P300
	€	28	34	40

* Specificare sempre quota B - Specify always B dimension

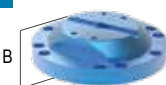
Tipo (grandezza) morsa / Vise type (size)		1	2
		20 kN	26 kN
Art. 640J Morsa autocentrante o eccentrica. Azionamento manuale. Serraggio meccanico	Ø A	30 ÷ 45	45 ÷ 70
	W	74	99
	B	60	80
	C	50	70
	D	Ø120	Ø160
	E	35	35
	F	92	120
	G	30	40
	H	156	208
	L	M12	M16
	M	Ø9	Ø11
	kg	5	10
	Cod.	7.64.0J100	7.64.0J200
	€	1.919	2.347



Self-centering or eccentric vise.
Manual operation
Mechanical clamping

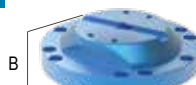
AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

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	€	588	620	640



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	€	588	620	753



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

Art. 655B	Cod.	7.65.5B100	7.65.5B200
Piastra ganaschia dolce Soft jaw-plate	€	79	90



Art. 655C	Cod.	7.65.5C100	7.65.5C200
Piastra ganaschia liscia Smooth jaw-plate	€	90	102



Art. 655D	Cod.	7.65.5D100	7.65.5D200
Piastra ganaschia zigrinata Serrated jaw-plate	€	90	102



Art. 655F	Ø	10 ÷ 18	10 ÷ 30
Piastra ganaschia prismatica Prismatic jaw-plate	Cod.	7.65.5F118	7.65.5F230
	Ø	15 ÷ 23 * 23 ÷ 30	25 ÷ 45
	Cod.	7.65.5F123	7.65.5F245
	€	102	115



* 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		30 ÷ 45	45 ÷ 70
Coppia di ganasce integrali prismatiche Prismatic solid jaws (1 pair)	Cod.	7.65.5J100	7.65.5J200
	€	467	592



Da usare in coppia / To be used as a pair

In Dotazione - Standard Equipment

Dotazione standard:

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

*(Indicare dimensione in fase di ordine)

Art. 655J



Art. 297
Art. 640P
Art. 655F (Ø min)
Art. 655F (Ø max)
Art. 655B
Art. 375
Art. 370

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*

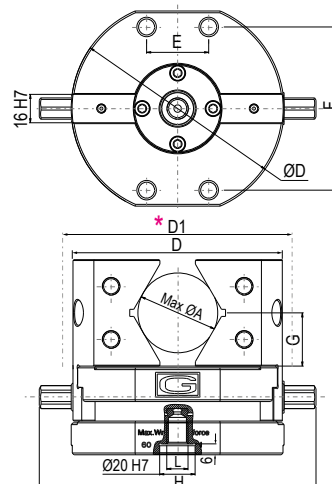
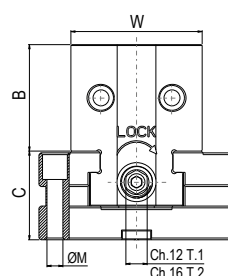
*(Dimension to be advised at order)

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



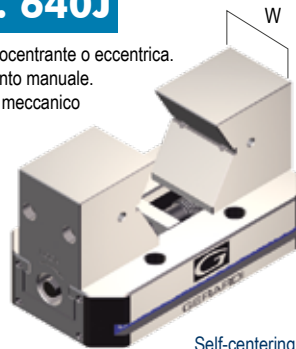
Self-centering or eccentric vise.
Manual operation
Mechanical clamping

	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
€		2.909

Tipo (grandezza) morsa
Vise type (size)

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

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



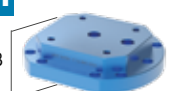
Self-centering or eccentric vise.
Manual operation
Mechanical clamping

	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
€		3.035

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

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

Rialzo Semplice
Simple Riser

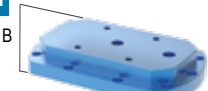


B	50	75	100
Cod.	7.64.1H3166AL /50	7.64.1H3166AL /75	7.64.1H3166AL /100
€	680	726	769

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
€	1.047	1.106	1.167

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

Art. 655B

Piastra ganascia dolce
Soft jaw-plate



Cod. 7.65.5B316

€ **102**

Art. 655C

Piastra ganascia liscia
Smooth jaw-plate



Cod. 7.65.5C316

€ **115**

Art. 655D

Piastra ganascia zigrinata
Serrated jaw-plate



Cod. 7.65.5D316

€ **115**

Art. 655F

Piastra ganascia prismatica
Prismatic jaw-plate



Tipo / Type	3 x 166	3 x 266	3 x 166	3 x 266
Ø Min / Ø Max	12 ÷ 32	14 ÷ 34	16 ÷ 36	18 ÷ 45
Cod	7.65.5F330	7.65.5F335	7.65.5F345	7.65.5F350
€	129			

Art. 655J

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

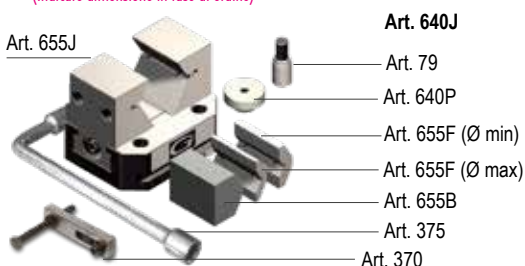


Da usare in coppia / To be used as a pair

Ø	44 ÷ 68	48 ÷ 102
Cod.	7.65.5J316	7.65.5J326
€	716	742

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)

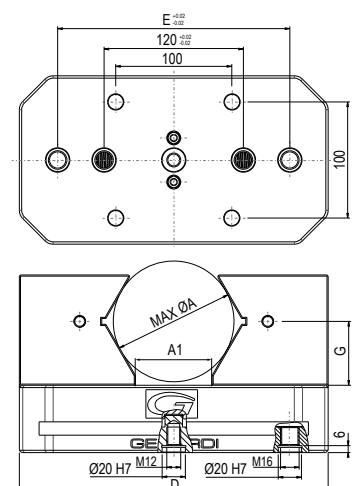
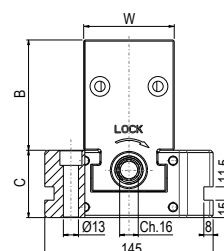


- Standard equipment:
- 1 box wrench Art. 375 ■ 1 workstop Art. 370
 - 2 pair of plates Art. 655F (Tot. 4 pcs) ■ 1 pair soft jaw plates Art. 655B
 - 1 calibrated centering and orientation pin Art. 79* ■ 1 calibrated centering pin Art. 640P*
- *(Dimension to be advised at order)

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

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

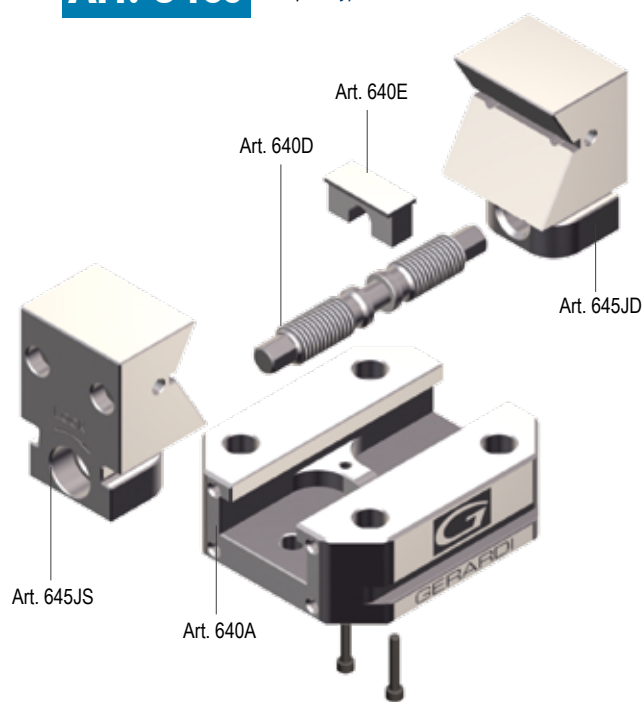
Example of order: Art. 640J type 3 x 266
(Art. 79 20mm + Art. 640P 30mm)



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	€ 564	660

Art. 644	Cod. 6.64.41000	6.64.42000
Vite di bloccaggio Main screw	€ 179	215

Art. 646	Cod. 6.64.61000	6.64.462000
Forcella Yoke	€ 192	253

Art. 645JS*	Cod. 7.64.5JS10	7.64.5JS20
Ganascia integrale prismatica sx Solid prismatic left jaw	€ 235	296

Art. 645JD*	Cod. 7.64.5JD10	7.64.5JD20
Ganascia integrale prismatica dx Solid prismatic right jaw	€ 235	296

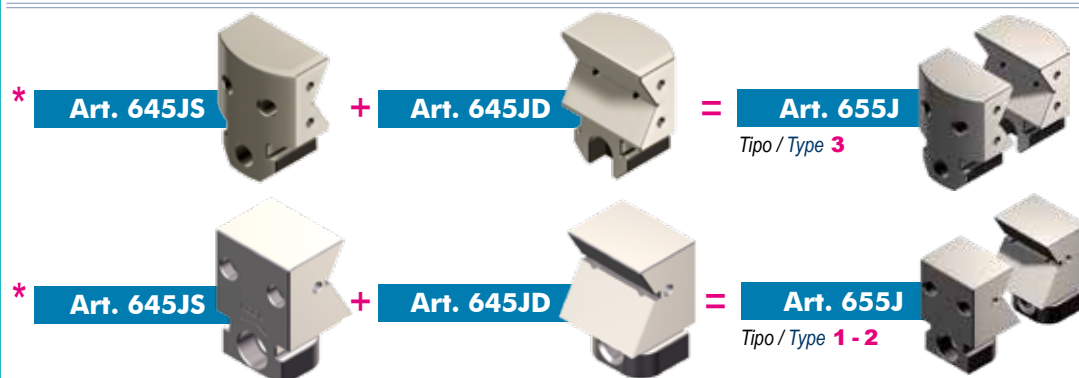
Tipo (grandezza) / Type (size)	3x166	3x266
Art. 640A	Cod. 7.64.0A3166	7.64.0A3266
Corpo base Base body	€ 779	904

Art. 640D	Cod. 7.64.0D3166	7.64.0D3266
Vite di bloccaggio Main screw	€ 254	264

Art. 640E	Cod. 7.64.0E3166	7.64.0E3266
Forcella Yoke	€ 278	278

Art. 645JD*	Cod. 7.64.5JD316	7.64.5JD326
Ganascia integrale prismatica dx Solid prismatic right jaw	€ 357	370

Art. 645JS*	Cod. 7.64.5JS316	7.64.5JS326
Ganascia integrale prismatica sx Solid prismatic left jaw	€ 357	370



GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.640J

JAWS & JAW PLATES FOR MULTITASKING VISES Art.640J

Tipo (grandezza) / Type (size)	1	2	3	
Art. 655J				
Tipo / Type 1-2				
Coppia di ganasce integrali prismatiche Prismatic solid jaws (1 pair)				
	W 74 K 60 X 49 Ø 30 ÷ 45 Cod. 7.65.5J100 € 467	99 80 59 45 ÷ 70 Cod. 7.65.5J200 € 592	78 75 59 44 ÷ 68 Cod. 7.65.5J316 € 716	78 95 95 48 ÷ 102 Cod. 7.65.5J326 € 742

In Dotazione - Standard Equipment

Art. 655J				
Tipo / Type 3				

In Dotazione - Standard Equipment

Art. 655B				
Piastra ganascia dolce Soft jaw-plate				
	K 55 X 38 Cod. 7.65.5B100 € 79	70 54 Cod. 7.65.5B200 € 90	60 49 Cod. 7.65.5B316 € 102	

Art. 655C				
Piastra ganascia liscia Smooth jaw-plate				
	K 55 X 23 Cod. 7.65.5C100 € 90	70 32 Cod. 7.65.5C200 € 102	60 24 Cod. 7.65.5C316 € 115	

Art. 655D				
Piastra ganascia zigrinata Serrated jaw-plate				
	K 55 X 23 Cod. 7.65.5D100 € 90	70 32 Cod. 7.65.5D200 € 102	60 24 Cod. 7.65.5D316 € 115	

Tipo (grandezza) / Type (size)	1	2	3x166	3x266
Art. 655F				
Piastra ganascia prismatica Prismatic jaw-plate				
	K 43 X 17 Ø 10 ÷ 18 Cod. 7.65.5F118 Ø 15 ÷ 23 - 23 ÷ 30 * Cod. 7.65.5F123 Ø - Cod. - Ø - Cod. - € 102	54 22 10 ÷ 30 Cod. 7.65.5F230 25 ÷ 45 Cod. 7.65.5F245 - Cod. - - Cod. - € 115	60 24 12 ÷ 32 14 ÷ 34 16 ÷ 36 18 ÷ 45 Cod. 7.65.5F350 € 129	60 24 12 ÷ 38 12 ÷ 38 16 ÷ 58 24 ÷ 65 Cod. 7.65.5F330 Cod. 7.65.5F335 Cod. 7.65.5F345 Cod. 7.65.5F350 € 129

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

Tipo (grandezza) / Type (size)	1	2	3
Art. 79			
Perno calibrato per centraggio e orientamento Calibrated centering and orientation pin			
	ØB - Cod. - € -	- - -	10-12-14-16-18-20 Cod. 7.79.20M16/ØB € 19

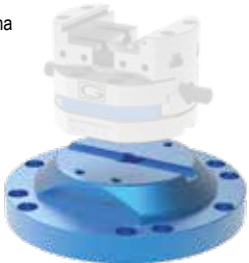
Art. 297			
Coppia di tasselli di posizionamento completi di vite M5 x 10 Pair of positioning key-nuts with M5 x 10 clamping screw			
	B 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36 Cod. 2.29.71000/B € 34	- - -	- - -

Art. 640P			
Perno calibrato per centraggio Calibrated centering pin			
	ØB 30 - 38,1 - 50 - 50,8 Cod. 7.64.0P100 € 28	7.64.0P200 € 34	7.64.0P300 € 40

* Specificare sempre quota B - Specify always B dimension

RIALZI IN ALLUMINIO PER MORSE ART.640

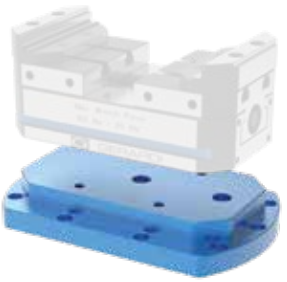
ALUMINUM RISERS FOR VISES ART.640

Tipo (grandezza) rialzo Riser type		1			2		
Art. 641H Tipo / Type 1 e 2 Rialzo semplice, compatibile con il sistema Zero Point  Simple riser Zero Point ready	ØA	120			160		
	B	50	75	100	50	75	100
	kg	3	4,5	5,4	3,5	4,9	6,4
	Cod.	7.64.1H100AL/050	7.64.1H100AL/075	7.64.1H100AL/100	7.64.1H200AL/050	7.64.1H200AL/075	7.64.1H200AL/100
	€	588	620	640	588	620	753

 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 Rialzo semplice, compatibile con il sistema Zero Point  Simple riser Zero Point ready	A	166		
	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
	€	680	726	769

 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 Rialzo semplice, compatibile con il sistema Zero Point  Simple riser Zero Point ready	A	266		
	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
	€	1.047	1.106	1.167

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

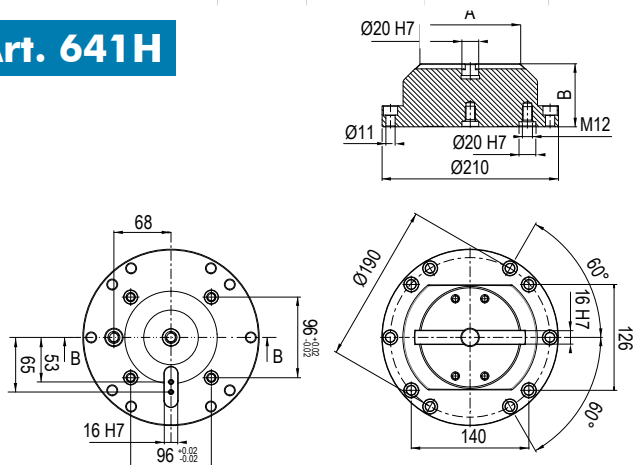
PIASTRE di INTERFACCIA

INTERFACE PLATES

Tipo (grandezza)
Riser (type) size

1 e 2

Art. 641H



Tipo (grandezza)
Riser (type) size

1 e 2

Art. 62M

Multitasking

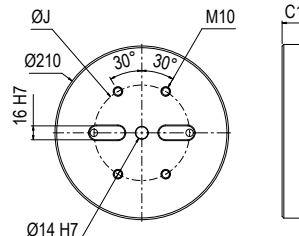
Piastra di interfaccia lavorabile
Machineable interface plate

ØJ 190
C1 28

Cod. 62M641H1000S

€ 303

Personalizzazione non inclusa - Customization not included

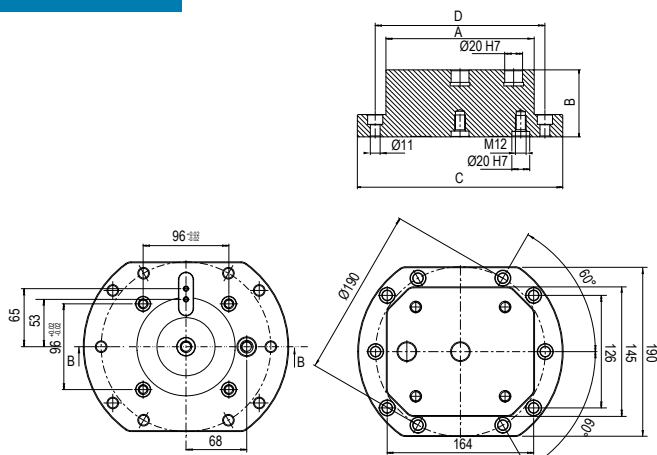


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza)
Riser (type) size

3 x 166

Art. 641H



Tipo (grandezza)
Riser (type) size

3 x 166

Art. 62M

Multitasking

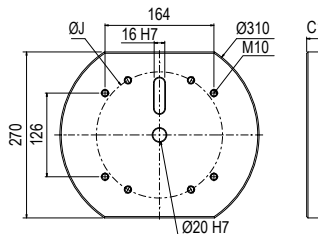
Piastra di interfaccia lavorabile
Machineable interface plate

ØJ 190
C1 28

Cod. 62M641H3166S

€ 341

Personalizzazione non inclusa - Customization not included

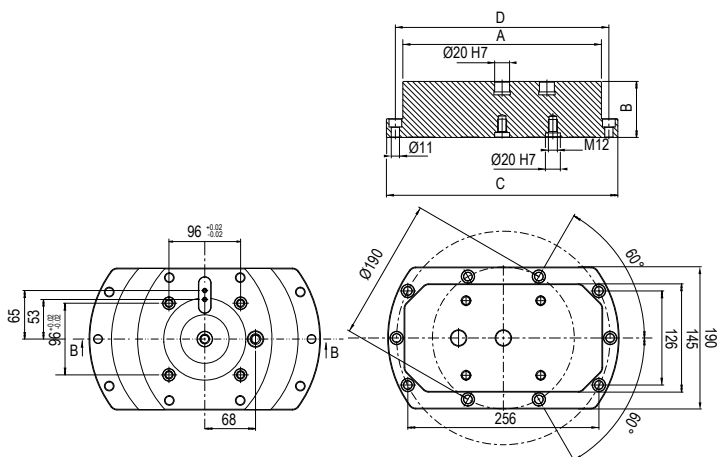


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza)
Riser (type) size

3 x 266

Art. 641H



Tipo (grandezza)
Riser (type) size

3 x 266

Art. 62M

Multitasking

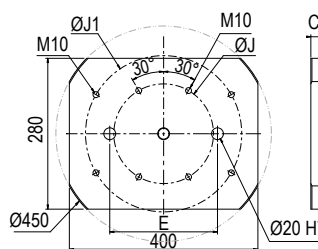
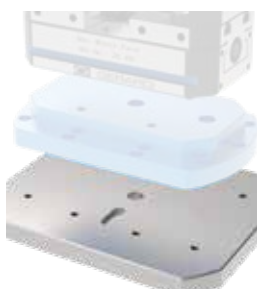
Piastra di interfaccia lavorabile
Machineable interface plate

ØJ 260
C1 28

Cod. 62M641H3266S

€ 524

Personalizzazione non inclusa - Customization not included

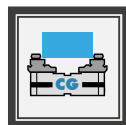


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

MORSE COMPACT GRIP

COMPACT GRIP VISES

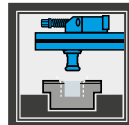
Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



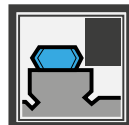
Morse Compact Grip
Compact Grip vises



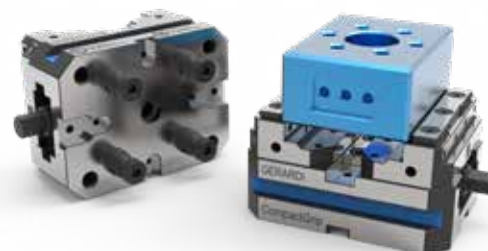
lavorazioni a 5 assi
5 axis machining



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.

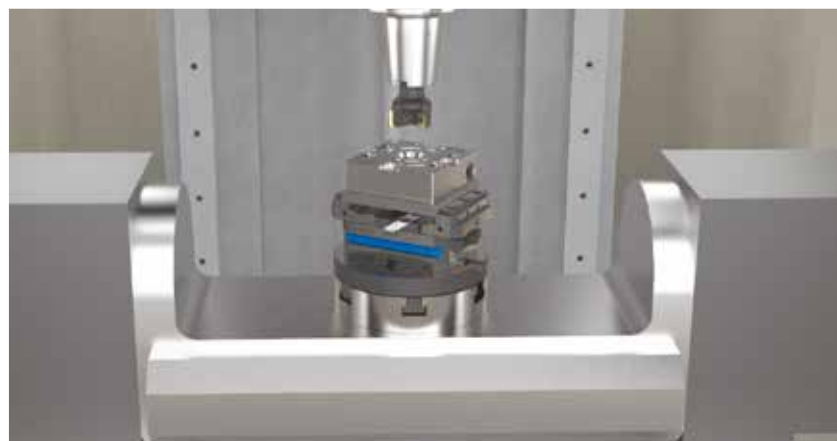
The absolute news for 5 axis machine centres and new multiclamping system are the self-centering Compact Grip vises. Their name identifies the main vise features which are the extreme compactness and easiest handling and the system of inserts which adopts, so called "GRIP". This system includes a range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



Aperture Morse / Opening vise range

Scansiona il QR code e scarica la tabella con tutte le aperture delle morse CompactGrip

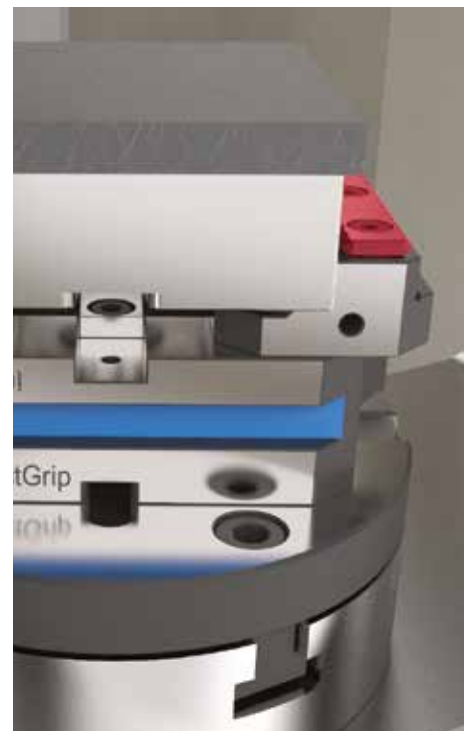
Scan the QR code to download the chart with all vise jaws opening



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.

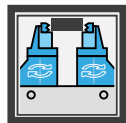


Tramite il gradino liscio della ganascia si rimuove il sovrametallo rimanente e si finisce il particolare.
Then through the smooth jaw step you can remove the remaining stock allowance from the workpiece and finish the workpiece.

MORSE FMS

FMS VISES

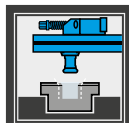
Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



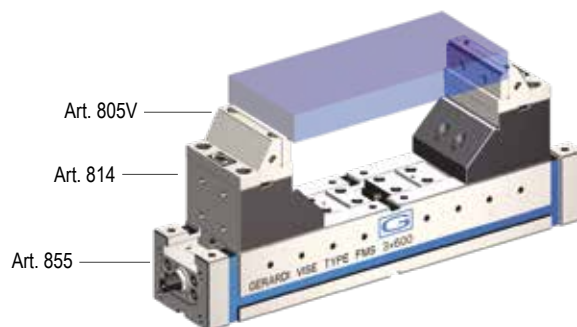
Ganasce alte e rialzate
High and raised jaws



lavorazioni a 5 assi
5 axis machining



Predisposizione
Zero Point
Zero Point ready



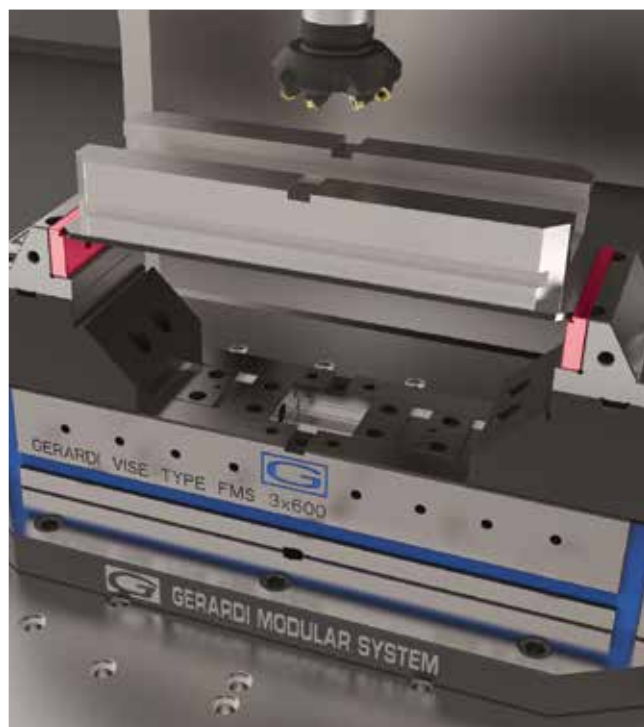
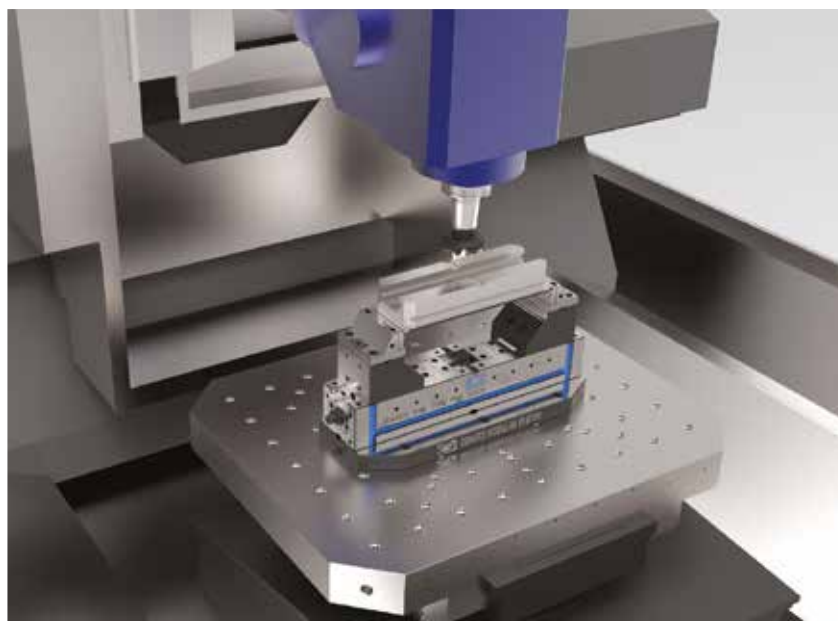
Art.868 FMS series

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

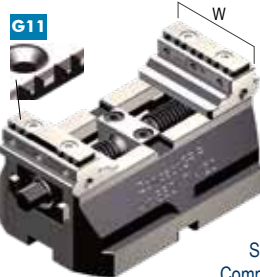


Dettaglio serraggio tramite piastrina GRIP Art.247T
Detail of clamping by GRIP jaw plate Art.247T

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

Tipo / Type **1x120**

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

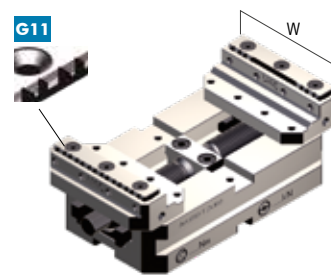


Self-centering CompactGrip vise with reversible jaws, Ideal for five axis centres.

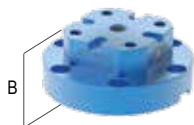
A	54	94	134
W	50	50	50
E	80	120	160
kg	1,9	2,7	3,4
Cod.	7.65.01080	7.65.01120	7.65.01160

€	777	897	1.015
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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
€	437	539	654

Art. 651H

Tipo / Type **2**
Rialzo Semplice
Simple Riser

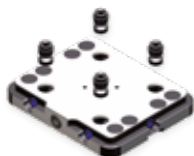


Kit di fissaggio e allineamento morsa **incluso** - Vise fixing and alignment kit **included**

Kit di fissaggio e allineamento morsa **incluso**

Art. 660

Interasse / Type **52 mm**
Piastra cambio rapido
Quick change plate

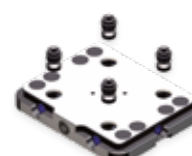


Cod.	9.66.05200
€	787

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

Art. 660

Interasse / Type **52 mm**
Piastra cambio rapido
Quick change table



Vedi gamma completa Pag. 7.32 / 7.33

Art. 650X

Ganascia fissa intermedia
Intermedie fixie jaw



Cod.	7.65.0X1000
€	171

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. 650X

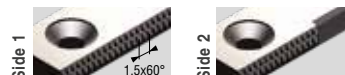
Ganascia fissa intermedia
Intermedie fixie jaw


Art. 650T G01

Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 1,5mm)



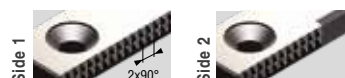
Cod.	7.65.0T1000/G01
€	41


Art. 650T G02

Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 2mm)



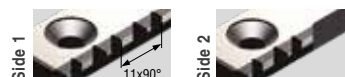
Cod.	7.65.0T1000/G02
€	41


Art. 650T G11

Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 11mm)

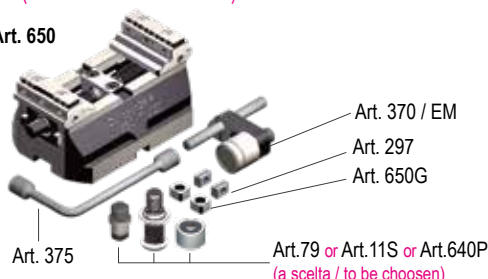


Cod.	7.65.0T1000/G11
€	41



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


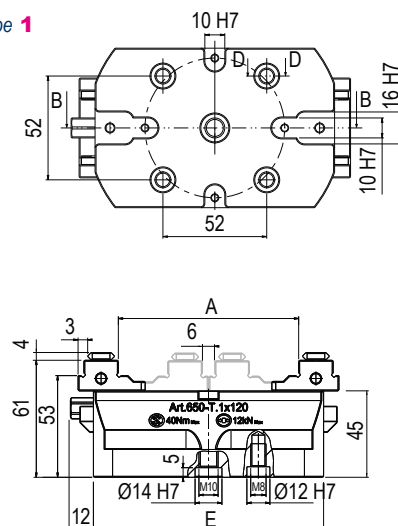
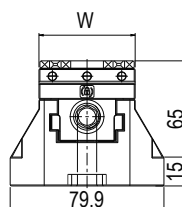
Standard equipment:

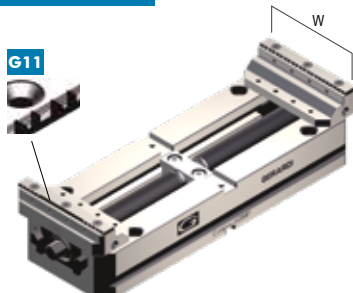
- 1 box wrench Art.375 ■ 1 workshop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
- 2 positioning key-nuts Art.650G* ■ 1 calibrated centering and orientation pin Art.79 or 1 pull stud for zero point Art.115 or 1 calibrated centering pin Art.640P*
- * (Dimension to be advised at order)

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
€	955	1.075	1.194	1.314						1.552	1.790	2.029	2.387	2.625

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

B	100				Art. 651H  Tipo / Type 3 Rialzo Semplice Simple Riser	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
€	654	654	654	820		769	769	1.167	1.207	1.398

Vise fixing and allignment kit included

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

Art. 660		Art. 660		Art. 660	
Cod.	9.66.05200	Interasse / Type 96 mm		9.66.09600	
€	787	Piastra cambio rapido Quick change table		1.133	

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

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

Cod.	7.65.0X2000		7.65.0X3000
€	199		221

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	Art. 650T G01	7.65.0T3000/G01
€	52	Per materiali di durezza normale For standard workpieces hardness clamping	81

Per materiali di durezza normale
For standard workpieces hardness clamping

Cod.	7.65.0T2000/G02	Art. 650T G02	7.65.0T3000/G02
€	52	Per materiali di notevole durezza For hardened workpieces clamping	81

Per materiali di notevole durezza
For hardened workpieces clamping

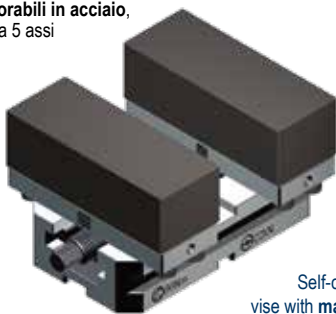
Cod.	7.65.0T2000/G11	Art. 650T G11	7.65.0T3000/G11
€	52	Per materiali teneri For soft material clamping	81

Art. 650T G11
Per materiali teneri
For soft material clamping

[illegible]

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
€	1.236	1.326	1.422	1.535

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
€	654	654	654	820

Art. 660

Interasse / Type **52 mm**

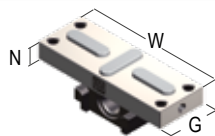
Piastra cambio rapido
Quick change plate

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



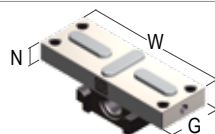
Cod.	9.66.05200
€	787

Art. 950B

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


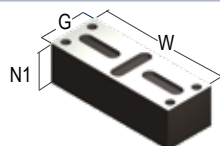
Cod.	7.95.0B2000
€	205

Art. 950C

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


Cod.	7.95.0C2000
€	205

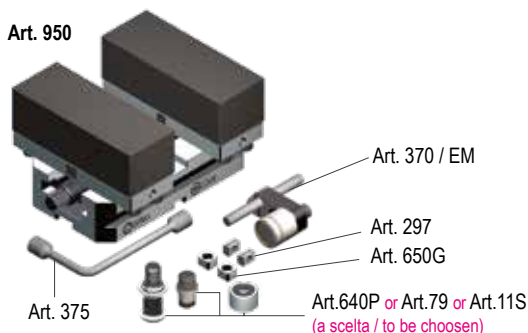
Art. 950D

Ganasce lavorabile in acciaio
Machineable steel jaw


Cod.	7.95.0D2000
€	75

Dotazione standard:

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

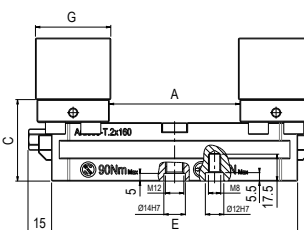
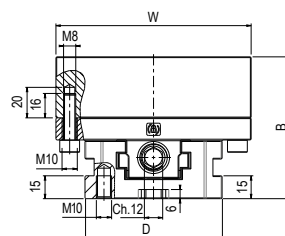
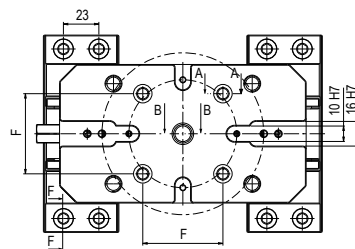
Art. 950


Standard equipment:

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

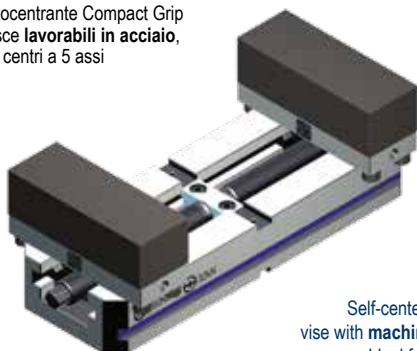
Art. 950

Tipo / Type **2**

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


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

	3				
	32 kN				
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
€	2.053	2.203	2.435	2.708	2.982

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
€	769	769	1.167	1.207	1.398

Art. 660

Interasse / Type **96 mm**

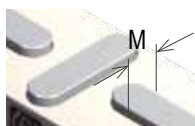
Piastra cambio rapido
Quick change plate

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



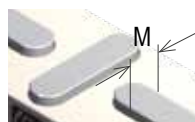
Cod.	9.66.09600				
€	1.133				

Art. 950B

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


Cod.	7.95.0B3000				
€	372				

Art. 950C

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


Cod.	7.95.0C3000				
€	372				

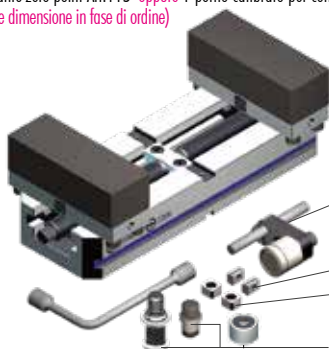
Art. 950D

Ganasce lavorabile in acciaio
Machineable steel jaw


Cod.	7.95.0D3000				
€	97				

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

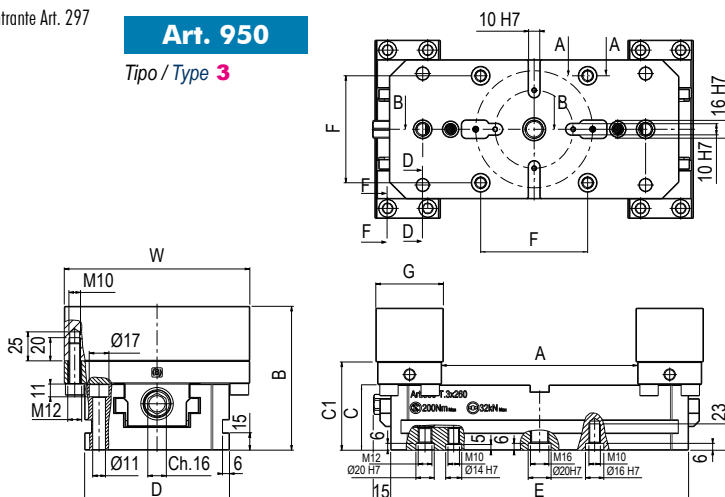
Art. 650G

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

Standard equipment:

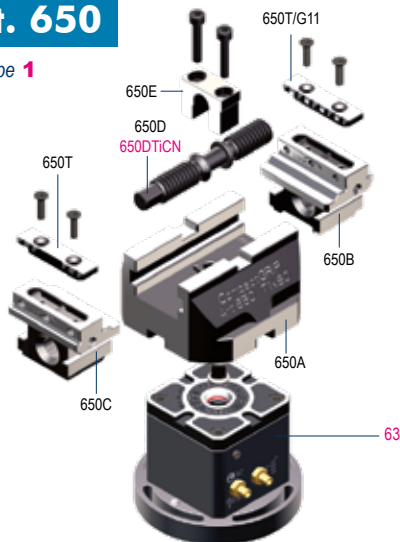
- 1 box wrench Art.375 ■ 1 workshop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
- 2 positioning key-nuts Art.650G* ■ 1 calibrated centering and orientation pin Art.79
- or 1 pull stud for zero point Art.11S or 1 calibrated centering pin Art.640P*
- * (Dimension to be advised at order)

Art. 950

Tipo / Type **3**


Art. 650

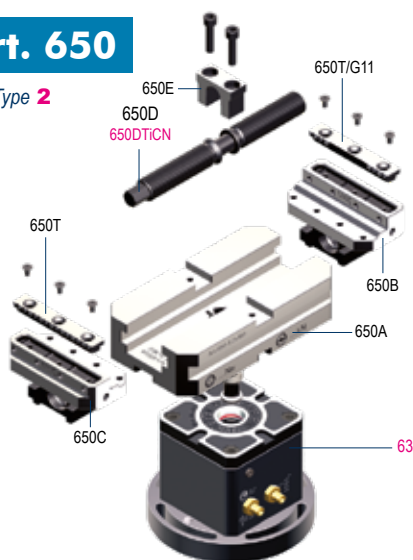
Tipo / Type 1



Tipo / Type 1		1x80	1x120	1x160
Art. 650A	Cod.	7.65.0A1080	7.65.0A1120	7.65.0A1160
Corpo base - Base body	€	402	462	522
Art. 650B	Cod.	7.65.0B1000		
Ganascia integrale destra Solid jaw right hand	€	140		
Art. 650C	Cod.	7.65.0C1000		
Ganascia integrale sinistra Solid jaw left hand	€	140		
Art. 650D	Cod.	7.65.0D1080	7.65.0D1120	7.65.0D1160
Vite di bloccaggio - Main screw	€	80	109	134
Art. 650DTiCN (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	€	100	142	174
Art. 650E	Cod.	7.65.0E1000		
Forcella - Yoke	€	38		
Tipo / Type		1	2	
Art. 63 (Optional)	Cod.	9.63.10000	9.63.20000	
Rialzo singolo con Zero Point Risers with ZeroPoint	€	1.222	2.066	

Art. 650

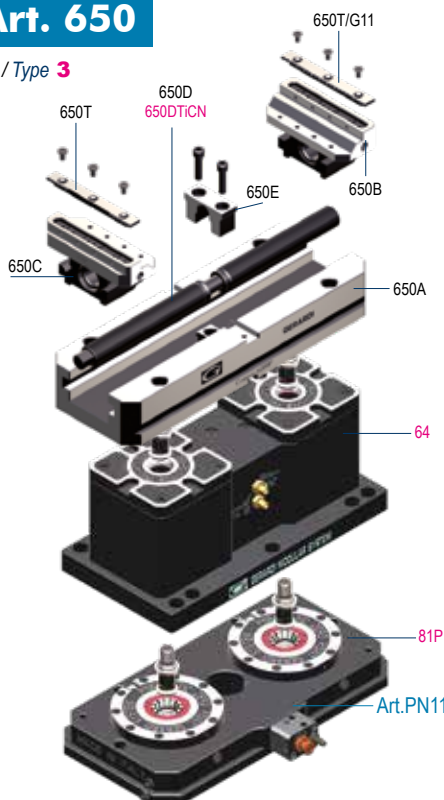
Tipo / Type 2



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	€	492	551	610	675
Art. 650B	Cod.	7.65.0B2000			
Ganascia integrale destra Solid jaw right hand	€	188			
Art. 650C	Cod.	7.65.0C2000			
Ganascia integrale sinistra Solid jaw left hand	€	188			
Art. 650D	Cod.	7.65.0D2120	7.65.0D2160	7.65.0D2200	7.65.0D2240
Vite di bloccaggio - Main screw	€	129	157	193	242
Art. 650DTiCN (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	€	164	205	261	317
Art. 650E	Cod.	7.65.0E2000			
Forcella - Yoke	€	50			
Tipo / Type		1	2		
Art. 63 (Optional)	Cod.	9.63.10000	9.63.20000		
Rialzo singolo con Zero Point Risers with ZeroPoint	€	1.222	2.066		

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	€	795	914	1.098	1.314	1.552
Art. 650B	Cod.	7.65.0B3000				
Ganascia integrale destra Solid jaw right hand	€	336				
Art. 650C	Cod.	7.65.0C3000				
Ganascia integrale sinistra Solid jaw left hand	€	336				
Art. 650D	Cod.	7.65.0D3160	7.65.0D3210	7.65.0D3260	7.65.0D3310	7.65.0D3360
Vite di bloccaggio - Main screw	€	163	193	242	301	360
Art. 650DTiCN (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	€	218	266	322	407	479
Art. 650E	Cod.	7.65.0E3000				
Forcella - Yoke	€	63				
Tipo / Type		1	2			
Art. 64 (Optional)	Cod.	9.64.10000	9.64.20000			
Rialzo doppio con Zero Point Double riser with Zero Point	€	1.941	3.448			

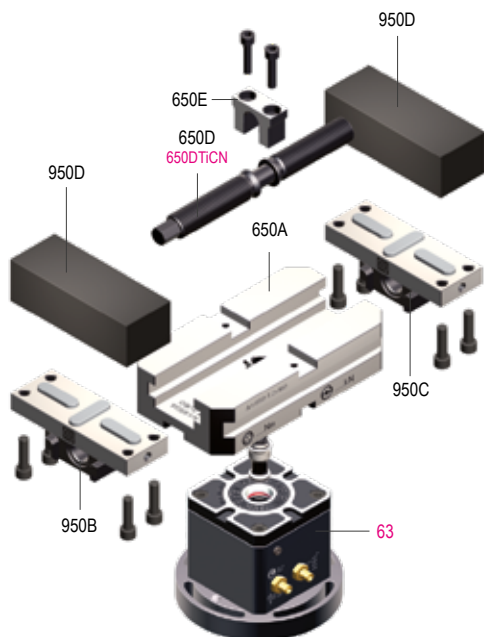
Non utilizzabile con morse tipo 3x160 - Impossible to use with vises type 3x160

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	Cod.	9.81.P2040S2	9.81.P2040A2
Zero Point connecting plate for CompactGrip vise Type 3	€	2.724	2.724

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

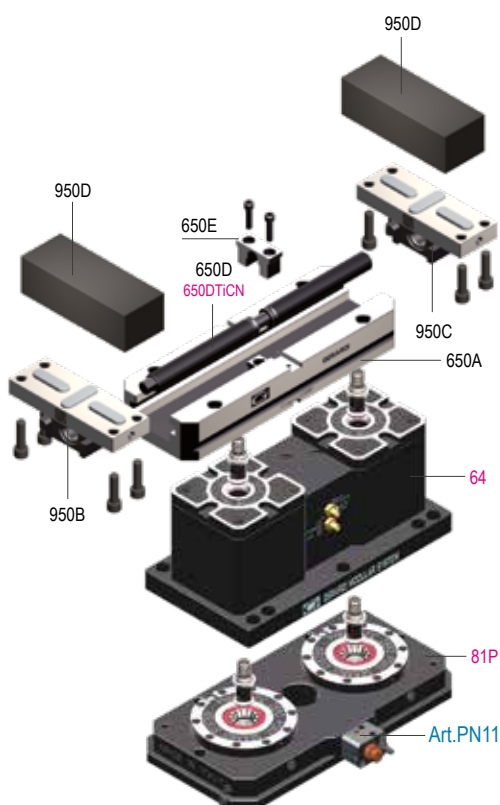
Art. 950

Tipo / Type **2**


Tipo / Type 2		2x120	2x160	2x200	2x240
Art. 650A	Cod.	7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Corpo base - Base body	€	492	551	610	675
Art. 950B	Cod.	7.95.0B2000			
Ganascia integrale destra Solid jaw right hand	€	205			
Art. 950C	Cod.	7.95.0C2000			
Ganascia integrale sinistra Solid jaw left hand	€	205			
Art. 650D	Cod.	7.65.0D2120	7.65.0D2160	7.65.0D2200	7.65.0D2240
Vite di bloccaggio - Main screw	€	129	157	193	242
Art. 650DTiCN (Optional)	Cod.	7.65.0D2120 -TCN	7.65.0D2160 -TCN	7.65.0D2220 -TCN	7.65.0D2240 -TCN
Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	€	164	205	261	317
Art. 650E	Cod.	7.65.0E2000			
Forcella - Yoke	€	50			
Art. 950D	Cod.	7.95.0D2000			
Ganascia lavorabile in acciaio Machineable steel jaw	€	75			

Tipo / Type		1	2
Art. 63 (Optional)	Cod.	9.63.10000	9.63.20000
Rialzo singolo con Zero Point Risers with ZeroPoint	€	1.222	2.066

Art. 950

Tipo / Type **3**


Tipo / Type 3		3x160	3x210	3x260	3x310	3x360
Art. 650A	Cod.	7.65.0A3160	7.65.0A3210	7.65.0A3260	7.65.0A3260	7.65.0A3360
Corpo base - Base body	€	795	914	1.098	1.314	1.552
Art. 950B	Cod.	7.95.0B3000				
Ganascia integrale destra Solid jaw right hand	€	372				
Art. 950C	Cod.	7.95.0C3000				
Ganascia integrale sinistra Solid jaw left hand	€	372				
Art. 650D	Cod.	7.65.0D3160	7.65.0D3210	7.65.0D3260	7.65.0D3310	7.65.0D3360
Vite di bloccaggio - Main screw	€	163	193	242	301	360
Art. 650D TiCN (Optional)	Cod.	7.65.0D3160 -TCN	7.65.0D3210 -TCN	7.65.0D3260 -TCN	7.65.0D3310 -TCN	7.65.0D3360 -TCN
Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	€	218	266	322	407	479
Art. 650E	Cod.	7.65.0E3000				
Forcella - Yoke	€	63				
Art. 950D	Cod.	7.95.0D3000				
Ganascia lavorabile in acciaio Machineable steel jaw	€	97				

Tipo / Type		1	2
Art. 64 (Optional)	Cod.	9.64.10000	9.64.20000
Rialzo doppio con Zero Point Double riser with Zero Point	€	1.941	3.448

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	Cod.	9.81.P2040S2
	€	2.724

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

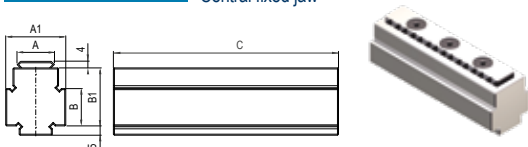
Tipo (grandezza) / Type (size)		1	2	3
	Art. 650S LISCIA + RUVIDA SMOOTH + ROUGH Per materiali teneri e lavorazioni finali For soft material clamping and final machining	 Side 1	 Side 2	Cod. 7.65.0S1000 7.65.0S2000 7.65.0S3000 € 81 81 81
	Art. 650R *CODA DI RONDINE DOVE TAIL Miglior presa pezzo Best workpiece clamping	 Side 1	 Side 2	Cod. 7.65.0R1000 7.65.0R2000 7.65.0R3000 € 36 36 36
	*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	 Side 1	 Side 2	Cod. 7.65.0T1000/G01 7.65.0T2000/G01 7.65.0T3000/G01 € 41 52 81
	Art. 650T G02 GRIP (Passo - Pitch 2mm) Per materiali di notevole durezza For hardened workpieces clamping	 Side 1	 Side 2	Cod. 7.65.0T1000/G02 7.65.0T2000/G02 7.65.0T3000/G02 € 41 52 81
	Art. 650T G11 GRIP (Passo - Pitch 11mm) Per materiali teneri For soft material clamping	 Side 1	 Side 2	Cod. 7.65.0T1000/G11 7.65.0T2000/G11 7.65.0T3000/G11 € 41 52 81

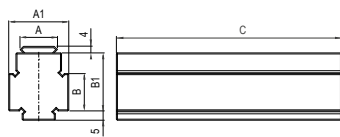
PIASTRINA FRONTALE

FRONTAL JAW PLATE

GANASCIA FISSA CENTRALE PER MORSE COMPACT GRIP Art.650

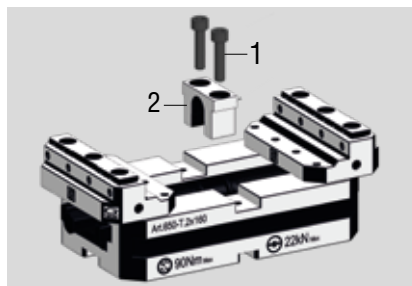
CENTRAL FIXED JAW FOR COMPACT GRIP VISES Art.650

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
€	171	199	221	



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

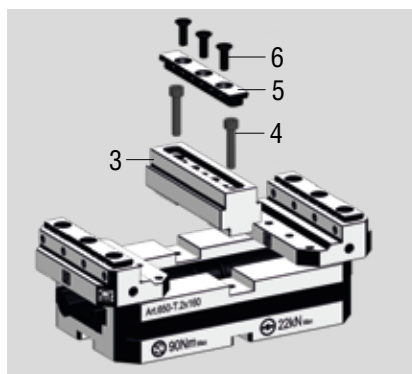
In fase d'ordine specificare il tipo di inserto - In case of order always specify the type of insert



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

Tipo (grandezza) / Type (size)		1	2	3
	Art. 650V LISCE - SMOOTH Materiali teneri e lavorazioni finali Soft material clamping and final machining	Cod.	7.65.0V1000	7.65.0V2000
		€	48	48
	Art. 650Y RUVIDE - ROUGH Miglior presa pezzo Best workpiece clamping	Cod.	7.65.0Y1000	7.65.0Y2000
		€	94	94
	Art. 650U G01 GRIP (Passo - Pitch 1,5mm) Per materiali di durezza normale For standard workpieces hardness clamping	Cod.	7.65.0U1000/G01	7.65.0U2000/G01
		€	48	60
	Art. 650U G02 GRIP (Passo - Pitch 2mm) Per materiali di notevole durezza For hardened workpieces clamping	Cod.	7.65.0U1000/G02	7.65.0U2000/G02
		€	48	60
	Art. 650U G11 GRIP (Passo - Pitch 11mm) Per materiali teneri For soft material clamping	Cod.	7.65.0U1000/G11	7.65.0U2000/G11
		€	48	60

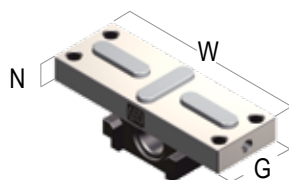
ACCESSORI PER MORSE COMPACT GRIP Art.950

Art.950 COMPACT GRIP VISES ACCESSORIES

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

Art. 950B

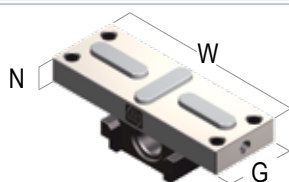
Slitta **DESTRA** con chiavette
 Solid hardened slide **RIGHT HAND**
 with positioning key nuts



N	15	20
Cod.	7.95.0B2000	7.95.0B3000
€	205	372

Art. 950C

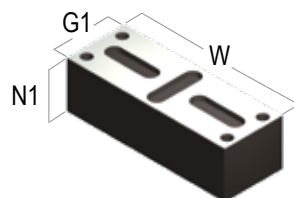
Slitta **SINISTRA** con chiavette
 Solid hardened slide **LEFT HAND**
 with positioning key nuts



N	15	20
Cod.	7.95.0C2000	7.95.0C3000
€	205	372

Art. 950D*

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

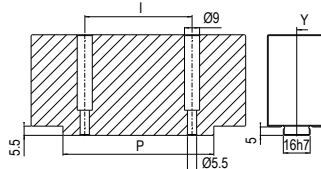
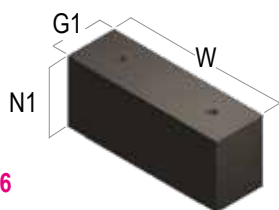


N1	30	47
Cod.	7.95.0D2000	7.95.0D3000
€	75	97

* Viti per fissaggio a richiesta €11
 Fixing screws on request €11

Art. 950X*

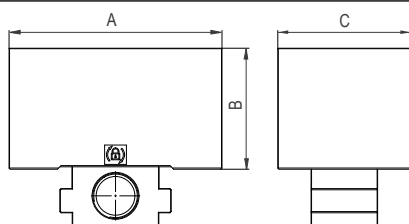
Ganascia fissa intermedia
 lavorabile in acciaio
 Intermediate machineable
 steel fixed jaw



W	128	160
G1	35	50
N1	55	67
I	64	90
P	90	124
Cod.	7.95.0X2000	7.95.0X3000
€	75	97

* Viti per fissaggio a richiesta €6
 Fixing screws on request €6

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
€	152	211



7.65.0BM30
372

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
€	152	211



7.65.0CM30
372

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

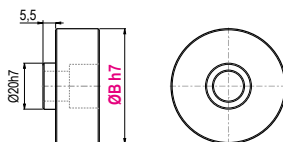
Art. 370EM

 Arresto laterale magnetico
Magnetic workstop


Cod. 7.37.01000/EM 7.37.02000/EM

€ 67 75

Art. 640P

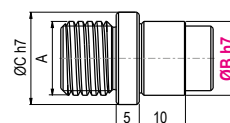
 Perno calibrato per centraggio
Calibrated centering pin

 ØC h7 20
ØB 30 - 38,1(1,5") - 50 - 50,8 (2")

Cod. 7.64.0P100 7.64.0P200 7.64.0P300

€ 28 34 40

* 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

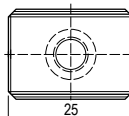
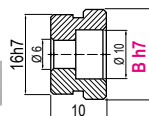
ØC h7 14 14 20

ØB 10 - 12 - 14 - 16 - 18 - 20

Cod. 7.79.14M10/ØB 7.79.14M12/ØB 7.79.20M16/ØB

€ 19

Art. 297

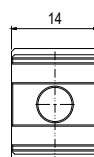
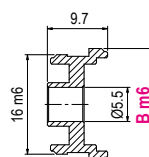
 Coppia di tasselli per regolazione autocentrante
con vite M5 x 10
Pair of Self-centering key-nuts with M5 x 10 screw


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

Cod. 2.29.71000/10 2.29.71000/16

€ 34

Art. 297X

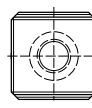
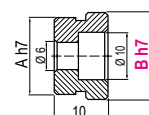
 Tassello a Gioco Zero per il
posizionamento preciso
di morse singole su zero point
Key nut NO-GAP for accurate
single vise positioning on zero point


B 12 - 14 - 16 - 18 - 20

Cod. 297X1612 / 14 / 16 / 18 / 20

€ 34

Art. 650G

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


A 10 16

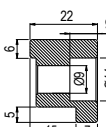
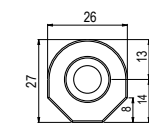
B 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36

Cod. 7.65.0G1000/B 7.65.0G2000/B

€ 19

Specificare sempre quota B - Specify always B dimension

Art. 298 / CGR

 Staffa per Compact Grip
Compact Grip holding clamp


Cod. 7.29.81000/CGR

€ 17

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

CH

B

CH

B

CH

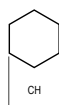
B

10 160 12 160 16 250

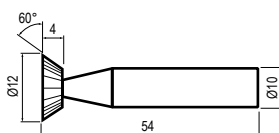
Cod. 4.37.510160 4.37.512160 4.37.516250

€ 27 31 36

Art.375

 Chiave a pipa
Box wrench


Art. 690DTF

 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

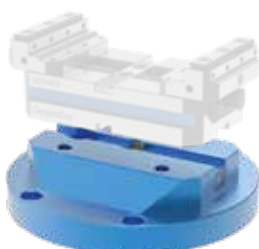
€ 257

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

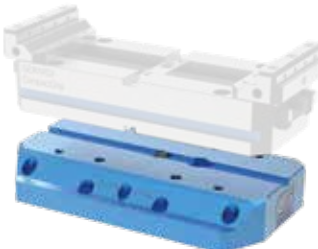
ALUMINUM RISERS FOR COMPACT GRIP VISES ART.650 / 950

Tipo (grandezza) rialzo Riser (type) size		1									
Art. 651H Rialzo semplice, compatibile con il sistema Zero Point 	Tipo / Type 1	A	80			120			160		
		B	80			80			80		
		* C	50	75	100	50	75	100	50	75	100
		ØD	128			178			178		
		E	-			150			150		
		L	52			52			52		
		M	52			52			52		
		ØJ	110			150			150		
		K	10			10			10		
		K1	-			16			16		
		kg	1,08	1,41	1,75	2,09	2,63	3,17	2,40	3,15	3,90
		Cod.	7.65.1H1080 /050	7.65.1H1080 /075	7.65.1H1080 /100	7.65.1H1120 /050	7.65.1H1120 /075	7.65.1H1120 /100	7.65.1H1160 /050	7.65.1H1160 /075	7.65.1H1160 /100
		€	414	425	437	492	517	539	588	620	654

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

Tipo (grandezza) rialzo Riser (type) size		2												
Art. 651H Rialzo semplice, compatibile con il sistema Zero Point 	Tipo / Type 2	A	120			160			200			240		
		B	90			90			90			90		
	*	C	50	75	100	50	75	100	50	75	100	50	75	100
		ØD	210			210			210			249		
		E	-			150			150			200		
		L	65			65			65			65		
		M	90			90			90			150		
		ØJ	185			185			185			185		
		kg	3,07	3,71	4,32	3,09	3,90	4,73	3,38	4,45	5,52	4,13	5,45	6,75
		Cod.	7.65.1H2120 /050	7.65.1H2120 /075	7.65.1H2120 /100	7.65.1H2160 /050	7.65.1H2160 /075	7.65.1H2160 /100	7.65.1H2200 /050	7.65.1H2200 /075	7.65.1H2200 /100	7.65.1H2240 /050	7.65.1H2240 /075	7.65.1H2240 /100
Simple riser Zero Point ready		€	588	620	654	588	620	654	588	620	654	727	773	820

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

Tipo (grandezza) rialzo Riser (type) size		3															
Art. 651H Rialzo semplice, compatibile con il sistema Zero Point 	Tipo / Type 3	A	160				210				260				310		360
		B	125				125				125				125		125
		* C	50	75	100	50	75	100	50	75	100	50	75	100	50	75	100
		ØD	240				240				332				327		373
		E	150				150				150				150		200
		E1	-				-				200				200		250
		L	96				96				96				96		96
		L1	-				-				-				100		100
		M	96				96				96				96		96
		M1	-				-				-				200		250
		ØJ	185				185				185				185		185
		ØJ1	-				-				290				290		290
		kg	3,34	4,49	5,68	3,85	5,40	6,99	5,73	7,69	9,69	6,14	8,50	10,91	7,02	9,80	12,62
		Cod.	7.65.1H3160 /050	7.65.1H3160 /075	7.65.1H3160 /100	7.65.1H3210 /050	7.65.1H3210 /075	7.65.1H3210 /100	7.65.1H3260 /050	7.65.1H3260 /075	7.65.1H3260 /100	7.65.1H3310 /050	7.65.1H3310 /075	7.65.1H3310 /100	7.65.1H3360 /050	7.65.1H3360 /075	7.65.1H3360 /100
		€	680	726	769	680	726	769	1.047	1.106	1.167	1.085	1.146	1.207	1.255	1.326	1.398

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

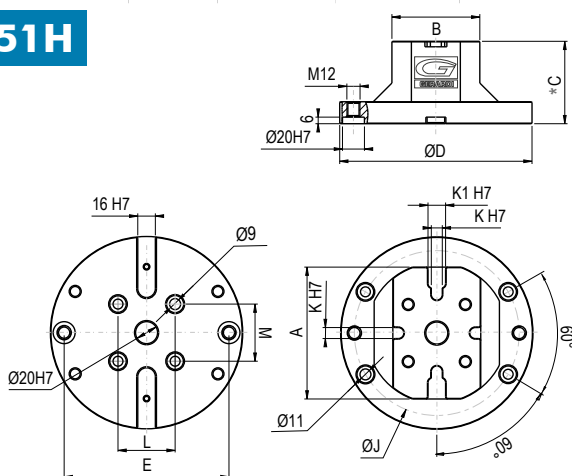
PIASTRE di INTERFACCIA

INTERFACE PLATES

Tipo (grandezza)
Riser (type) size

1

Art. 651H



Tipo (grandezza)
Riser (type) size

1

Art. 62M

CompactGrip
Piastra di interfaccia lavorabile
Machineable interface plate

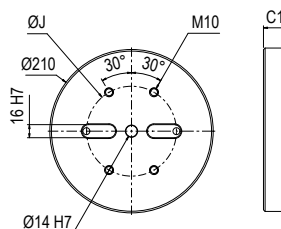


ØJ	110	150	150
C1		28	

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

€ **208** **247** **295**

Personalizzazione non inclusa - Customization not included

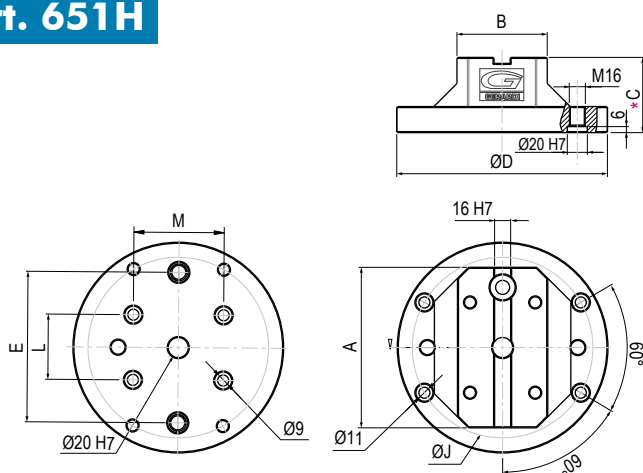


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza)
Riser (type) size

2

Art. 651H

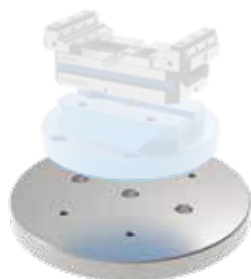


Tipo (grandezza)
Riser (type) size

2

Art. 62M

CompactGrip
Piastra di interfaccia lavorabile
Machineable interface plate

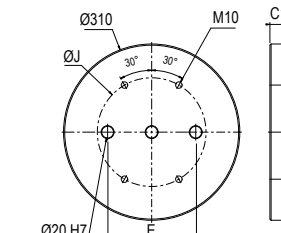


ØJ		185	
C1		28	
E	-	150	150 200

Cod. 7.62.M651H31/
.../212 .../216 .../220 .../224

€ **295**

Personalizzazione non inclusa - Customization not included

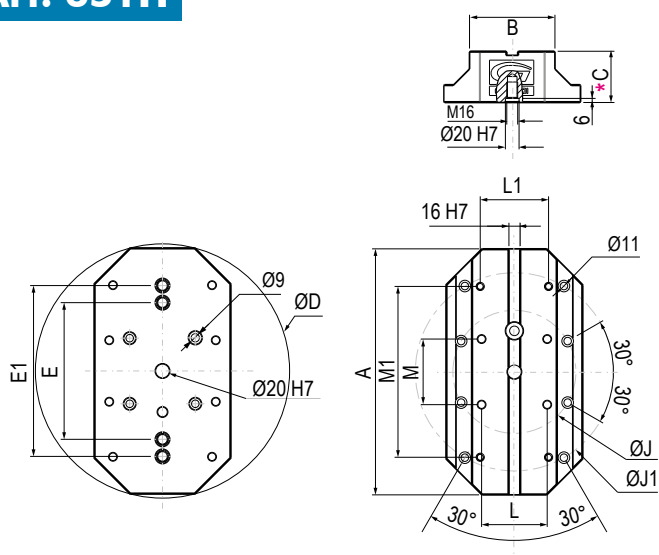


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza)
Riser (type) size

3

Art. 651H

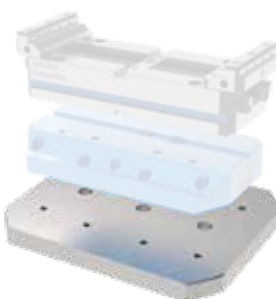


Tipo (grandezza)
Riser (type) size

3

Art. 62M

CompactGrip
Piastra di interfaccia lavorabile
Machineable interface plate

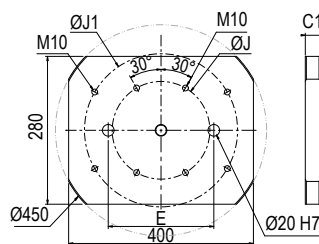


ØJ		185	
C1		28	
J1	-	-	290 290 290
E	150	150	150 150 200

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

€ **341**

Personalizzazione non inclusa - Customization not included



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

A Modular Positioning Clamping System

QUICK CHANGE PLATES

Sostituisci rapidamente l'attrezzatura per un Flusso di lavoro Continuo

Rapid Equipment Replacement for Seamless Workflow



Precisione / Accuracy
±0,02mm



Durezza / Hardened
HRC 55±2



Non Disponibile per
Not Available for
Germany / Austria

CARATTERISTICHE & VANTAGGI

- ✓ IDEALI PER CENTRI A 5 ASSI MA NON SOLO
- ✓ RAPIDITÀ DI ATTREZZAMENTO MACCHINA
- ✓ ABBATTIMENTO DEI TEMPI MORTI
- ✓ MODULARITÀ & VERSATILITÀ
- ✓ ACCELERAZIONE DELLA PRODUZIONE
- ✓ DISPONIBILI CON DOPPIO INTERASSE
- ✓ INFINITE COMBINAZIONI POSSIBILI
- ✓ DESIGN COMPATTO E MANEGGEVOLEZZA
- ✓ RIALZI COMPATIBILI



Rapidità e Leggerezza Speed and Lightness

La ridotta dimensione e la compattezza del Sistema Modulare a Cambio Rapido consentono di equipaggiare la macchina con Morse di dimensioni ridotte e di effettuare sostituzioni dell'attrezzatura con carichi e pesi estremamente leggeri.

The small size and compactness of the Modular Quick Change System allows the machine to be equipped with smaller vises and make equipment changes with extremely light loads and weights.

TECHNICAL FEATURES & ADVANTAGES

- ✓ IDEAL FOR 5-AXIS CENTERS BUT NOT ONLY
- ✓ QUICK MACHINE SETUP
- ✓ REDUCTION OF DOWNTIME
- ✓ MODULARITY AND VERSATILITY
- ✓ AVAILABLE WITH DOUBLE PITCHES
- ✓ INFINITE POSSIBLE COMBINATIONS
- ✓ COMPACT DESIGN AND HANDLING
- ✓ ZERO POINT READY
- ✓ COMPATIBLE RAISERS



Art. 662S

Piastra a Cambio Rapido Multipla
Multiple Quick Change Table

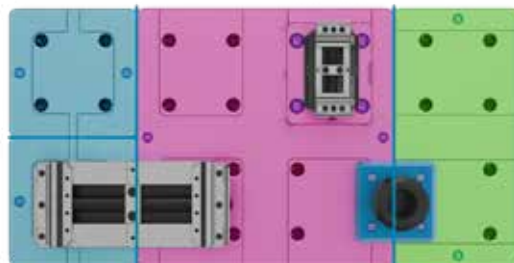


Il Tempo è Denaro Time is Money

Mentre la prima morsa sta operando montata sul centro di lavoro, hai tutto il tempo necessario per preparare la seconda, pronta da fare entrare in azione appena la prima avrà terminato il suo compito, garantendo una produzione

While the first vise is in operation mounted on the workstation, you have all the necessary time to prepare the second one, ready to come into action as soon as the first one completes its task, ensuring uninterrupted production.

Le Modularità delle Piastre a Cambio Rapido offre la possibilità di adattare la configurazione della tua tavola macchina secondo le tue esigenze!
The modularity of Quick-Change Plates allows you to adapt the configuration of your machine table according to your needs!



Le Piastre a Cambio Rapido sono un sistema meccanico per il rapido posizionamento e bloccaggio di attrezzature per il serraggio di particolari che si distingue per la sua vasta gamma di varianti, offrendo una soluzione adatta a ogni tipo di macchina utensile. Sia che si tratti di forme rotonde, rettangolari o quadrate, per il bloccaggio singolo o multiplo, questo sistema può essere utilizzato in modo universale su centri di lavoro verticali e orizzontali, su tavole a 3 e 5 assi e può essere integrato e ampliato secondo le necessità. Questo semplice sistema modulare è caratterizzato da un numero ridotto di particolari garantendo una lunga durata e pochissima manutenzione.

The Quick-Change Plates are a mechanical system for the rapid positioning and clamping of fixtures for securing workpieces that stands out for its wide range of variations, offering a solution suitable for every type of machine tool. Whether it's round, rectangular, or square shapes, for single or multiple clamping, this system can be universally used on vertical and horizontal machining centers, on 3-axis and 5-axis plates, and can be integrated and expanded according to needs. This simple modular system is characterized by a reduced number of components, ensuring long-lasting durability and minimal maintenance.

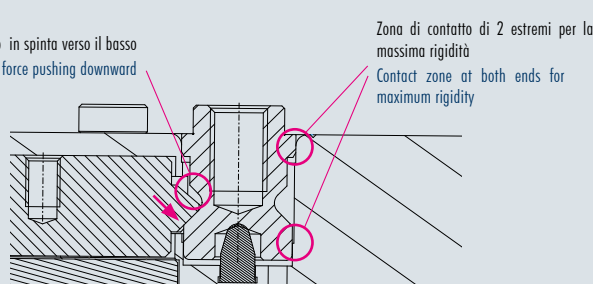


Perni di Posizionamento Positioning Pins

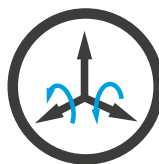
L'interasse dei perni di posizionamento per le Piastre a Cambio Rapido può essere da 52 e 96mm permettendo di avere un ingombro minimo dell'attrezzatura e di massimizzare lo spazio di lavoro del particolare.

The spacing of the positioning pins for Quick Change Plates can be 52 and 96mm allowing for minimal tooling space and maximizing the workspace of the part.

Forza di serraggio in spinta verso il basso
Clamping force pushing downward



SCAN IT TO WATCH THE



VIDEO PRESENTATION



*Accellera la produzione
ed Abbatti i Tempi Morti*

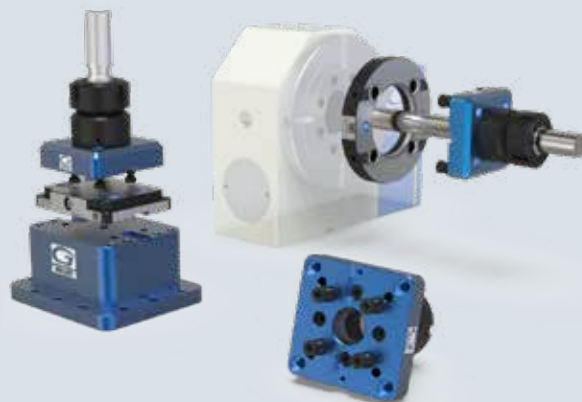
*Reduce downtime and
Accelerate your production*

**The quick and lightweight clamping system
for round workpieces**

ROUNDLOCK SYSTEM

Bloccare pezzi tondi non è mai stato così semplice!

Clamping round pieces has never been easier!



Il sistema di serraggio RoundLock è progettato per semplificare la tecnica di presa di componenti di diametro compreso tra 6 e 34. Grazie al suo design ergonomico permette di ottenere il massimo della accessibilità durante le operazioni di fresatura. Utilizzando comuni pinze ER50 che possono essere sostituite con pinze ad alta precisione per massimizzarne le prestazioni. È dotato di passaggio barra per poter lavorare i componenti in serie e l'interfaccia per sistema Zero Point e Quick Change, unita alla sua leggerezza, lo rende l'ideale per incrementare l'efficienza attraverso la sua installazione manuale o tramite robot.

The RoundLock clamping system is designed to simplify the clamping technique of components between 6 and 34 in diameter. Thanks to its ergonomic design it allows to obtain maximum accessibility during milling operations and uses common ER50 collets that can be substituted with high-precision collets to maximize its performance. It is equipped with a bar passage to be able to work the components in series and the interface for Zero Point and Quick Change system combined with its lightness makes it the ideal tool to increase efficiency through its manual installation or via robot.

PIASTRE CAMBIO RAPIDO MECCANICHE RETTANGOLARI

MECHANICAL RECTANGULAR QUICK CHANGE PLATES



Per Morse Tipo - For Vises Type	1 - 2	3
INTERASSE - PITCH	52	96
Art. 660 INTERASSE SINGOLO SINGLE PITCH		
Piastra cambio rapido rettangolare ad interasse 52 o 96 con chiavette e fori calibrati Rectangular Quick Change table with 52 or 96 interaxis with key-ways and calibrated holes		
	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
	€ 787*	1.133*

Per Morse Tipo - For Vises Type	1 - 2	3
INTERASSE - PITCH	52	96
Art.660S* DOLCE LAVORABILE SOFT MACHINABLE		
Piastra cambio rapido rettangolare lavorabile ad interasse 52 o 96 Rectangular machinable Quick Change table with 52 or 96 interaxis		
	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
	€ 638*	870*

Personalizzazione esclusa - Customization not included

Per Morse Tipo - For Vises Type	1 - 2 - 3
INTERASSE - PITCH	52
Art. 660R RIDUZIONE REDUCTION	
Piastra cambio rapido rettangolare di riduzione da interasse 96 a 52 Rectangular reduction Quick Change from 96 to 52 interaxis	
	B 96
	C 27
	D 126
	E 150
	F 52
	L Ø12h7
	L1 M8
	kg 3,75
	Cod. 9.66.0R210
	€ 696*

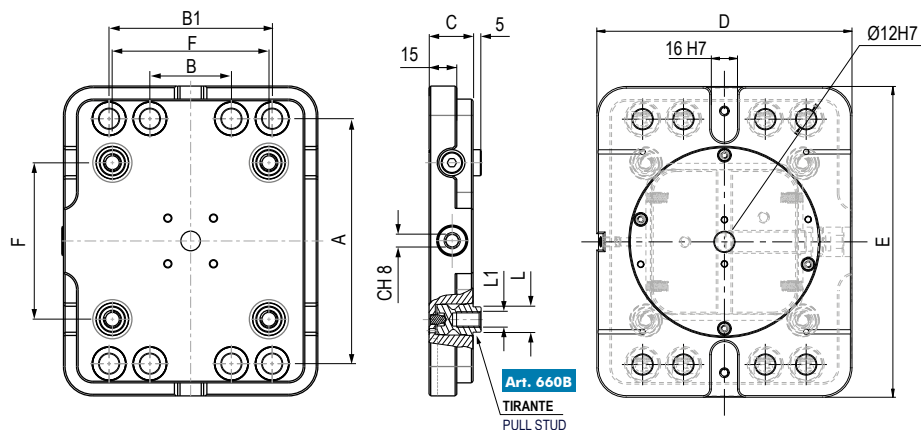
* Non disponibili per il mercato Tedesco e Austriaco - * Not available for German and Austrian market

PIASTRE CAMBIO RAPIDO MECCANICHE RETTANGOLARI

MECHANICAL RECTANGULAR QUICK CHANGE PLATES

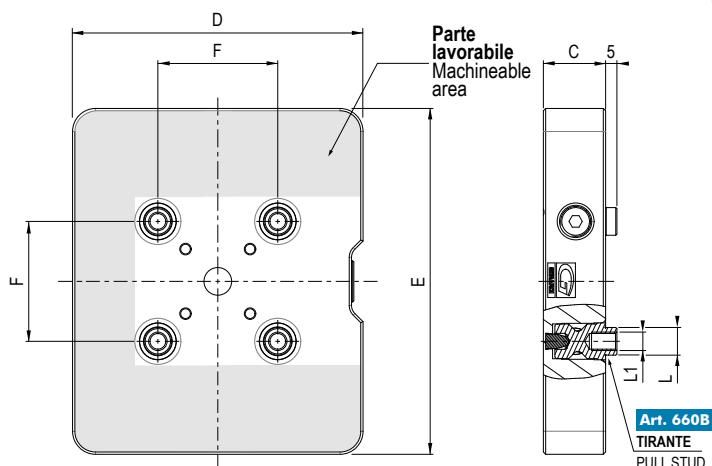
Art. 660

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



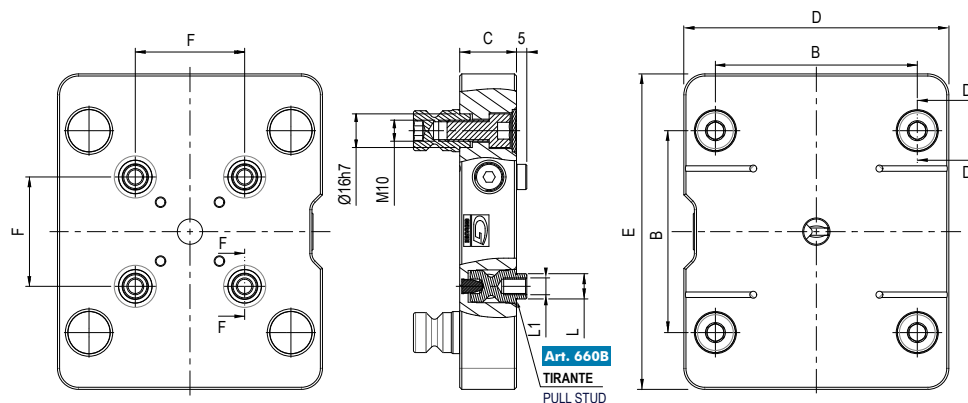
Art. 660S

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



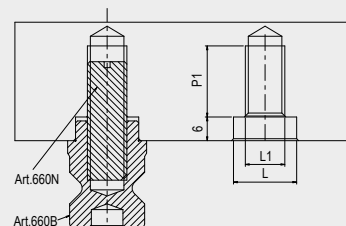
Art. 660B

Tiranti per piastra cambio rapido
Quick change table pull studs

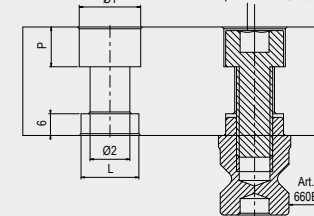


Tipo - Type 1

Tipo - Type 2



Vite testa cilindrica esagono incassato
Socket head cap screws DIN912 / ISO4762



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
€	31	33



PIASTRE CAMBIO RAPIDO MECCANICHE

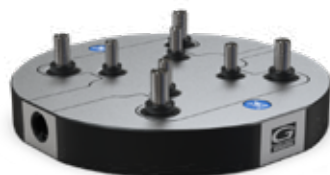
MECHANICAL QUICK CHANGE PLATES


NEW
2024

Per Morse Tipo - For Vises Type	1 - 2 - 3	
INTERASSE - PITCH	52 / 96	
Art. 662D DOPPIO INTERASSE DOUBLE PITCH Piastra cambio rapido quadrata lavorabile a doppio interasse 52 e 96 Square machinable Quick Change table with double interaxis 52 and 96	A	191,5
	B	52
	B1	96
	C	27
	D	122
	E	132
	F	Ø10 H7
	G	150
	kg	7,5
	Cod.	9662D5296
€	1.500	



Per Morse Tipo - For Vises Type	1 - 2	3
INTERASSE - PITCH	52	96
Art. 661D DOPPIO INTERASSE DOUBLE PITCH Piastra cambio rapido tonda lavorabile a doppio Interasse 52 e 96 Round machinable Quick Change table with double interaxis 52 and 96	A	196
	B	52
	B1	96
	C	27
	D	122
	E	132
	F	Ø10 H7
	G	150
	H	191,5
	kg	6
Cod.	9661D5296	
€	1.500	



Interasse - Interaxis	52	96	96
PASSAGGIO BARRA - BAR PASSAGE	Ø52 4 Azionamenti/4 Drives	Ø52 2 Azionamenti/2 Drives	Ø110 4 Azionamenti/4 Drives
Art.661SPB PASSAGGIO BARRA BAR PASSAGE Piastra cambio rapido tonda lavorabile con passaggio barra Round machinable Quick Change table with bar passage	A	Ø158	Ø196
	B	52	96
	C	27	27
	D	34	123
	E	70	123
	F	Ø10 H7	Ø10 H7
	G	135	140
	H	155	191,5
	I	Ø52	Ø110
	Kg	3,6	5,6
Cod.	9661SPB52-52	9661SPB96	9661SPB96-110
€			



* Non disponibili per il mercato Tedesco e Austriaco - * Not available for German and Austrian market

PIASTRE CAMBIO RAPIDO MECCANICHE

MECHANICAL QUICK CHANGE PLATES

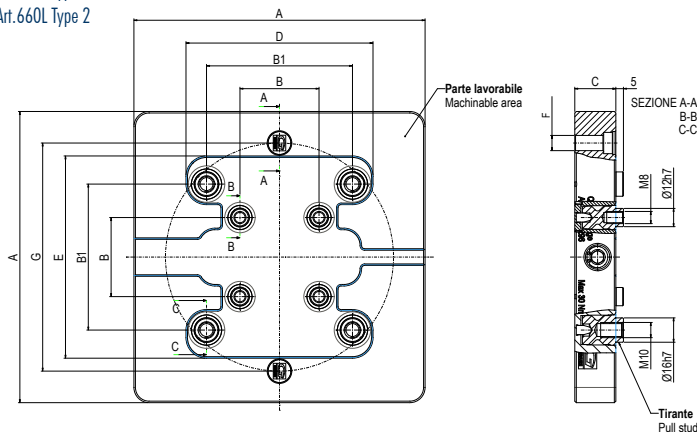
Art. 662D

Dotazione standard - Standard equipment:

N°8 Tiranti Art.660B (4x660BT1) + 4x660BT2) - # 8 Pull-studs Art.660B (4x660BT1 + 4x660BT2)

N°4 Tappi Art.660L Tipo 1 - # 4 Caps Art.660L Type 1

N°4 Tappi Art.660L Tipo 2 - # 4 Caps Art.660L Type 2



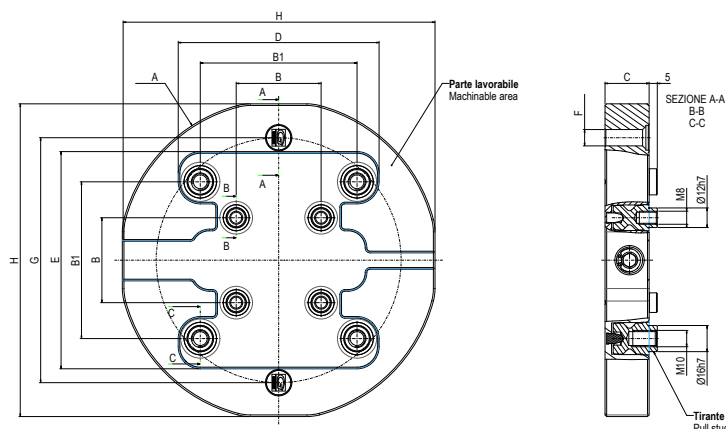
Art. 661D

Dotazione standard - Standard equipment:

N°8 Tiranti Art.660B (4x660BT1) + 4x660BT2) - # 8 Pull-studs Art.660B (4x660BT1 + 4x660BT2)

N°4 Tappi Art.660L Tipo 1 - # 4 Caps Art.660L Type 1

N°4 Tappi Art.660L Tipo 2 - # 4 Caps Art.660L Type 2



Art.661SPB

Dotazione standard - Standard equipment:

Ø52-Ø52

4 x Art.660B T1

2 x Art.C96 Ø18

1 x Art.C96PBQ Ø60

Ø96-Ø52

4 x Art.660B T2

2 x Art.C96 Ø18

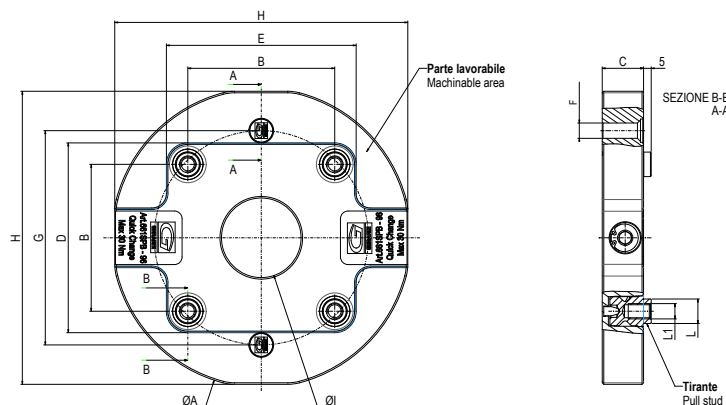
1 x Art.C96PBQ Ø50

Ø96-Ø110

4 x Art.660B T2

2 x Art.C96 Ø18

1 x Art.C96PBQ Ø160



Art. 660B

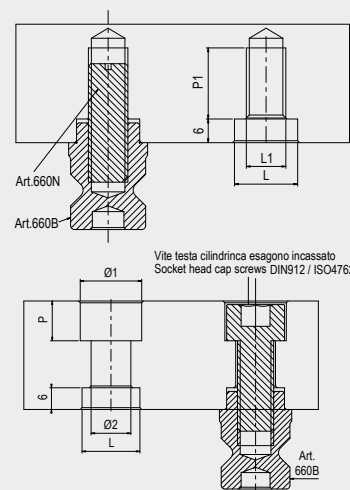
Tiranti per piastra cambio rapido

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
€	31	33



PIASTRE CAMBIO RAPIDO MECCANICHE COMBINABILI

MECHANICAL JOINABLE QUICK CHANGE PLATES


NEW
2024
Per Morse Tipo - For Vises Type
INTERASSE - PITCH
Art. 662S
SINGOLA
SINGLE

 Piastra cambio rapido combinabile quadrata lavorabile singola ad interasse 96
 Square machinable single Quick Change table with 96 interaxis


A	191,5
B	96
C	27
D	122
E	122
F	Ø10 H7
G	160
kg	7,6

Cod. 9662S960

€ 1.300*

Personalizzazione esclusa - Customization not included

Per Morse Tipo - For Vises Type
INTERASSE - PITCH
Art.662S
DOPPIA
DOUBLE

 Piastra cambio rapido combinabile rettangolare lavorabile doppia ad interasse 96
 Rectangular machinable mixable double Quick Change table with 96 interaxis

 2 Azionamenti
 2 Drives

A	191,5
A1	383,5
B	96
C	27
D	125
E	67
F	Ø10 H7
G	352
kg	15

Cod. 9662S962

€ 1.800

Personalizzazione esclusa - Customization not included

Per Morse Tipo - For Vises Type
INTERASSE - PITCH
Art. 662S
MULTIPLA
MULTIPLE

 Piastra cambio rapido combinabile quadrata lavorabile multipla ad interasse 96
 Square machinable mixable multiple Quick Change table with 96 interaxis

 4 Azionamenti
 4 Drives

A	383,5
A1	96
B	27
C	125
D	67
E	63,5
F	Ø10 H7
G	352
kg	30

Cod. 9662S964

€ 3.500

Personalizzazione esclusa - Customization not included

* Non disponibili per il mercato Tedesco e Austriaco - * Not available for German and Austrian market

PIASTRE CAMBIO RAPIDO MECCANICHE COMBINABILI

MECHANICAL JOINABLE MODULAR QUICK CHANGE PLATES

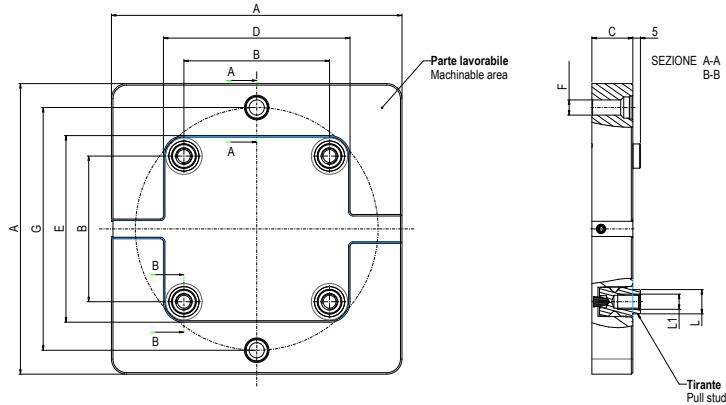
Art. 662S

SINGOLA
SINGLE

Dotazione standard - Standard equipment:

N°4 Tiranti Art.660B Tipo 2 - # 4 Pull-Studs Art.660B Type 2

N°4 Falsi Tiranti Art.6600 Tipo 2 - # 4 Fake Pull-Studs Art.6600 Type 2



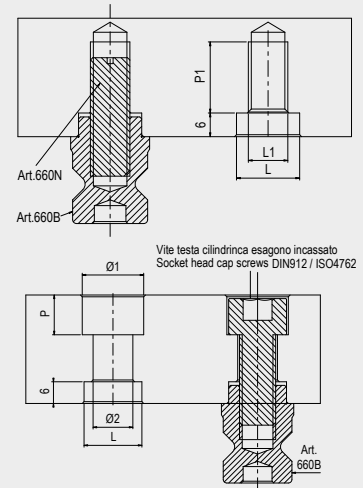
Art. 660B

Tiranti per piastra cambio rapido
Quick change table pull studs



Tipo - Type 1

Tipo - Type 2



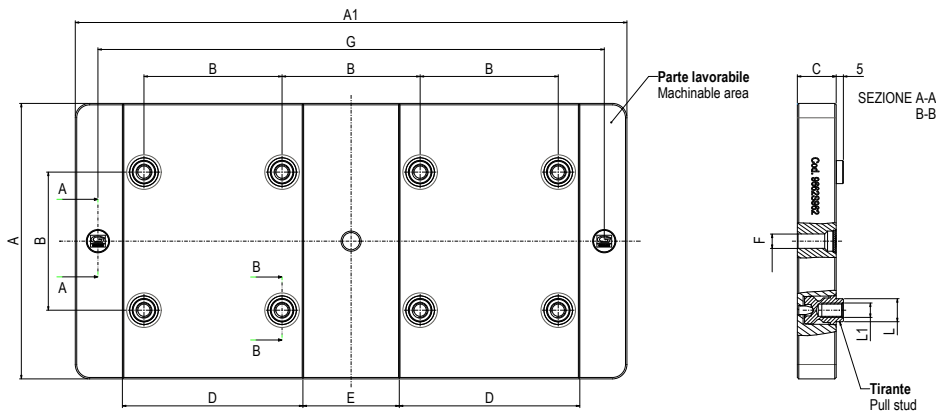
Art.662S

DOPPIA
DOUBLE

Dotazione standard - Standard equipment:

N°8 Tiranti Art.660B Tipo 2 - # 8 Pull-Studs Art.660B Type 2

N°8 Falsi Tiranti Art.6600 Tipo 2 - # 8 Fake Pull-Studs Art.6600 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
€	31	33

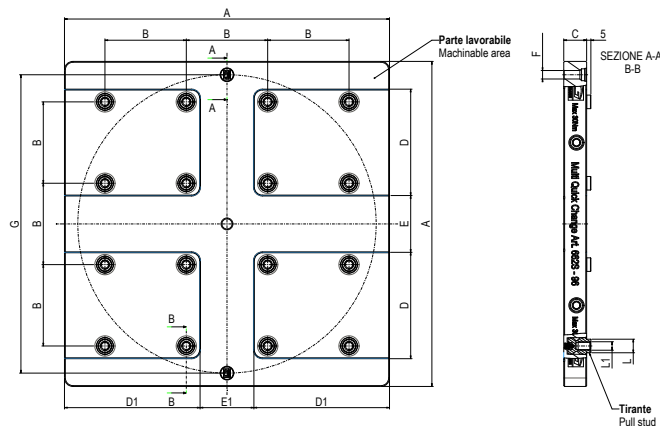
Art. 662S

MULTIPLA
MULTIPLE

Dotazione standard - Standard equipment:

N°16 Tiranti Art.660B Tipo 2 - # 16 Pull-Studs Art.660B Type 2

N°16 Falsi Tiranti Art.6600 Tipo 2 - # 16 Fake Pull-Studs Art.6600 Type 2



PIASTRE CAMBIO RAPIDO TONDE

ROUNDED QUICK CHANGE PLATES



Per Morse Tipo - For Vises Type	1 - 2		3
INTERASSE - PITCH	52		96
Art. 661 INTERASSE SINGOLO SINGLE PITCH			
ØA	158		196
ØB	120		175
C	27		27
F	52		96
L	Ø12h7		Ø16h7
L1	M8		M10
kg	3,4		5,6
Cod.	9.66.15200		9.66.19600
€	754*		1.102*

Piastra cambio rapido tonda ad interasse 52 o 96 con chiavette e fori calibrati
 Round Quick Change plate with 52 or 96 interaxis with key-ways and calibrated holes



Per Morse Tipo - For Vises Type

INTERASSE - PITCH

Art. 661S

DOLCE LAVORABILE
SOFT MACHINABLE

Piastra cambio rapido tonda lavorabile ad interasse 52 o 96

Round machinable Quick Change plate with 52 or 96 interaxis

	1 - 2	3		
	52	96		
A	158	196	250	300
C	27	27	27	27
F	52	96	96	96
L	Ø12h7	Ø16h7	Ø16h7	Ø16h7
L1	M8	M10	M10	M10
kg	3,8	6,1	10	15
Cod.	9.66.1S520	9.66.1S960	9.66.1S960-250	9.66.1S960-300
€	696*	1.159*	1.647	1.750

Piastra cambio rapido tonda lavorabile ad interasse 52 o 96
 Round machinable Quick Change plate with 52 or 96 interaxis



Personalizzazione esclusa - Customization not included

Per Morse Tipo - For Vises Type	1 - 2 - 3	
INTERASSE - PITCH	52 - 96	
Art. 661R RIDUZIONE DA 96 A 52 REDUCTION FROM 96 TO 52		
ØA	158	
B	96	
C	27	
F	52	
L	Ø12h7	
L1	M8	
kg	3,75	
Cod.	9.66.1R210	
€	870*	

Piastra cambio rapido tonda di riduzione da interasse 96 a 52
 Round reduction Quick Change from 96 to 52 interaxis



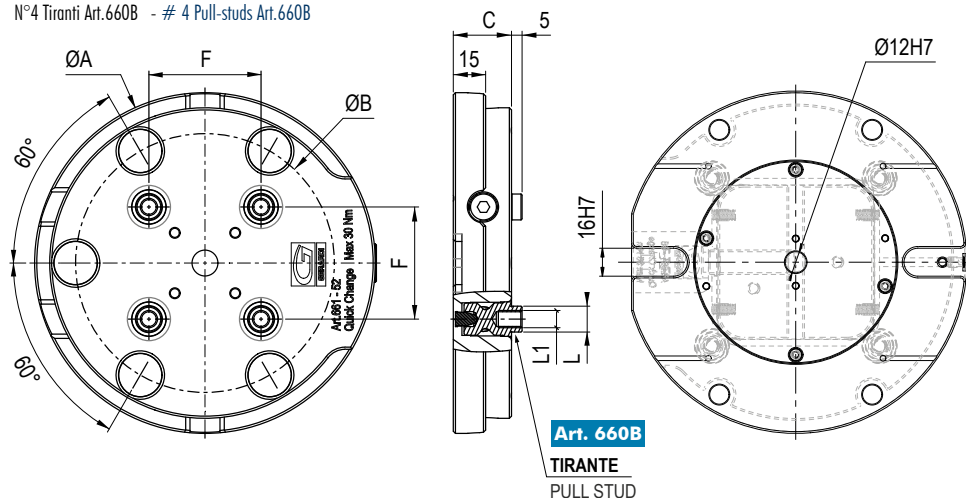
* Non disponibili per il mercato Tedesco e Austriaco - * Not available for German and Austrian market

PIASTRE CAMBIO RAPIDO TONDE

ROUNDED QUICK CHANGE PLATES

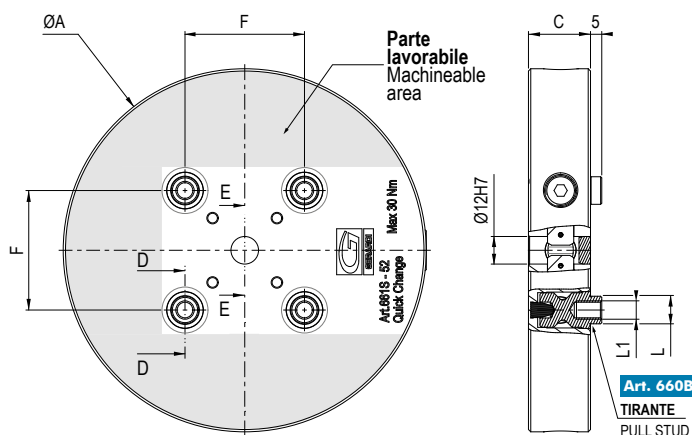
Art. 661

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



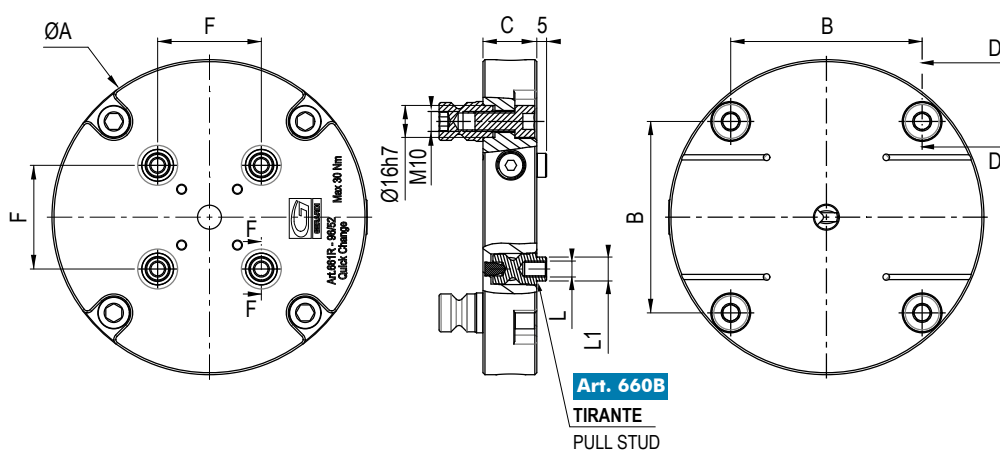
Art. 661S

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



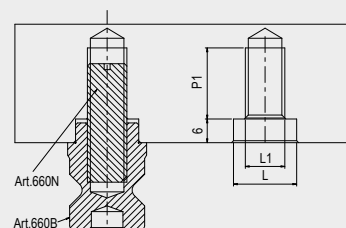
Art. 660B

Tiranti per piastra cambio rapido
Quick change table pull studs

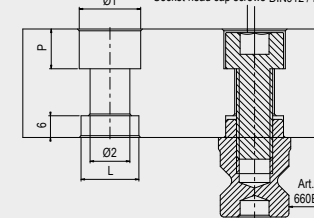


Tipo - Type 1

Tipo - Type 2



Vite testa cilindrica esagono incassato
Socket head cap screws DIN912 / ISO4762



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
€	31	33



SISTEMA DI SERRAGGIO ROUNDLOCK

ROUNDLOCK CLAMPING SYSTEM

NEW
2024

Tipo - Type INTERASSE - PITCH		52	96
Art.740PB PASSAGGIO BARRA PER QUICK CHANGE BAR PASSAGE QUICK CHANGE READY Sistema di serraggio RoundLock con passaggio barra con tiranti per piastra cambio rapido interasse 52 o 96 RoundLock clamping system with bar passage with pull-studs for Quick Change table 52 or 96 interaxes Utilizzo ideale in accoppiata con Art.661SPB Ideal usage in combination with Art.661SPB	A	120	
	B	52	
	B1	96	
	C	33	
	ØD	Ø35	
	E	72	
	F	72	
	G	Ø9 (per vite / for screw M8)	
	H	16 H7	
	I	Ø78	
	J	114	
	K	ER50 Ø6 - Ø34	
	kg	3,2	
Cod.		7740QC52PB	7740QC96PB
€		1.010*	1.013*



Tipo - Type INTERASSE - PITCH		52	96
Art.740QC PER QUICK CHANGE QUICK CHANGE READY Sistema di serraggio RoundLock senza passaggio barra con tiranti per piastra cambio rapido interasse 52 o 96 RoundLock clamping system without bar passage with pull-studs for Quick Change plate 52 or 96 interaxes	A	120	
	B	52	
	B1	96	
	C	33	
	D	Ø20 H7	
	E	72	
	F	72	
	G	Ø9 (per vite / for screw M8)	
	H	16 H7	
	I	Ø78	
	J	114	
	K	ER50 Ø6 - Ø34	
	kg	3,3	
Cod.		7740QC5200	7740QC9600
€		812*	815*



Tipo - Type INTERASSE - PITCH		
Art.740ZPS PER ZERO POINT ZERO POINT READY Sistema di serraggio RoundLock senza passaggio barra con tirante e tasselli per montaggio su unità Zero Point Singolo Art.665S Tipo 2 RoundLock clamping system without bar passage with pull-stud and key-nuts for set-up on Single Zero Point unit Art.665S Type 2	A	120
	B	52
	B1	96
	C	33
	E	72
	F	72
	G	Ø9 (per vite / for screw M8)
	H	16H7
	I	Ø78
	J	114
	K	ER50 - Ø6 - Ø34
	kg	3,3
Cod.		7740ZPS200
€		717

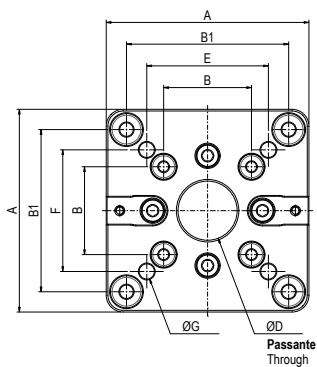


SISTEMA DI SERRAGGIO ROUNDLOCK

ROUNDLOCK CLAMPING SYSTEM

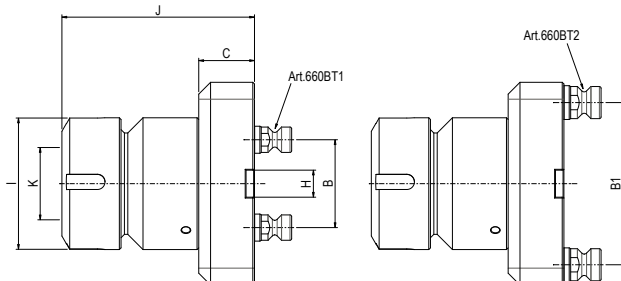
Art.740PB

PASSAGGIO BARRA BAR PASSAGE



7740QC52PB

7740QC96PB



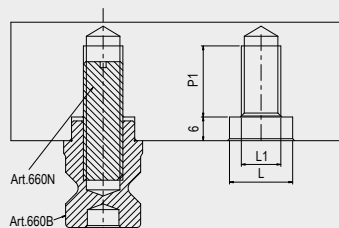
Art. 660B

Tiranti per piastra cambio rapido
Quick change table pull studs

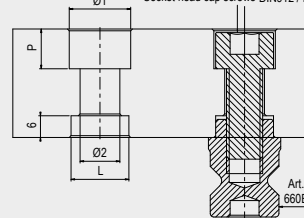


Tipo - Type 1

Tipo - Type 2

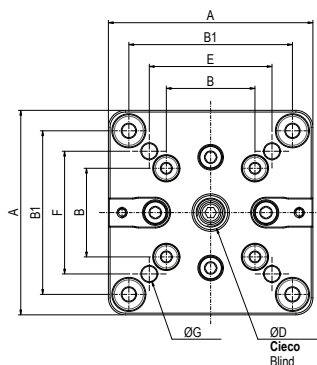


Vite testa cilindrica esagono incassato
Socket head cap screws DIN912 / ISO4762



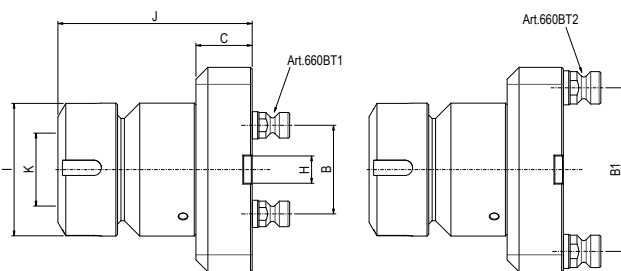
Art.740QC

PASSAGGIO BARRA BAR PASSAGE



7740QC5200

7740QC9600



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

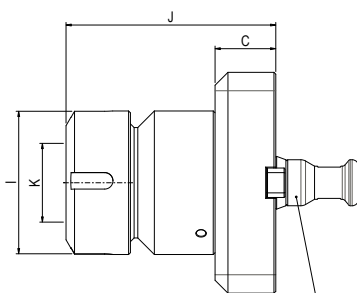
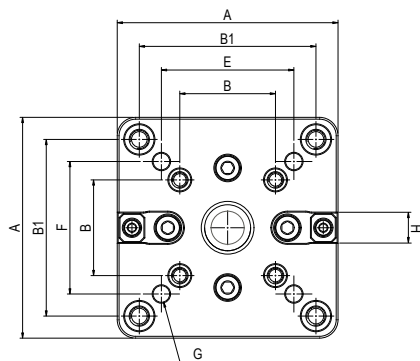
€

31

33

Art.740ZP

PER ZERO POINT ZERO POINT READY



Tirante ZeroPoint Art.11S T.2
ZeroPoint pull stud Art.11S T.2



RIALZI SEMPLICI IN ALLUMINIO PER PIASTRA A CAMBIO RAPIDO

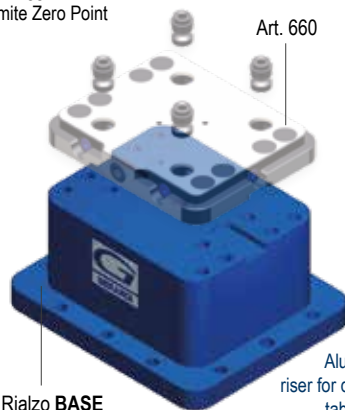
SIMPLE ALUMINUM RISERS for QUICK CHANGE TABLE

Per Morse Tipo - For Vises Type

INTERASSE - PITCH

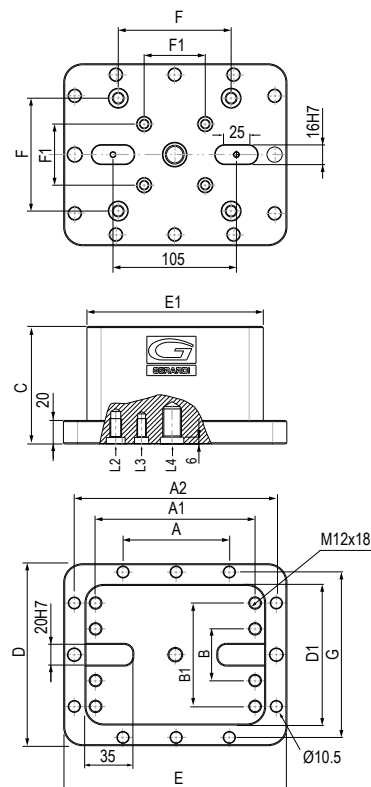
Art. 661H

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


Rialzo **BASE**
BASE riser
Art. 661H

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

	1 - 2	3
	52	96
A	100	100
A1	-	150
A2	170	190
B	50	50
B1	-	100
C	100	100
D	156	176
D1	116	136
E	190	210
E1	150	170
F	96	96
F1	52	52
G	136	160
L2	Ø16 H7 / M10	Ø16 H7 / M10
L3	Ø12 H7 / M8	Ø12 H7 / M8
L4	Ø20 H7 / M16	Ø20 H7 / M16
kg	5	6,5
Cod.	9.66.1H520	9.66.1H960
€	812	1.043

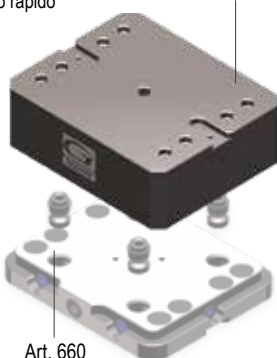

Kit di fissaggio e allineamento rialzo **non incluso** / Riser fixing and alignment kit **not included**

Per Morse Tipo - For Vises Type

INTERASSE - PITCH

Art. 661HQ

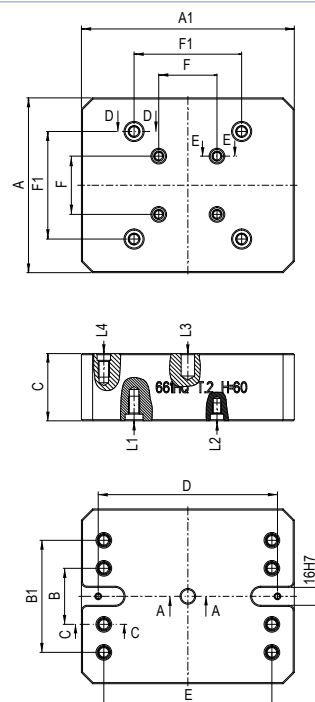
Rialzo semplice in alluminio per piastra cambio rapido

Rialzo **TOP**
TOP riser
Art. 661HQ


Art. 660

Simple aluminum riser for quick change table

	1 - 2	3
	52	96
A	116	156
A1	150	150
B	50	50
B1	-	100
C	60 100	60 100
D	120	160
E	100	150
F	52	-
F1	96	96
L1	Ø16 H7 / M10	Ø16 H7 / M10
L2	Ø12 H7 / M8	Ø12 H7 / M8
L3	Ø12 H7	Ø12 H7
L4	Ø12 H7 / M10	Ø12 H7 / M10
kg	-	-
Cod.	9.66.1HQ52/060 9.66.1HQ52/100	9.66.1HQ96/060 9.66.1HQ96/100
€	580 696	812 927


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

Art. 660B

Tiranti per piastra cambio rapido

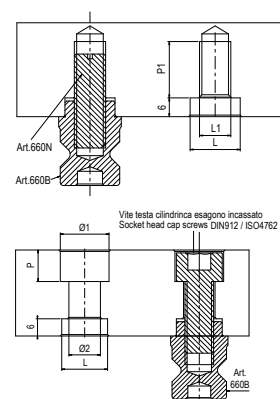


Tipo - Type 1

Tipo - Type 2

Quick change table pull studs

	1	2
L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	14	17
Ø2	9	11
P	9	11
P1	12	18
Cod.	9.66.0B100	9.66.0B200
€	31	33



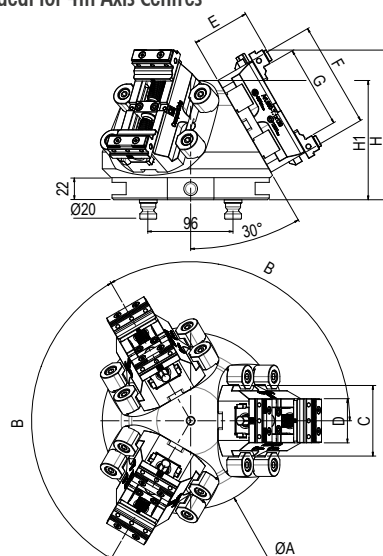
SUPPORTO PIRAMIDALE PER MULTITASKING & COMPACT GRIP

PYRAMIDAL SUPPORT FOR MULTITASKING & COMPACT GRIP

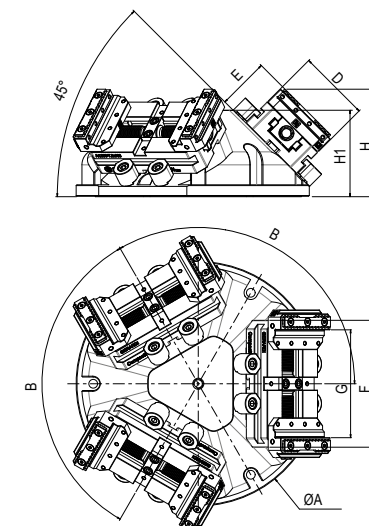
Tipo (grandezza) / Type (size)		1
PIANO INCLINATO - GRADE SIDE		30°
Art. 643H	Multitasking	-
	Compact Grip	Art.650 T.1x80/120
Supporto piramidale in alluminio a tripla posizione. Possibilità di montaggio tramite Zero Point e piastre a cambio rapido Aluminum pyramidal support with 3 positions Mounting possibility through Zero Point system and quick change plates 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	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
	€	1.816



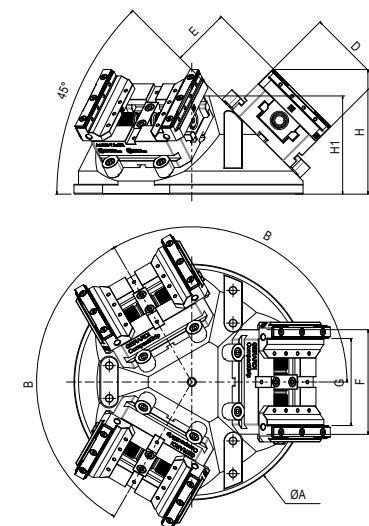
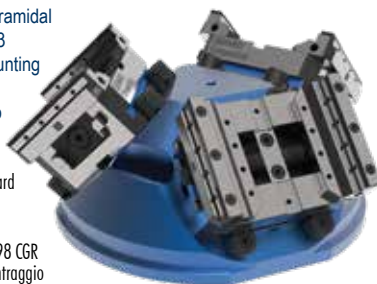
Ideali per Centri a 4 Assi
Ideal for 4th Axis Centres



Tipo (grandezza) / Type (size)		2
PIANO INCLINATO - GRADE SIDE		45°
Art. 643H	Multitasking	Art.640 - T.1
	Compact Grip	Art.650 T.2x120/160/200 - Art.950 T.2x120/160/200
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	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
	€	2.157



Tipo (grandezza) / Type (size)		3
PIANO INCLINATO - GRADE SIDE		45°
Art. 643H	Multitasking	-
	Compact Grip	Art.650 T.3x160/210 - Art.950 T.3x160/210
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	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
	€	2.384



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

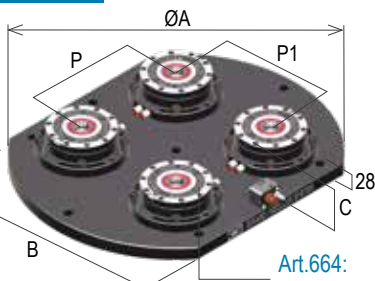
PIASTRE BASE ZERO POINT TONDE

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
ØA		280		500		500		420	
B		-		380		400		-	
C		83		83		83		83	
P		-		200		200		200	
P1		-		200		200		200	
N° Zero Point		1		4		4		4	
kg		19	11	61	37	63	38	65	35
Cod.		9.72. P2800S1	9.72. P2800A1	9.72. P5038S4	9.72. P5038A4	9.72. P5040S4	9.72. P5040A4	9.72. P4200S4	9.72. P4200A4
		1.703	1.703	5.107	5.107	5.107	5.107	5.107	5.107

Per centri
a 5 ASSI
For 5 AXIS
machining
centres



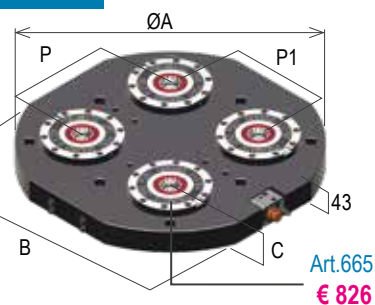
Piastra tonda con Zero Point Art. 664 montaggio con flangia
Round head plate with Zero Point Art. 664 mounting with flange

Opzione apertura indipendente Zero Point / Zero point independent control option SOVRAPPREZZO / EXTRA PRICE: **€ 284 Cad. / Each**

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
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. P2800S1	9.82. P2800A1	9.82. P5038S4	9.82. P5038A4	9.82. P5040S4	9.82. P5040A4	9.82. P4200S4	9.82. P4200A4
		* € 1.703	1.703	5.062	5.062	5.085	5.085	5.107	5.107

Per centri
a 5 ASSI
For 5 AXIS
machining
centres



Piastra tonda con Zero Point Art. 665 montaggio incassato
Round head plate with Zero Point Art. 665 built-in mounting

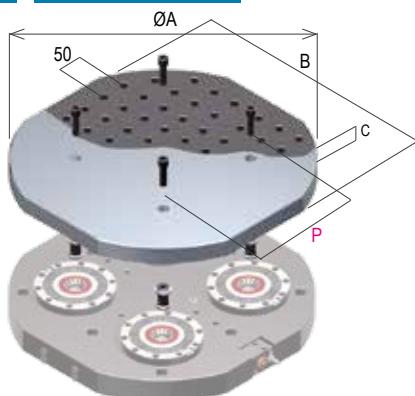
Opzione apertura indipendente Zero Point / Zero point independent control option SOVRAPPREZZO / EXTRA PRICE: **€ 284 Cad. / Each**

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
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
€		1.228	1.192	1.402	1.362	1.636	1.590	2.104	2.043
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
€		1.505	1.505	1.921	1.921	2.569	2.569	3.726	3.726

Piastra base tonda
liscia (Art. 62iC) o a
reticolo (Art. 62iE)
con tiranti femmina
Art. 10A - 10B per
cambio rapido
Zero Point

Smooth round
interfaced plate (Art. 62iC)
or grid (Art. 62iE) with
female pull-studs
Art. 10A - 10B
for ZERO POINT
quick change



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
5.447	5.447	5.447	5.447	5.447	5.447	5.516	5.516	7.808	7.808	10.282	10.282	8.262	8.262

BUILT-IN MOUNTING
2
 up to 14 kN

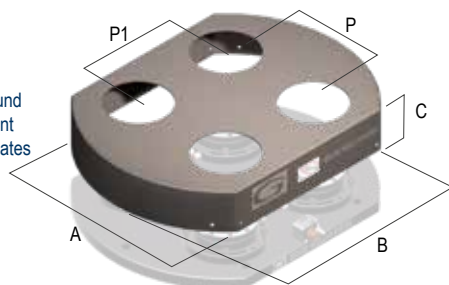
DMG DMU 50		Haas UMC 750		Mazak Variax 630		DMG DMU 70 Evo		DMG DMC 635V		DMG DMC 1035V		DMG DMU 80P	
Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
630		630		630		700		790		1000		900	
500		500		500		500		560		560		630	
58		58		58		58		58		58		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
5.674	5.674	5.674	5.674	5.674	5.674	5.867	5.867	8.329	8.329	10.622	10.622	9.010	9.010

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			-	-

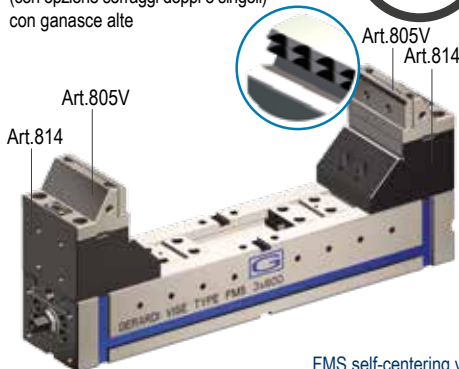
Cod. 9.72.CP42424 9.72.CP50404 9.72.CP63504 9.72.CP79566

€ 103 123 181 246

Tipo (grandezza) morsa / Vise type (size)

Art. 868

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



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

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

Cod.	5.86.81200	5.86.81300	5.86.82300	5.86.82400	5.86.82500	5.86.82600	5.86.83400	5.86.83500
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€	1.935	2.065	2.233	2.113	2.578	2.757	2.793	2.590
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Art. 868D



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

Cod.	5.86.8D120	5.86.8D130	5.86.8D230	5.86.8D240	5.86.8D250	5.86.8D260	5.86.8D340	5.86.8D350
€	2.912	3.042	3.209	3.090	3.555	3.733	3.830	3.626

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

Chiave dinamometrica Art.357 (**Consigliata**) - Torque wrench Art.357 (**Suggested**)

Art. 802



Cod.	5.80.21000	5.80.22000	5.80.23000
€	1.029	1.029	1.083

Art. 868E

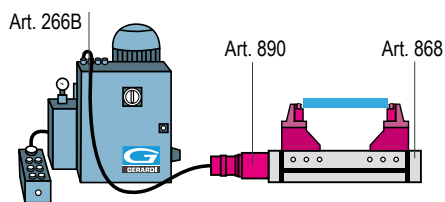


(Art. 868 + 890) Morsa + motore idraulico / **Vise + hydraulic motor**

Cod.	5.86.8E120	5.86.8E130	5.86.8E230	5.86.8E240	5.86.8E250	5.86.8E260	5.86.8E340	5.86.8E350
€	3.126	3.257	3.437	3.317	3.770	3.948	4.438	4.235

Art. 868F

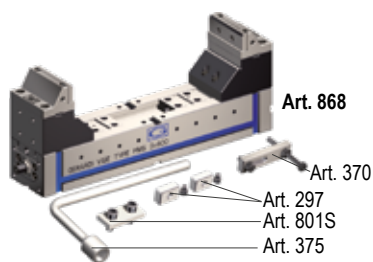
(Art. 868 + 890 + 266B) Morsa + motore idraulico + centralina / **Vise + hydraulic motor + power unit**



Cod.	5.86.8F120	5.86.8F130	5.86.8F230	5.86.8F240	5.86.8F250	5.86.8F260	5.86.8F340	5.86.8F350
€	11.088	11.219	11.423	11.293	11.757	11.936	12.436	12.233

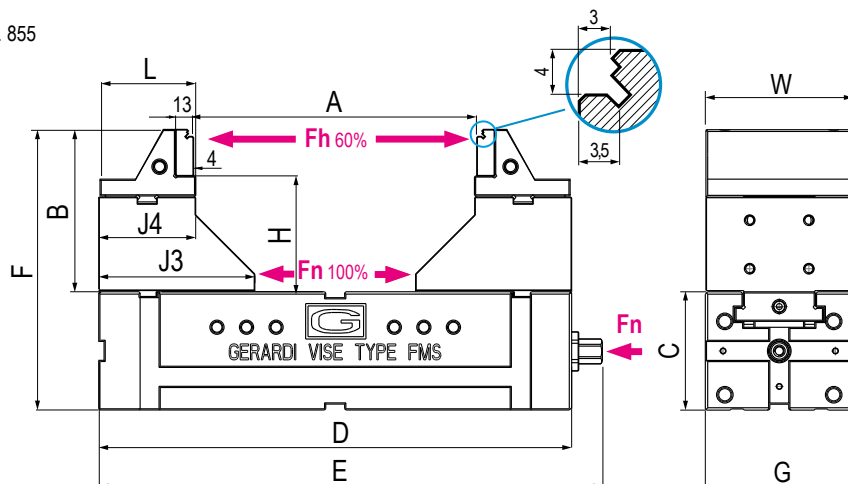
Dotazione standard:

- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375



Standard equipment:

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



	3 30 kN			4 30 kN				5 32 kN			6 32 kN		
A	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
€	3.246	3.495	3.758	3.458	3.328	4.115	4.425	4.175	4.699	5.105	6.034	6.869	7.536

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
€	4.271	4.531	4.794	4.723	4.592	5.378	5.690	5.556	6.069	6.475	7.405	8.240	8.907

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
€	1.083	1.330	1.452	1.442

Art. 868E

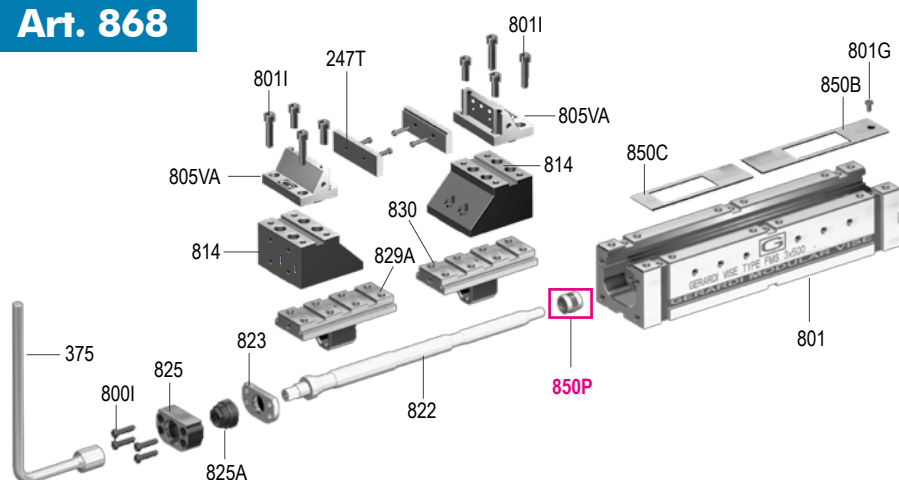
(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

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
€	4.890	5.140	5.403	5.128	4.998	5.783	6.095	6.058	6.582	6.976	7.942	8.776	9.445

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
€	12.875	13.139	13.402	13.163	12.388	13.818	14.130	14.320	14.844	15.249	16.274	17.109	17.777

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	-	-

Tipo (grandezza) morsa / Vise type (size)
kN
4x270
kN 41
4x420
Art. 685

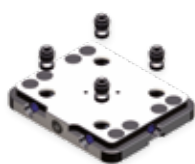
Morsa MaxiGrip - 3 Serraggi in 1
Autocentrante, doppia e singola

MaxiGrip vise - 3 clamping in 1
Self-Centering, Double and Single

A	200	344
A1	83	155
A2	104	248
A3	35	107
W	158	
E	270	420
kg	28,5	40
Cod.	76854270	76854420
€	2.920	3.870

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 660

Interasse / Type **96 mm**

Piastra cambio rapido
Quick change table


Cod. 9.66.09600

€ **1.133**

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

Art. 683K

Ganascia fissa centrale (viti incluse)
Intermedie fixed jaw (screws included)


Cod. 7683K400/G01

€ **350**
Art. 682K

Ganascia Mobile (inserti e viti incluse)
Movable Jaw (inserts and screws included)


Cod. 7682K400/G01

€ **250**
Art. 220

Inserto Grip
Top jaw insert


Cod. 4.22.01000/G01

€ **19**

Vedi gamma completa - See the complete range Page 4.17

Art. 680U

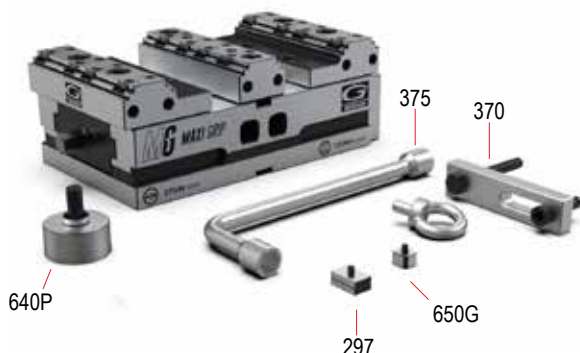
Piatra laterale per serraggio singolo (viti extra)
Side plate for single clamping (screws not included)


Cod. 7680U4000

€ **120**

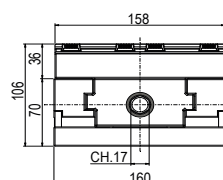
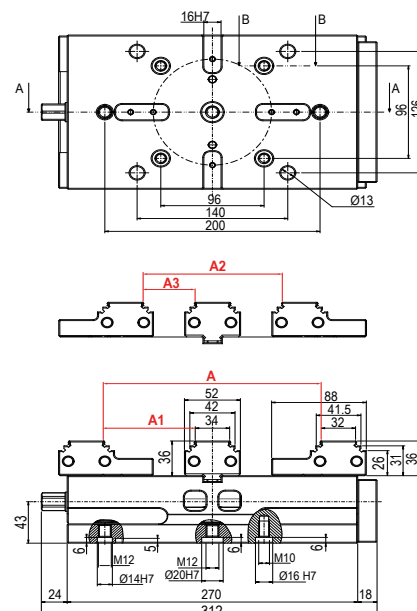
Dotazione standard:

- 1 chiave a pipa Art.375/17 ■ 2 Arresti laterali Art.370 T.3
- 1 coppia di tasselli per regolazione autocentrante Art. 297 16/16
- 2 tasselli di posizionamento Art.650G 16/16 ■ 1 perno calibrato per centraggio Art.640P ■ 2 golfari M10 o M12



Standard equipment:

- 1 box wrench Art.375/17 ■ 2 workstops Art.370 T.3
- 1 pair of self-centring key-nuts Art. 297 16/16
- 2 positioning key-nuts Art.650G 16/16 ■ 1 calibrated centering pin Art.640P ■ 2 eyebolts M10 o M12



Tipo (grandezza) morsa / Vise type (size)	kN	4x270	4x420
		kN 41	
Art. 684	A	200	344
	A1	-	-
	A2	104	248
	A3	-	-
	W	158	
	E	270	420
	kg	25	36
	Cod.	76844270	76844420
	€	2.500	3.450

Morsa MaxiGrip
Solo Autocentrante



MaxiGrip vise
Only Self-centering

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

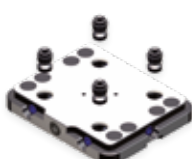
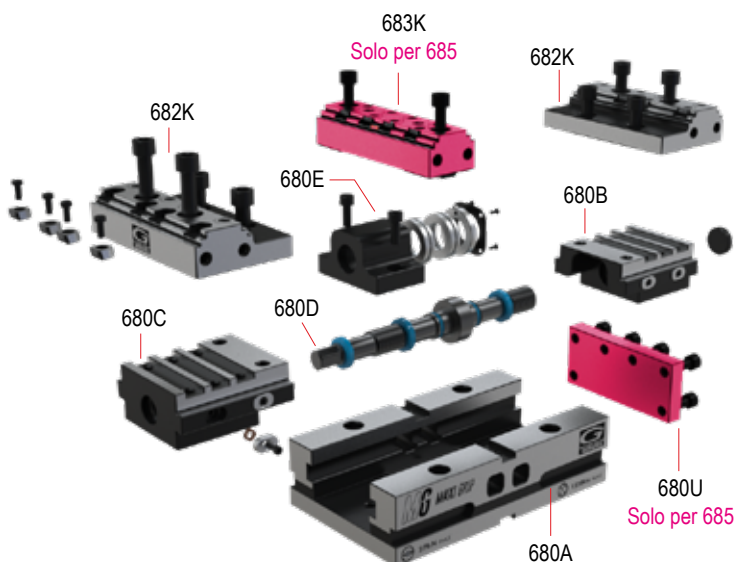
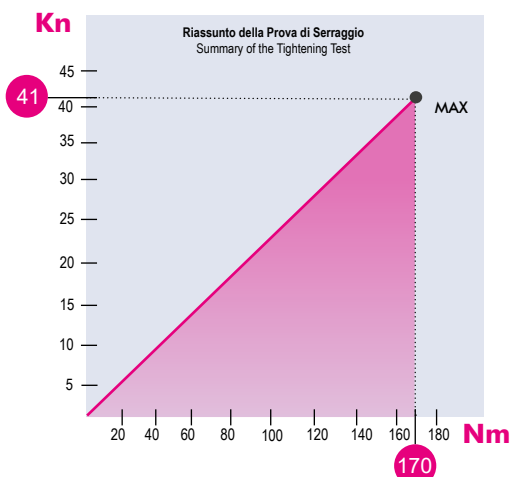
Art. 660		Cod.	9.66.09600
Interasse / Type 96 mm		€	1.133
Piastra cambio rapido Quick change table			Vedi gamma completa - See the complete range Page 7.32 / 7.33
Art. 683K		Cod.	7683K400/G01
Ganascia fissa centrale (viti incluse) Intermedie fixed jaw (screws included)		€	350
Art. 682K		Cod.	7682K400/G01
Ganascia Mobile (inserti inclusi) Movable Jaw (inserts included)		€	250
Art. 220		Cod.	4.22.01000/G01
Inserto Grip Top jaw insert		€	19
Art. 680U		Cod.	7680U4000
Piatra laterale per serraggio singolo (viti extra) Side plate for single clamping (screws not included)		€	120

Grafico Test

Art. 685-684 T4x270-420



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**



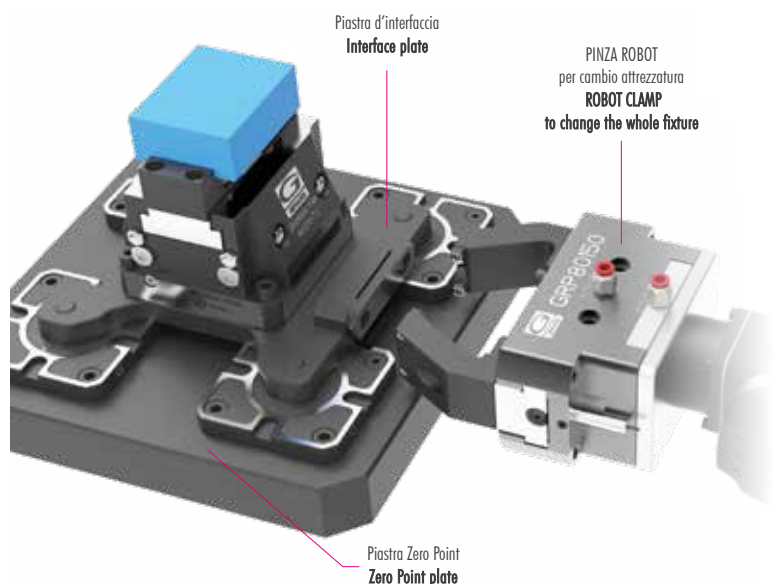
PNEUMATICA A DOPPIO EFFETTO O IDRAULICA
PNEUMATIC DOUBLE EFFECT OR HYDRAULIC



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.

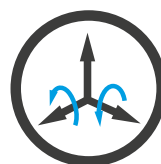
The pneumatic or hydraulic activation of GRIPMATIC vises is made through a double effect piston that grants the complete managing of the vise. One of the main features is modularity that allows this kind of vise to be used on any type of machine and, thanks to its configuration and complete handling 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

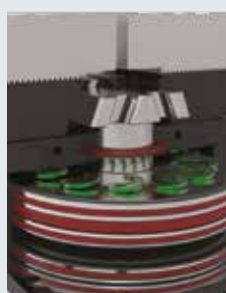


ART. 671A



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).

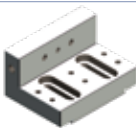
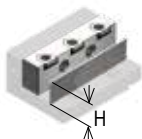
Tipo (grandezza) morsa / Vise (type) size		2	3	4
		7	14,4	16,9
Art. 670PN	Stroke Art.671A/B	A	8,5 / 10,5	12 / 13,1
		A1	130,2	162
		B	30	35
		C	105	130
		D	166	206
		E	78	95
		G	12	16
		H	140	170
		W	99	124
		kg	20	38
Cod.		7.67.0PN20	7.67.0PN30	7.67.0PN40
€		1.790	2.387	3.162

Modulo base morsa
autocentrante **pneumatica**
MAX 10 BAR



Self-centering vise
base module **pneumatic**
MAX 10 BAR

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 671A		Cod.	7.67.1A200	7.67.1A300	7.67.1A400
Ganascia lavorabile Soft jaw		€	169	228	301
Art. 671B		Cod.	7.67.1B200	7.67.1B300	7.67.1B400
Ganascia lavorabile ridotta Soft narrow jaw		€	193	254	336
Art. 671C		Cod.	7.67.1C200	7.67.1C300	7.67.1C400
Ganascia predisposta per piastre ganasc standard ridotte Jaw for narrow width standard jaw plates		€	193	254	336
Art. 243		Cod.	1.65.17000	1.65.27000	1.65.37000
Piastra ganascia piana rigata temprata Hardened grooved straight jaw plate		€	61	66	79
Art. 245		Cod.	4.24.51000	4.24.52000	4.24.53000
Piastra ganascia piana liscia temprata Hardened smooth straight jaw plate		€	66	73	86
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.	1.24.7G100	1.24.7G200	1.24.7G300
		€	139	150	194

Dotazione standard:

- 1 perno di centraggio Art.670P*
- N°2 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:

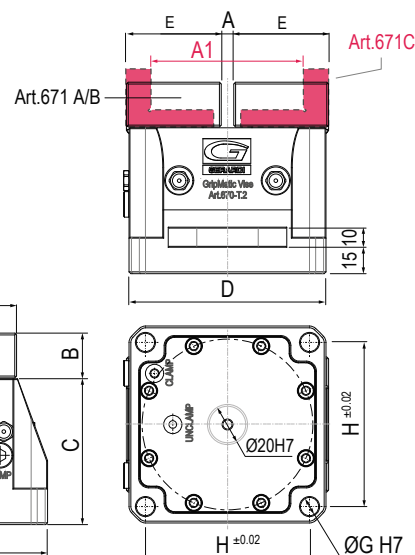
- 1 centering pin Art.670P*
- N. 2 shoulder screw Art. 83
- No return valve Art.PN16
- N.2 Straight male adaptors Art.PN04

*(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	
		kN					
		19		37,5		47	
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		
		€	1.790	2.387	3.162		



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

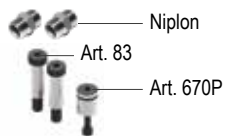
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 671A		Cod.	7.67.1A200	7.67.1A300	7.67.1A400
		€	169	228	301
Art. 671B		Cod.	7.67.1B200	7.67.1B300	7.67.1B400
		€	193	254	336
Art. 671C		Cod.	7.67.1C200	7.67.1C300	7.67.1C400
		€	193	254	336
Art. 243		Cod.	1.65.17000	1.65.27000	1.65.37000
		€	61	66	79
Art. 245		Cod.	4.24.51000	4.24.52000	4.24.53000
		€	66	73	86
Art. 670G		H	18	25	30
		Cod.	1.24.7G400	1.24.7G500	1.24.7G700
		€	139	150	194

Dotazione standard:

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

* (Indicare dimensione in fase di ordine)



Standard equipment:

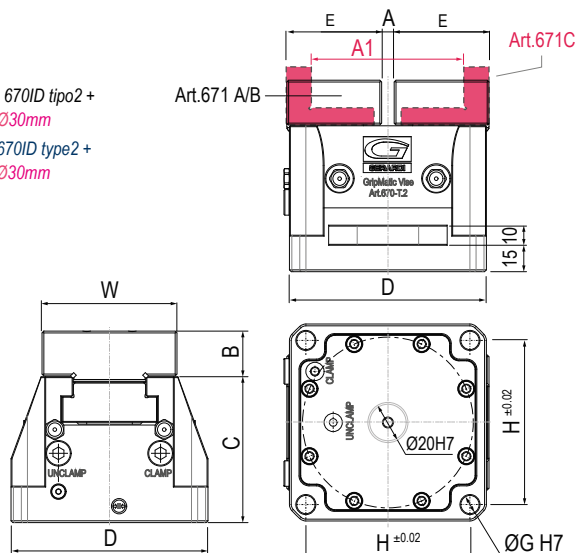
- 1 centering pin Art.640P*
- N.2 shoulder screw Art. 83
- N.2 Niplon

*(Dimension to be advised at order)

Art. 670ID



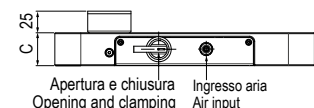
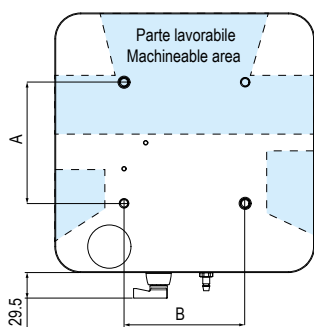
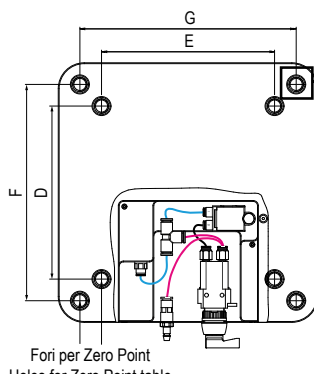
Esempio di ordine: Art. 670ID tipo2 +
2x Art.671A + Art.670P Ø30mm
Example of order: Art. 670ID type2 +
2x Art.671A + Art.650G Ø30mm



PIASTRE DI INTERFACCIA PER MORSE GRIPMATIC

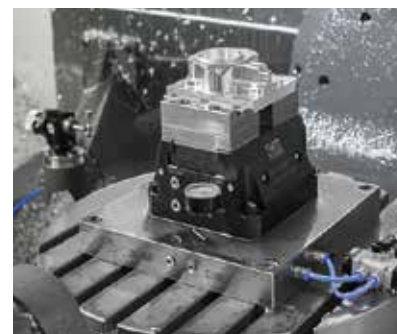
INTERFACED PLATES FOR GRIPMATIC VISES

Tipo (grandezza) morsa / Vise (type) size		2 5,1 - 15	3 16 - 32	4 22 - 43
	kN			
Art.670CP SEMI AUTOMATICA SEMI-AUTOMATIC Piastra di interfaccia per morsa GripMatic Art.670 PN semiautomatica con innesto aria tramite attacco rapido e gestione del sistema manuale tramite selettore 	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
€		2.271	2.271	2.271


 Apertura e chiusura
 Opening and clamping

 Parte lavorabile
 Machineable area

 Fori per Zero Point
 Holes for Zero Point table

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

Selettore - selector

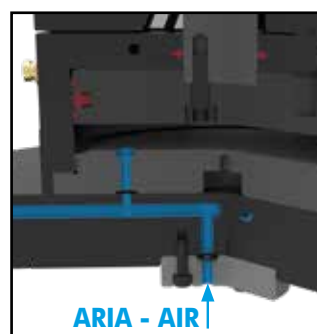

 Predisposizione Zero Point
 Zero Point ready

 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

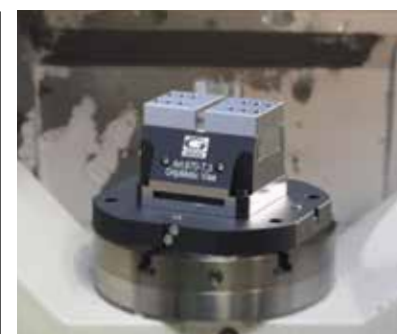
CUSTOMIZED INTERFACED PLATES FOR GRIPMATIC VISES

Tipo (grandezza) morsa / Vise (type) size		2 5,1 - 15	3 16 - 32	4 22 - 43
	kN			
Art.670AP AUTOMATICA AUTOMATIC Piastra di interfaccia per morsa GripMatic Art.670PN automatica con innesto aria/olio tramite la piastra della macchina e gestibile direttamente dal CNC. Piastra completamente personalizzabile in base alle funzionalità della macchina utensile (comando di presenza pezzo e pulizia) 	Cod.	7.67.0AP20	7.67.0AP30	7.67.0AP40
	€	2.497	2.497	2.497

PIASTRA COMPLETAMENTE PERSONALIZZABILE !
COMPLETE CUSTOMIZABLE PLATE !

 Interface plate for GripMatic vise Art.670PN **automatic** with air or oil input through the machine plate 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)


Ingresso diretto ARIA - Direct AIR input



Esempio applicativo - Applicative example

CENTRALINE PNEUMOIDRAULICHE PER MORSE GRIPMATIC

PNEUMOHYDRAULIC POWER UNIT FOR GRIPMATIC VISES

Tipo (grandezza) morsa / Vise (type) size

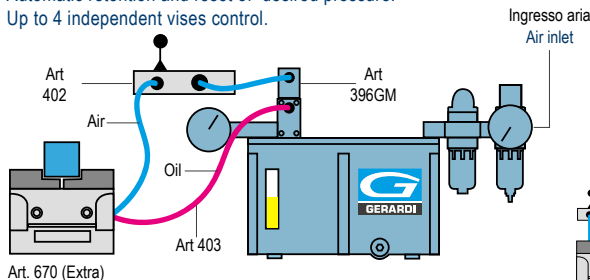
kN	2 5,1 - 15	3 16 - 32	4 22 - 43
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Art.394 GM

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

€ 1.653

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

Cod. 7.39.4GM332

€ 2.020

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

Cod. 7.39.4GM333

€ 2.387

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

Cod. 7.39.4GM334

€ 2.815

Tipo (grandezza) morsa / Vise (type) size

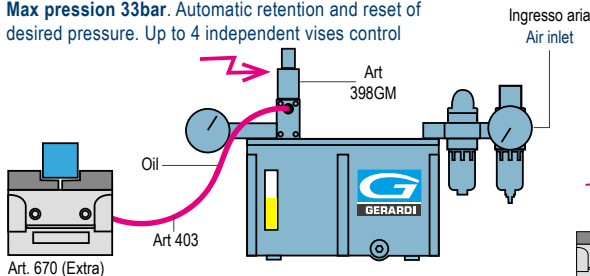
kN	2 5,1 - 15	3 16 - 32	4 22 - 43
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Art.395 GM

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

€ 1.898

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

Cod. 7.39.5GM332

€ 2.510

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

Cod. 7.39.5GM333

€ 3.121

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

Cod. 7.39.5GM334

€ 3.733

ACCESSORI E RICAMBI / SPARE PARTS

Art. 403

Tubo termoplastico completo di attacco rapido Art. 270A (m 1,5)
Thermoplastic pipe complete with rapid connection Art. 270A (m 1,5)

Cod. 4.40.30000

€ 186

Per ogni metro extra / For each extra meter: € 31

Art. 402

Distributore leva angolare, 2 vie
Angular valve, 2 ways

Cod. 9.40.20000

€ 95

Art. 400

Pedale bistabile
Two positions foot pedal

Cod. 4.40.00000

€ 205



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

€ 339

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

€ 513

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

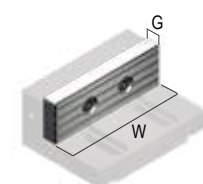
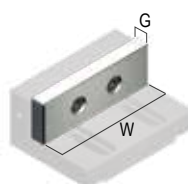
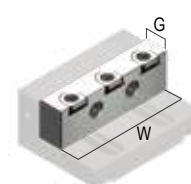
GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.670

JAWS & JAW PLATES FOR MULTITASKING VISES Art.670

Tipo (grandezza) / Type (size)	2	3	4
Art. 671A*			
Ganascia mobile lavorabile Soft movable jaw			
Materiale temprabile 20MnCr5 Hardenable material 20MnCr5			
W	74	99	124
B	25	30	35
E	49	79	96
Cod.	7.67.1A200	7.67.1A300	7.67.1A400
€	169	228	301

Art. 671B*			
Ganascia mobile lavorabile ridotta Soft narrow movable jaw			
Materiale temprabile 20MnCr5 Hardenable material 20MnCr5			
W	40	65	81
A	10	10	15
B	25	30	35
C	15	28	38
E	40	65	81
Cod.	7.67.1B200	7.67.1B300	7.67.1B400
€	193	254	336

Art. 671C*			
Ganascia mobile predisposta per piastre ganasce standard ridotte Movable jaw for narrow standard jaw plates			
* Viti per fissaggio a richiesta €11 Fixing screws on request €11			
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
€	193	254	336


Art. 243*

Art. 245*

Art. 247G*

Piastrine ganasce: Art. 243 piana rigata temprata, Art. 245 piana liscia temprata, Art. 247G con inserti GRIP. (vedi pag. 46 - 47)
 Jaw Plates: Art. 243 Hardened flat grooved jaw plate, Art. 245 hardened flat smooth jaw plate, Art. 247G with GRIP inserts. (see page 46 - 47)

* Viti per fissaggio a richiesta €11 - Fixing screws on request €11

Art. 670K			
Parti di ricambio per Morse GripMatic Grip Matic Jaws spare parts			
Cod.	7.67.0K200	7.67.0K300	7.67.0K400
€	62	73	186

Art. PN16			
Valvola direzionale di non ritorno - 1/8" Gas Unidirectional check valve - 1/8" Gas			
Cod.		9.PN.16000	
€		176	

Art. PN22			
Raccordo a Y Ø6 - Ø8 Y adaptor Ø6 - Ø8			
Cod.		9.PN.22006/8	
€		13	

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
€	14	15	16

Art. 670IDL			
Adattatore per innesto diretto Direct input adaptor			
Cod.	7.67.0IDL20	7.67.0IDL30	
€	20	25	

Art. 670P			
Perno di centraggio Straight pin			
ØB		20 - 30 - 38,1 - 50 - 50,8	
Cod.		7.67.0P3000	
€	28	34	40

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

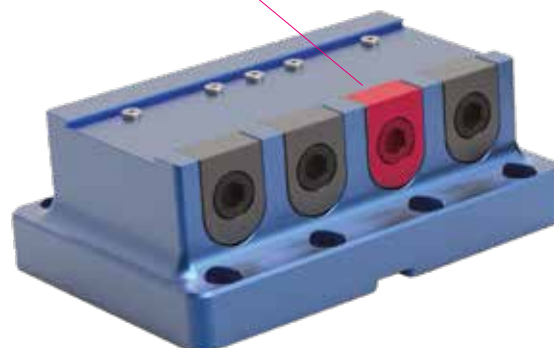
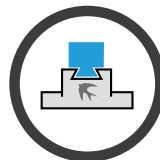
Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un'efficace chiusura ad incastro irreversibile. La molla all'interno permette un rilascio graduale del tassello di bloccaggio.

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. 690

*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

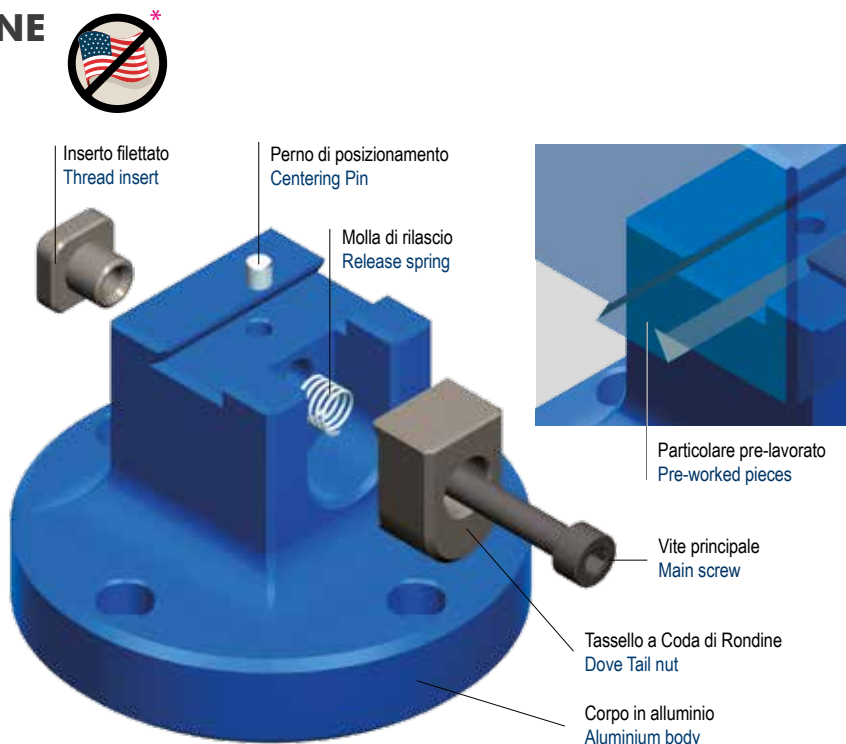
Il sistema a Coda di Rondine è progettato specificatamente per le lavorazioni su centri a 5 assi.

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

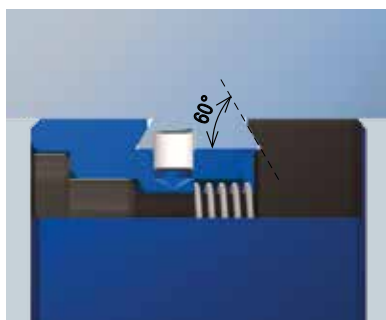
Il sistema Coda di Rondine è compatibile con l'ampia gamma di attrezzature Gerardi, in particolare con il sistema Zero Point e piastre a cambio rapido ed è possibile applicarlo sui più conosciuti centri di lavoro al mondo.

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



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

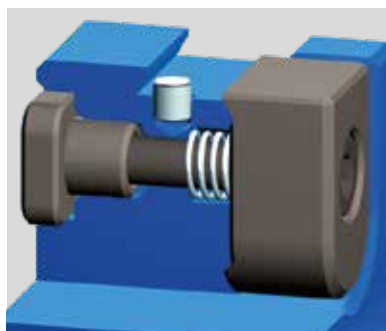


1

PREDISPOSIZIONE CODA DI RONDINE DOVE TAIL SET-UP

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

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

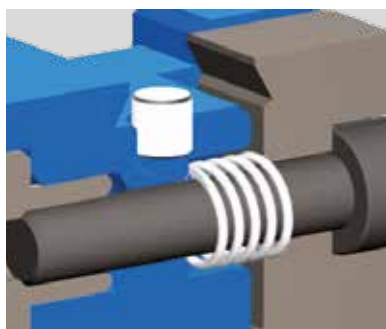


2

PERNO DI POSIZIONAMENTO CENTERING PIN

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

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



3

SERRAGGIO & RILASCIO GRADUALE CLAMPING & GRADUAL RELEASE

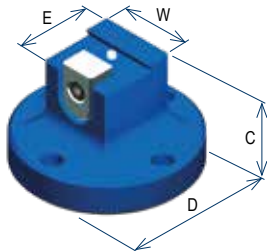
Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un'efficace chiusura. La molla all'interno permette un rilascio graduale del tassello di bloccaggio.

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

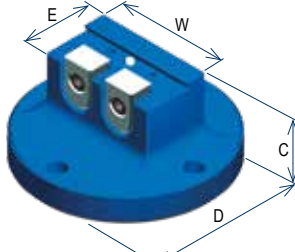
SISTEMA A CODA DI RONDINE in ALLUMINIO

ALUMINIUM DOVE TAIL FIXTURES

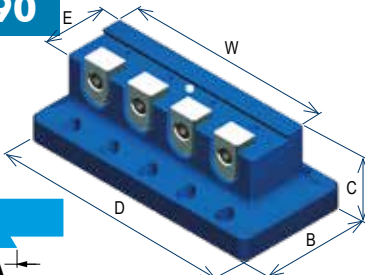


Tipo (grandezza) - (type) size (inch)		1	2	3	4	5	6	
Grandezza coda di rondine - Dove tail dimension		A"	0,281"	0,375"	0,5"	0,75"	1,5"	2,25"
Art.690 SINGOLO - SINGLE Tipo / Type 3 	Grandezza coda di rondine - Dove tail dimension	A	7,14	9,53	12,7	19,5	38,1	57,15
		C	50	50	50	50	70	70
		D	Ø56	Ø56	Ø76	Ø86	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		
€	777*	777*	807*	807*	807*	807*		

*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	
	€	-	-	807	807*	807*	1.255*	

*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	
	€	-	-	1.047*	1.940*	1.940*	1.940*	

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

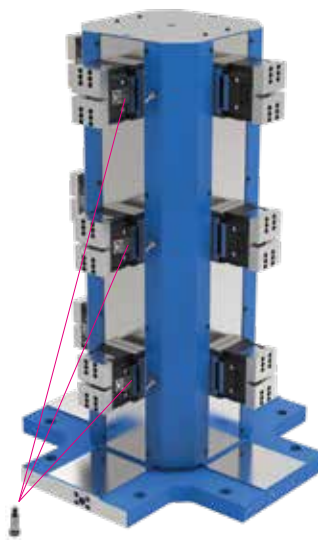
Art.690G								
Gruppo di serraggio completo per sistema a coda di rondine Complete clamping kit for Dove tail System			1	2	3	4	5	6
		Cod.	12.690.G001	12.690.G002	12.690.G003	12.690.G004	12.690.G005	12.690.G006
		€	100*	111*	111*	111*	147*	147*

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

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

PREDISPOSIZIONE e MONTAGGIO MORSE su SPALLE LAVORATE

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

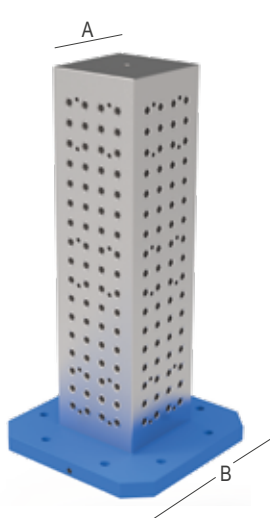
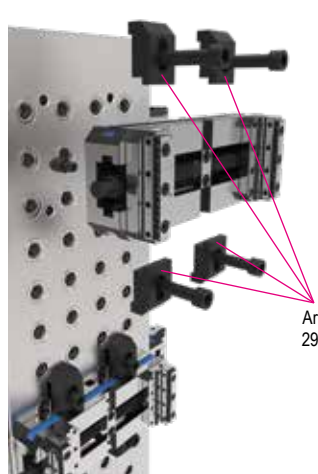
Cubo lavorato Art.57C Machined cube Art.57C	Tipo di morsa Vise type	Predisposizione e montaggio* Set-up & Mounting*	Cubo con morse Cube with vises
Cod. 8.57.C00140 Dim. A=300 / B=630 / E=150 / H=950 	€ 1.790 Art.670 Type 2 + 2x Art.671A €169  n°morse Vises n° x 12	€ 220 Per morsa / each vise  Importo 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. Tot. € 2.640	 Art.83 Tot. € 29.869
€ 3.721	Tot. € 23.508	Tot. € 2.640	Tot. € 29.869

* 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 € 227 Extra
 Certificate test € 227 Extra

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 	€ 1.314 Art.650 Tipo 2x240  n°morse Vises n° x 12	€ 110 Per morsa / each vise  Art. 296 Tot. € 1.320	 Tot. € 24.696
€ 7.608	Tot. € 15.768	Tot. € 1.320	Tot. € 24.696

* 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 € 227 Extra
 Certificate test € 227 Extra

Diagrammi serraggio / Clamping diagrams

Multitasking

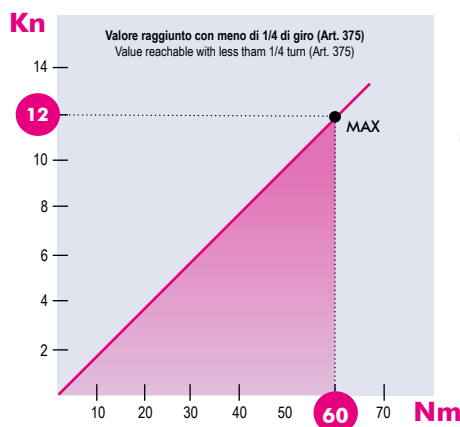
Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Art. 357

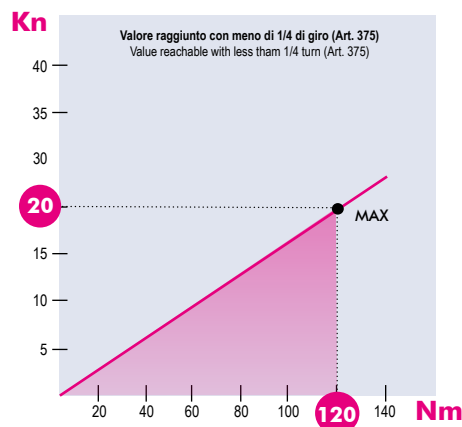
Morse tipo Vises type

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

1

Art. 357

Morse tipo Vises type

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

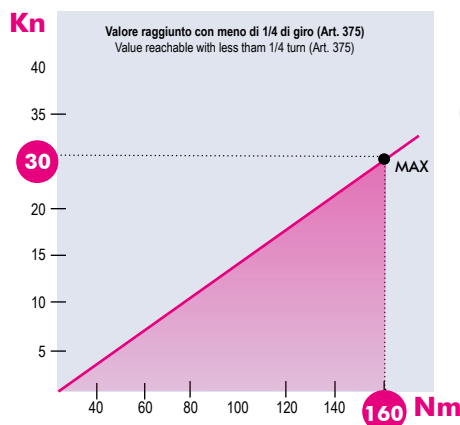
2


Gruppi di serraggio meccanici / Mechanical clamping devices

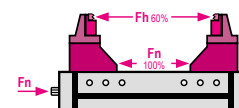
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione del momento applicato
 The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) depending on the torque

Morse tipo Vises type

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

3

Art. 357

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 plate, 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

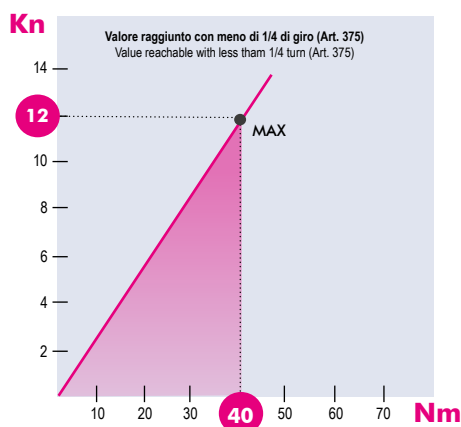
Mechanical clamping diagrams with torque wrench

Art. 357

Morse tipo Vises type

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

1

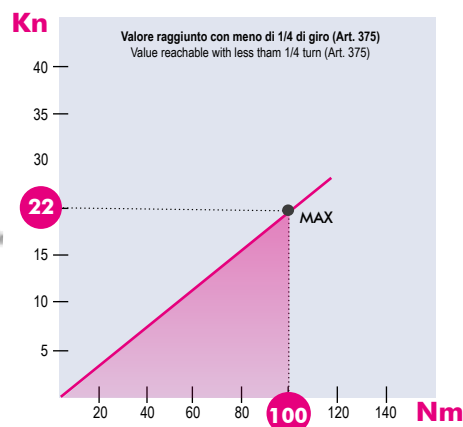


Art. 357

Morse tipo Vises type

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

2



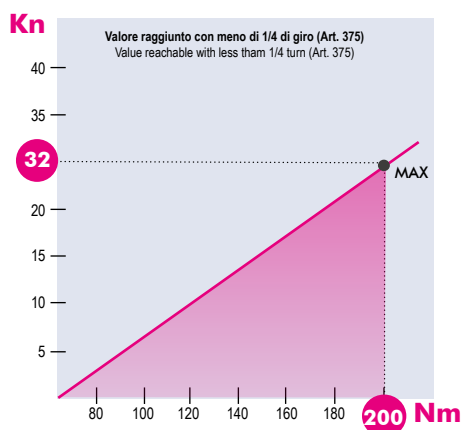
Gruppi di serraggio meccanici / Mechanical clamping devices

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 plate, 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)

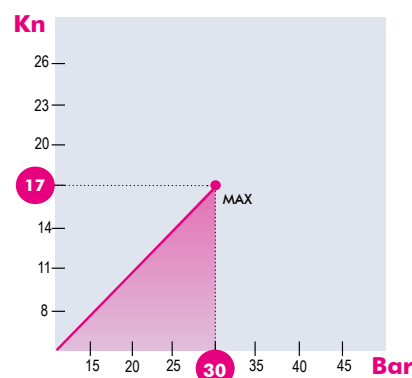
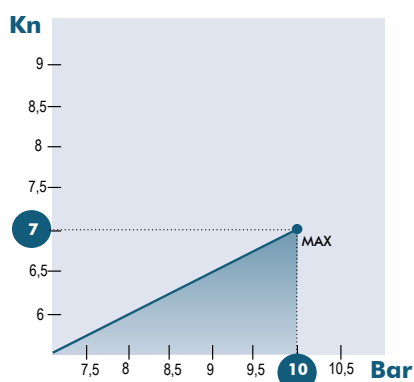
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 2 a 4). In funzione della pressione dei fluidi (aria e olio).
 The following diagrams give the clamping force that can be obtained with each vise type (size 2 to 4) as a function of the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

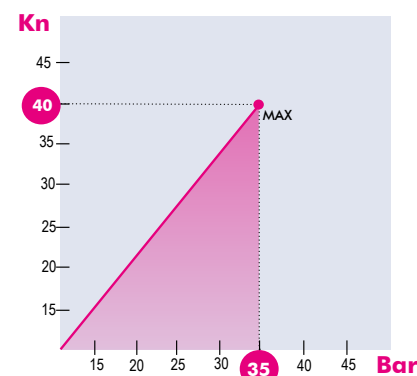
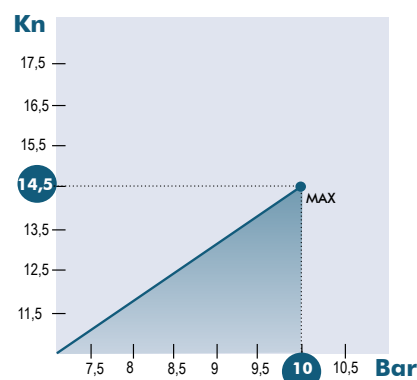


Morse tipo

Vises type

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

3
 (1 bar = 14,5 psi)

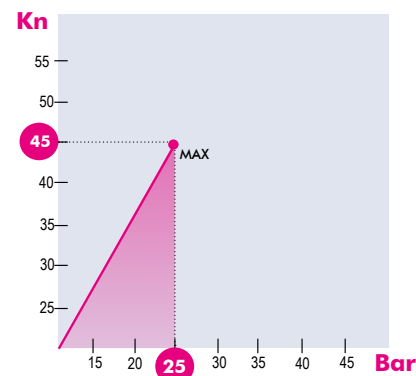
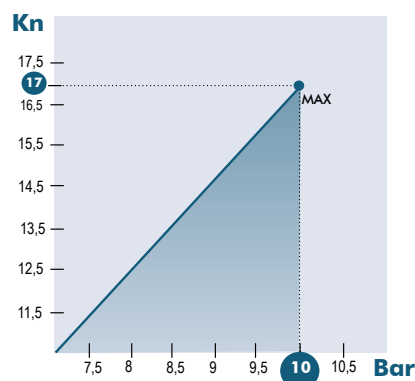


Morse tipo

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

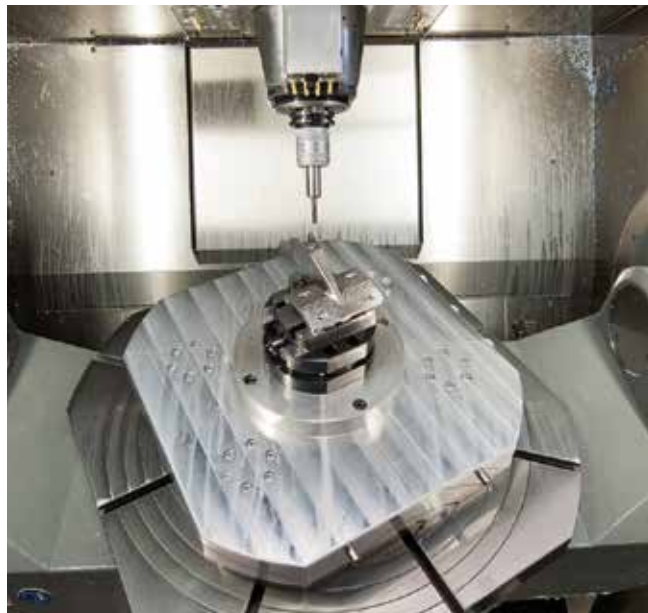
MULTITASKING VISES



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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Aperture Morse / Opening vise range

Scansiona il QR code e scarica la tabella con tutte le aperture delle morse CompactGrip

Scan the QR code to download the chart with all vise jaws opening



MORSE GRIPMATIC

GRIPMATIC VISES



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