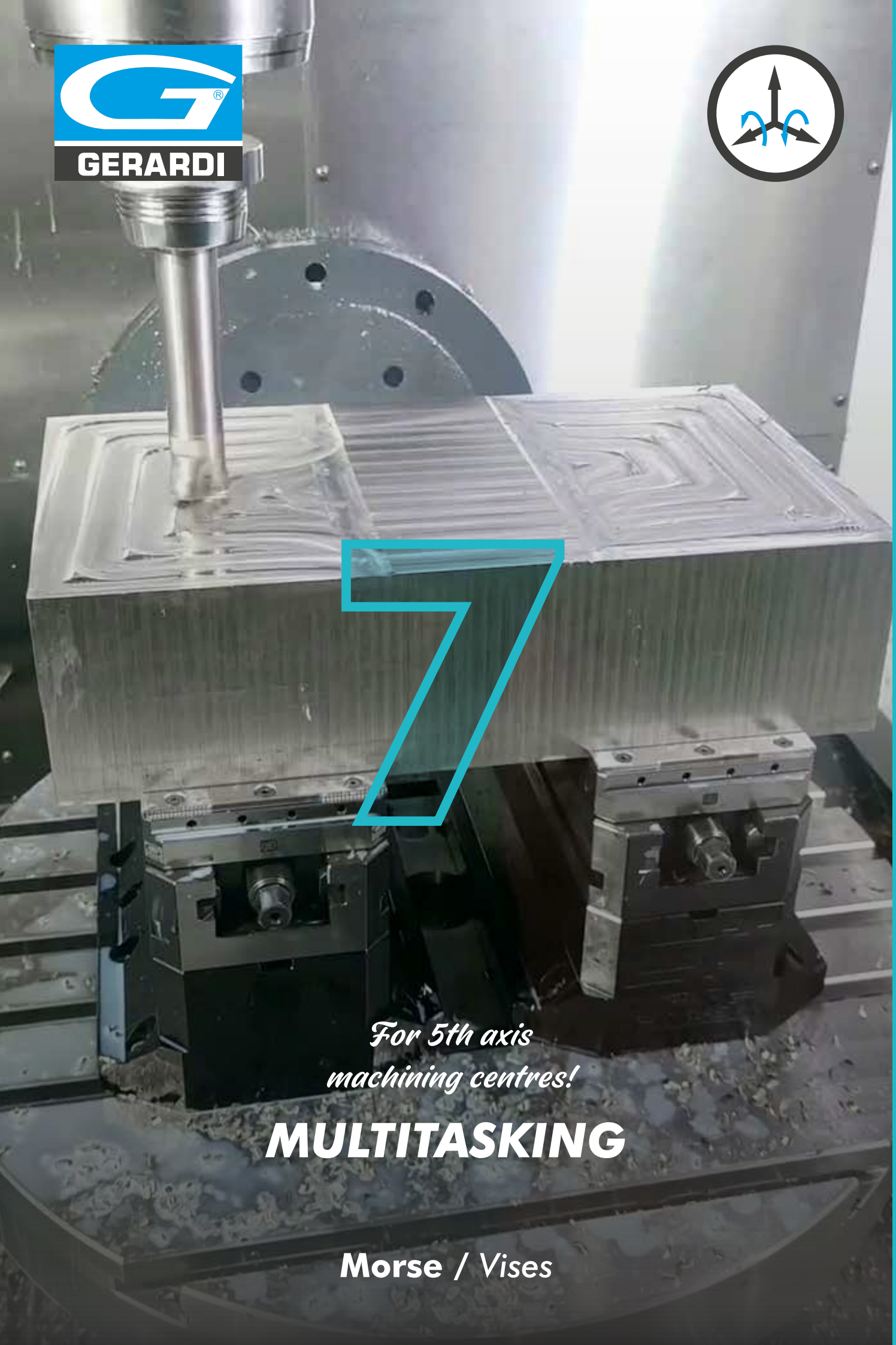


7

For 5th axis
machining centres!

MULTITASKING

Morse / *Vises*

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VALIGETTA DI CAMPIONATURA COMPACT GRIP
SAMPLE KIT CASE COMPACT GRIP

Art. 986



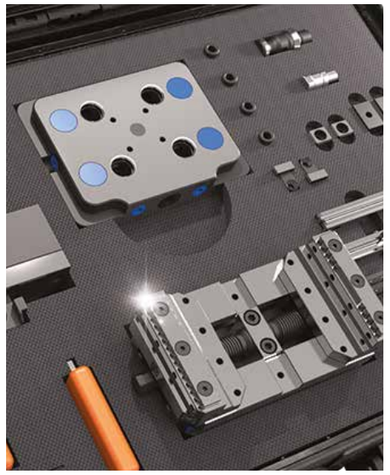
Morsa / Vise Art. 650

Cod. 0.98.60000

PRICE LIST €

Art. 650 - All'Interno - Inside:





SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

GANASCE JAWS

- 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

PIASTRE GANASCE JAW PLATES

- 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

OPZIONI LAVORAZIONI EXTRA
OPTIONS FOR EXTRA MACHINING

Nei codici, **FMS** si riferisce agli articoli dei gruppi 5, 6 e 7.
In codes, **FMS** refers to articles in groups 5, 6 and 7.

Lavorazione extra / Extra machining	Cod.
AGGIUNTA di un foro calibrato / ADDITION of a calibrated hole	MAN-010-FMS
AGGIUNTA di una chiavetta calibrata / ADDITION of a calibrated key-way	MAN-020-FMS
PREDISPOZIONE SEMPLICE / SIMPLE SET UP	MAN-030-FMS
PREDISPOSIZIONE & MONTAGGIO COMPLETO / COMPLETE SET UP & MOUNTING	MAN-040-FMS
MONTAGGIO PARZIALE / PARTIAL ASSEMBLY	MAN-050-FMS

Lavorazione extra / Extra machining	Cod.
MONTAGGIO SEMPLICE / SIMPLE ASSEMBLY	MAN-060-FMS
MONTAGGIO ed ALLINEAMENTO (Standard) / (Standard) ASSEMBLY and ALIGNMENT	MAN-070-FMS
MONTAGGIO VERTICALE / COMPLETE VERTICAL ASSEMBLY	MAN-080-FMS
ALLINEAMENTO e CONTROLLO tramite DEA / ALIGNMENT and CONTROL by DEA \ CMM	MAN-090-FMS
TABULATO controllo DEA / PRINTOUT DEA control	MAN-100-FMS

Vedi pagina 7.64 per esempi applicativi - See page 7.64 for application examples

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
±0,02mm

HRC

Durezza / Hardened
HRC 58±2

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

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

SCAN IT TO SEE
THE WEB PAGE

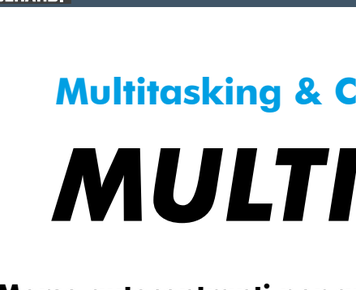
5 YEARS WARRANTY

Autocentranti e Compatte
Selfcentering & Compact

SERIE MULTITASKING
MULTITASKING SERIES

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

Jaws widhts from 75 to 140 mm. Direct vise set-up or through vise clamps / Positioning through ground holes or keyways / Self-centering with possibility to clamping from outside to inside and viceversa / Eccentric jaw adjustment in steps of 1 mm (Multiaxis self-centering) / Minimum deflection and overall dimensions / Solid and rigid construction and maximum clamping ratio to the total lenght / Series of interchangeables jaws available / Solid jaws (integral with the slides) for highest rigidity

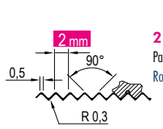


Art. 640

Multitasking

Le tonde - The rounded





2 mm
Passo delle righe
Rows pitch



Versatilità - Versatility

Possibilità di posizionare, aggiungere o rimuovere le ganasce su qualsiasi posizione della dentatura della base.

Possibility of jaws positioning, addition or remove on whatever position on the vise base teeth



Autocentranti
Self-centering

Veloce sistema di regolazione autocentrante regolabile dall'alto tramite tasselli di azzeramento forniti in dotazione
Easy self-centering adjustment from the top by key-nuts supplied as standard equipment.





Versatilità - Versatility

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





Ganasce Reversibili
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.



Maggior forza di serraggio
Highest clamping force

Design più compatto e leggero e maggior forza di serraggio rispetto a tutte le morse oggi sul mercato. Questo grazie alle viti di serraggio, alla loro posizione più prossima al particolare da lavorare e al design integrale di slitte e ganasce.

The most compact and lightweight vise, with greater clamping force than any other on the market. This thanks the innovative design of the clamping screws, which are positioned closer to the workpiece for maximum grip and the integral design of slides and jaws.

Caratteristiche e Vantaggi:
Features and Advantages:

- √ USURA INESISTENTE
- √ RAPIDITA' DEI SERRAGGI
- √ MODULARITA' & VERSATILITA'
- √ PRECISIONI ± 0,02 mm
- √ RIGIDITA' & SICUREZZA
- √ DESIGN COMPATTO E MANEGGEVOLEZZA
- √ AUTOCENTRANTI
- √ PREDISPOSIZIONE PER ZERO POINT
- √ RIALZI COMPATIBILI

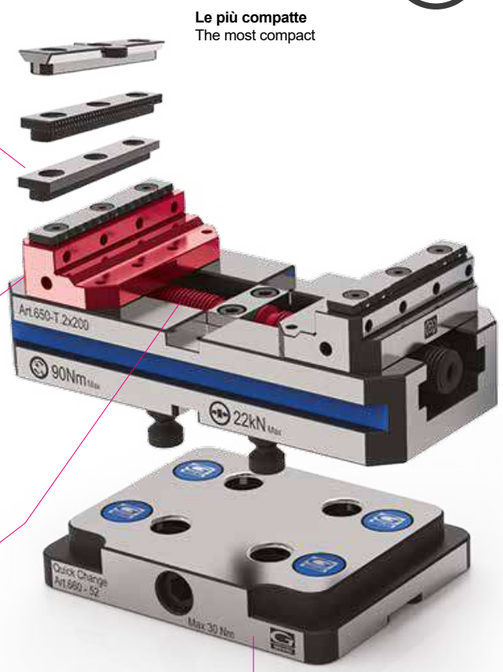
- √ NO WEAR
- √ QUICK CLAMPING
- √ MODULARITY & VERSATILITY
- √ HIGHEST ACCURACIES ± 0,02 mm
- √ RIGIDITY & SAFETY
- √ COMPACT DESIGN & HANDLING
- √ SELF-CENTERING
- √ ZERO POINT READY
- √ COMPATIBLE RISERS

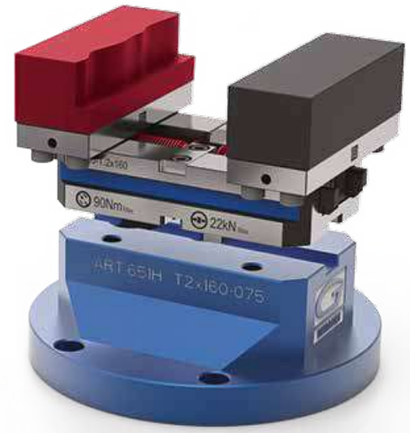
Art. 650

CompactGrip

Le più compatte
The most compact







Art. 950

Con ganasce lavorabili
With soft machineable jaws

Art. 651H

Rialzo Semplice
Simple Riser



Piastra a cambio rapido
Quick change plate

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

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

Art. 660

Piastra a cambio rapido
Quick Change plate

Staffe di ancoraggio / *Vise holding clamps*

NEW 2026

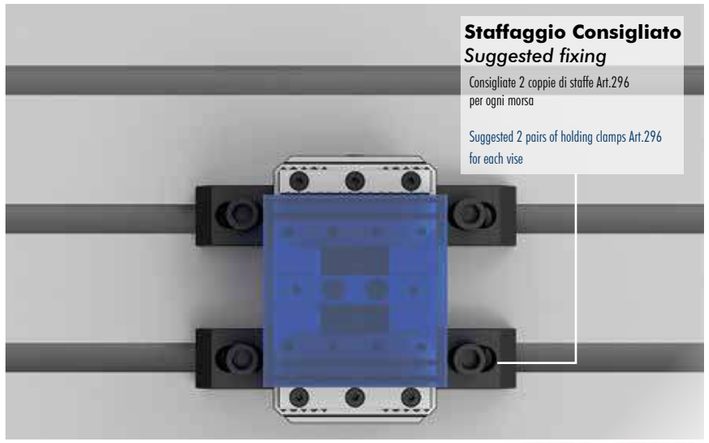
CompactGrip

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

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

Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm
Oppure con codice: 2.29.6100 X=18mm

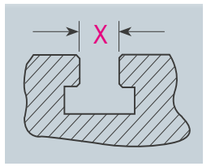
Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm
Also with code: 2.29.6100 X=18mm



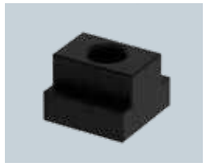
Art.298/CGR



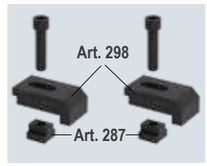
Per lo staffaggio della morsa in spazi ristretti possibilità di usare staffe Art. 298 / CGR vedi pag. 7.29)
For clamping vise in narrow space it's possible to use the holding clamps Art 298 / CGR see pages 7.29



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

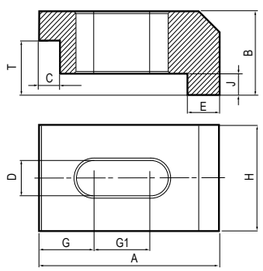


Art.287 (Pag.4.34)
Dadi a T - *T Nuts*
Per fissaggio morse alle cave a T della macchina
For vise clamping on the machine T-slots



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

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



* *Scelta consigliata - Suggested choice*

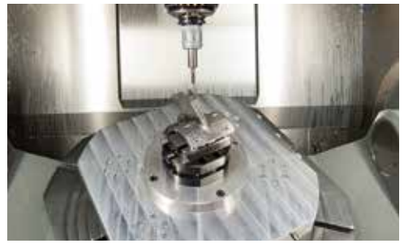
* *Scelta NON consigliata - NO Suggested choice*

Soluzioni personalizzate / *Customized solutions*

4th & 5th Axis

Soluzioni personalizzate a tutti i vostri problemi di serraggio

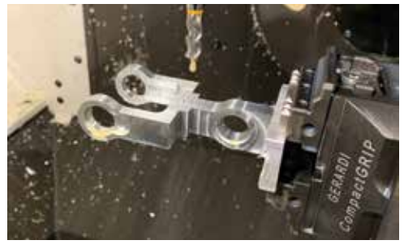
Customized solutions for all your clamping problems



Morsa Multitasking su centro a 5 assi
Multitasking vise on 5th axis machining center

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

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



Morsa CompactGrip su centro a 5 assi
CompactGrip vise on 5th axis machining center

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

Milling machining operations on a five axis machining center with CompactGrip vises Art650



Morsa CompactGrip su rialzo semplice
Compact Grip vise on simple riser

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

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



Morse CompactGrip su piastra Zero Point
CompactGrip vises on Zero Point plate

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

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



Un sistema completamente automatico
Fully automatic system

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

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

Tipo (grandezza) morsa / Vise type (size)	kN	1	2
		16 kN	20 kN
Art. 640	A	65	95
Tipo / Type **1 e 2**	A1	20	40
Morsa autocentrante o eccentrica.	W	74	99
Azionamento manuale. Serraggio meccanico.	B	15	20
Self-centering or eccentric vise.	C	50	70
Manual operation. Mechanical clamping.	D	Ø120	Ø160
	E	35	35
Art. 640T	F	92	120
Tipo / Type **1 e 2**	G	20	25
Morsa autocentrante o eccentrica	H	156	208
con ganasce grip Art. 645T.	L	M12	M16
Azionamento manuale. Serraggio meccanico.	M	9	11
Self-centering or eccentric vise	kg	4,9	11
with grip jaws Art. 645T.	Cod.	6.64.01000 / 6.64.0T100	6.64.02000 / 6.64.0T200
Manual operation. Mechanical clamping.			

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 641H *Tipo / Type* **1**
Rialzo Semplice / Simple Riser

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

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

Art. 641H *Tipo / Type* **2**
Rialzo Semplice / Simple Riser

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

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

Art. 645B Ganascia dolce / Soft jaw	Cod.	6.64.5B100	6.64.5B200
Art. 645C Ganascia liscia / Smooth jaw	Cod.	6.64.5C100	6.64.5C200
Art. 645D Ganascia zigrinata / Serrated jaw	Cod.	6.64.5D100	6.64.5D200
Art. 645E Ganascia a gradino / Step jaw	Cod.	6.64.5E100	6.64.5E200
	In Dotazione - Standard Equipment		
Art. 645F Ganascia prismatica / Prismatic jaw	Cod.	6.64.5F100	6.64.5F200
Art. 645T Ganascia GRIP / GRIP jaw	Cod.	6.64.5T100	6.64.5T200

Dotazione standard:
- 1 chiave a pipa Art. 375 ■ 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297 cava a T 16 mm

Art. 640 / Art. 640T
Art. 645E / Art. 645T
Art. 370
Art. 297
Art. 375

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

Art. 640 *Tipo / Type* **1 e 2**
Con ganasce grip Art. **645E**
With grip jaws Art. **645E**

Art. 640T
Con ganasce grip Art. **645T**
With grip jaws Art. **645T**

Tipo (grandezza) morsa / Vise type (size)	kN	3	
		30 kN	
Art. 640 *Tipo / Type* **3 x 166**	A	108	
	A1	20	
	W	138	132
	B	30	50
	C	58	
Art. 640T *Tipo / Type* **3 x 166**	D	166	
	E	-	
	kg	13	
	Cod.	7.64.03166	7.64.0T3166

Tipo (grandezza) morsa / Vise type (size)	kN	3	
		30 kN	
Art. 640 *Tipo / Type* **3 x 266**	A	208	
	A1	60	
	W	138	132
	B	30	50
	C	58	
Art. 640T *Tipo / Type* **3 x 266**	D	266	
	E	200	
	kg	20	
	Cod.	7.64.03266	7.64.0T3266

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

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

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

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

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

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

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

Art. 645B Ganascia dolce / Soft jaw	Cod.	7.64.5B300
Art. 645C Ganascia liscia / Smooth jaw	Cod.	7.64.5C300
Art. 645D Ganascia zigrinata / Serrated jaw	Cod.	7.64.5D300
Art. 645E Ganascia a gradino / Step jaw	Cod.	7.64.5E300
	In Dotazione - Standard Equipment	
Art. 645F Ganascia prismatica / Prismatic jaw	Cod.	7.64.5F300
Art. 645T Ganascia GRIP / GRIP jaw	Cod.	7.64.5T300

Dotazione standard:
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376 ■ 1 arresto laterale Art. 370

Art. 375
Art. 640 / Art. 640T
Art. 645E / Art. 645T
Art. 370
Art. 376

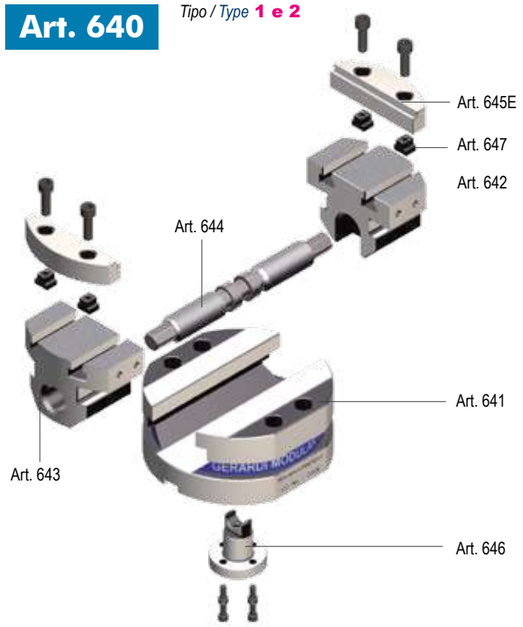
Standard equipment:
- 1 box wrench Art. 375 ■ 1 "T" wrench Art. 376 ■ 1 workstop Art. 370

Art. 640 *Tipo / Type* **3**
Con ganasce grip Art. **645E**
With grip jaws Art. **645E**

Art. 640T
Con ganasce grip Art. **645T**
With grip jaws Art. **645T**

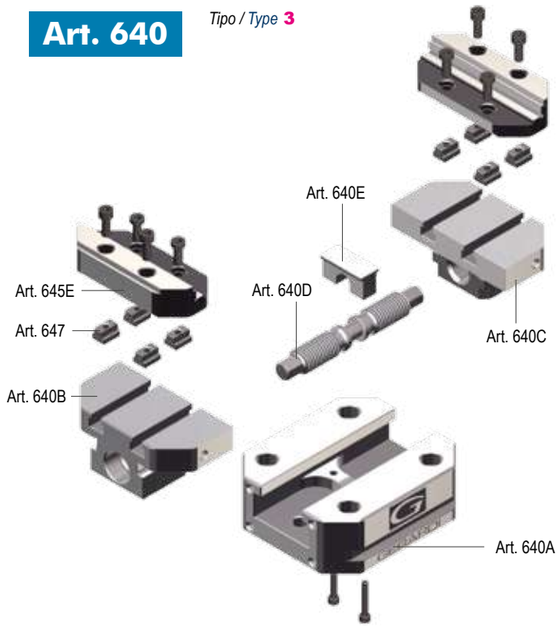
Art. 640

Tipo / Type **1 e 2**



Art. 640

Tipo / Type **3**



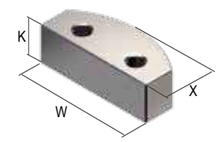
Tipo (grandezza) / Type (size)	1	2
Art. 641 Corpo base / Base body	Cod. 6.64.11000	6.64.12000
Art. 642 Slitta integrale destra / Solid slide right hand	Cod. 6.64.21000	6.64.22000
Art. 643 Slitta integrale sinistra / Solid slide left hand	Cod. 6.64.31000	6.64.32000
Art. 644 Vite di bloccaggio / Main screw	Cod. 6.64.41000	6.64.42000
Art. 645E Ganascia a gradino / Step jaw	Cod. 6.64.5E100	6.64.5E200
Art. 646 Forcella / Yoke	Cod. 6.64.61000	6.64.62000
Art. 647 Dado a T (Cad.) / T nut (Each)	Cod. 6.64.71000	6.64.72000

Tipo (grandezza) / Type (size)	3x166	3x266
Art. 640A Corpo base / Base body	Cod. 7.64.0A3166	7.64.0A3266
Art. 640B Slitta integrale sinistra / Solid slide left hand	Cod. 7.64.0B3166	7.64.0B3266
Art. 640C Slitta integrale destra / Solid slide right hand	Cod. 7.64.0C3166	7.64.0C3266
Art. 640D Vite di bloccaggio / Main screw	Cod. 7.64.0D3166	7.64.0D3266
Art. 640E Forcella / Yoke	Cod. 7.64.0E3166	7.64.0E3266
Art. 645E Ganascia a gradino / Step jaw	Cod. 7.64.5E300	
Art. 647 Dado a T (Cad.) / T nut (Each)	Cod. 7.64.73000	

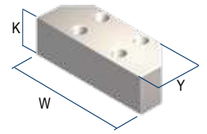
GANASCE PER MORSE MULTITASKING Art.640
JAWS FOR MULTITASKING VISES Art.640

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

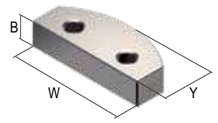
Art. 645B* Ganascia dolce / Soft jaw



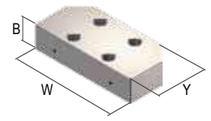
	1	2	3	
K	20	30		50
X	27,5	42,5		-
Cod.	6.64.5B100	6.64.5B200		7.64.5B300



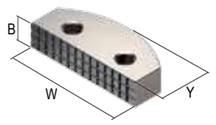
Art. 645C* Ganascia liscia / Smooth jaw



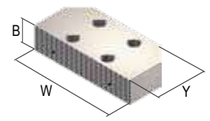
Cod.	6.64.5C100	6.64.5C200	7.64.5C300



Art. 645D* Ganascia zigrinata / Serrated jaw

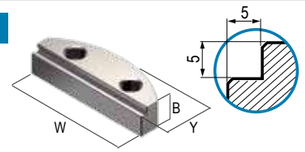


Cod.	6.64.5D100	6.64.5D200	7.64.5D300

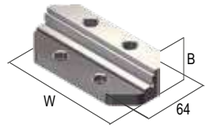


Art. 645E* Ganascia a gradino / Step jaw

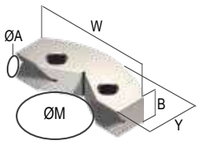
In Dotazione / Standard Equipment



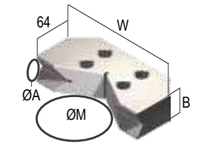
Cod.	6.64.5E100	6.64.5E200	7.64.5E300



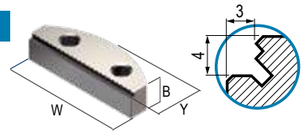
Art. 645F* Ganascia prismatica / Prismatic jaw



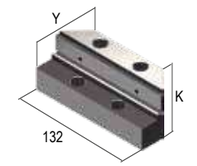
ØA	7 ÷ 15	9 ÷ 20	12 ÷ 30
ØM	25 ÷ 70	35 ÷ 110	50 ÷ 160
Cod.	6.64.5F100	6.64.5F200	7.64.5F300



Art. 645T* Ganascia GRIP Jaw



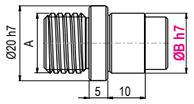
Cod.	6.64.5T100	6.64.5T200	7.64.5T300



* Viti per fissaggio a richiesta — Fixing screws on request

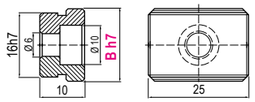
Tipo (grandezza) / Type (size)	1	2	3
Art. 79 Perno calibrato per centraggio e orientamento / Calibrated centering and orientation pin	ØA M16	M12	M16
	ØB 10 - 12 - 14 - 16 - 18 - 20		
	Cod. 7.79.20M16/ØB	7.79.20M12/ØB	7.79.20M16/ØB





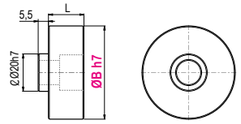
Art. 297 Coppia di tasselli di posizionamento completi di vite M5 x 10 / Pair of positioning key-nuts with M5 x 10 clamping screw	B 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36
	Cod. 2.29.71000/B





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





* *Specificare sempre quota B & L - Specify always B & L dimensions*

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

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



Self-centering or eccentric vise.
Manual operation
Mechanical clamping

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 641H *Tipo / Type* **1**



Rialzo Semplice
Simple Riser

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

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

Art. 641H *Tipo / Type* **2**



Rialzo Semplice
Simple Riser

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

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

Art. 655B
Piastra ganascia dolce
Soft jaw-plate



Cod.	7.65.5B100	7.65.5B200

Art. 655C
Piastra ganascia liscia
Smooth jaw-plate



Cod.	7.65.5C100	7.65.5C200

Art. 655D
Piastra ganascia zigrinata
Serrated jaw-plate



Cod.	7.65.5D100	7.65.5D200

Art. 655F
Piastra ganascia prismatica
Prismatic jaw-plate



Ø	10 ÷ 18	10 ÷ 30
Cod.	7.65.5F118	7.65.5F230
Ø	15 ÷ 30 * 20 ÷ 35	25 ÷ 45
Cod.	7.65.5F123	7.65.5F245

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

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

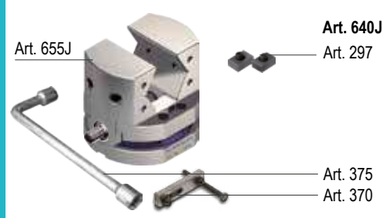
Da usare in coppia / To be used as a pair



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

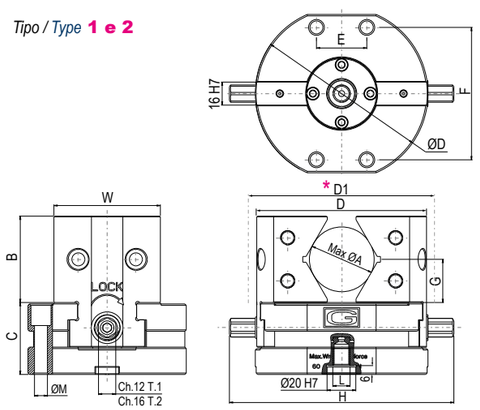
In Dotazione - Standard Equipment

Dotazione standard:
- 1 chiave a pipa Art. 375
- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297 cava a T 16 mm



Standard equipment:
- 1 box wrench Art. 375
- 1 workstop Art. 370
- 1 pair of positioning key-nuts Art. 297 T slot 16 mm

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



Tipo (grandezza) morsa Vise type (size)	kN	3 30 kN
Art. 640J *Tipo / Type* **3 x 166**	Ø A	44 ÷ 68
	A1	-
	W	78
	B	75
	C	58
	D	166
	E	-
	G	45
	kg	15
	Cod.	7.64.0J310

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



Self-centering
or eccentric vise.
Manual operation
Mechanical clamping

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

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico



Self-centering or eccentric vise.
Manual operation
Mechanical clamping

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

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



Rialzo Semplice
Simple Riser

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

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

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



Rialzo Semplice
Simple Riser

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

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

Art. 655B
Piastra ganascia dolce
Soft jaw-plate



Cod.	7.65.5B316

Art. 655C
Piastra ganascia liscia
Smooth jaw-plate



Cod.	7.65.5C316

Art. 655D
Piastra ganascia zigrinata
Serrated jaw-plate



Cod.	7.65.5D316

Art. 655F
Piastra ganascia prismatica
Prismatic jaw-plate



Tipo / Type **3 x 166** Ø Min / Ø Max	12 ÷ 32	14 ÷ 34	16 ÷ 36	18 ÷ 45
Tipo / Type **3 x 266** Ø Min / Ø Max	12 ÷ 38	14 ÷ 48	16 ÷ 58	24 ÷ 65
Cod	7.65.5F330	7.65.5F335	7.65.5F345	7.65.5F350

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

Da usare in coppia / To be used as a pair



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

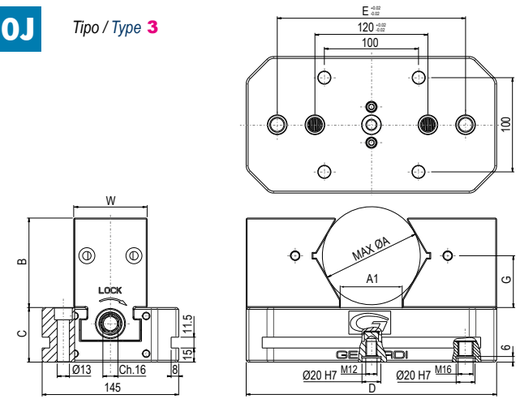
In Dotazione - Standard Equipment

Dotazione standard:
- 1 chiave a pipa Art. 375
- 1 arresto laterale Art. 370



Standard equipment:
- 1 box wrench Art. 375
- 1 workstop Art. 370

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



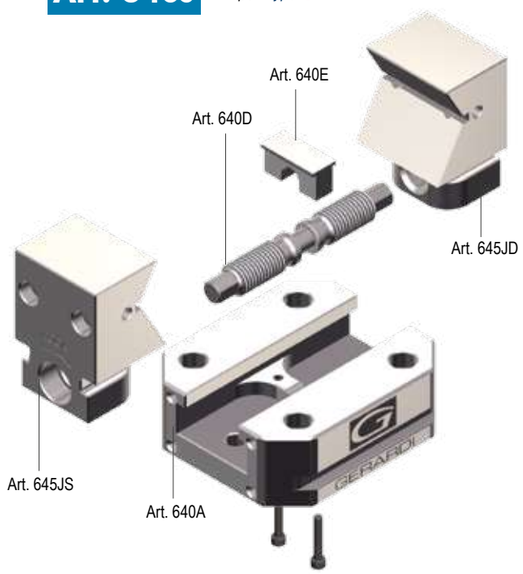
Art. 640J

Tipo / Type **1 e 2**



Art. 640J

Tipo / Type **3**



Tipo (grandezza) / Type (size)		1	2
Art. 641 Corpo base / Base body	Cod.	6.64.11000	6.64.12000
Art. 644 Vite di bloccaggio / Main screw	Cod.	6.64.41000	6.64.42000
Art. 646 Forcella / Yoke	Cod.	6.64.61000	6.64.462000
Art. 645JS* Ganascia integrale prismatica sx / Solid prismatic left jaw	Cod.	7.64.5JS10	7.64.5JS20
Art. 645JD* Ganascia integrale prismatica dx / Solid prismatic right jaw	Cod.	7.64.5JD10	7.64.5JD20

Tipo (grandezza) / Type (size)		3x166	3x266
Art. 640A Corpo base / Base body	Cod.	7.64.0A3166	7.64.0A3266
Art. 640D Vite di bloccaggio / Main screw	Cod.	7.64.0D3166	7.64.0D3266
Art. 640E Forcella / Yoke	Cod.	7.64.0E3166	7.64.0E3266
Art. 645JD* Ganascia integrale prismatica dx / Solid prismatic right jaw	Cod.	7.64.5JD316	7.64.5JD326
Art. 645JS* Ganascia integrale prismatica sx / Solid prismatic left jaw	Cod.	7.64.5JS316	7.64.5JS326

* **Art. 645JS** + **Art. 645JD** = **Art. 655J** *Tipo / Type* **3**

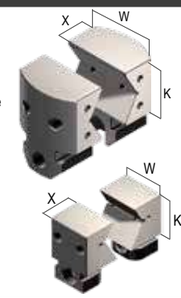


* **Art. 645JS** + **Art. 645JD** = **Art. 655J** *Tipo / Type* **1 - 2**

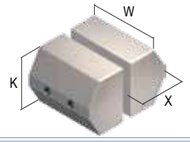
GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.640J

JAWS & JAW PLATES FOR MULTITASKING VISES Art.640J

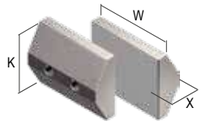
Tipo (grandezza) / Type (size)		1	2	3	
Art. 655J *Tipo / Type* **1 - 2** Coppia di ganasce integrali prismatiche / Prismatic solid jaws (1 pair)	W	74	99	78	78
	K	60	80	75	95
	X	49	59	59	95
	Ø	30 ÷ 45	45 ÷ 70	44 ÷ 68	48 ÷ 102
	Cod.	7.65.5J100	7.65.5J200	7.65.5J316	7.65.5J326
Art. 655J *Tipo / Type* **3**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



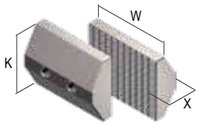
Art. 655B Piastra ganascia dolce / Soft jaw-plate	K	55	70	60
	X	38	54	49
	Cod.	7.65.5B100	7.65.5B200	7.65.5B316



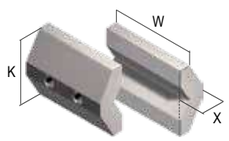
Art. 655C Piastra ganascia liscia / Smooth jaw-plate	K	55	70	60
	X	23	32	24
	Cod.	7.65.5C100	7.65.5C200	7.65.5C316



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

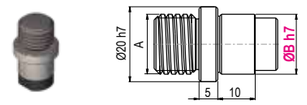


Tipo (grandezza) / Type (size)		1	2	3x166	3x266
Art. 655F Piastra ganascia prismatica / Prismatic jaw-plate	K	43	54	60	60
	X	17	22	24	24
	Ø	10 ÷ 18	10 ÷ 30	12 ÷ 32	12 ÷ 38
	Cod.	7.65.5F118	7.65.5F230	7.65.5F330	
	Ø	15÷23-23÷30 *	25 ÷ 45	14 ÷ 34	12 ÷ 38
	Cod.	7.65.5F123	7.65.5F245	7.65.5F335	
	Ø	-	-	16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

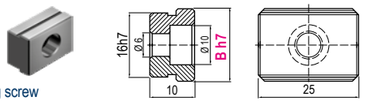


* Per Ø 23÷30 ingombro max. (D1) = **132**mm Ø (anzichè 120mm)
For Ø 23÷30 max overall dimension (D1) Ø**132**mm (instead of 120mm)

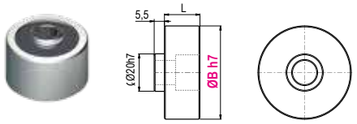
Tipo (grandezza) / Type (size)		1	2	3
Art. 79 Perno calibrato per centraggio e orientamento / Calibrated centering and orientation pin	ØB	-	-	10-12-14-16-18-20
	Cod.	-	-	7.79.20M16/ØB



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



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

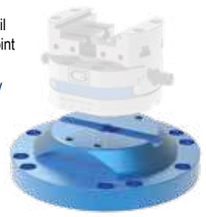


* ***Specificare sempre quota B - Specify always B dimension***

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

Tipo (grandezza) rialzo / Riser type		1			2		
Art. 641H *Tipo / Type* **1 e 2**	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

Rialzo semplice, compatibile con il sistema Zero Point
Simple riser Zero Point ready



ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

KIT Fissaggio morsa su rialzo Fixing vise on riser KIT Art.79 / VTCEI	Cod.	7.64.1K100	7.64.1K200

Tipo (grandezza) rialzo / Riser type (size)		3 x 166		
Art. 641H *Tipo / Type* **3 x 166**	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



ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

KIT Fissaggio morsa su rialzo Fixing vise on riser KIT Art.79 / VTCEI	Cod.	7.64.1K300
	€	60

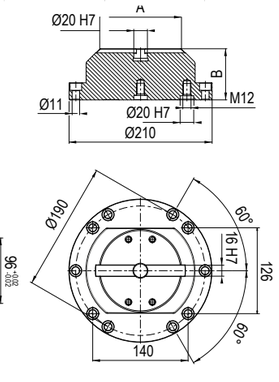
Tipo (grandezza) rialzo / Riser type (size)		3 x 266		
Art. 641H *Tipo / Type* **3 x 266**	A	266		
	B	50	75	100
	C	310		
	D	286		
	kg	5,8	8,3	10,7
	Cod.	7.64.1H3266AL/050	7.64.1H3266AL/075	7.64.1H3266AL/100



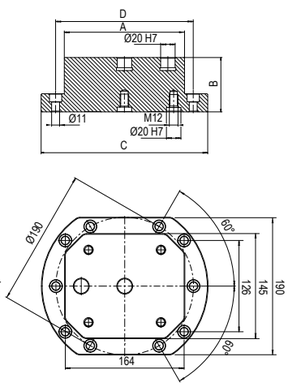
ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

KIT Fissaggio morsa su rialzo Fixing vise on riser KIT Art.79 / VTCEI	Cod.	7.64.1K300

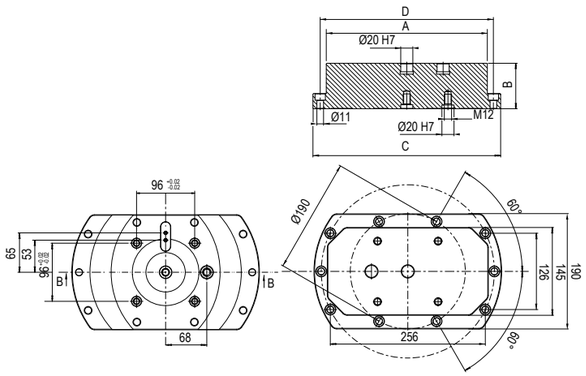
Tipo (grandezza) Riser (type) size	1 e 2
Art. 641H	



Tipo (grandezza) Riser (type) size	3 x 166
Art. 641H	



Tipo (grandezza) Riser (type) size	3 x 266
Art. 641H	

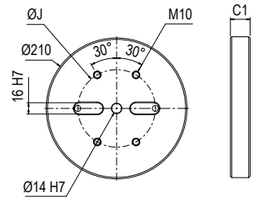


PIASTRE di INTERFACCIA
INTERFACE PLATES

Tipo (grandezza) Riser (type) size	1 e 2
Art. 62M	ØJ 190
Multitasking	C1 28
Piastra di interfaccia lavorabile Machineable interface plate	Cod. 62M641H1000S

Personalizzazione non inclusa - Customization not included



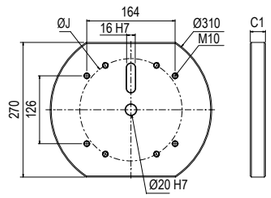


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza) Riser (type) size	3 x 166
Art. 62M	ØJ 190
Multitasking	C1 28
Piastra di interfaccia lavorabile Machineable interface plate	Cod. 62M641H3166S

Personalizzazione non inclusa - Customization not included



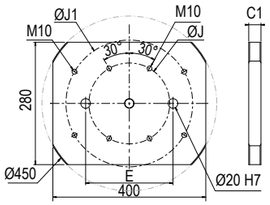


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza) Riser (type) size	3 x 266
Art. 62M	ØJ 260
Multitasking	C1 28
Piastra di interfaccia lavorabile Machineable interface plate	Cod. 62M641H3266S

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

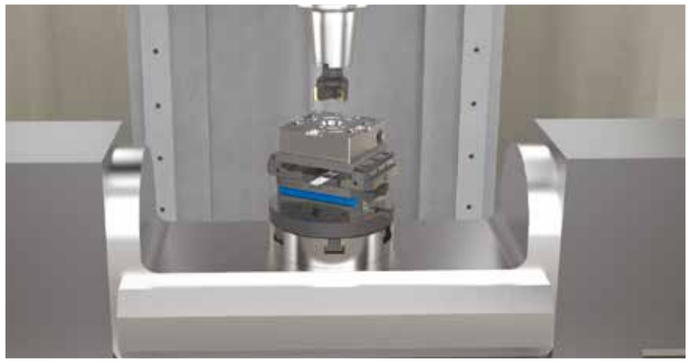
La novità assoluta per centri a 5 assi e sistemi multipli sono le morse autocentranti Compact Grip. Il loro nome accosta le principali peculiarità della morsa date dall'estrema compattezza e maneggevolezza al nome del sistema di inserti che adotta, cosidetto "GRIP". Questo sistema consiste in una gamma di inserti ganascia modulari montati sopra al corpo ganascia principale con la funzione di serrare il particolare da lavorare tramite dei dentini affilati o conformati a seconda del tipo di materiale e di durezza.

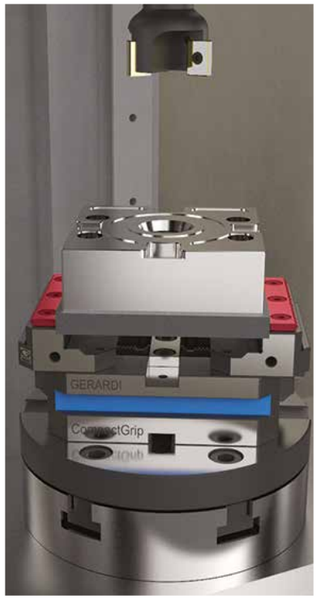
The absolute news for 5 axis machine centres and new multiclamping system are the self-centering Compact Grip vises. Their name indentifies the main vise features which are the extreme compactness and easiest handling and the system of inserts which adopts,
so called "GRIP". This system includes a range of jaw plates assembled on the top of the main jaw with the function of clamping the workpiece through sharp or duly shaped teeth according to the material type and hardness to clamp.

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 th e workpiece and finish the workpiece

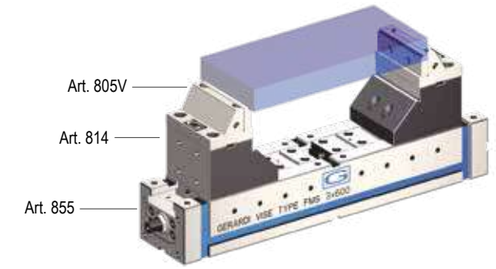
MORSE FMS
FMS VISES

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

Ganasce alte e rialzate
High and raised jaws

lavorazioni a 5 assi
5 axis machining

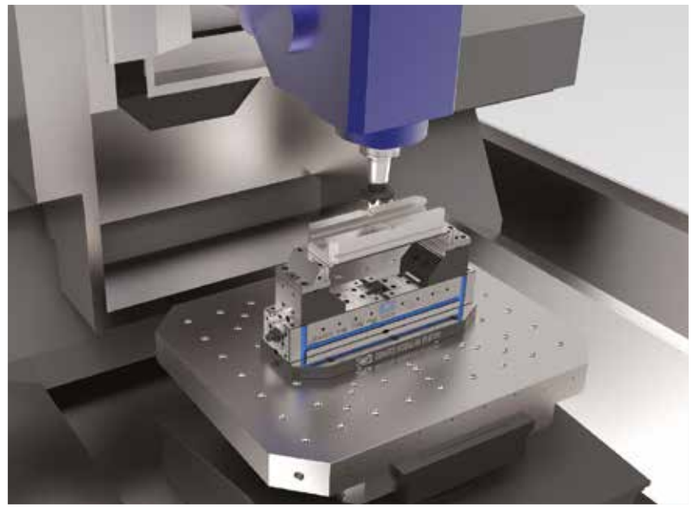
Predisposizione
Zero Point
Zero Point ready

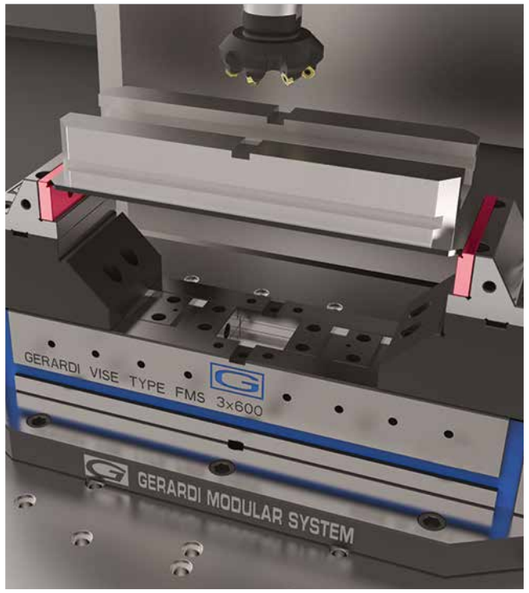


Art.868 FMS series

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

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





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



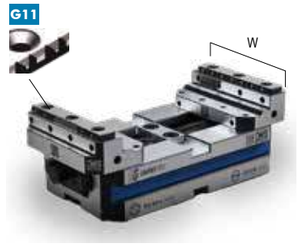
Dettaglio serraggio tramite piastrina GRIP Art.247T
Detail of clamping by GRIP jaw plate Art.247T

Tipo (grandezza) morsa / Vise type (size)	kN	1 12 kN		2 22 kN
Art. 650 *Tipo / Type* **1x120**	A	54	94	134
Morsa Autocentrante CompactGrip con ganasce reversibili, ideale per centri a 5 assi.	W	50	50	50
G11	E	80	120	160
	kg	1,9	2,7	3,4
	Cod.	7.65.01080	7.65.01120	7.65.01160



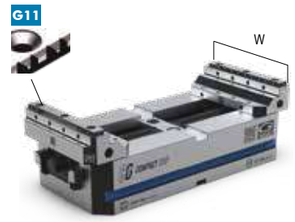
Self-centering CompactGrip vise with reversible jaws, Ideal for five axis centres.

Art. 650 *Tipo / Type* **2x160** — G11



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

Art. 650 *Tipo / Type* **3x310** — G11



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 651H *Tipo / Type* **1**
Rialzo Semplice
Simple Riser



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

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

Art. 651H *Tipo / Type* **2**
Rialzo Semplice
Simple Riser



Kit di fissaggio e allinamento morsa **incluso**

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

Vise fixing and allignement kit **included**

Art. 651H *Tipo / Type* **3**
Rialzo Semplice
Simple Riser



100				
7.65.1H3160 / 100	7.65.1H3210 / 100	7.65.1H3260 / 100	7.65.1H3310 / 100	7.65.1H3360 / 100

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

Art. 660
Interasse / Type **52 mm**
Piastra cambio rapido
Quick change plate



Cod.	9.66.05200

Vedi gamma completa - See the complete range Page 7.34 / 7.35

Art. 660
Interasse / Type **52 mm**
Piastra cambio rapido
Quick change table



Vedi gamma completa Pag. 7.34 / 7.35

Art. 660

Cod.	9.66.05200

See the complete range Page 7.34 / 7.35

Art. 660
Interasse / Type **96 mm**
Piastra cambio rapido
Quick change table



9.66.09600

Vedi gamma completa - See the complete range Page 7.34 / 7.35

Art. 650X
Ganascia fissa intermedia
Intermedie fixie jaw



Cod.	7.65.0X1000

Art. 650X
Ganascia fissa intermedia
Intermedie fixie jaw



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

Cod.	7.65.0X2000

Art. 650X
Ganascia fissa intermedia
Intermedie fixie jaw



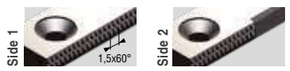
7.65.0X3000

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

Art. 650T G01
Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 1,5mm)



Cod.	7.65.0T1000/G01



Cod.	7.65.0T2000/G01

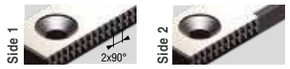
Art. 650T G01
Per materiali di durezza normale
For standard workpieces hardness clamping

7.65.0T3000/G01

Art. 650T G02
Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 2mm)



Cod.	7.65.0T1000/G02



Cod.	7.65.0T2000/G02

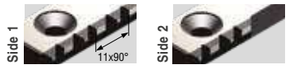
Art. 650T G02
Per materiali di notevole durezza
For hardened workpieces clamping

7.65.0T3000/G02

Art. 650T G11
Inserto ganascia
Top jaw insert
GRIP (Passo - Pitch 11mm)



Cod.	7.65.0T1000/G11



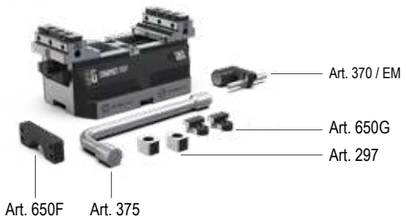
Cod.	7.65.0T2000/G11

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

7.65.0T3000/G11

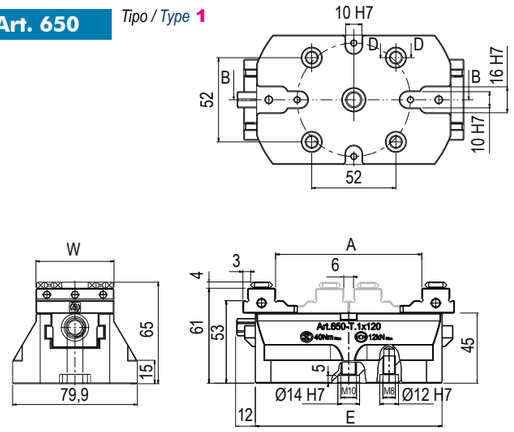
Dotazione standard:
■ 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G cava a T 16 mm
■ 1 Art. 650F piastra di bloccaggio slitta

Art. 650

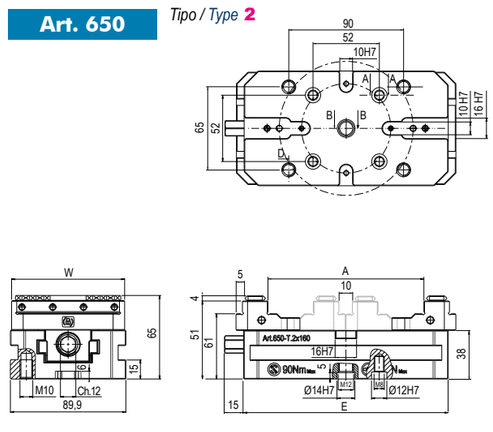


Standard equipment:
■ 1 box wrench Art.375 ■ 1 workstop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
■ 2 positioning key-nuts Art.650G T slot 16 mm
■ 1 Art. 650F slide locking plate

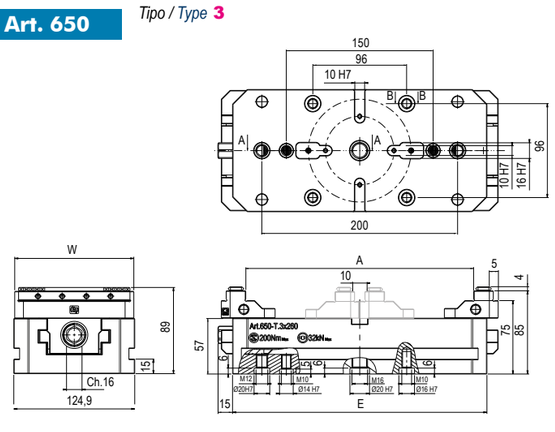
Art. 650 *Tipo / Type* **1**



Art. 650 *Tipo / Type* **2**



Art. 650 *Tipo / Type* **3**



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

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



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

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

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 651H
Tipo / Type **2**
Rialzo Semplice
Simple Riser



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

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

Art. 660
Interasse / Type **52 mm**
Piastra cambio rapido
Quick change plate



Cod.	9.66.05200

Vedi gamma completa - See the complete range Page 7.34 / 7.35

Art. 950B
Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT HAND** with positioning key nuts



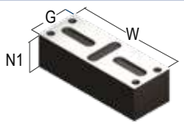
Cod.	7.95.0B2000

Art. 950C
Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT HAND** with positioning key nuts



Cod.	7.95.0C2000

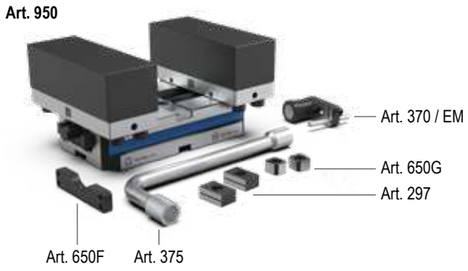
Art. 950D
Ganascia lavorabile in acciaio
Machineable steel jaw



Cod.	7.95.0D2000

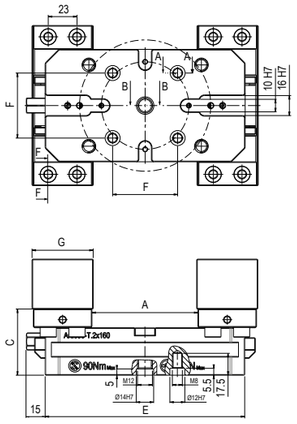
Dotazione standard:
■ 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G cava a T 16 mm
■ 1 Art. 650F piastra di bloccaggio slitta

Art. 950



Standard equipment:
■ 1 box wrench Art.375 ■ 1 workstop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
■ 2 positioning key-nuts Art.650G T slot 16 mm ■
■ 1 Art. 650F slide locking plate

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



Tipo (grandezza) morsa / Vise (type) size	kN	**3** 32 kN				
Art. 950 *Tipo / Type* **3x360**	A	71	121	171	221	271
	W	160				
	B	124				
	C	57				
	C1	77				
	D	124,9				
	E	160	210	260	310	360
	F	96				
	G	59				
	L	Ø16				
	L1	M10				
	kg	16.8	18.6	20.5	22.5	24.4
	Cod.	7.95.03160	7.95.03210	7.95.03260	7.95.03310	7.95.03360

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



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

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 651H
Tipo / Type **3**
Rialzo Semplice
Simple Riser



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

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

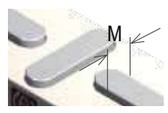
Art. 660
Interasse / Type **96 mm**
Tavola Quick change
Quick change table



Cod.	9.66.09600

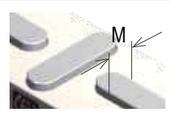
Vedi gamma completa - See the complete range Page 7.34 / 7.35

Art. 950B
Slitta **DESTRA** con chiavette
Solid hardened slide **RIGHT HAND** with positioning key nuts



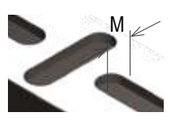
Cod.	7.95.0B3000

Art. 950C
Slitta **SINISTRA** con chiavette
Solid hardened slide **LEFT HAND** with positioning key nuts



Cod.	7.95.0C3000

Art. 950D
Ganascia lavorabile in acciaio
Machineable steel jaw



Cod.	7.95.0D3000

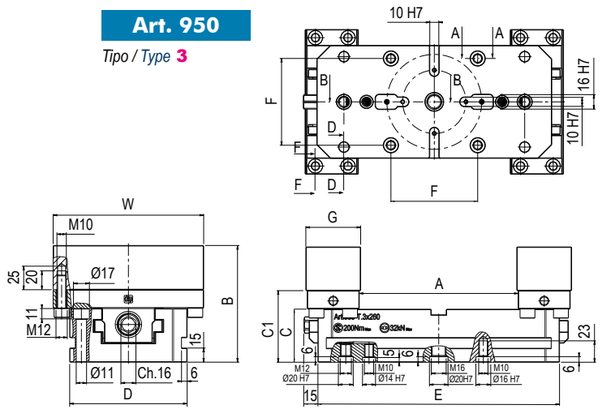
Dotazione standard:
■ 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G cava a T 16 mm
■ 1 Art. 650F piastra di bloccaggio slitta

Art. 950



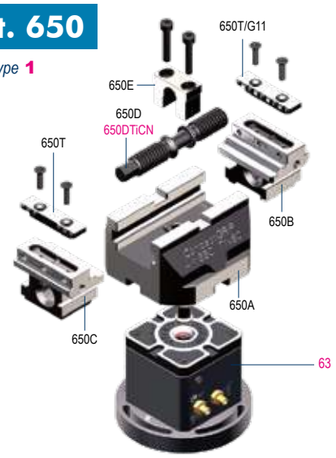
Standard equipment:
■ 1 box wrench Art.375 ■ 1 workstop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
■ 2 positioning key-nuts Art.650G T slot 16 mm
■ 1 Art. 650F slide locking plate

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



Art. 650

Tipo / Type **1**

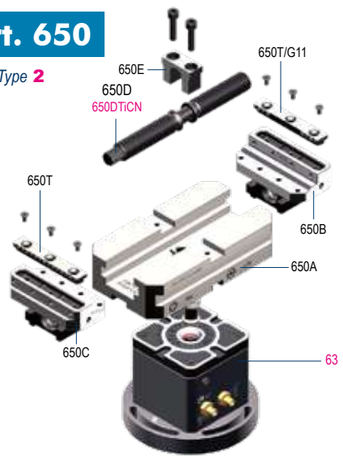


Tipo / Type 1		1x80	1x120	1x160
Art. 650A Corpo base - Base body	Cod.	7.65.0A1080	7.65.0A1120	7.65.0A1160
Art. 650B Ganascia integrale destra Solid jaw right hand	Cod.		7.65.0B1000	
Art. 650C Ganascia integrale sinistra Solid jaw left hand	Cod.		7.65.0C1000	
Art. 650D Vite di bloccaggio - Main screw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

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

Art. 650

Tipo / Type **2**

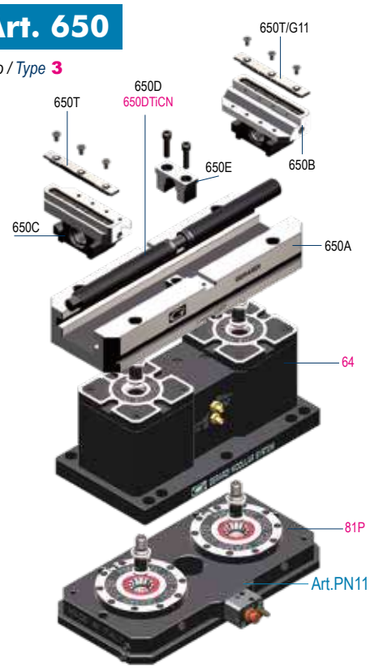


Tipo / Type 2		2x120	2x160	2x200	2x240
Art. 650A Corpo base - Base body	Cod.	7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Art. 650B Ganascia integrale destra Solid jaw right hand	Cod.		7.65.0B2000		
Art. 650C Ganascia integrale sinistra Solid jaw left hand	Cod.		7.65.0C2000		
Art. 650D Vite di bloccaggio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

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

Art. 650

Tipo / Type **3**



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

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

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

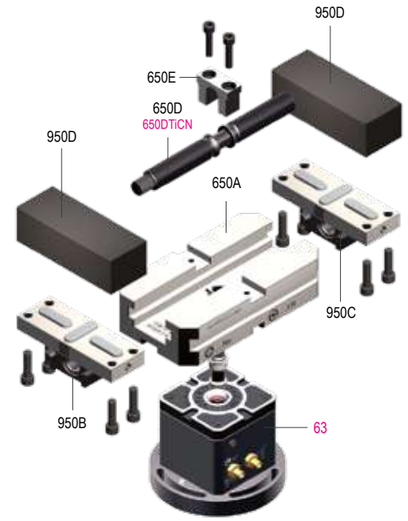
Piastra ZeroPoint, montaggio incassato - ZeroPoint Plates, built-in mounting

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

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

Art. 950

Tipo / Type **2**

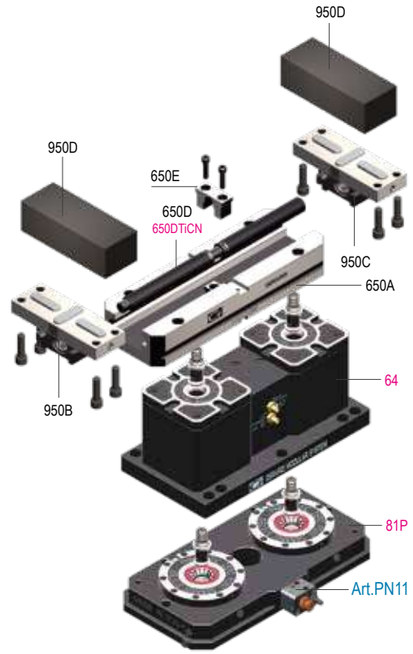


Tipo / Type 2		2x120	2x160	2x200	2x240
Art. 650A Corpo base - Base body	Cod.	7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Art. 950B Ganascia integrale destra Solid jaw right hand	Cod.		7.95.0B2000		
Art. 950C Ganascia integrale sinistra Solid jaw left hand	Cod.		7.95.0C2000		
Art. 650D Vite di bloccaggio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

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

Art. 950

Tipo / Type **3**



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

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

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

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

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

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

INSERTI GANASCE MOBILI PER ART. 650
INSERT MOBILE JAWS FOR 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
Art. 650R *CODA DI RONDINE DOVE TAIL Miglior presa pezzo Best workpiece clamping	Side 1 (45°) / Side 2 (60°)	Cod. 7.65.0R1000	7.65.0R2000	7.65.0R3000
Art. 650T G01 GRIP (Passo - Pitch 1,5mm) Per materiali di durezza normale For standard workpieces hardness clamping	Side 1 (1,5x60°) / Side 2	Cod. 7.65.0T1000/G01	7.65.0T2000/G01	7.65.0T3000/G01
Art. 650T G02 GRIP (Passo - Pitch 2mm) Per materiali di notevole durezza For hardened workpieces clamping	Side 1 (2x90°) / Side 2	Cod. 7.65.0T1000/G02	7.65.0T2000/G02	7.65.0T3000/G02
Art. 650T G11 GRIP (Passo - Pitch 11mm) Per materiali teneri For soft material clamping	Side 1 (11x90°) / Side 2	Cod. 7.65.0T1000/G11	7.65.0T2000/G11	7.65.0T3000/G11

*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)

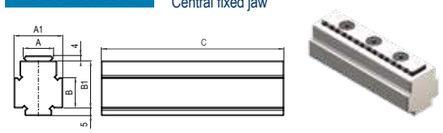
INSERTI GANASCE FISSA CENTRALE PER Art. 650
INSERT JAWS CENTRAL FIXED FOR Art. 650

Tipo (grandezza) / Type (size)		1	2	3
Art. 650V **LISCE - SMOOTH** Materiali teneri e lavorazioni finali Soft material clamping and final machining	Side 1/2	Cod. 7.65.0V1000	7.65.0V2000	7.65.0V3000
Art. 650Y **RUVIDE - ROUGH** Miglior presa pezzo Best workpiece clamping	Side 1/2	Cod. 7.65.0Y1000	7.65.0Y2000	7.65.0Y3000
Art. 650U G01 GRIP (Passo - Pitch 1,5mm) Per materiali di durezza normale For standard workpieces hardness clamping	Side 1/2 (1,5x60°)	Cod. 7.65.0U1000/G01	7.65.0U2000/G01	7.65.0U3000/G01
Art. 650U G02 GRIP (Passo - Pitch 2mm) Per materiali di notevole durezza For hardened workpieces clamping	Side 1/2 (2x90°)	Cod. 7.65.0U1000/G02	7.65.0U2000/G02	7.65.0U3000/G02
Art. 650U G11 GRIP (Passo - Pitch 11mm) Per materiali teneri For soft material clamping	Side 1/2 (11x90°)	Cod. 7.65.0U1000/G11	7.65.0U2000/G11	7.65.0U3000/G11
Art. 650F Piastra laterale per serraggio singolo (Viti Extra) Side plate for Single clamping (Screws not included)		Cod. 7.65.0F100	7.65.0F200	7.65.0F300

GANASCIA FISSA CENTRALE PER Art.650
CENTRAL FIXED JAW FOR Art.650

Tipo (grandezza) / Type (size)	1	2	3
A	18	22	22
A1	24	28	29
B	8	13	18
B1	20	23	28
C	50	88	123
Cod.	7.65.0X1000	7.65.0X2000	7.65.0X3000

Art. 650X Ganascia fissa centrale / Central fixed jaw



Un inserto per 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

AZZERAMENTO AUTOCENTRANTE
SELF-CENTERING RESET

Nel caso in cui la morsa non sia perfettamente regolata per la FUNZIONE AUTOCENTRANTE procedere come segue:
- Allentare le viti della forcella (Fig.1)
- Applicare i tasselli di centraggio Art.297 nell'apposita sede posta nella parte superiore della base morsa
- Portare le due ganasce in battuta con i tasselli di centraggio (Fig.2)
- Stringere le viti della forcella per completare la registrazione dell'autocentrante

If the vise is not perfectly adjusted for the SELF-CENTERING FUNCTION, proceed as follows:
- loosen the fork screws (Fig.1)
- apply the centering key-nuts art.297 in the special seat on the upper part of the vice base
- bring the two jaws into contact with the centering key-nuts (Fig.2)
- tighten the fork screws to complete the setting of the self-centering function


Fig. 1


Fig. 2

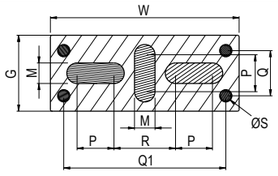
PIASTRINA FRONTALE PER GANASCE MOBILI Art. 650
FRONTAL JAW PLATE FOR MOBILE JAWS Art. 650

Tipo (grandezza) / Type (size)		1	2	3
Art. 655L Piastrina LISCIA frontale con fori filettati M4 Frontal SMOOTH jaw plate with threaded holes M4	W / K / X	W 50 K 8 X 3,5 Cod. 7.65.5L1000	80 10 5,5 7.65.5L2000	115 10 5,5 7.65.5L3000
Art. 655M Piastrina DOLCE frontale con fori filettati M4 Frontal SOFT jaw plate with threaded holes M4	W / K / X	W 50 K 8 X 10 Cod. 7.65.5M1000	80 10 10,5 7.65.5M2000	115 10 10,5 7.65.5M3000
Art. 655N Piastrina ZIGRINATA frontale Frontal SERRATED jaw plate	W / K / X	W 50 K 8 X 3,5 Cod. 7.65.5N1000	80 10 5,5 7.65.5N2000	115 10 5,5 7.65.5N3000
Art. 655P Piastrina parallela magnetica piana frontale Frontal straight parallel magnetic plate	W / K / X	W 50 K 5 X 3 Cod. 7.65.5P1000	80 7 5 7.65.5P2000	115 7 5 7.65.5P3000

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

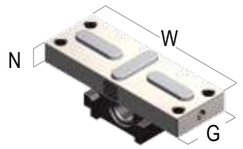
Tipo (grandezza) / Type (size)	2	3
W	128	160
G	49	59
M	10 H7	14 H7
P	30	36
Q	23	36
Q1	110	142
R	40	50
S	Ø9	Ø11

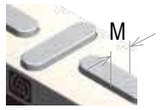




Art. 950B

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

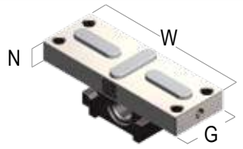




	2	3
N	15	20
Cod.	7.95.0B2000	7.95.0B3000

Art. 950C

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



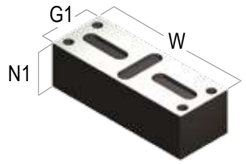


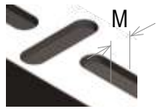
	2	3
N	15	20
Cod.	7.95.0C2000	7.95.0C3000

Art. 950D*

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

* Viti per fissaggio a richiesta
Fixing screws on request



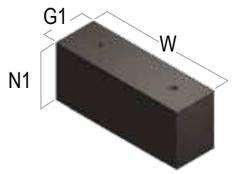


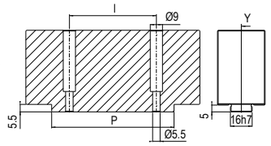
	2	3
N1	30	47
Cod.	7.95.0D2000	7.95.0D3000

Art. 950X*

Ganascia fissa intermedia lavorabile in acciaio
Intermediate machineable steel fixed jaw

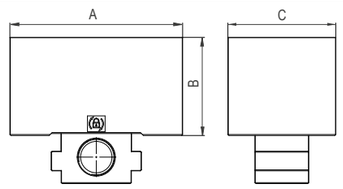
* Viti per fissaggio a richiesta
Fixing screws on request





	2	3
W	128	160
G1	35	50
N1	55	67
I	64	90
P	90	124
Cod.	7.95.0X2000	7.95.0X3000

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



Art. 650BM

Ganascia lavorabile filetto destro
Soft machineable jaw right thread





	1	2	3
Cod.	7.65.0BM10	7.65.0BM20	7.65.0BM30

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

Art. 650CM

Ganascia lavorabile filetto sinistro
Soft machineable jaw left thread





	1	2	3
Cod.	7.65.0CM10	7.65.0CM20	7.65.0CM30

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

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

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

Art. 370EM

Arresto laterale magnetico
Magnetic workstop

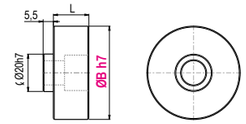


	1	2	3
Cod.	7.37.01000/EM	7.37.02000/EM	

Art. 640P

Perno calibrato per centraggio
Calibrated centering pin





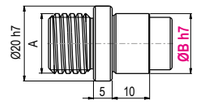
ØC h7	20		
ØB	30 - 38,1(1,5") - 50 - 50,8 (2")		
Cod.	7.64.0P100	7.64.0P200	7.64.0P300

* *Specificare sempre quota B & L - Specify always B & L dimensions*

Art. 79

Perno calibrato per centraggio e orientamento
Calibrated centering and orientation pin



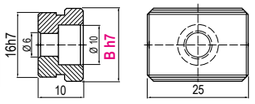


A	M10	M12	M16
ØC h7	14	14	20
ØB	10 - 12 - 14 - 16 - 18 - 20		
Cod.	7.79.14M10/ØB	7.79.14M12/ØB	7.79.20M16/ØB

Art. 297

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



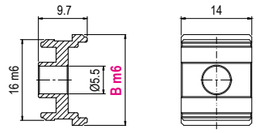


B	10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 28 - 36	
Cod.	2.29.71000/10	2.29.71000/16

Art. 297X

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



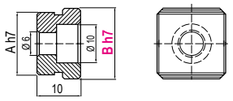


B	12 - 14 - 16 - 18 - 20
Cod.	297X1612 / 14 / 16 / 18 / 20

Art. 650G

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





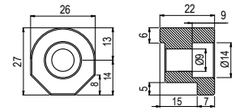
Specificare sempre quota B - Specify always B dimension

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

Art. 298 / CGR

Staffa per Compact Grip
Compact Grip holding clamp





Cod.	7.29.81000/CGR

Tipo (grandezza) / Type (size)	1		2		3	
Dimensioni / Dimension	CH	B	CH	B	CH	B
	10	160	12	160	16	250
Cod.	4.37.510160		4.37.512160		4.37.516250	

Art.375

Chiave a pipa
Box wrench



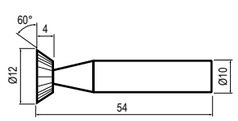


Art. 690DTF

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

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

ALUMINUM RISERS FOR COMPACT GRIP VISES ART.650 / 950

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

ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

Tipo (grandezza) rialzo Riser (type) size		2											
Art. 651H *Tipo / Type* **2**	A	120			160			200			240		
Rialzo semplice,compatibile con il sistema Zero Point	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													

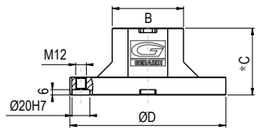
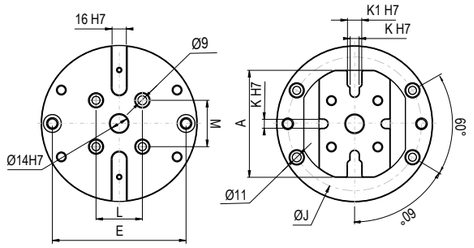
ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

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

ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

PIASTRE di INTERFACCIA

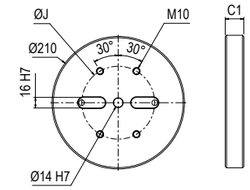
INTERFACE PLATES

Tipo (grandezza) Riser (type) size	1
Art. 651H	
	

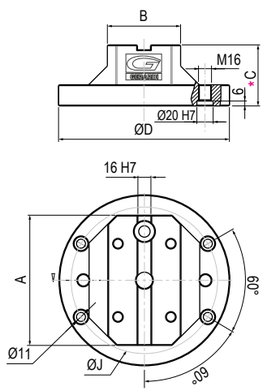
Tipo (grandezza) Riser (type) size		1		
Art. 62M	ØJ	110	150	150
CompactGrip	C1	28		
Piastra di interfaccia lavorabile Machineable interface plate	Cod.	7.62.M651H21...		
		.../108	.../112	.../116

Personalizzazione non inclusa - Customization not included



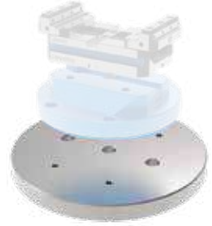


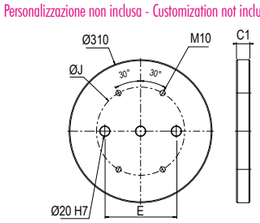
Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**

Tipo (grandezza) Riser (type) size	2
Art. 651H	

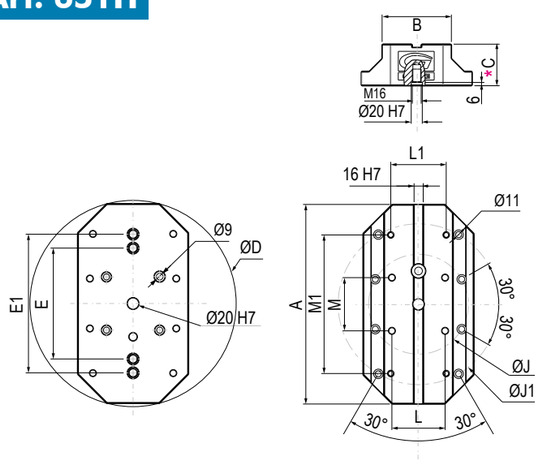
Tipo (grandezza) Riser (type) size		2			
Art. 62M	ØJ	185			
CompactGrip	C1	28			
Piastra di interfaccia lavorabile Machineable interface plate	E	-	150	150	200
	Cod.	7.62.M651H31/			
		.../212	.../216	.../220	.../224

Personalizzazione non inclusa - Customization not included





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

Tipo (grandezza) Riser (type) size	3
Art. 651H	

Tipo (grandezza) Riser (type) size		3				
Art. 62M	ØJ	185				
CompactGrip	C1	28				
Piastra di interfaccia lavorabile Machineable interface plate	J1	-	-	290	290	290
	E	150	150	150	150	200
	Cod.	7.62.M651H45/				
		.../316	.../321	.../326	.../331	.../336

Personalizzazione non inclusa - Customization not included

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

A Modular Positioning Clamping System

QUICK CHANGE PLATES

Precisione / Accuracy
±0,02mm

HRC

Durezza / Hardened
HRC 55±2

Sostituisci rapidamente l'attrezzatura per un Flusso di lavoro Continuo

Rapid Equipment Replacement for Seamless Workflow

Le Piastre a Cambio Rapido sono un sistema meccanico per il rapido posizionamento e bloccaggio di attrezzature e 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.

SCAN IT TO WATCH THE
VIDEO PRESENTATION

5 YEARS WARRANTY

Accellera la produzione ed Abbatti i Tempi Morti

Reduce downtime and Accelerate your production

Caratteristiche e Vantaggi:
Features and Advantages:

- √ RAPIDITÀ DI ATTREZZAMENTO MACCHINA
- √ ABBATTIMENTO DEI TEMPI MORTI
- √ MODULARITÀ E VERSATILITÀ
- √ ESTREMAMENTE LEGGERE
- √ PER QUALUNQUE CENTRO DI LAVORO
- √ INCREMENTO DELLA PRODUZIONE
- √ DISPONIBILI CON DOPPIO INTERASSE
- √ INFINITE COMBINAZIONI POSSIBILI
- √ DESIGN COMPATTO E MANEGGEVOLEZZA
- √ RIALZI COMPATIBILI

- √ QUICK MACHINE SET-UP
- √ REDUCTION OF DOWNTIME
- √ MODULARITY AND VERSATILITY
- √ INCREDIBLY LIGHT
- √ FOR ANY TYPE OF MACHINE CENTER
- √ PRODUCTION INCREASING
- √ AVAILABLE WITH DOUBLE PITCHES
- √ INFINITE POSSIBLE COMBINATIONS
- √ COMPACT DESIGN HANDLING
- √ COMPATIBLE RISERS



ROUNDLOCK SYSTEM

Bloccare pezzi tondi non è mai stato così semplice!
Clamping round pieces has never been easier!

Il sistema di serraggio RoundLock é 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 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.



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

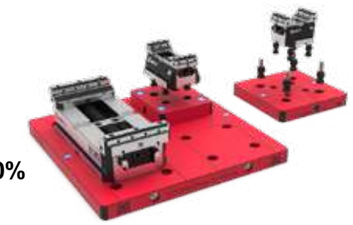
While the first vise is in operation mounted on the workstation, you have all the necessary time to prepare the second one, ready to come into action as soon as the first one completes its task, ensuring uninterrupted production.



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.



Modulari al 100%
100% Moduar

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!

Art. 650

CompactGrip

Le più compatte
The most compact

Art. 662D

Con Doppio Interasse
With Double Pitch



Art. 662S

Piastra a Cambio Rapido Multipla
Multiple Quick Change Plate



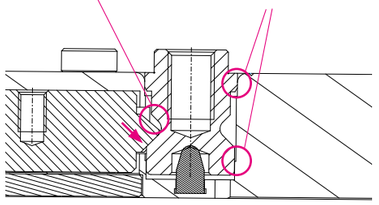
Perni di Posizionamento
Positioning Pins

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

Zona di contatto di 2 estremi per la massima rigidità
Contact zone at both ends for maximum rigidity



PIASTRE CAMBIO RAPIDO MECCANICHE RETTANGOLARI
MECHANICAL RECTANGULAR QUICK CHANGE PLATES

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2** **52**	**3** **96**
A	100	150
B	50	50
B1	-	100
C	27	27
D	116	156
E	150	190
F	52	96
L	Ø12 h7	Ø16 h7
L1	M8	M10
kg	3	5,2
Cod.	9.66.05200	9.66.09600

Art. 660
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



Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2** **52**	**3** **96**
C	27	27
D	126	156
E	150	190
F	52	96
L	Ø12h7	Ø16h7
L1	M8	M10
kg	-	-
Cod.	9.66.0S520	9.66.0S960

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



Personalizzazione esclusa - Customization not included

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**1 - 2 - 3** **52**
B	96
C	27
D	126
E	150
F	52
L	Ø12h7
L1	M8
kg	3,75
Cod.	9.66.0R210

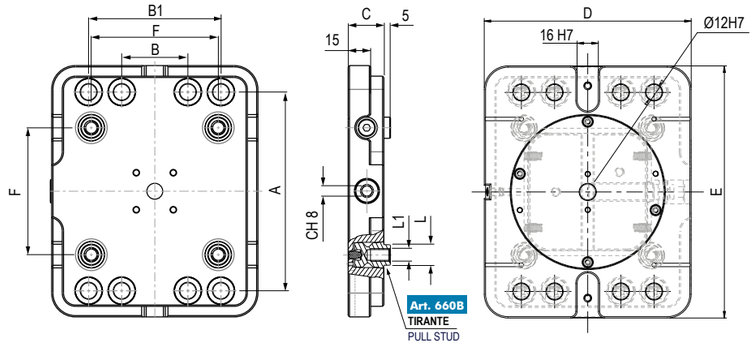
Art. 660R
RIDUZIONE
REDUCTION

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



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



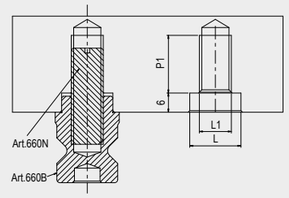
Art. 660S
Dotazione standard - Standard equipment:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B

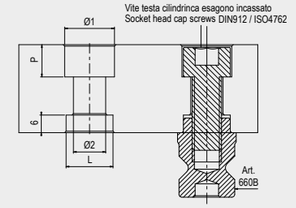
Art. 660R
Dotazione standard - Standard equipment:
N°4 Tiranti Art.660B - # 4 Pull-studs Art.660B

Art. 660B
Tiranti per piastra cambio rapido
Quick change table pull studs



Tipo - Type 1 Tipo - Type 2





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**



PIASTRE CAMBIO RAPIDO MECCANICHE
MECHANICAL QUICK CHANGE PLATES

NEW 2026

Per Morse Tipo - For Vises Type **INTERASSE -** PITCH	**1 - 2 - 3** **52 / 96**
A	191,5
B	52
B1	96
C	27
D	122
E	132
F	Ø10 H7
G	150
kg	7,5
Cod.	9662D5296

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



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

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



Interasse - Interaxis **PASSAGGIO BARRA -** BAR PASSAGE	**52** Ø52 4 Azionamenti/4 Drives	**96** Ø52 2 Azionamenti/2 Drives	**96** Ø110 4 Azionamenti/4 Drives
A	Ø158	Ø196	Ø196
B	52	96	96
C	27	27	27
D	34	123	78
E	70	123	114
F	Ø10 H7	Ø10 H7	Ø10 H7
G	135	140	140
H	155	191,5	191,5
I	Ø52	Ø52	Ø110
Kg	3,6	5,6	4,3
Cod.	9661SPB52-52	9661SPB96	9661SPB96-110

Art.661SPB
PASSAGGIO BARRA
BAR PASSAGE

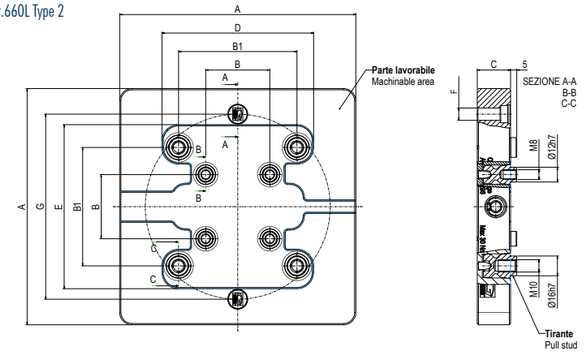
Piastra cambio rapido tonda lavorabile con passaggio barra
Round machinable Quick Change table with bar passage



PIASTRE CAMBIO RAPIDO MECCANICHE
MECHANICAL QUICK CHANGE PLATES

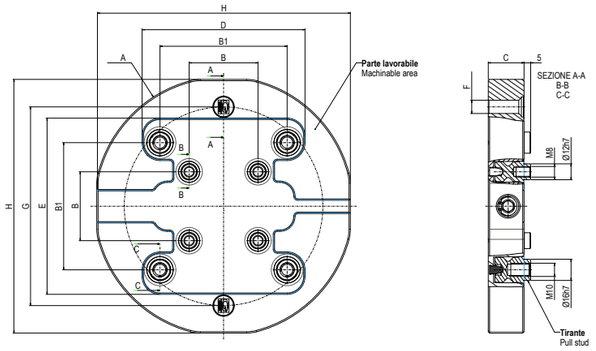
Art. 662D

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



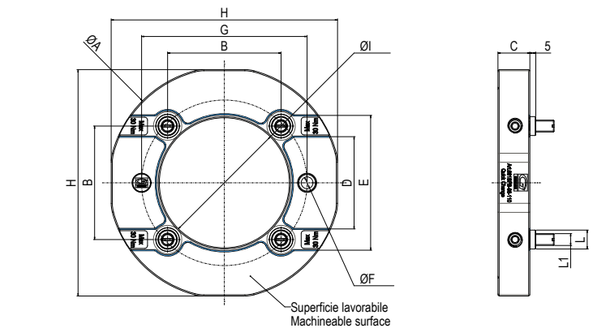
Art.661SPB

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

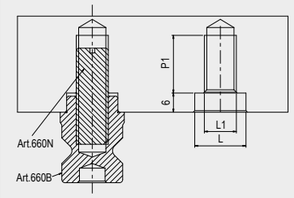
Ø96-Ø110
4 x Art.660B T2
2 x Art.C96 Ø18
1 x Art.C96PBQ Ø160

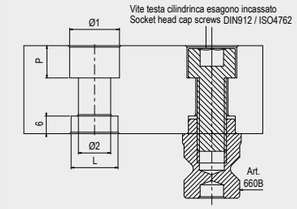


Art. 660B
Tiranti per piastra cambio rapido
Quick change table pull studs



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**



PIASTRE CAMBIO RAPIDO MECCANICHE COMBINABILI
MECHANICAL JOINABLE QUICK CHANGE PLATES

NEW 2026

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**3** **96**
A	191,5
B	96
C	27
D	122
E	122
F	Ø10 H7
G	160
kg	7,6
Cod.	9662S960

Art. 662S **SINGOLA** SINGLE

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



Personalizzazione esclusa - Customization not included

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**3** **96**
A	191,5
A1	383,5
B	96
C	27
D	125
E	67
F	Ø10 H7
G	352
kg	15
Cod.	9662S962

Art.662S **DOPPIA** DOUBLE

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



Personalizzazione esclusa - Customization not included

Per Morse Tipo - For Vises Type **INTERASSE** - PITCH	**3** **96**
A	383,5
B	96
C	27
D	125
E	67
E1	63,5
F	Ø10 H7
G	352
kg	30
Cod.	9662S964

Art. 662S **MULTIPLA** MULTIPLE

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

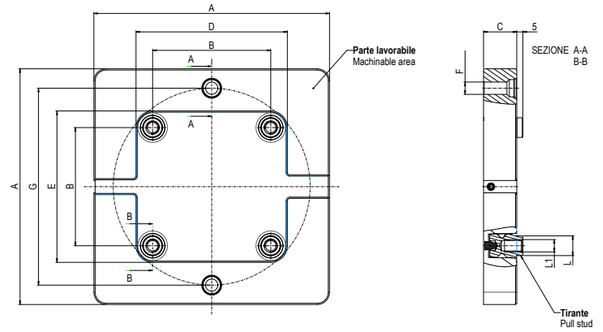


Personalizzazione esclusa - Customization not included

PIASTRE CAMBIO RAPIDO MECCANICHE COMBINABILI
MECHANICAL JOINABLE MODULAR QUICK CHANGE PLATES

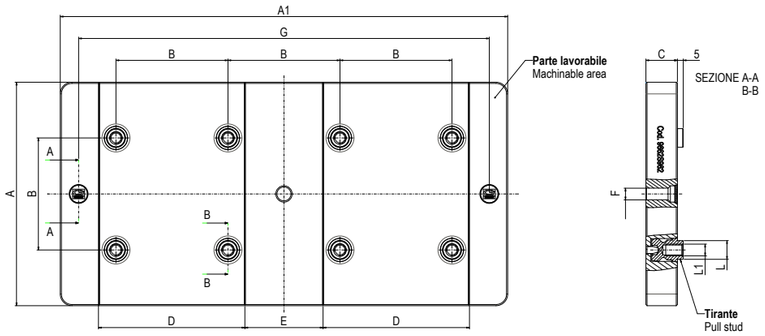
Art. 662S **SINGOLA** SINGLE

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



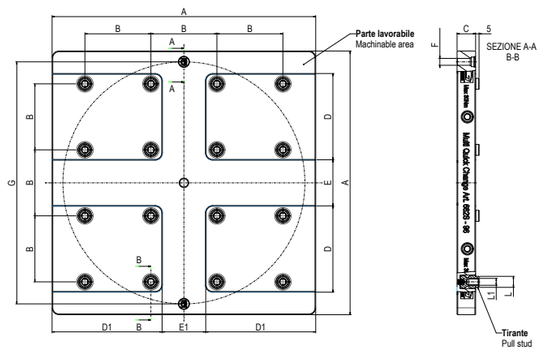
Art.662S **DOPPIA** DOUBLE

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



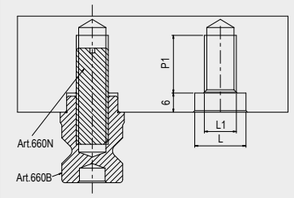
Art. 662S **MULTIPLA** MULTIPLE

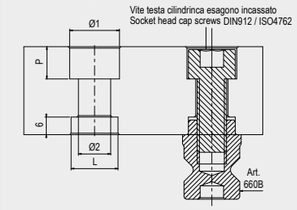
Dotazione standard - Standard equipment:
N°16 Tiranti Art.660B Tipo 2 - # 16 Pull-Studs Art.660B Type 2
N°16 Falsi Tiranti Art.6600 Tipo 2 - # 16 Fake Pull-Studs Art.6600 Type 2



Art. 660B
Tiranti per piastra cambio rapido
Quick change table pull studs







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



PIASTRE CAMBIO RAPIDO TONDE
ROUNDED QUICK CHANGE PLATES

Per Morse Tipo - For Vises Type **INTERASSE -** PITCH		**1 - 2** **52**	**3** **96**
Art. 661 **INTERASSE SINGOLO** **SINGLE PITCH**	ØA	158	196
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	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



Per Morse Tipo - For Vises Type **INTERASSE -** PITCH		**1 - 2** **52**	**3** **96**		
Art. 661S **DOLCE LAVORABILE** **SOFT MACHINABLE**	A	158	196	250	300
Piastra cambio rapido tonda lavorabile ad interasse 52 o 96 Round machinable Quick Change plate with 52 or 96 interaxis	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



Personalizzazione esclusa - Customization not included

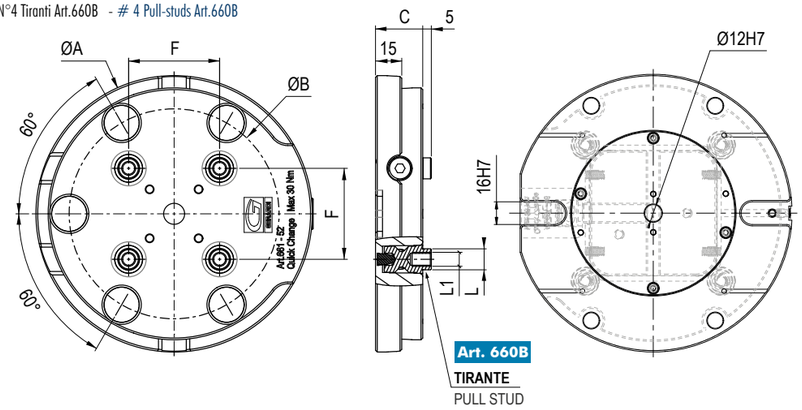
Per Morse Tipo - For Vises Type **INTERASSE -** PITCH		**1 - 2 - 3** **52 - 96**
Art. 661R **RIDUZIONE DA 96 A 52** **REDUCTION FROM 96 TO 52**	ØA	158
Piastra cambio rapido tonda di riduzione da interasse 96 a 52 Round reduction Quick Change from 96 to 52 interaxis	B	96
	C	27
	F	52
	L	Ø12h7
	L1	M8
	kg	3,75
	Cod.	9.66.1R210



PIASTRE CAMBIO RAPIDO TONDE
ROUNDED QUICK CHANGE PLATES

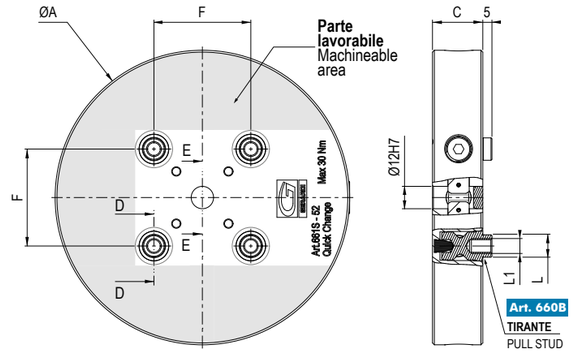
Art. 661

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



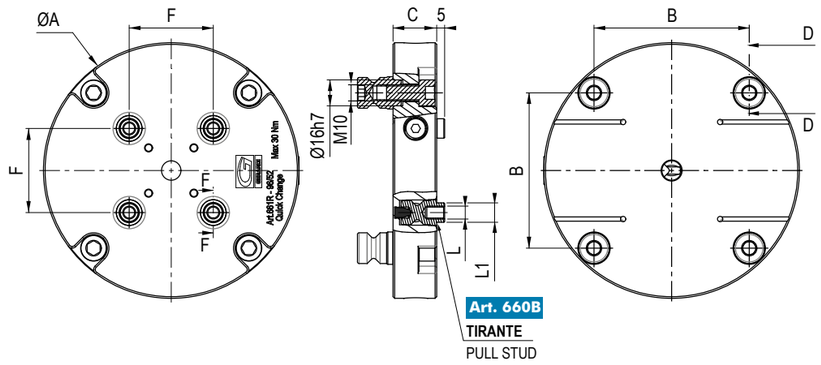
Art. 661S

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

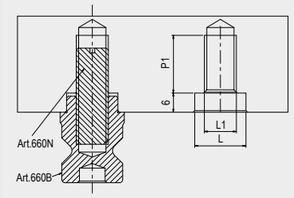


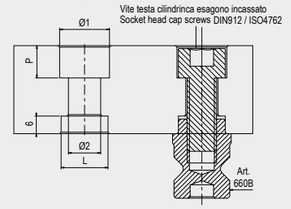
Art. 660B

Tiranti per piastra cambio rapido
Quick change table pull studs



Tipo - Type 1 Tipo - Type 2





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



SISTEMA DI SERRAGGIO ROUNDLOCK
ROUNDLOCK CLAMPING SYSTEM

NEW 2026

Tipo - Type / INTERASSE - PITCH	52	96
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

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




Tipo - Type / INTERASSE - PITCH	52	96
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

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




Tipo - Type / INTERASSE - PITCH	
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

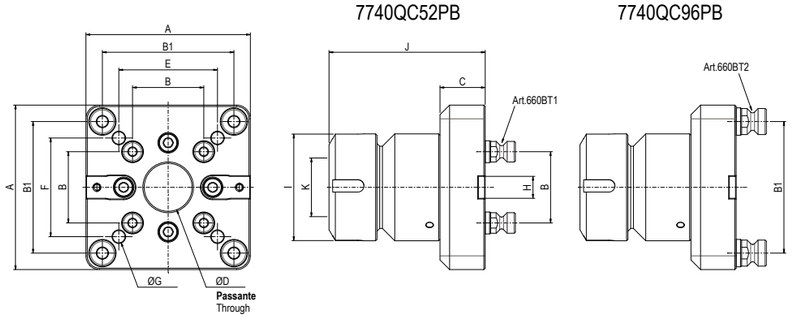
Art.740ZPS — PER ZERO POINT
ZERO POINT READY

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

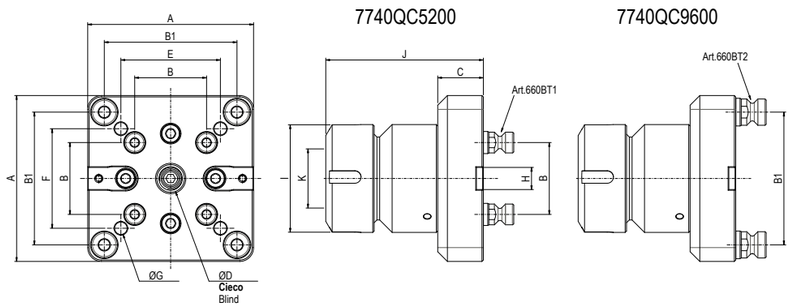



SISTEMA DI SERRAGGIO ROUNDLOCK
ROUNDLOCK CLAMPING SYSTEM

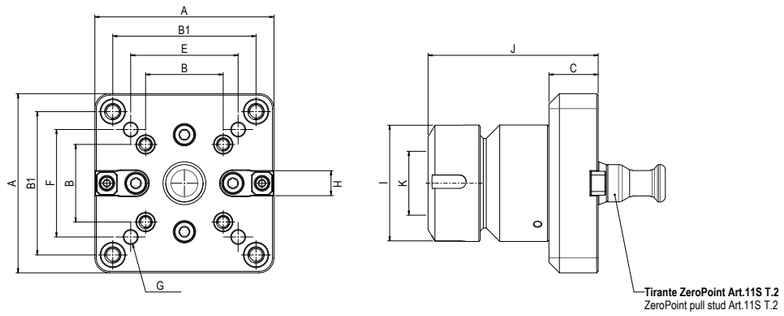
Art.740PB — PASSAGGIO BARRA
BAR PASSAGE



Art.740QC — PASSAGGIO BARRA
BAR PASSAGE

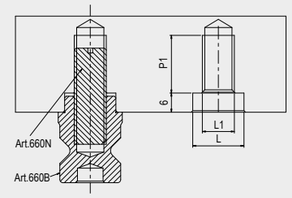


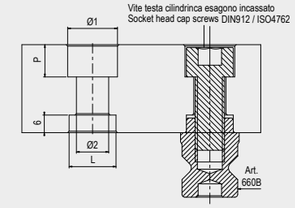
Art.740ZP — PER ZERO POINT
ZERO POINT READY



Art. 660B
Tiranti per piastra cambio rapido
Quick change table pull studs







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

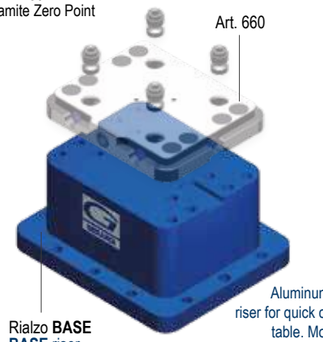


RIALZI SEMPLICI IN ALLUMINIO PER PIASTRA A CAMBIO RAPIDO
SIMPLE ALUMINUM RISERS for QUICK CHANGE TABLE

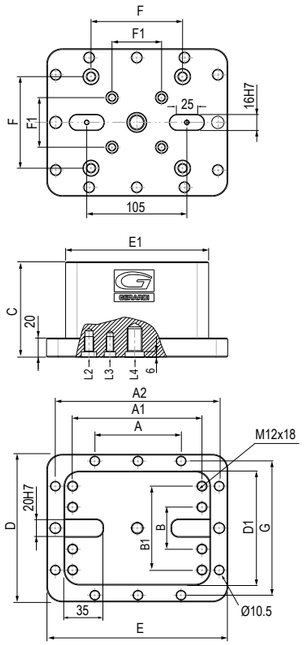
Per Morse Tipo - For Vises Type **INTERASSE -** PITCH	**1 - 2** **52**	**3** **96**
A	100	100
A1	-	150
A2	170	190
B	50	50
B1	-	100
C	100	100
D	156	176
D1	116	136
E	190	210
E1	150	170
F	96	96
F1	52	52
G	136	160
L2	Ø16 H7 / M10	Ø16 H7 / M10
L3	Ø12 H7 / M8	Ø12 H7 / M8
L4	Ø20 H7 / M16	Ø20 H7 / M16
kg	5	6,5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

Art. 661H

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



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



ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

Per Morse Tipo - For Vises Type **INTERASSE -** PITCH	**1 - 2** **52**	**3** **96**
A	116	156
A1	150	150
B	50	50
B1	-	100
C	60 100	60 100
D	120	160
E	100	150
F	52	-
F1	96	96
L1	Ø16 H7 / M10	Ø16 H7 / M10
L2	Ø12 H7 / M8	Ø12 H7 / M8
L3	Ø12 H7	Ø12 H7
L4	Ø12 H7 / M10	Ø12 H7 / M10
kg	-	-
Cod.	9.66.1HQ52/060 9.66.1HQ52/100	9.66.1HQ96/060 9.66.1HQ96/100

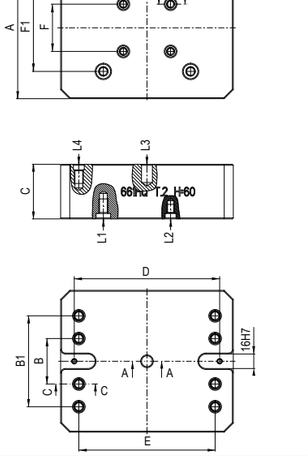
Art. 661HQ

Rialzo semplice in alluminio per piastra cambio rapido

Rialzo TOP
TOP riser
Art. 661HQ



Simple aluminum riser for quick change table



ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

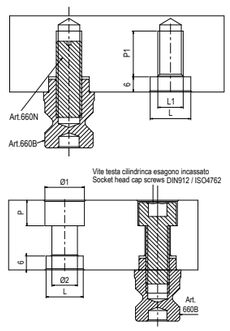
Tipo - Type	**1**	**2**
L	Ø12 h7	Ø16 h7
L1	M8	M10
Ø1	14	17
Ø2	9	11
P	9	11
P1	12	18
Cod.	9.66.0B100	9.66.0B200

Art. 660B

Tiranti per piastra cambio rapido



Quick change table pull studs



SUPPORTO PIRAMIDALE PER MULTITASKING & COMPACT GRIP
PYRAMIDAL SUPPORT FOR MULTITASKING & COMPACT GRIP

Tipo (grandezza) / Type (size) **PIANO INCLINATO -** GRADE SIDE	**1** **30°**
Multitasking	-
Compact Grip	**Art.650** T.1x80/120
ØA	235
B	120°
C	80
D	50
E	65
F	120
G	94
H	170
H1	140
kg	6,8
Cod.	7.64.3H100

Art. 643H

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

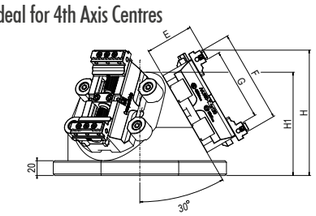
Aluminum pyramidal support with 3 positions Mounting possibility throught Zero Point system and quick change plates

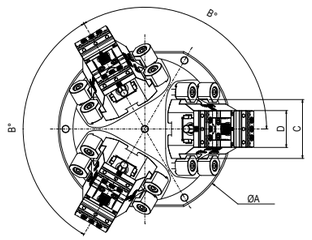


Dotazione standard
- 1 Golfare
- 12 Staffe di ancoraggio Art.298 CGR
- 4 tiranti Art.660B T2

Standard equipement:
- 1 Eyebolt
- 12 Vise holding clamps Art.298 CGR with M8 screws

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





Tipo (grandezza) / Type (size) **PIANO INCLINATO -** GRADE SIDE	**2** **45°**
Multitasking	**Art.640** - T.1
Compact Grip	**Art.650** T.2x120/160/200 - **Art.950** T.2x120/160/200
ØA	308
B	120°
C	-
D	90
E	65
F	160
G	136
H	135,5
H1	109
kg	11,9
Cod.	7.64.3H200

Art. 643H

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

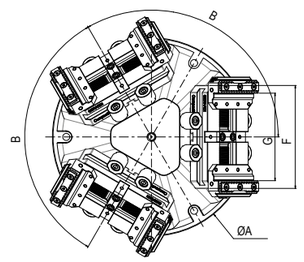
Aluminum pyramidal support with 3 positions Mounting possibility throught Zero Point system



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

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



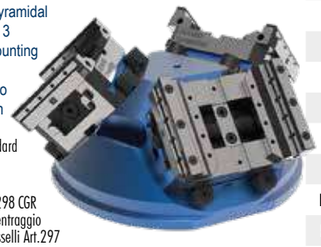


Tipo (grandezza) / Type (size) **PIANO INCLINATO -** GRADE SIDE	**3** **45°**
Multitasking	-
Compact Grip	**Art.650** T.3x160/210 - **Art.950** T.3x160/210
ØA	360
B	120°
C	-
D	125
E	89
F	160
G	133
H	190,5
H1	150
kg	20,8
Cod.	7.64.3H300

Art. 643H

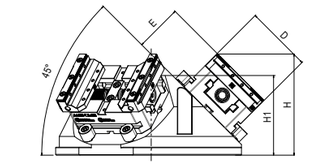
Supporto piramidale in alluminio a tripla posizione.Possibilità di montaggio tramite Zero Point

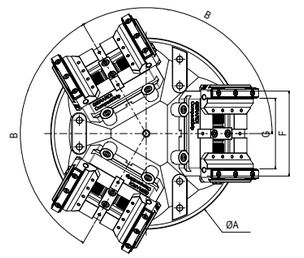
Aluminum pyramidal support with 3 positions Mounting possibility throught Zero Point system



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

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





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

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

PIASTRE BASE ZERO POINT TONDE
ZERO POINT ROUNDED HEAD PLATES

MONTAGGIO CON FLANGIA

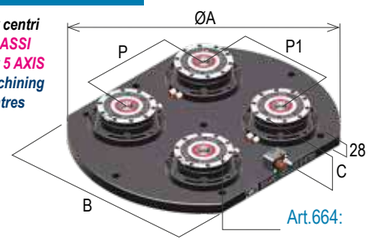
Tipo (grandezza) Zero-Point
Zero-Point type (size)

kN

2
up to 14 kN

Art. 72P

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

	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

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

MONTAGGIO INCASSATO

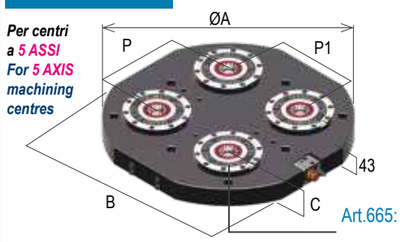
Tipo (grandezza) Zero-Point
Zero-Point type (size)

kN

2
up to 14 kN

Art. 82P

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

	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

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

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

Tipo (grandezza) Zero-Point
Zero-Point type (size)

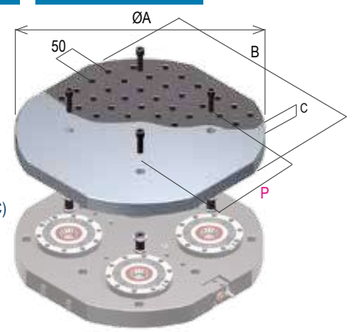
kN

2
up to 14 kN

Art. 62iC Art. 62iE

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

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



	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum	Steel	Aluminum
ØA	400		500		630		800	
B	-		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. IC4050A4	9.62. IC5063S4	9.62. IC5063A4	9.62. IC4080S4	9.62. IC4080A4
Art.62iE Cod.	9.62. IE4032S4	9.62. IE4032A4	9.62. IE4050S4	9.62. IE4050A4	9.62. IE5063S4	9.62. IE5063A4	9.62. IE4080S4	9.62. IE4080A4

FLANGE MOUNTING

2
up to 14 kN

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

BUILT-IN MOUNTING

2
up to 14 kN

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

CARTER PER PIASTRE TONDE - ROUNDED PLATES COVER

Tipo (grandezza) Zero-Point
Zero-Point type (size)

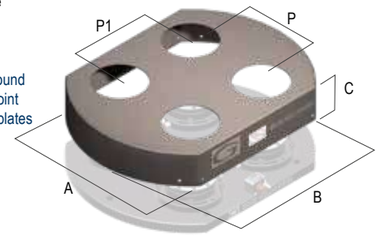
kN

2
up to 14

Art. 72CP

Carter in acciaio INOX per piastre tonde interfacciate con Zero Point

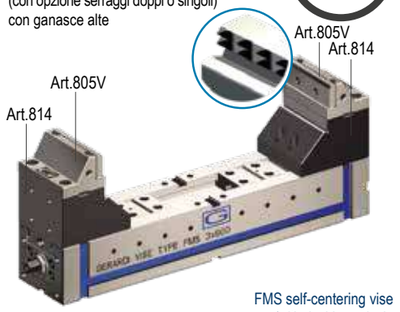
Stainless steel round cover for Zero Point interfaced head plates



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

Art. 868

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



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

Tipo (grandezza) morsa / Vise type (size)	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

	kN	3			4				5			6		
		30 kN			30 kN				32 kN			32 kN		
A		444	544	644	316	416	516	616	396	496	596	596	696	796
B		137			171				186			246		
C		100			120				140			160		
D		600	700	800	500	600	700	800	600	700	800	800	900	1000
E		625	725	825	525	625	725	825	625	725	825	825	925	1025
F		237			291				326			406		
G		125			145				170			190		
H		98			128				138			180		
L		84			97				107			107		
J3		132			154				169			189		
J4		82			96				106			106		
X		57			64				66			86		
W		124			144				169			189		
kg		-			-				-			-		
Cod.		5.86.83600	5.86.83700	5.86.83800	5.86.84500	5.86.84600	5.86.84700	5.86.84800	5.86.85600	5.86.85700	5.86.85800	5.86.86800	5.86.86900	5.86.86100

Art. 868D



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

Cod.	5.86.8D120	5.86.8D130	5.86.8D230	5.86.8D240	5.86.8D250	5.86.8D260	5.86.8D340	5.86.8D350

Art. 802



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

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

Cod.	5.80.21000	5.80.22000	5.80.23000

Art. 868E

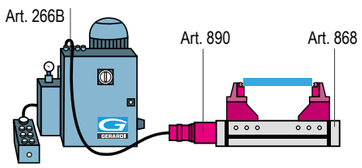


(Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

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

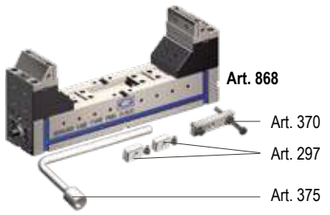
Art. 868F

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



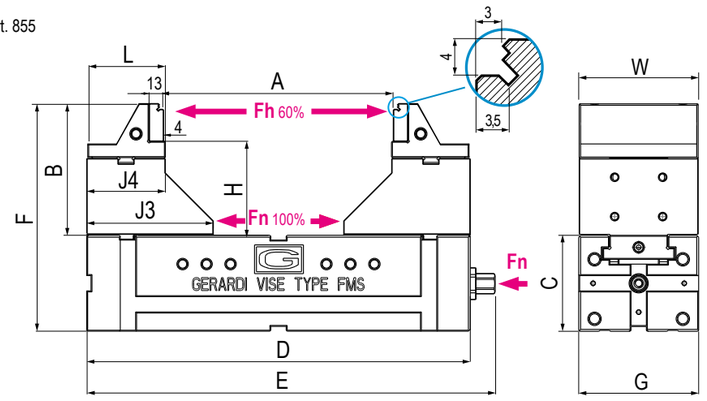
Cod.	5.86.8F120	5.86.8F130	5.86.8F230	5.86.8F240	5.86.8F250	5.86.8F260	5.86.8F340	5.86.8F350

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



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

Art. 855



Art. 868D

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

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

Art. 802

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

Cod.	5.80.23000	5.80.24000	5.80.25000	5.80.26000

Art. 868E

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

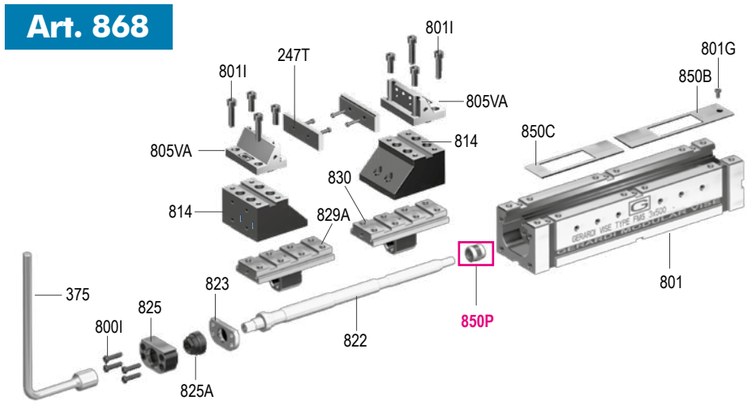
Cod.	5.86.8E360	5.86.8E370	5.86.8E380	5.86.8E450	5.86.8E460	5.86.8E470	5.86.8E480	5.86.8E560	5.86.8E570	5.86.8E580	5.86.8E680	5.86.8E690	5.86.8E610

Art. 868F

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

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

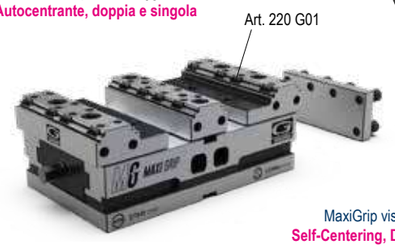
Art. 868



Art.	Pag.	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	4x420
		kN 41	
Art. 685	A	200	344
	A1	83	155
	A2	104	248
	A3	35	107
	W	158	
	E	270	420
	kg	28,5	40
	Cod.	76854270	76854420

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



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

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 660 — *Interasse / Type* **96 mm**
Tavola Quick change
Quick change table
Vedi gamma completa
See the complete range Page 7.34 / 7.35



Cod. 9.66.09600

Art. 662S
Piastra cambio rapido doppia ad interasse 96
Double Quick Change table with 96 interaxis



Cod. 9662S962

Art. 220
Inserto Grip
Top jaw insert
G01 Per durezza normale / For standard hardness
G02 Per notevole durezza / For great hardness
G11 Per materiali teneri / For soft material
Vedi gamma completa - See the complete range Page 4.17

Cod. 4.22.01000 / G01 / G02 / G11

Art. 682KR/G01
Ganascia mobile ridotta per Inserti Grip
Narrow width movable jaw for Grip Inserts



Cod. 7682KR40/G01

Art. 683KR/G01
Ganascia fissa centrale ridotta con Inserti Grip
Central fixed narrow width jaw for Grip Inserts



Cod. 7683KR40/G01

Art. 683U
Ganascia fissa centrale regolabile con inserti
Fixed central adjustable jaw with inserts



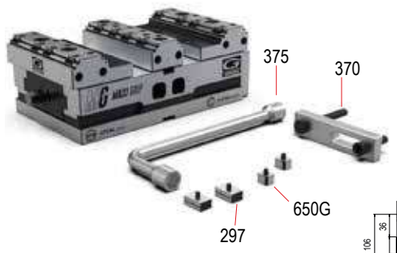
Cod. 7683U400

Art. 682U
Ganascia mobile oscillante Maxigrip con inserti
Floating movable Maxigrip jaw with inserts

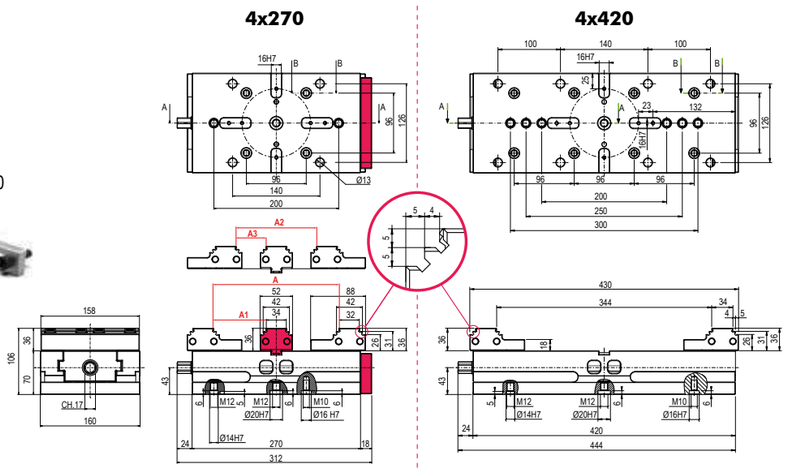


Cod. 7680U4000

Dotazione standard:
- 1 chiave a pipa Art.375 CH.17
- 1 coppia di tasselli per regolazione autocentrante Art. 297
- 2 tasselli di posizionamento Art.650G cava a T 16mm
- 2 golfari



Standard equipment:
- 1 box wrench Art.375 CH.17
- 2 workstops Art.370 T.3
- 1 pair of self-centring key-nuts Art. 297
- 2 positioning key-nuts Art.650G T slot 16 mm
- 2 eyebolts



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

Morsa MaxiGrip
Solo Autocentrante



MaxiGrip vise
Only Self-centering

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 660 — *Interasse / Type* **96 mm**
Tavola Quick change
Quick change table
Vedi gamma completa
See the complete range Page 7.34 / 7.35



Cod. 9.66.09600

Art. 662S
Piastra cambio rapido doppia ad interasse 96
Double Quick Change table with 96 interaxis



Cod. 9662S962

Art. 220
Inserto Grip
Top jaw insert
G01 Per durezza normale / For standard hardness
G02 Per notevole durezza / For great hardness
G11 Per materiali teneri / For soft material
Vedi gamma completa - See the complete range Page 4.17

Cod. 4.22.01000 / G01 / G02 / G11

Art. 682D
Ganascia mobile dolce lavorabile
Soft movable machinable jaw



Cod. 7682D400

Art. 683D
Ganascia fissa centrale dolce lavorabile
Fixed central soft machinable jaw



Cod. 7683D400

Art. 682Q
Ganascia mobile regolabile con inserti
Movable adjustable jaw with inserts



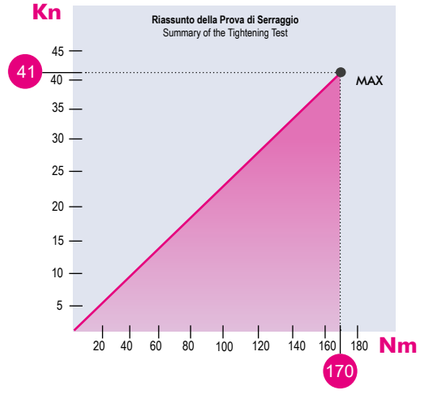
Cod. 7682Q400

Art. 682U
Ganascia mobile oscillante Maxigrip con inserti
Floating movable Maxigrip jaw with inserts



Cod. 7680U4000

Test di Serraggio
Clamping Test
Art. 685-684 T4x270-420





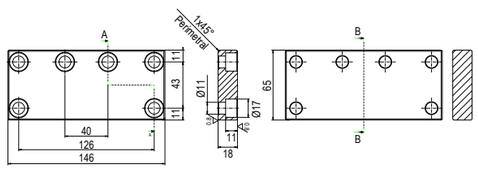
GANASCE FISSE
FIXED JAWS

Tipo (grandezza) morsa / Vise type (size)		kN	4x270	4x420
			kN 41	
Art. 683K/G01 Ganascia fissa centrale con Inserti Grip G01 * / Central fixed jaw with Grip Inserts G01 *	Art. 220 G01	Cod.	7683K400/G01	
Art. 683D Ganascia fissa centrale dolce lavorabile / Fixed central soft machinable jaw		Cod.	7683D400	
Art. 683KR/G01 Ganascia fissa centrale ridotta con Inserti Grip G01 * / Central fixed narrow width jaw for Grip Inserts G01 *	Art. 220 G01	Cod.	7683KR40/G01	
Art. 683U Ganascia fissa centrale regolabile con inserti cilindrici / Fixed central adjustable jaw with cylindrical inserts	Art. 812 **	Cod.	7683U400	
Art. 680U Piatra laterale per serraggio singolo (viti extra) / Side plate for single clamping (screws not included)		Cod.	7680U4000	

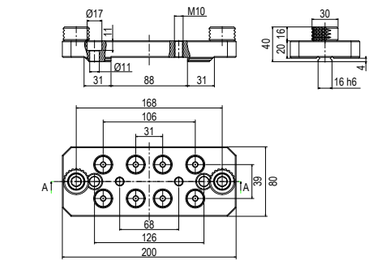
* Vedi gamma completa degli Inserti Grip - See the complete Grip Inserts range Page 4.17

** Vedi gamma completa - See the complete range Page 5.31

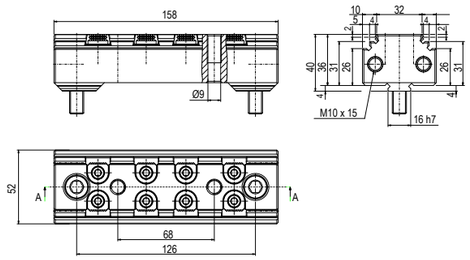
Art. 680U



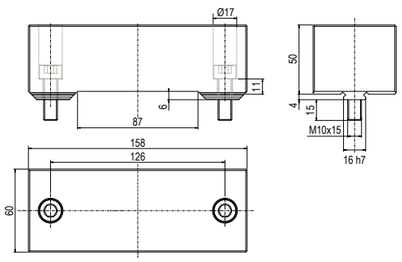
Art. 683U



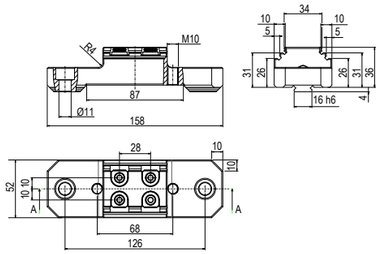
Art. 683K



Art. 683D



Art. 683KR/G01





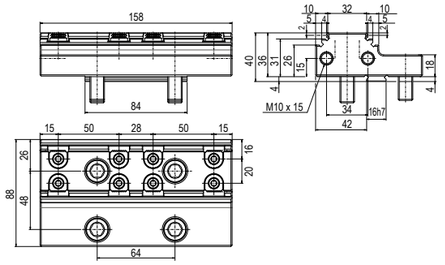
GANASCE MOBILI
MOVABLE JAWS

Tipo (grandezza) morsa / Vise type (size)		kN	4x270	4x420
			kN 41	
Art. 682K/G01 Ganascia mobile con Inserti Grip G01 * / Movable jaw with Grip Inserts G01 *	Art. 220 G01	Cod.	7682K400/G01	
Art. 682D Ganascia mobile dolce lavorabile / Soft movable machinable jaw		Cod.	7682D400	
Art. 682KR/G01 Ganascia mobile ridotta per Inserti Grip G01 * / Narrow width movable jaw for Grip Inserts G01 *	Art. 220 G01	Cod.	7682KR40/G01	
Art. 682U Ganascia mobile regolabile oscillante Maxigrip con inserti cilindrici / Floating movable adjustable Maxigrip jaw with cylindrical inserts	Art. 812 **	Cod.	7680U4000	
Art. 682Q Ganascia mobile regolabile con inserti cilindrici / Movable adjustable jaw with cylindrical inserts	Art. 812 **	Cod.	7682Q400	

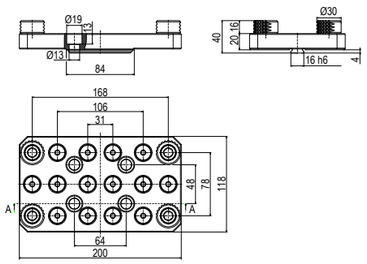
* Vedi gamma completa degli Inserti Grip - See the complete Grip Inserts range Page 4.17

** Vedi gamma completa - See the complete range Page 5.31

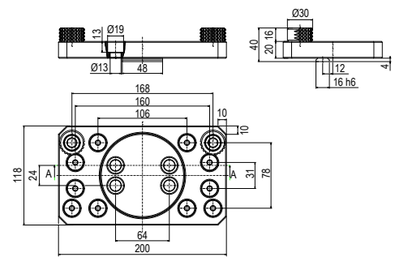
Art. 682K



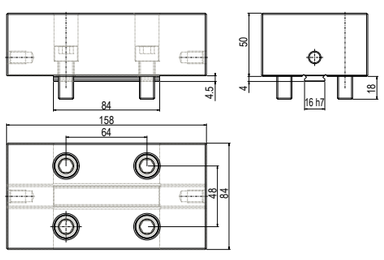
Art. 682Q



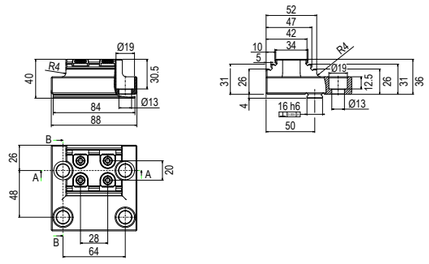
Art. 682U



Art. 682D



Art. 682KR/G01





RIALZI IN ALLUMINIO PER MORSE MAXI GRIP
ALUMINUM RISERS FOR MAXI GRIP VISES

Tipo (grandezza) rialzo Riser (type) size		4x270		
Art. 680H	A		270	
	B		160	
	B1		229	
Rialzo semplice,compatibile con il sistema Zero Point Simple riser Zero Point ready	C	50	75	100
	ØD		314	
	E		200	
	ØJ		231	
	ØJ1		-	
	L		96	
	M		200	
	Kg	6,6	9,5	13
	Cod.	7.68.0H4270/050	7.68.0H4270/075	7.68.0H4270/100



ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

KIT Fissaggio morsa su rialzo Fixing vise on riser KIT	Cod.	7.68.0K400

Tipo (grandezza) rialzo Riser (type) size		4x420		
Art. 680H	A		420	
	B		160	
	B1		229	
Rialzo semplice,compatibile con il sistema Zero Point Simple riser Zero Point ready	C	50	75	100
	ØD		450	
	E		200	
	E1		250	
	E2		300	
	ØJ		231	
	ØJ1		400	
	L		96	
	M		200	
	Kg	11	16	20
	Cod.	7.680.H4420/050	7.68.0H4420/075	7.68.0H4420/100

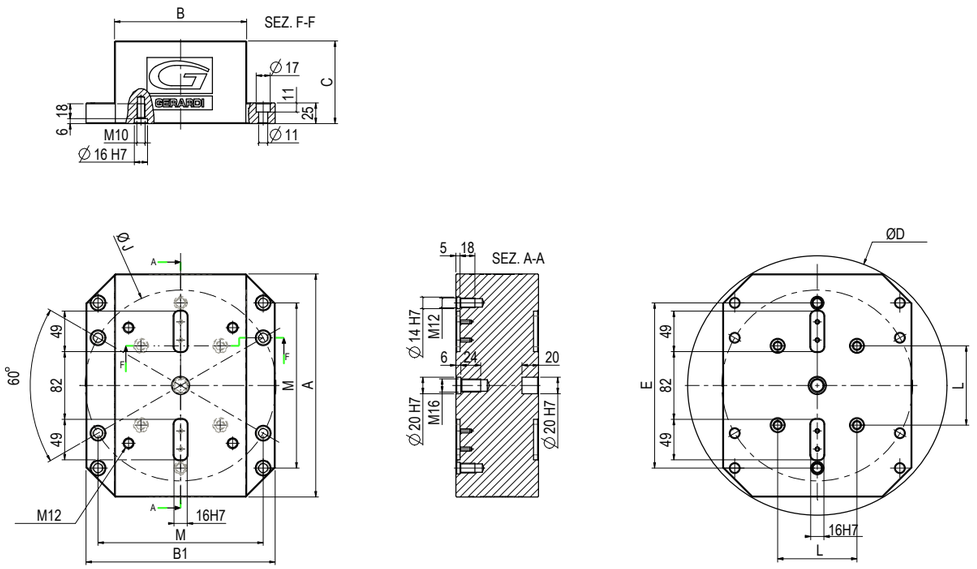


ALLINEAMENTO e FISSAGGIO RIALZO: **Kit Non Incluso** / FIXING AND ALIGNEMENT RISER: **Kit Not Included**

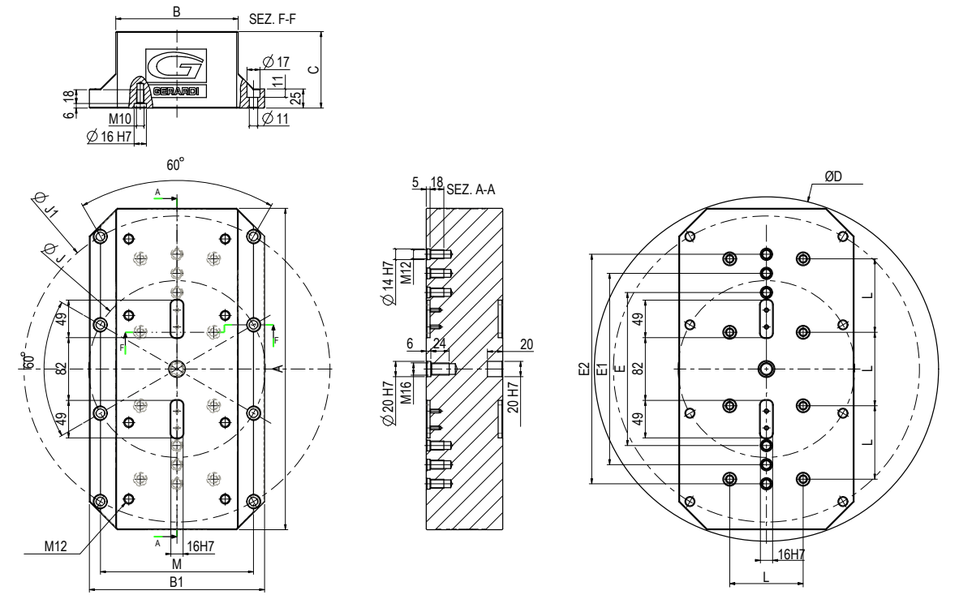
KIT Fissaggio morsa su rialzo Fixing vise on riser KIT	Cod.	7.68.0K400

RIALZI IN ALLUMINIO PER MORSE MAXI GRIP
ALUMINUM RISERS FOR MAXI GRIP VISES

Tipo (grandezza) Riser (type) size	4x270
Art. 680H	

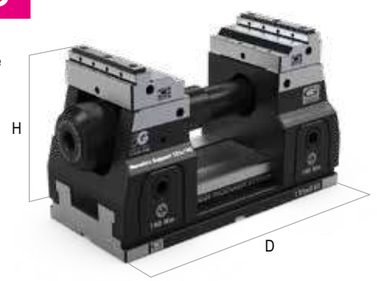


Tipo (grandezza) Riser (type) size	4x420
Art. 680H	



Art. 5G

Morsa a 5 assi art.5G con ganasce a cambio rapido
5-axis vice art.5G with quick-change jaws



Dimensione della ganascia / Jaw Size	125 x 105		
A	min 104 / max 234	min 204 / max 334	min 274 / max 404
A1	min 24 / max 154	min 124 / max 254	min 194 / max 324
A2	min 10 / max 140	min 110 / max 240	min 180 / max 310
B	6		
C	130		
D	330	430	500
H	**105**		
H1	135		
Cod.	5G-125-330	5G-125-430	5G-125-500

	125 x 150		
A	min 204 / max 334	min 274 / max 404	min 404 / max 534
A1	min 124 / max 254	min 194 / max 324	min 324 / max 454
A2	min 110 / max 240	min 180 / max 310	min 310 / max 440
B	6		
C	130		
D	430	500	630
H	**150**		
H1	185		
Cod.	5G-125H-430	5G-125H-500	5G-125H-630

Caratteristiche / Features		
B	Corsa di Serraggio Clamping Stroke	6 mm
C	Corsa di Avvicinamento Closing Stroke	130 mm
	Coppia massima Max Torque	200 Nm
	Forza di serraggio massima Max Clamping Force	40 kN
	Coppia consigliata Recommended Torque	120 Nm
	Forza consigliata Recommended Force	26,5 kN

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 5B

Ganascia dolce lavorabile
Soft machinable jaw



Cod.	5G-125-5B	5G-125-5B

Art. 5K

Ganascia con inserti CompactGrip
Jaw with CompactGrip inserts



Cod.	5G-125-5K	5G-125-5K

Art. 5U

Ganascia oscillante movable con inserti Art. 812
Floating movable jaw with inserts Art. 812



Cod.	5G-125-5U	5G-125-5U

Art. 5W

Ganascia fissa regolabile con inserti Art. 812
Adjustable fixed jaw with inserts Art. 812



Cod.	5G-125-5W	5G-125-5W

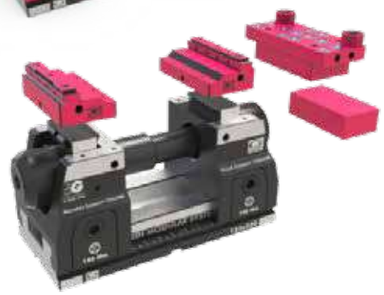
Art. 5Z

Adattatore per ganasce personalizzate
Adapter for custom jaws



Cod.	5G-125-5Z	5G-125-5Z

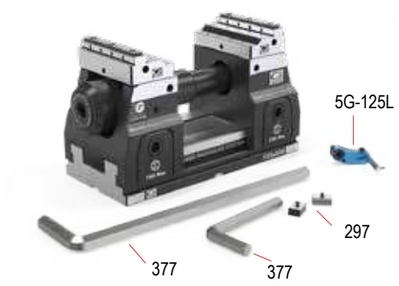




Vedi la gamma completa di ganasce compatibili con morse 5G Pag 7.56 / 7.57-
See the complete range of jaws compatible with 5G vices Page 7.56 / 7.57

Dotazione standard:
■ 1 chiave esagonale Art.377 CH.14 ■ 1 chiave esagonale Art.377 CH.19
■ 1 arresto laterale Ar.5G-125L ■ 2 tasselli di posizionamento Art.297 16/18

ATTENZIONE: LE GANASCE NON SONO INCLUSE IN DOTAZIONE STANDARD



Dotazione standard:
■ 1 chiave esagonale Art.377 CH.14 ■ 1 chiave esagonale Art.377 CH.19
■ 1 arresto laterale Ar.5G-125L ■ 2 tasselli di posizionamento Art.297 16/18

CAUTION: THE CLAMPS ARE NOT INCLUDED IN THE STANDARD SUPPLY

* Per serraggi inferiori al valore minimo indicato in tabella (quota A2) vedi pagina 7.57
* For tightening values below the minimum indicated in the table (dimension A2), see page 7.57

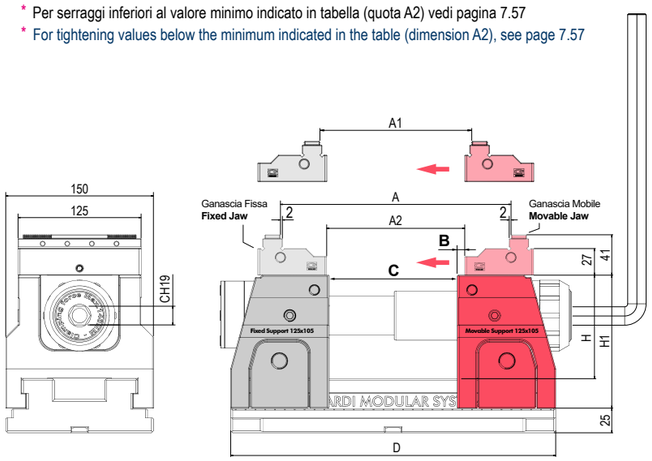
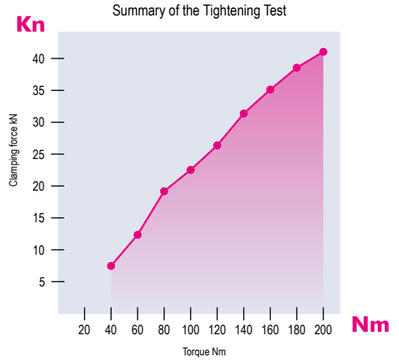
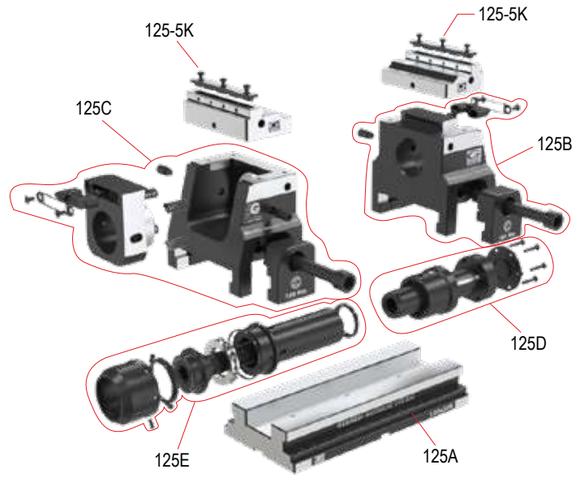


Grafico Test
Art. 5G

Riassunto della Prova di Serraggio
Summary of the Tightening Test





COMPONENTI PER MORSE 5G
COMPONENTS FOR 5G VISES

Art. 125A

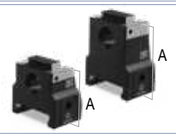
Corpo base
Base body



A	330	430	500	630
B				
Cod.	5G-125A-330	5G-125A-430	5G-125A-500	5G-125A-630

Art. 125B

Supporto ganascia fisso
Fixed jaw support



A	105	150
Cod.	5G-125B	5G-125D-150

Art. 125C

Supporto ganascia mobile
Movable jaw support



A	105	150
Cod.	5G-125C	5G-125C-150

Art. 125D

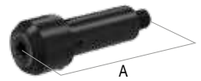
Gruppo vite per supporto fisso
Screw unit for fixed support



A	187	287	357	487
Cod.	5G-125D-330	5G-125D-430	5G-125D-500	5G-125D-630

Art. 125E

Gruppo vite per supporto mobile
Screw unit for movable support



A	210
Cod.	5G-125D

Art. 5L

Arresto laterale
Workstop



Cod.	5G-125L

INSERTI TEMPRATI
HARDENED TOP JAW INSERTS

Inserti intercambiabili temprati e sagomati per massimizzare la presa su diversi materiali.

Hardened, interchangeable inserts shaped to maximize grip on various materials.



Art. 650R

*CODA DI RONDINE
DOVE TAIL

Miglior presa pezzo
Best workpiece clamping

Cod.	7.65.0R3000



*Utensile fresa per realizzare la base del particolare da bloccare (pag. 7.29)
Milling tool for working the base of the workpiece to be clamp (pag. 7.29)

Art. 650S

LISCIA + RUVIDA
SMOOTH + ROUGH

Per materiali teneri e lavorazioni finali
For soft material clamping and final machining

Cod.	7.65.0S3000



Art. 650T G01

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

Per materiali di durezza normale
For standard workpieces hardness clamping

Cod.	7.65.0T3000/G01



Art. 650T G02

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

Per materiali di notevole durezza
For hardened workpieces clamping

Cod.	7.65.0T3000/G02



Art. 650T G11

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

Per materiali teneri
For soft material clamping

Cod.	7.65.0T3000/G11



GANASCE PER MORSE 5G
JAWS FOR 5G VISES

Art. 5B

Ganascia dolce lavorabile
Soft machinable jaw



Cod.	5G-125-5B

Art. 5K

Ganascia con inserti CompactGrip
Jaw with CompactGrip inserts



Cod.	5G-125-5K

Art. 5U

Ganascia oscillante mobile con inserti Art. 812
Floating movable jaw with inserts Art. 812



Cod.	5G-125-5U

Art. 5W

Ganascia fissa regolabile con inserti Art. 812
Adjustable fixed jaw with inserts Art. 812



Cod.	5G-125-5W

Art. 5Z

Adattatore per ganasce personalizzate
Adapter for custom jaws



Cod.	5G-125-5Z

* Per serraggi inferiori al valore minimo indicato in tabella (quota A2) è necessario acquistare separatamente i seguenti accessori:

5G-125-430 / 125H-430: necessario 5G-125D-330
5G-125-500 / 125H-500: necessari 5G-125D-330 e 5G-125D-430
5G-125-630 / 125H-630: necessari 5G-125D-330, 5G-125D-430 e 5G-125D-500

* For tightening values lower than the minimum indicated in the table (dimension A2), the following accessories must be purchased separately:

5G-125-430 / 125H-430: 5G-125D-330 required
5G-125-500 / 125H-500: 5G-125D-330 and 5G-125D-430 required
5G-125-630 / 125H-630: 5G-125D-330, 5G-125D-430, and 5G-125D-500 required

Crea la tua morsa / *Create your vise*

Scegli tra 4 lunghezze di base, 2 altezze dei supporti ganascia e 4 lunghezze delle viti fisse per ottenere la combinazione ideale in base alla corsa della macchina e alla dimensione dei particolari.
Choose from 4 base lengths, 2 jaw support heights, and 4 fixed screw lengths to create the ideal combination for your machine's travel and workpiece size.

Art. 125A **Corpo base** *Base body*



Art. 125B/C **Supporto** *Support*



Art. 125D **Vite fissa** *Fixed screw*



Automatic Vises

GRIPMATIC

Morse Automatiche per centri di lavoro automatizzati

Automatic vises system for automatic machine centre

Precisione / Accuracy
±0,02mm

HRC

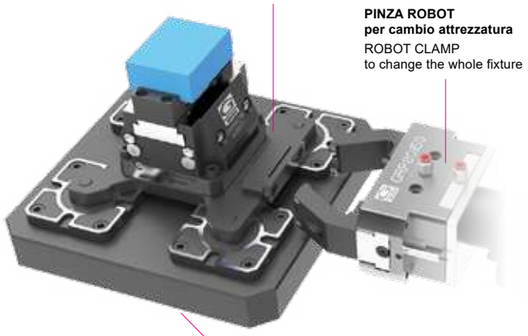
Durezza / Hardened
HRC 58±2

Caratteristiche e Vantaggi:
Features and Advantages:

- √ USURA INESISTENTE
- √ RAPIDITÀ DEI SERRAGGI
- √ PNEUMATICA O IDRAULICA
- √ UTILIZZO NON PRESIDIATO
- √ CONTROLLABILE DA CNC
- √ CARICO E SCARICO TRAMITE ROBOT
- √ PRECISIONI ± 0,02mm
- √ RIGIDITÀ & SICUREZZA
- √ DESIGN COMPATTO E MANEGGEVOLEZZA
- √ AUTOCENTRANTI

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

PNEUMATICA A DOPPIO EFFETTO O IDRAULICA
PNEUMATIC DOUBLE EFFECT OR HYDRAULIC







Totalmente Automatica
Fully Automatic

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

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



Forza di Serraggio
Clamping Force

Art.670	PN	ID
T.2	14 kN	38 kN
T.3	28,8 kN	75 kN
T.4	33,8 kN	94 kN



Zero Point Ready
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).

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

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

SCAN IT TO WATCH THE
VIDEO PRESENTATION

5 YEARS WARRANTY

Morse Automatiche Ideali per Centri a 5 Assi
Automatic Vises Ideal for 5 Axis Machining Centres

Art. 670 PN | ID

GripMatic

Le più automatiche e autocentranti
The automatic & self-centering





Piastre e Piastre Ganasce
Jaw and Jaw plates

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

ART. 671A



ART. 671B



ART. 671C



Tipo (grandezza) morsa / Vise (type) size		**2**	**3**	**4**
	kN	14	28,8	33,8
Art. 670PN Stroke	A	6,5	10	12
	A1	88,9	130,2	162
Modulo base morsa autocentrante **pneumatica** MAX 10 BAR	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
Self-centering vise base module **pneumatic MAX 10 BAR**	kg	5,2	16,1	31,1
	Cod.	7.67.0PN20	7.67.0PN30	7.67.0PN40



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

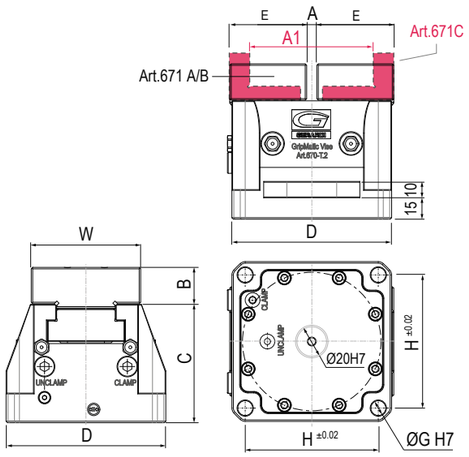
Art. 671A Ganascia lavorabile / Soft jaw	Cod.	7.67.1A200	7.67.1A300	7.67.1A400
Art. 671B Ganascia lavorabile ridotta / Soft narrow jaw	Cod.	7.67.1B200	7.67.1B300	7.67.1B400
Art. 671C Ganascia predisposta per piastre **ganasce standard ridotte** / Jaw for **narrow width standard** jaw plates	Cod.	7.67.1C200	7.67.1C300	7.67.1C400
Art. 243 Piastra ganascia piana rigata temprata / Hardened grooved straight jaw plate	Cod.	1.65.17000	1.65.27000	1.65.37000
Art. 245 Piastra ganascia piana liscia temprata / Hardened smooth straight jaw plate	Cod.	4.24.51000	4.24.52000	4.24.53000
Art. 670G 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)	H	18	25	30
	Cod.	7.67.0G200	7.67.0G300	7.67.0G400

Dotazione standard:
- N°2 viti calibrate a colletto Art.83
- Valvola di non ritorno Art. PN16
- N°2 raccordi cilindrici maschi Art.PN04
- N°2 OR



Standard equipment:
- N. 2 shoulder screw Art. 83
- No return valve Art.PN16
- N.2 Straight male adaptosr Art.PN04
- N.2 OR

Art. 670PN



Tipo (grandezza) morsa / Vise (type) size		**2**	**3**	**4**
	kN	38	75	94
Art. 670ID Stroke	A	6,5	10	12
	A1	88,9	130,2	162
Modulo base morsa autocentrante **idraulica MAX 30 BAR*** (tipo 4, MAX 25 BAR) *Presto disponibili anche 60 o 350 BAR	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
Self-centering vise base module **hydraulic MAX 30 BAR*** (Type 4, MAX 25 BAR) Soon available 60 or 350 BAR	kg	5,2	16,1	31,1
	Cod.	7.67.0ID20	7.67.0ID30	7.67.0ID40



SUGGERITA APERTURA PNEUMATICA
PNEUMATIC OPENING SUGGESTED

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

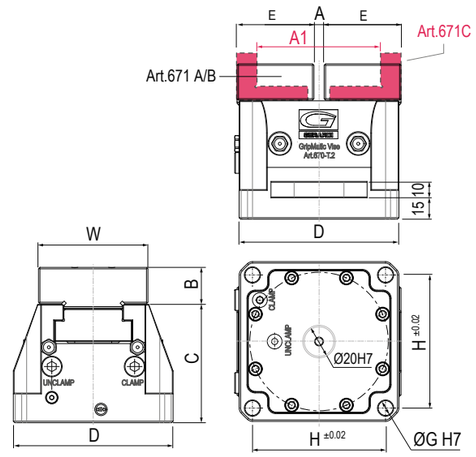
Art. 671A Ganascia lavorabile / Soft jaw	Cod.	7.67.1A200	7.67.1A300	7.67.1A400
Art. 671B Ganascia lavorabile ridotta / Soft narrow jaw	Cod.	7.67.1B200	7.67.1B300	7.67.1B400
Art. 671C Ganascia predisposta per piastre **ganasce standard ridotte** / Jaw for **narrow width standard** jaw plates	Cod.	7.67.1C200	7.67.1C300	7.67.1C400
Art. 243 Piastra ganascia piana rigata temprata / Hardened grooved straight jaw plate	Cod.	1.65.17000	1.65.27000	1.65.37000
Art. 245 Piastra ganascia piana liscia temprata / Hardened smooth straight jaw plate	Cod.	4.24.51000	4.24.52000	4.24.53000
Art. 670G 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)	H	18	25	30
	Cod.	7.67.0G200	7.67.0G300	7.67.0G400

Dotazione standard:
- N°2 viti calibrate a colletto Art.83
- N°2 Niplon
- N°2 Guarnizioni OR



Standard equipment:
- N.2 shoulder screw Art. 83
- N.2 Niplon
- N.2 Gaskets OR

Art. 670ID



PIASTRE DI INTERFACCIA PER MORSE GRIPMATIC
INTERFACED PLATES FOR GRIPMATIC VISES

Tipo (grandezza) morsa / Vise (type) size	kN	2 10,2 - 30	3 32 - 64	4 44 - 86
	A	90	140	170
	B	90	140	170
	C	-	38	-
	D	200	200	200
	E	200	200	200
	F	250	250	250
	G	250	250	250
	Cod.	7.67.0CP20	7.67.0CP30	7.67.0CP40

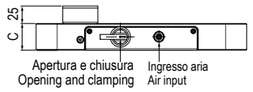
Art.670CP
SEMI AUTOMATICA
SEMI-AUTOMATIC

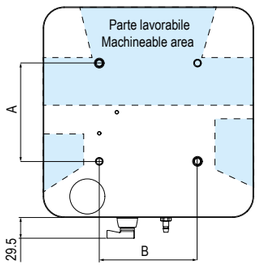
Piastra di interfaccia per morsa GripMatic Art.670 PN **semiautomatca** con innesto aria tramite attaco rapido e gestione del sistema manuale tramite selettore

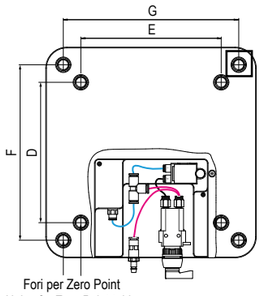


Interface plate for GripMatic vise Art.670PN **semi-automatic** quick coupling air input and manual system control through a selector.



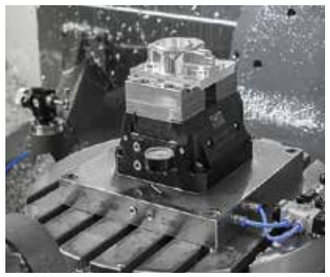








Predisposizione Zero Point
Zero Point ready



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

PIASTRE DI INTERFACCIA PERSONALIZZATE PER MORSE GRIPMATIC
CUSTOMIZED INTERFACED PLATES FOR GRIPMATIC VISES

Tipo (grandezza) morsa / Vise (type) size	kN	2 10,2 - 30	3 32 - 64	4 44 - 86
	Cod.	7.67.0AP20	7.67.0AP30	7.67.0AP40

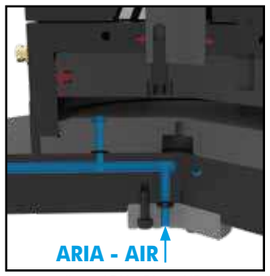
Art.670AP
AUTOMATICA
AUTOMATIC

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)

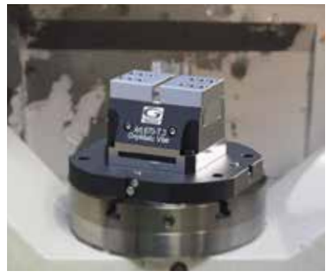


Interface plate for GripMatic vise Art.670PN **automatic** with air or oil input through the machine plate and possible to be controlled directly by the CNC. This plate can be fully tailored according the characteristics of the machine (workpiece positioning check and cleanliness)

PIASTRA COMPLETAMENTE PERSONALIZZABILE !
COMPLETE CUSTOMIZABLE PLATE !



Ingresso diretto ARIA - Direct AIR input



Esempio applicativo - Applicative example

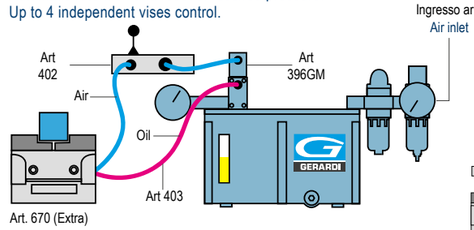
CENTRALINE PNEUMOIDRAULICHE PER MORSE GRIPMATIC
PNEUMOHYDRAULIC POWER UNIT FOR GRIPMATIC VISES

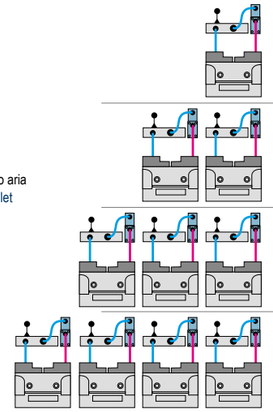
Tipo (grandezza) morsa / Vise (type) size	kN	2 10,2 - 30	3 32 - 64	4 44 - 86

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.





1 MORSA / 1 VISES - (1 Art.402 - 1 Art.403 - 1 Art.396GM)	
Cod.	7.39.4GM331
2 MORSE / 2 VISES - (2 Art.402 - 2 Art.403 - 2 Art.396GM)	
Cod.	7.39.4GM332
3 MORSE / 3 VISES - (3 Art.402 - 3 Art.403 - 3 Art.396GM)	
Cod.	7.39.4GM333
4 MORSE / 4 VISES - (4 Art.402 - 4 Art.403 - 4 Art.396GM)	
Cod.	7.39.4GM334

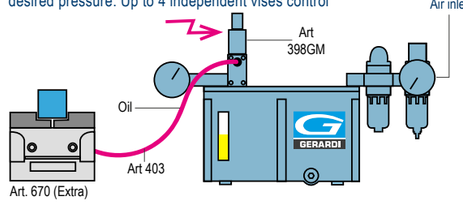
Entrata ARIA 7bar, Uscita OLIO Max 33bar - AIR inlet 7bar, output OIL Max 33bar

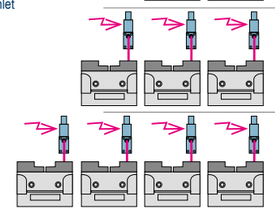
Tipo (grandezza) morsa / Vise (type) size	kN	2 10,2 - 30	3 32 - 64	4 44 - 86

Art.395 GM
COMANDO ELETTRICO
ELECTRIC CONTROL

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

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





1 MORSA / 1 VISES - (1 Art.403 - 1 Art.398GM)	
Cod.	7.39.5GM331
2 MORSE / 2 VISES - (2 Art.403 - 2 Art.398GM)	
Cod.	7.39.5GM332
3 MORSE / 3 VISES - (3 Art.403 - 3 Art.398GM)	
Cod.	7.39.5GM333
4 MORSE / 4 VISES - (4 Art.403 - 4 Art.398GM)	
Cod.	7.39.5GM334

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

ACCESSORI E RICAMBI / SPARE PARTS

Art. 403
Tubo termoplastico completo di attacco rapido Art. 270A (m 1,5)
Thermoplastic pipe complete with rapid connection Art. 270A (m 1,5)



Cod. 4.40.30000

Per ogni metro extra / For each extra meter:

Art. 402
Distributore leva angolare, 2 vie
Angular valve, 2 ways



Cod. 9.40.20000

Art. 400
Pedale bistabile
Two positions foot pedal



Cod. 4.40.00000

Art. 396 GM
Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)

Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise



Cod. 4.39.6GM00

Art. 398 GM
Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)

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

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



Cod. 4.39.8GM00

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
Art. 671B* Ganascia mobile lavorabile ridotta / Soft narrow movable jaw. Materiale temprabile 20MnCr5 / Hardenable material 20MnCr5	W	40	65	81
	A	10	10	15
	B	25	30	35
	C	15	28	38
	E	40	65	81
	Cod.	7.67.1B200	7.67.1B300	7.67.1B400
Art. 671C* Ganascia mobile predisposta per piastre ganasce standard ridotte / Movable jaw for narrow standard jaw plates. * Viti per fissaggio a richiesta / Fixing screws on request	W	74	94	124
	A	13,5	18	18
	B	38	48	58
	E	45	70	87
	F	30	51	62
	Cod.	7.67.1C200	7.67.1C300	7.67.1C400

Art. 243* — **Art. 245*** — **Art. 247G***

Piastre ganasce: Art. 243 piana rigata temprata, Art. 245 piana liscia temprata, Art. 247G con inserti GRIP.
Jaw Plates: Art. 243 Hardened flat grooved jaw plate, Art. 245 hardened flat smooth jaw plate, Art. 247G with GRIP inserts.

* Viti per fissaggio a richiesta - Fixing screws on request

Art. 670K Parti di ricambio per Morse GripMatic / Grip Matic Jaws spare parts	Cod.	7.67.0K200	7.67.0K300	7.67.0K400
Art. PN16 Valvola direzionale di non ritorno - 1/8" Gas / Unidirectional check valve - 1/8" Gas	Cod.	9.PN.16000		
Art. PN22 Raccordo a Y Ø6 - Ø8 / Y adaptor Ø6 - Ø8	Cod.	9.PN.22006/8		
Art. 83 Vite Calibrata a colletto / Schoulder calibrated screw	A	16	18	24
	B	M8	M10	M12
	C	10h7	12h7	16h7
	D	15	15	18
	E	7	8	11
	X	30	40	45
	Cod.	8.83.10300	8.83.12400	8.83.16450
Art. 670IDL Adattatore per innesto diretto / Direct input adaptor	Cod.	7.67.0IDL20	7.67.0IDL30	
Art. 670P Perno di centraggio / Straight pin	ØB	20 - 30 - 38,1 - 50 - 50,8		
	Cod.	7.67.0P3000		

Specificare sempre quote B e L - Specify always B & L dimensions

Clamping system

DOVE TAIL

SCAN IT TO WATCH THE VIDEO PRESENTATION

5 YEARS WARRANTY

Sistema a Coda di Rondine per centri a 5 assi

Irreversible Dove Tail system for 5th axis centres

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

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

Insuperabile per particolari di dimensioni ridotte

Unbeatable to clamp small workpieces

Non Disponibile per Not Available for **U.S.A**

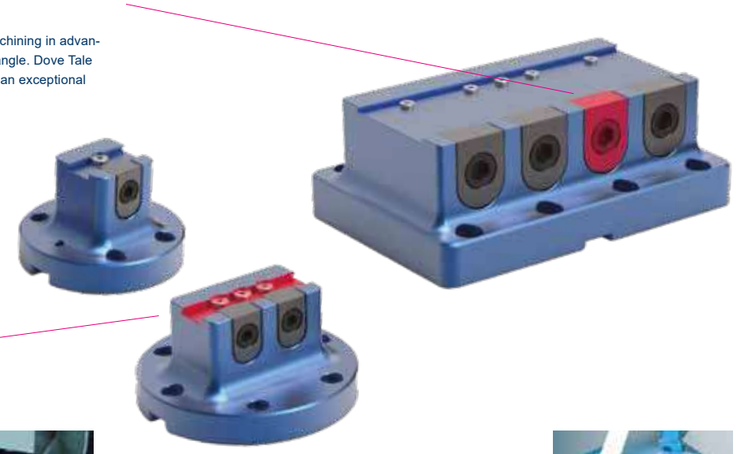
Sistema Irreversibile
Irreversible System



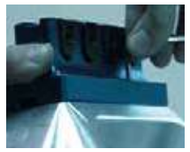
Ogni particolare può essere serrato tramite il sistema a Coda di Rondine prelavorando la faccia inferiore, creando una sagoma dell'altezza di 3mm e un angolo di 60°. Il sistema a coda di rondine è un sistema ad incastro irreversibile che garantisce un' estrema rigidità della presa pezzo durante tutti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

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

Art. 690



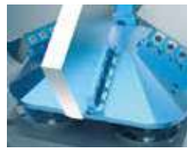
Serraggio ad Incastro
Irreversible clamping



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.

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.

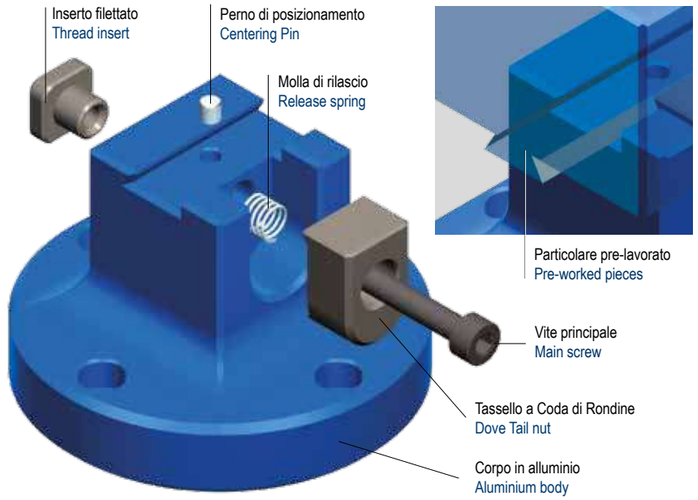
The pyramidal riser allows the simultaneous mounting of 4 Dove tail systems inclined at 30° thus increasing the working space, widening the machining possibilities and also reducing the dead times.

SISTEMA A CODA DI RONDINE
DOVE TAIL FIXTURES

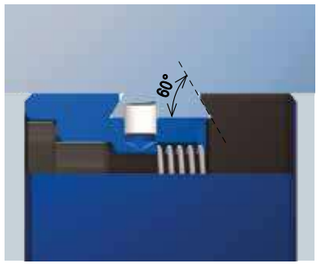
Art.690

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.

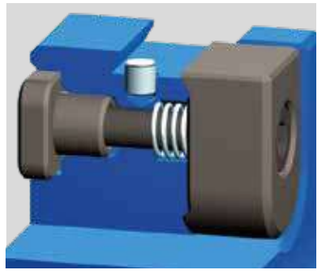


COME SERRARE UN PARTICOLARE CON IL SISTEMA A CODA DI RONDINE
HOW TO CLAMP WORKPIECES WITH DOVE TAIL FIXTURE



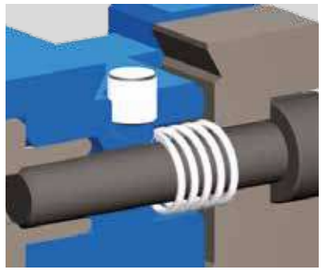
1 PREDISPOSIZIONE CODA DI RONDINE
DOVE TAIL SET-UP

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.



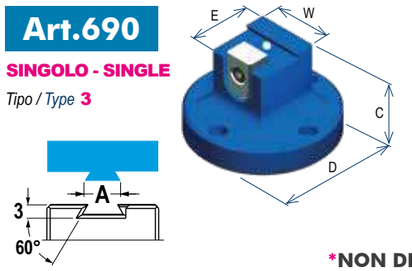
3 SERRAGGIO & RILASCIO GRADUALE
CLAMPING & GRADUAL RELEASE

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

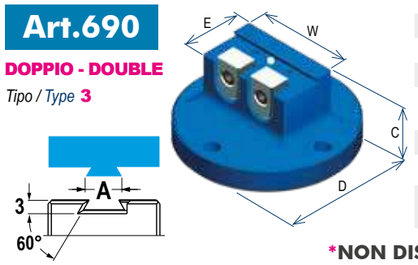
Art.690
SINGOLO - SINGLE
Tipo / Type **3**



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

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

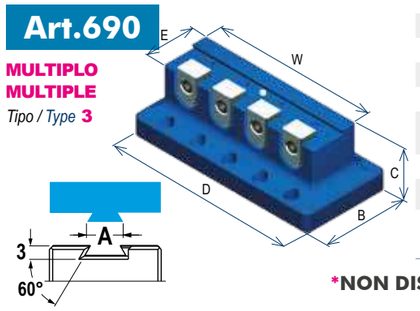
Art.690
DOPPIO - DOUBLE
Tipo / Type **3**



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

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

Art.690
MULTIPLO
MULTIPLE
Tipo / Type **3**



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

Art.690G
Gruppo di serraggio completo per sistema a coda di rondine
Complete clamping kit for Dove tail System

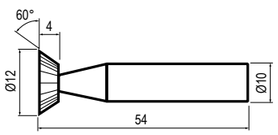


	1	2	3	4	5	6
Cod.	12.690.G001	12.690.G002	12.690.G003	12.690.G004	12.690.G005	12.690.G006

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

Art.690DTF
Utensile fresa per realizzare la base del particolare da bloccare
Milling tool for working the base of the workpiece to clamp





	1	2	3	4	5	6
Cod.	7.69.0DTF10					

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

Art. 57C — **Cubo lavorata** / Machined cube



Dim. A=300 / B=630 / E=150 / H=950

Cod. 8.57.C00140

Art. 864 — **Tipo di morsa** / Vise type



Art.670 Type 2 — 2 x Art.671A

Cod. 7.67.0PN20 — Cod. 7.67.1A200

Numero morse / Vises number x **12**

+

Predisposizione e montaggio completo
Complete set up & mounting



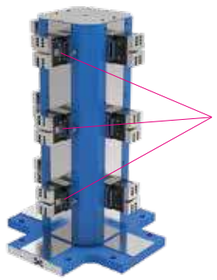
Cod. MAN-040-FMS

Per morsa / each vise

+

Realizzazione di fori filettati o fori di fissaggio (da un minimo di 4 a un massimo di 6), fori calibrati o chiavette (da un minimo di 2 a un massimo di 3).
Creation of threaded holes or screw holes (minimum 4 and maximum 6), calibrated holes or key-ways (minimum 2 and maximum 3).

Cubo con morse / Cube with vises



=

TABULATO controllo DEA - MAN-100-FMS :
PRINTOUT DEA control - MAN-100-FMS :

MONTAGGIO e ALLINEAMENTO MORSE su CUBI a RETICOLO
ALIGNEMENT and VISES MOUNTING on GRID TOMBSTONES

Art. 53F — **Cubo a reticolo** / Grid tombstone



Dim. A=250 / B=500 / H=1000

Cod. 8.53.F00107

Art. 864 — **Tipo di morsa** / Vise type



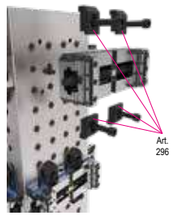
Art.650 Type 2x240

Cod. 5.86.43500

Numero morse / Vises number x **12**

+

Montaggio ed allineamento (standard)
(Standard) Assembly and alignment



Cod. MAN-070-FMS

Per morsa / each vise

+

Montaggio di una o più morse e/o attrezzature già predisposte tra loro comprensivo di controllo manuale. Il prezzo di listino comprende manodopera, viti, staffe e tasselli per singola morsa.
Assembly of one or more vises or equipments already interfaced between themselves complete of manual check. The list price includes working hours, screws, holding clamps and key-nuts for only one vise.

Art. 750 — **Cubo con morse** / Cube with vises



Art.750 Tipo 3

Cod. 1.75.03300

=

TABULATO controllo DEA - MAN-100-FMS :
PRINTOUT DEA control - MAN-100-FMS :

Diagrammi serraggio / *Clamping diagrams*

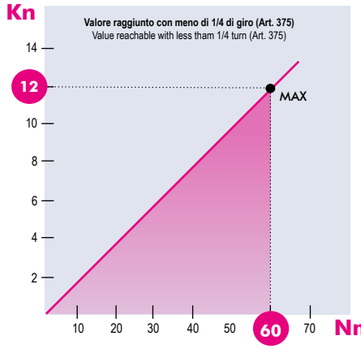
Multitasking

Diagrammi di serraggio meccanico con chiave dinamometrica
Mechanical clamping diagrams with torque wrench

Art. 357

Morse tipo / *Vises type* **1**

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

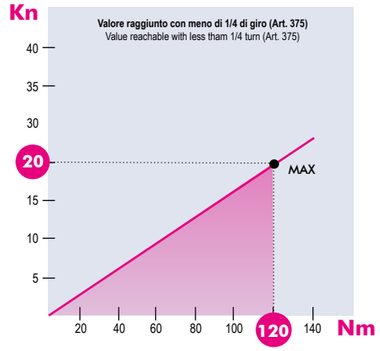




Art. 357

Morse tipo / *Vises type* **2**

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

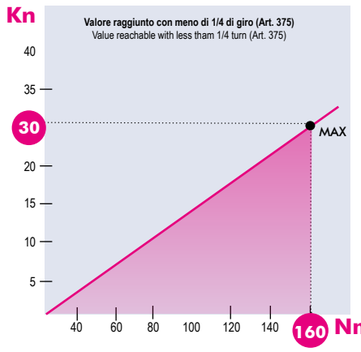


Gruppi di serraggio meccanici / *Mechanical clamping devices*

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

Morse tipo / *Vises type* **3**

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

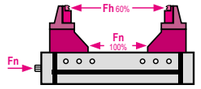




Art. 357

FMS

Art. 868



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

Morse tipo 1 (Max 25 kN - 120 Nm)
Vises type 1 (Max 25 kN - 120 Nm)

Morse tipo 2 (Max 25 kN - 140 Nm)
Vises type 2 (Max 25 kN - 140 Nm)

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

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

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

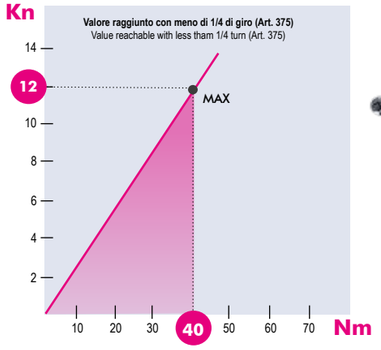
Diagrammi di serraggio / *Clamping diagrams*

CompactGrip

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench **Art. 357**

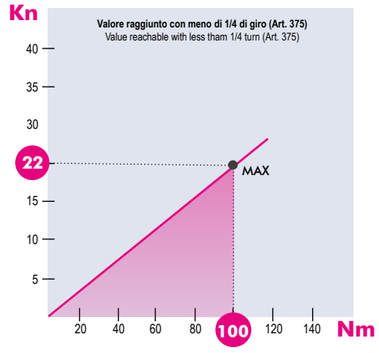
Morse Tipo **1**
Vise Type
Vite TPF24- Passo 2mm
Screw TPF24 - Pitch 2mm



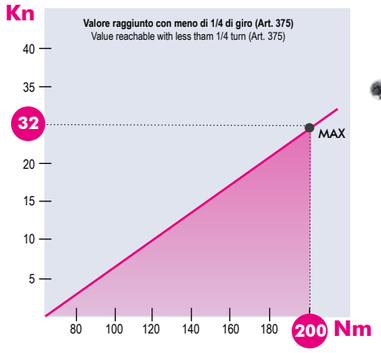


Art. 357

Morse Tipo **2**
Vise Type
Vite TPF24- Passo 2mm
Screw TPF24 - Pitch 2mm



Morse Tipo **3**
Vise Type
Vite TPF24- Passo 2mm
Screw TPF24 - Pitch 2mm

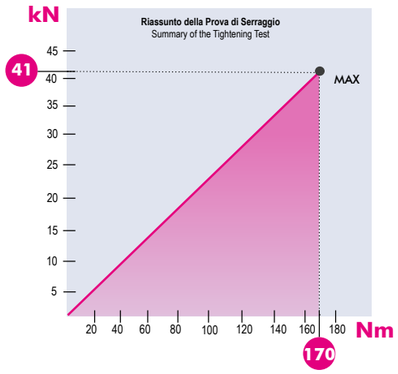




Art. 357

MaxiGrip

Art.685 / 684 **4**
Vite TPF24- Passo 2mm
Screw TPF24 - Pitch 2mm
T4x270
T4x420



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

Diagrammi di serraggio / *Clamping diagrams*

GripMatic

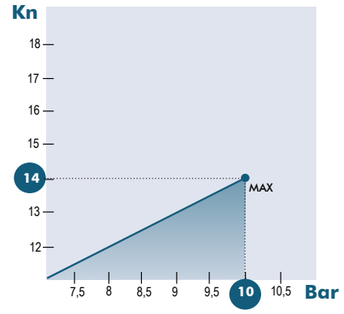
Diagrammi di serraggio pneumatico/idraulico

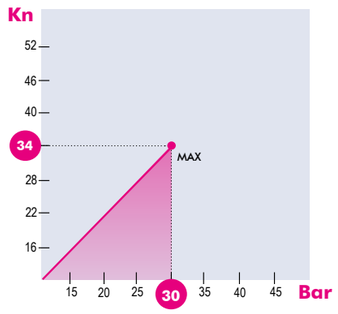
Pneumatic/hydraulic clamping diagrams

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

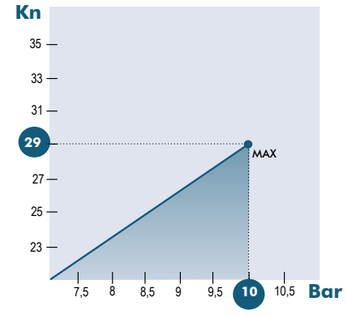
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 2 a 4). In funzione della pressione dei fluidi (aria e olio).
The following diagrams give the clamping force that can be obtained with each vise type (size 2 to 4) as a function of the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

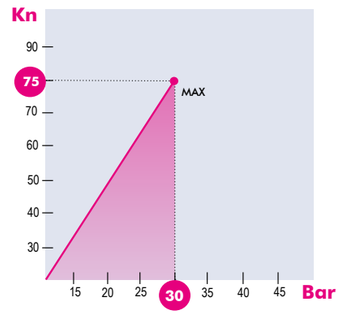
Morse tipo **2**
Vises type
(1 bar = 14,5 psi)
Pistone Ø85mm -
Superficie utile 51,8mm^2
Hydraulic cylinder Ø85mm
Effective surface 51,8mm^2



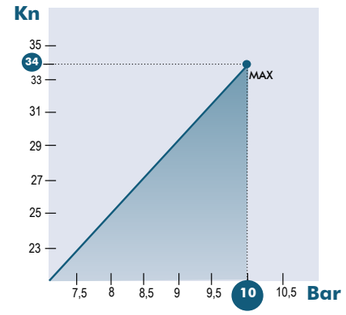


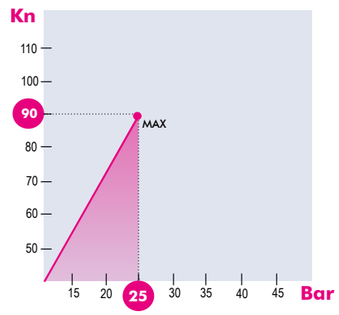
Morse tipo **3**
Vises type
(1 bar = 14,5 psi)
Pistone Ø135mm -
uperficie utile 132,3mm^2
Hydraulic cylinder Ø135mm -
Effective surface 132,3mm^2





Morse tipo **4**
Vises type
(1 bar = 14,5 psi)
Pistone Ø170mm
Superficie utile 209,5mm^2
Hydraulic cylinder Ø170mm
Effective surface 209,5mm^2





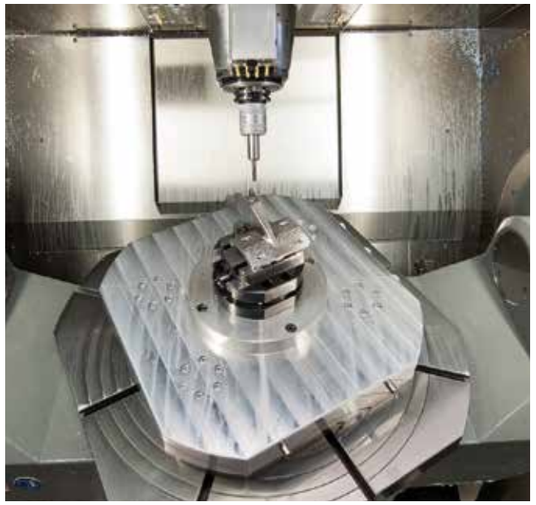
NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values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

MORSE MULTITASKING
MULTITASKING VISES

Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions



MORSE COMPACTGRIP
COMPACTGRIP VISES

Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

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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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Scansiona il QR code e scarica le istruzioni complete

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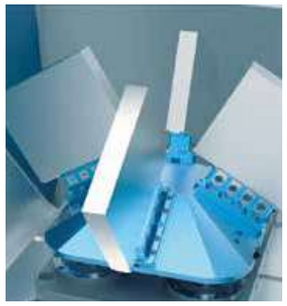
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