



*For 5th axis  
machining centres!*

**MULTITASKING**

**Morse / Vises**

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# VALIGETTA DI CAMPIONATURA COMPACT GRIP

## SAMPLE KIT CASE COMPACT GRIP

**NEW**

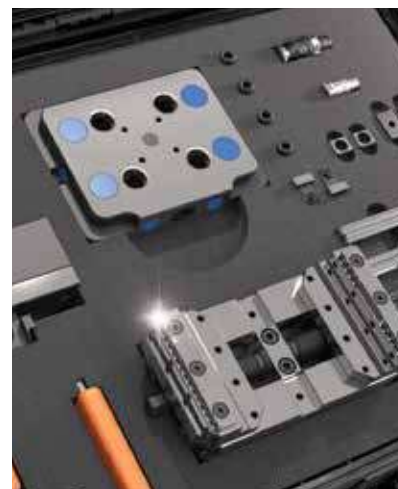
**Art. 986**

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

Cod. 0.98.60000

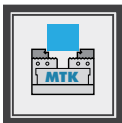
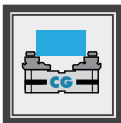
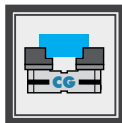
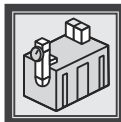
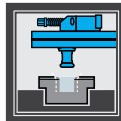
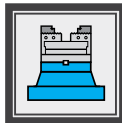
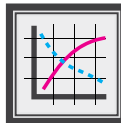
**All'Interno - Inside:**

|                                                                                            |                                                                                                |                                                                                                   |
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|  Art.11A  |  Art.650G G11 |  Art.297         |
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|  Art.79   |  Art.298/CGR  |  Art.650GZ       |



## SIMBOLOGIA DATI TECNICI

## TECHNICAL DATA ICONS

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



## Multitasking & CompactGrip vises

# MULTITASKING

**Morse autocentranti per applicazioni avanzate su centri a 5 assi**

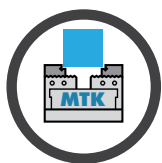
*Vises for advanced applications on 5 axis machining centres*



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



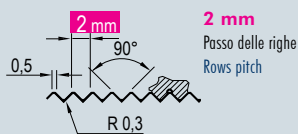
Durezza / Hardened  
**HRC 58 $\pm$ 2**



## Multitasking

Le Tonde  
 The Rounded

**Art. 640**



Posizionamento delle ganasce in qualsiasi posizione della dentatura della base.

Possibility the jaws on whatever positioning on the vise base.

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

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



## Versatilità Ampia Gamma Di Inserti Versatility Ampia Gamma Di Inserti

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

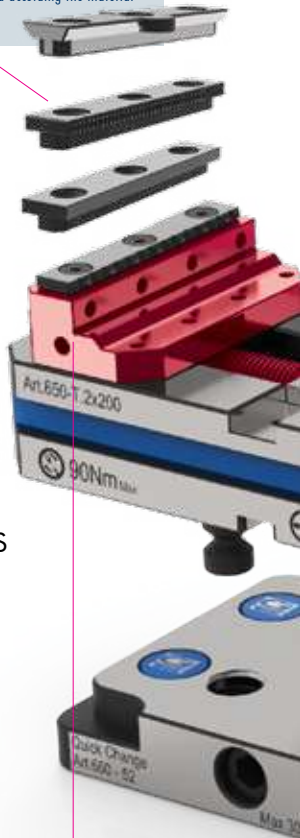
Inserts to be used on both sides Another advantage will be the greatest versatility thanks to easiest and quickest GRIP top jaw inserts exchange with different types of teeth design to be used according the material to be clamped

## CARATTERISTICHE & VANTAGGI

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

## TECHNICAL FEATURES & ADVANTAGES

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



## Ganasce Reversibili MONOBLOCCO

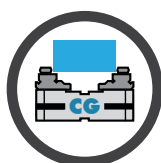
## SOLID GUIDED Reversible Jaws

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

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

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

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



## CompactGrip

Le più Compatte  
The most Compact

**Art. 650**



Tavola a cambio rapido meccanico  
Mechanical quick change table

**Art. 660**

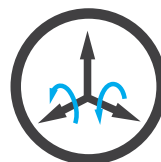
\*NON DISPONIBILE PER IL  
MERCATO TEDESCO E AUSTRIACO  
NOT AVAILABLE FOR  
GERMAN & AUSTRIAN MARKET



**Compatibilità con 4° asse**  
Compatibility with 4th axis

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

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



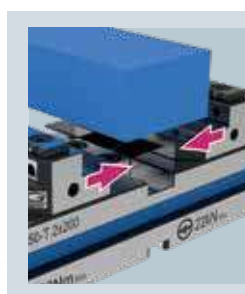
SCAN IT TO WATCH THE



VIDEO PRESENTATION



## Autocentranti e Compatte Selfcentering & Compact



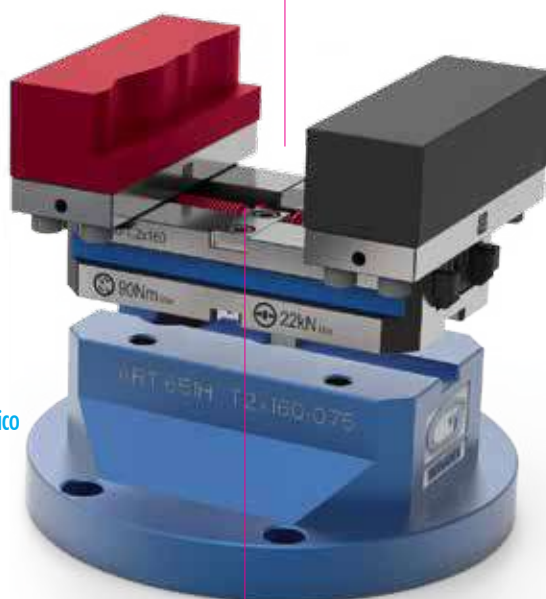
**Autocentranti regolabili**  
Self-centering adjustable

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

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

Con ganasce dolci lavorabili  
With soft machineable jaws

**Art. 950**



Rialzo semplice  
Simple riser

**Art. 651H**

**Maggior forza di serraggio**  
Highest clamping power



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

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

# Staffe di ancoraggio / Vise holding clamps



## CompactGrip

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

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



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

**Oppure con codice: 2.29.6100 X=18mm**

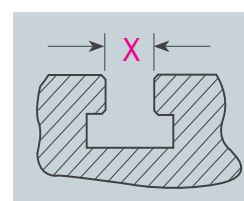
**Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm**

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



### 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

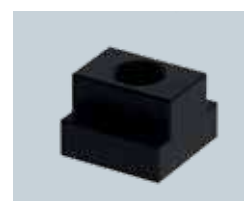


### Cava a T

#### 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 morsa alle cave a T della macchina

For vise clamping on the machine T-slots

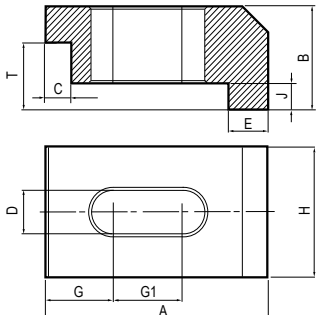


### Art.296

#### (Art.298 + Art.287)

Consigliate 2 coppie di staffe Art.296 per ogni morsa

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

| Tipo (grandezza) morsa<br>Vise type (size)                                          |                              | 1 - 2 - 3        |    |    |                  |    |    |                  |    |    |
|-------------------------------------------------------------------------------------|------------------------------|------------------|----|----|------------------|----|----|------------------|----|----|
| <b>Art. 296</b><br><b>Coppia di staffe</b><br><b>Holding clamps pair</b>            | 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<br>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

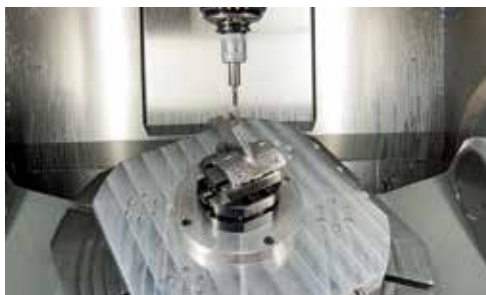
\* Scelta NON consigliata - NO Suggested choice

# Soluzioni personalizzate / Customized solutions

## 4th & 5th Axis

**Soluzioni personalizzate a tutti i vostri problemi di serraggio**

*Customized solutions for all your clamping problems*

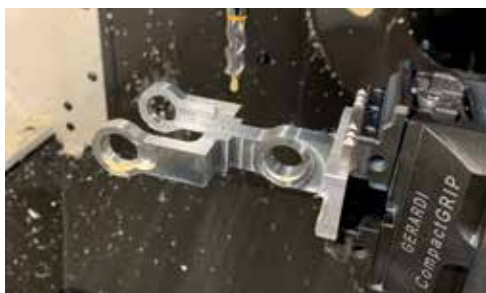


### **Morsa Multitasking su centro a 5 assi**

*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 morsa CompactGrip Art.650**

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



### **Morsa CompactGrip su rialzo semplice**

*Compact Grip vise on simple riser*

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

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



### **Morse CompactGrip su piastra Zero Point**

*CompactGrip vises on Zero Point plate*

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

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



### **Un sistema completamente automatico**

*Fully automatic system*

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

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



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

 Tipo / Type **1 e 2**

 Morsa autocentrante o eccentrica.  
 Azionamento manuale.  
 Serraggio meccanico

 Self-centering or eccentric vise.  
 Manual operation  
 Mechanical clamping

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

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

 Tipo / Type **1**

 Rialzo Semplice  
 Simple Riser


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

 Kit di fissaggio e allineamento morsa **incluso** - Vise fixing and alignment kit **included**
**Art. 641H**

 Tipo / Type **2**

 Rialzo Semplice  
 Simple Riser


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

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

 Ganascia dolce  
 Soft jaw


|      |            |            |
|------|------------|------------|
| Cod. | 6.64.5B100 | 6.64.5B200 |
|------|------------|------------|

**Art. 645C**

 Ganascia liscia  
 Smooth jaw

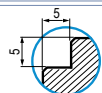

|      |            |            |
|------|------------|------------|
| Cod. | 6.64.5C100 | 6.64.5C200 |
|------|------------|------------|

**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 |
|------|------------|------------|

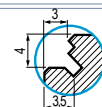
In Dotazione - Standard Equipment

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

\*(Indicare dimensione in fase d'ordine)



Standard equipment:

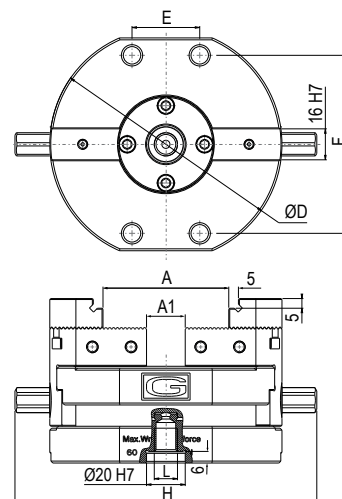
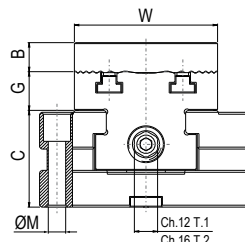
- 1 esagonal wrench Art. 375 ■ 1 workshop Art. 370
- 1 pair of positioning key-nuts Art. 297
- 1 calibrated centering pin Art. 640P\*

\*(Dimension to be advised at order)

**Art. 640**

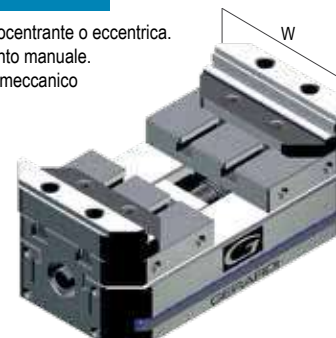
 Tipo / Type **1 e 2**

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

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




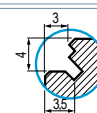
| Tipo (grandezza) morsa<br>Vise type (size)                                        |  | kN   | 3<br>30 kN |
|-----------------------------------------------------------------------------------|--|------|------------|
| <b>Art. 640</b> Tipo / Type <b>3 x 166</b>                                        |  | A    | 108        |
|                                                                                   |  | A1   | 20         |
|                                                                                   |  | W    | 138        |
|                                                                                   |  | B    | 30         |
|                                                                                   |  | C    | 58         |
|                                                                                   |  | D    | 166        |
|                                                                                   |  | E    | -          |
|                                                                                   |  | kg   | 13         |
|                                                                                   |  | Cod. | 7.64.03166 |
| Morsa autocentrante o eccentrica.<br>Azionamento manuale.<br>Serraggio meccanico  |  |      |            |
|  |  |      |            |
| Self-centering or eccentric vise.<br>Manual operation<br>Mechanical clamping      |  |      |            |

| Tipo (grandezza) morsa<br>Vise type (size)                                         |  | kN   | 3<br>30 kN |
|------------------------------------------------------------------------------------|--|------|------------|
| <b>Art. 640</b> Tipo / Type <b>3 x 266</b>                                         |  | A    | 208        |
|                                                                                    |  | A1   | 60         |
|                                                                                    |  | W    | 138        |
|                                                                                    |  | B    | 30         |
|                                                                                    |  | C    | 58         |
|                                                                                    |  | D    | 266        |
|                                                                                    |  | E    | 200        |
|                                                                                    |  | kg   | 20         |
|                                                                                    |  | Cod. | 7.64.03266 |
| Morsa autocentrante o eccentrica.<br>Azionamento manuale.<br>Serraggio meccanico   |  |      |            |
|  |  |      |            |
| Self-centering or eccentric vise.<br>Manual operation<br>Mechanical clamping       |  |      |            |

## UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

|                                                                                                     |      |                   |                   |                    |
|-----------------------------------------------------------------------------------------------------|------|-------------------|-------------------|--------------------|
| <b>Art. 641H</b>                                                                                    | B    | 50                | 75                | 100                |
| Tipo / Type <b>3 x 166</b>                                                                          | Cod. | 7.64.1H3166AL /50 | 7.64.1H3166AL /75 | 7.64.1H3166AL /100 |
| Rialzo Semplice<br>Simple Riser                                                                     |      |                   |                   |                    |
| Kit di fissaggio e allinamento morsa <b>incluso</b> - Vise fixing and alignment kit <b>included</b> |      |                   |                   |                    |

|                                                                                                     |      |                   |                   |                    |
|-----------------------------------------------------------------------------------------------------|------|-------------------|-------------------|--------------------|
| <b>Art. 641H</b>                                                                                    | B    | 50                | 75                | 100                |
| Tipo / Type <b>3 x 266</b>                                                                          | Cod. | 7.64.1H3266AL /50 | 7.64.1H3266AL /75 | 7.64.1H3266AL /100 |
| Rialzo Semplice<br>Simple Riser                                                                     |      |                   |                   |                    |
| Kit di fissaggio e allinamento morsa <b>incluso</b> - Vise fixing and alignment kit <b>included</b> |      |                   |                   |                    |

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

Dotazione standard:

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

\*(Indicare dimensione in fase d'ordine)

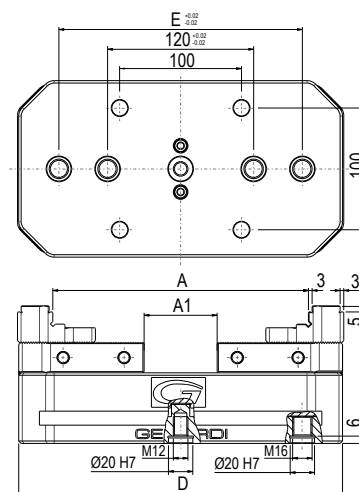
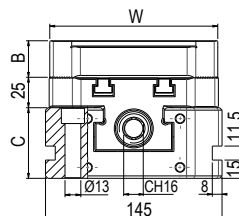


## Art. 640

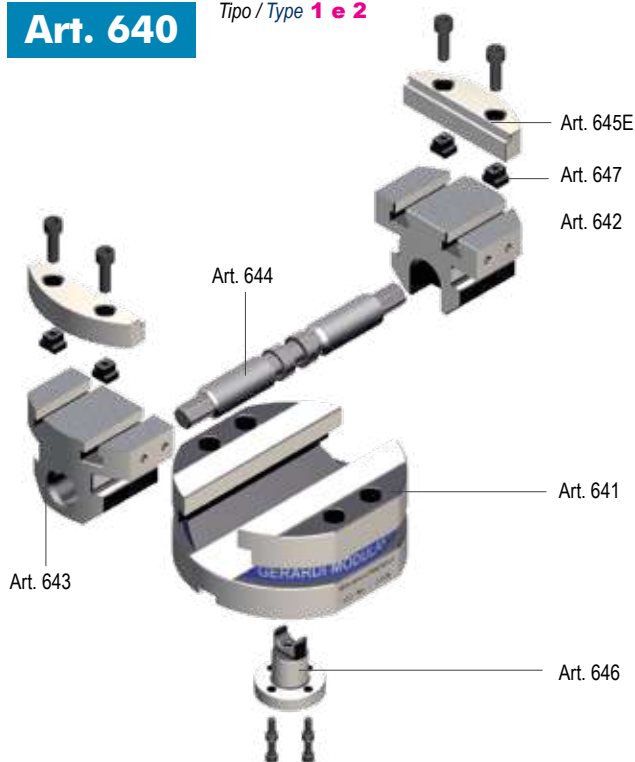
Tipo / Type **3**

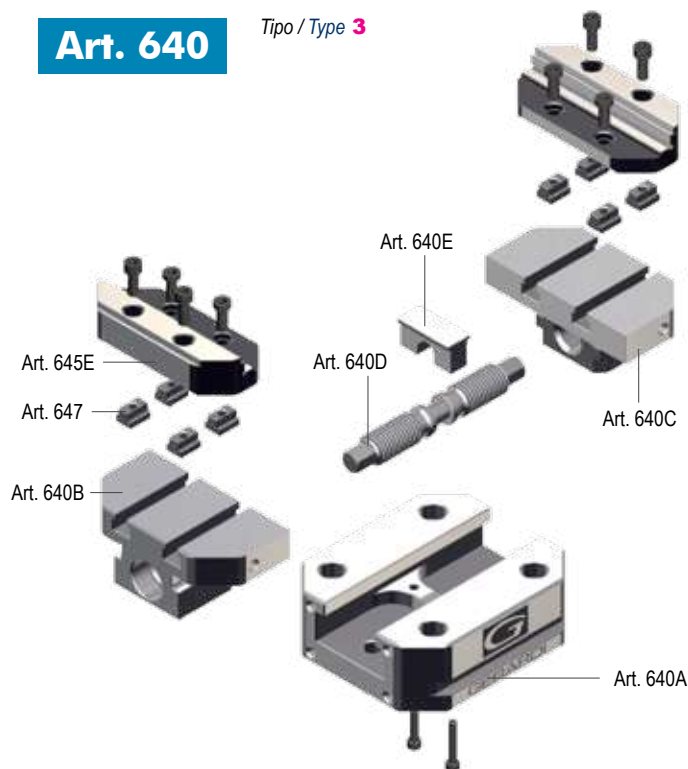


**Esempio di ordine:** Art. 640 tipo 3 x 166  
(Art. 79 20mm + Art. 640P 40mm)  
**Example of order:** Art. 640 type 3 x 166  
(Art. 79 20mm + Art. 640P 40mm)



**Art. 640**

 Tipo / Type **1 e 2**

**Art. 640**

 Tipo / Type **3**

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

Cod.

6.64.11000

6.64.12000

 Corpo base  
 Base body

**Art. 642**

Cod.

6.64.21000

6.64.22000

 Slitta integrale destra  
 Solid slide right hand

**Art. 643**

Cod.

6.64.31000

6.64.32000

 Slitta integrale sinistra  
 Solid slide left hand

**Art. 644**

Cod.

6.64.41000

6.64.42000

 Vite di bloccaggio  
 Main screw

**Art. 645E**

Cod.

6.64.5E100

6.64.5E200

 Ganascia a gradino  
 Step jaw

**Art. 646**

Cod.

6.64.61000

6.64.62000

 Forcella  
 Yoke

**Art. 647**

Cod.

6.64.71000

6.64.72000

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

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

Cod.

7.64.0A3166

7.64.0A3266

 Corpo base  
 Base body

**Art. 640B**

Cod.

7.64.0B3166

7.64.0B3266

 Slitta integrale sinistra  
 Solid slide left hand

**Art. 640C**

Cod.

7.64.0C3166

7.64.0C3266

 Slitta integrale destra  
 Solid slide right hand

**Art. 640D**

Cod.

7.64.0D3166

7.64.0D3266

 Vite di bloccaggio  
 Main screw

**Art. 640E**

Cod.

7.64.0E3166

7.64.0E3266

 Forcella  
 Yoke

**Art. 645E**

Cod.

7.64.5E300

 Ganascia a gradino  
 Step jaw

**Art. 647**

Cod.

7.64.73000

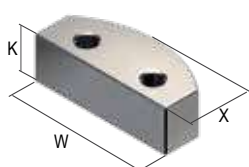
 Dado a T (Cad.)  
 T nut (Each)

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

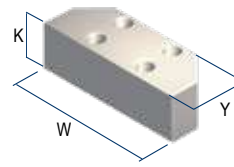
| Tipo (grandezza) / Type (size) | 1                      | 2                | 3               |
|--------------------------------|------------------------|------------------|-----------------|
|                                | B 15<br>Y 27,5<br>W 74 | 20<br>32,5<br>99 | 30<br>50<br>138 |

## Art. 645B\*

Ganascia dolce  
Soft jaw



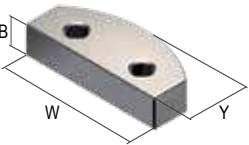
|      |            |            |
|------|------------|------------|
| K    | 20         | 30         |
| X    | 27,5       | 42,5       |
| Cod. | 6.64.5B100 | 6.64.5B200 |



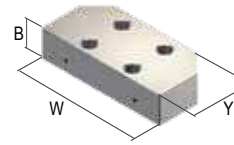
|      |            |
|------|------------|
| 50   | -          |
| Cod. | 7.64.5B300 |

## Art. 645C\*

Ganascia liscia  
Smooth jaw



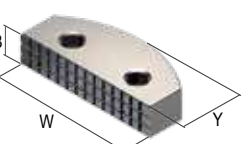
|      |            |            |
|------|------------|------------|
| Cod. | 6.64.5C100 | 6.64.5C200 |
|------|------------|------------|



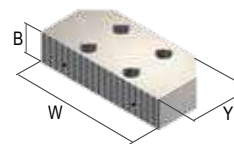
|      |            |
|------|------------|
| Cod. | 7.64.5C300 |
|------|------------|

## Art. 645D\*

Ganascia zigrinata  
Serrated jaw



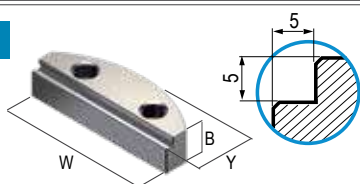
|      |            |            |
|------|------------|------------|
| Cod. | 6.64.5D100 | 6.64.5D200 |
|------|------------|------------|



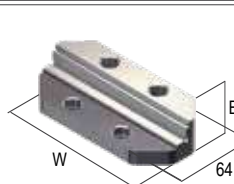
|      |            |
|------|------------|
| Cod. | 7.64.5D300 |
|------|------------|

## Art. 645E\*

Ganascia a gradino  
Step jaw



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

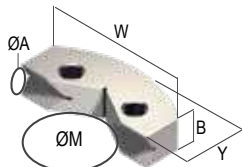


|      |            |
|------|------------|
| Cod. | 7.64.5E300 |
|------|------------|

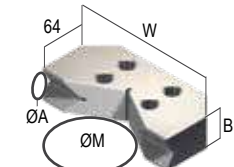
In Dotazione  
Standard Equipment

## Art. 645F\*

Ganascia prismatica  
Prismatic jaw



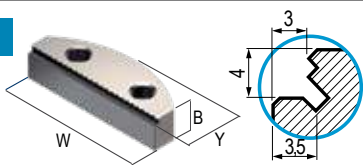
|      |            |            |
|------|------------|------------|
| ØA   | 7 ÷ 15     | 9 ÷ 20     |
| ØM   | 25 ÷ 70    | 35 ÷ 110   |
| Cod. | 6.64.5F100 | 6.64.5F200 |



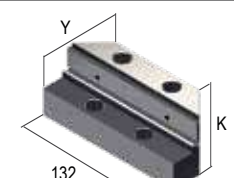
|         |            |
|---------|------------|
| 12 ÷ 30 | 50 ÷ 160   |
| Cod.    | 7.64.5F300 |

## Art. 645T\*

Ganascia GRIP Jaw



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



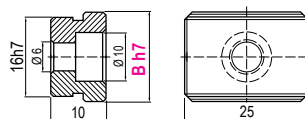
|      |            |
|------|------------|
| Cod. | 7.64.5T300 |
|------|------------|

\* Viti per fissaggio a richiesta    Fixing screws on request

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

## Art. 297

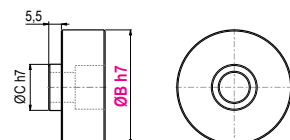
Coppia di tasselli di posizionamento  
completi di vite M5 x 10  
Pair of positioning key-nuts with M5 x 10 clamping screw



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

## Art. 640P

Perno calibrato per centraggio  
Calibrated centering pin



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

\* Specificare sempre quota B - Specify always B dimension



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

 Tipo / Type **1 e 2**

 Morsa autocentrante o eccentrica.  
 Azionamento manuale.  
 Serraggio meccanico

 Self-centering or eccentric vise.  
 Manual operation  
 Mechanical clamping

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

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

 Tipo / Type **1**

 Rialzo Semplice  
 Simple Riser

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

 Kit di fissaggio e allineamento morsa **incluso** - Vise fixing and alignment kit **included**
**Art. 641H**

 Tipo / Type **2**

 Rialzo Semplice  
 Simple Riser

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

 Kit di fissaggio e allineamento morsa **incluso** - Vise fixing and alignment kit **included**
**Art. 655B**

 Piastra ganascia dolce  
 Soft jaw-plate


|      |            |            |
|------|------------|------------|
| Cod. | 7.65.5B100 | 7.65.5B200 |
|------|------------|------------|

**Art. 655C**

 Piastra ganascia liscia  
 Smooth jaw-plate


|      |            |            |
|------|------------|------------|
| Cod. | 7.65.5C100 | 7.65.5C200 |
|------|------------|------------|

**Art. 655D**

 Piastra ganascia zigrinata  
 Serrated jaw-plate


|      |            |            |
|------|------------|------------|
| Cod. | 7.65.5D100 | 7.65.5D200 |
|------|------------|------------|

**Art. 655F**

 Piastra ganascia prismatica  
 Prismatic jaw-plate


|      |                   |            |
|------|-------------------|------------|
| Ø    | 10 ÷ 18           | 10 ÷ 30    |
| Cod. | 7.65.5F118        | 7.65.5F230 |
| Ø    | 15 ÷ 23 * 23 ÷ 30 | 25 ÷ 45    |
| Cod. | 7.65.5F123        | 7.65.5F245 |

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

**Art. 655J**

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


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

Da usare in coppia / To be used as a pair

In Dotazione - Standard Equipment

Dotazione standard:

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

\*(Indicare dimensione in fase di ordine)

Art. 655J



Art. 640J

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

Standard equipment:

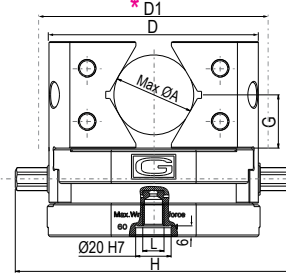
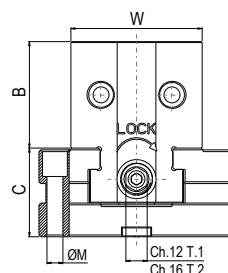
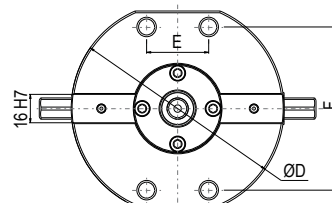
- 1 hexagonal wrench Art. 375 ■ 1 workstop Art. 370
- 2 pair of plates Art. 655F (Tot. 4 pcs) ■ 1 pair soft jaw plates Art. 655B
- 1 pair of positioning key-nuts Art. 297\*
- 1 calibrated centering pin Art. 640P\*

\*(Dimension to be advised at order)

**Art. 640J**

 Tipo / Type **1 e 2**

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

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


**Tipo (grandezza) morsa**  
 Vise type (size)

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

Morsa autocentrante o eccentrica.  
 Azionamento manuale.  
 Serraggio meccanico



Self-centering or eccentric vise.  
 Manual operation  
 Mechanical clamping

|      | kN         | 30 kN   |
|------|------------|---------|
| Ø A  |            | 44 ÷ 68 |
| A1   |            | -       |
| W    |            | 78      |
| B    |            | 75      |
| C    |            | 58      |
| D    |            | 166     |
| E    |            | -       |
| G    |            | 45      |
| kg   |            | 15      |
| Cod. | 7.64.0J310 |         |

**Tipo (grandezza) morsa**  
 Vise type (size)

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

Morsa autocentrante o eccentrica.  
 Azionamento manuale.  
 Serraggio meccanico



Self-centering or eccentric vise.  
 Manual operation  
 Mechanical clamping

|      | kN         | 30 kN    |
|------|------------|----------|
| Ø A  |            | 48 ÷ 102 |
| A1   |            | 66       |
| W    |            | 78       |
| B    |            | 95       |
| C    |            | 58       |
| D    |            | 266      |
| E    |            | 200      |
| G    |            | 55       |
| kg   |            | 22       |
| Cod. | 7.64.0J320 |          |

### UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

**Art. 641H**

Tipo / Type **3 x 166**

Rialzo Semplice  
 Simple Riser



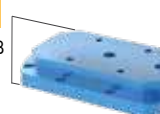
| B    | 50                | 75                | 100                |
|------|-------------------|-------------------|--------------------|
| Cod. | 7.64.1H3166AL /50 | 7.64.1H3166AL /75 | 7.64.1H3166AL /100 |

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

**Art. 641H**

Tipo / Type **3 x 266**

Rialzo Semplice  
 Simple Riser



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

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

**Art. 655B**

Piastra ganasca dolce  
 Soft jaw-plate



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

**Art. 655C**

Piastra ganasca liscia  
 Smooth jaw-plate



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

**Art. 655D**

Piastra ganasca zigrinata  
 Serrated jaw-plate



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

**Art. 655F**

Piastra ganasca prismatica  
 Prismatic jaw-plate



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

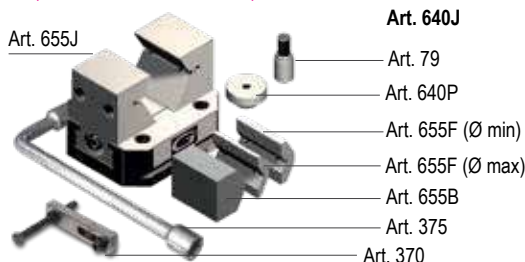


| Ø    | 44 ÷ 68    | 48 ÷ 102   |
|------|------------|------------|
| Cod. | 7.65.5J316 | 7.65.5J326 |

In Dotazione - Standard Equipment

#### Dotazione standard:

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



#### Standard equipment:

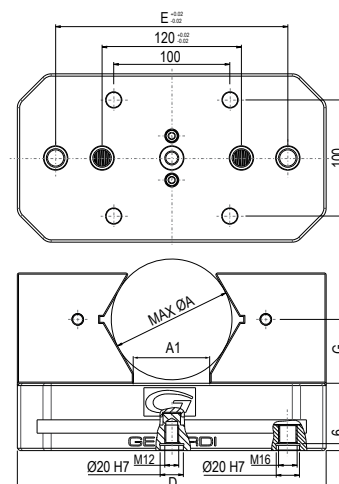
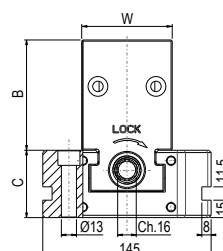
- 1 box wrench Art. 375 ■ 1 workstop Art. 370
  - 2 pair of plates Art. 655F (Tot. 4 pcs) ■ 1 pair soft jaw plates Art. 655B
  - 1 calibrated centering and orientation pin Art. 79\* ■ 1 calibrated centering pin Art. 640P\*
- \*(Dimension to be advised at order)

### Art. 640J

Tipo / Type **3**



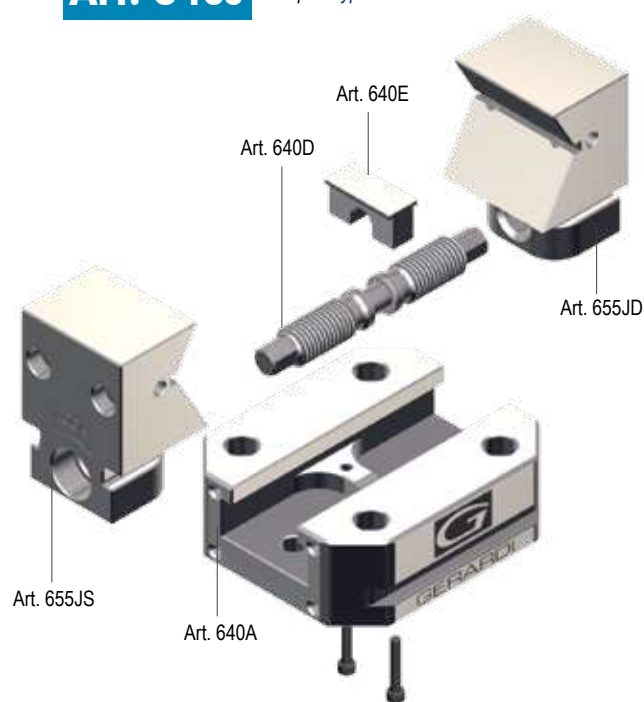
**Esempio di ordine:** Art. 640J tipo 3 x 266  
 (Art. 79 20mm + Art. 640P 30mm)  
**Example of order:** Art. 640J type 3 x 266  
 (Art. 79 20mm + Art. 640P 30mm)



**Art. 640J**

 Tipo / Type **1 e 2**

**Art. 640J**

 Tipo / Type **3**


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

|                         |                 |            |
|-------------------------|-----------------|------------|
| <b>Art. 641</b>         | Cod. 6.64.11000 | 6.64.12000 |
| Corpo base<br>Base body |                 |            |

|                                  |                 |            |
|----------------------------------|-----------------|------------|
| <b>Art. 644</b>                  | Cod. 6.64.41000 | 6.64.42000 |
| Vite di bloccaggio<br>Main screw |                 |            |

|                                                               |                 |            |
|---------------------------------------------------------------|-----------------|------------|
| <b>Art. 645JD*</b>                                            | Cod. 7.64.5JD10 | 7.64.5JD20 |
| Ganascia integrale prismatica dx<br>Solid prismatic right jaw |                 |            |

|                                                              |                 |            |
|--------------------------------------------------------------|-----------------|------------|
| <b>Art. 645JS*</b>                                           | Cod. 7.64.5JS10 | 7.64.5JS20 |
| Ganascia integrale prismatica sx<br>Solid prismatic left jaw |                 |            |

|                  |                 |             |
|------------------|-----------------|-------------|
| <b>Art. 646</b>  | Cod. 6.64.61000 | 6.64.462000 |
| Forcella<br>Yoke |                 |             |

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

|                         |                  |             |
|-------------------------|------------------|-------------|
| <b>Art. 640A</b>        | Cod. 7.64.0A3166 | 7.64.0A3266 |
| Corpo base<br>Base body |                  |             |

|                                  |                  |             |
|----------------------------------|------------------|-------------|
| <b>Art. 640D</b>                 | Cod. 7.64.0D3166 | 7.64.0D3266 |
| Vite di bloccaggio<br>Main screw |                  |             |

|                  |                  |             |
|------------------|------------------|-------------|
| <b>Art. 640E</b> | Cod. 7.64.0E3166 | 7.64.0E3266 |
| Forcella<br>Yoke |                  |             |

|                                                               |                  |             |
|---------------------------------------------------------------|------------------|-------------|
| <b>Art. 655JD*</b>                                            | Cod. 7.65.5JD316 | 7.65.5JD326 |
| Ganascia integrale prismatica dx<br>Solid prismatic right jaw |                  |             |

|                                                              |                  |             |
|--------------------------------------------------------------|------------------|-------------|
| <b>Art. 655JS*</b>                                           | Cod. 7.65.5JS316 | 7.65.5JS326 |
| Ganascia integrale prismatica sx<br>Solid prismatic left jaw |                  |             |



# GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.640J

## JAWS & JAW PLATES FOR MULTITASKING VISES Art.640J

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

In Dotazione - Standard Equipment

|                      |  |  |  |
|----------------------|--|--|--|
| <b>Art. 655J</b>     |  |  |  |
| Tipo / Type <b>3</b> |  |  |  |
|                      |  |  |  |
|                      |  |  |  |

In Dotazione - Standard Equipment

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

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

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

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

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

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

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

|                                                            |                       |                                     |            |
|------------------------------------------------------------|-----------------------|-------------------------------------|------------|
| <b>Art. 640P</b>                                           |                       |                                     |            |
| Perno calibrato per centraggio<br>Calibrated centering pin |                       |                                     |            |
|                                                            | ØB<br>Cod. 7.64.0P100 | 30 - 38,1 - 50 - 50,8<br>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**

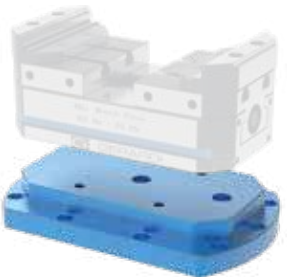


| Tipo (grandezza) rialzo<br>Riser type                                                                                                                | 1    |                  |                  | 2                |                  |                                   |
|-------------------------------------------------------------------------------------------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

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

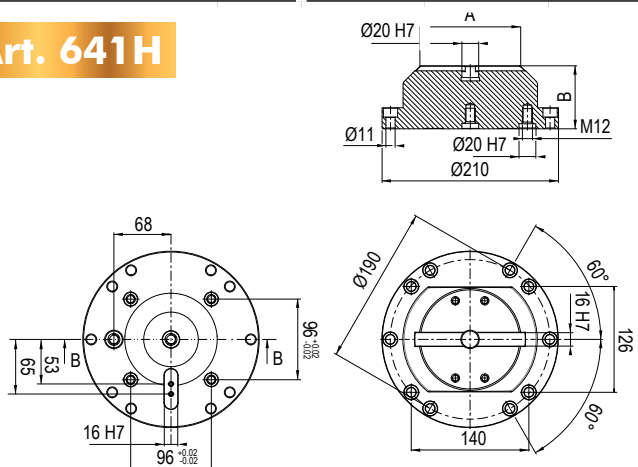
| Tipo (grandezza) rialzo / Riser type (size)                                                                                                            | 3 x 166 |                   |                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------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

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

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

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

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

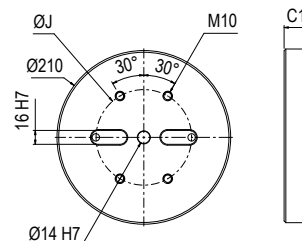
**1 e 2**
**Art. 641H**

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

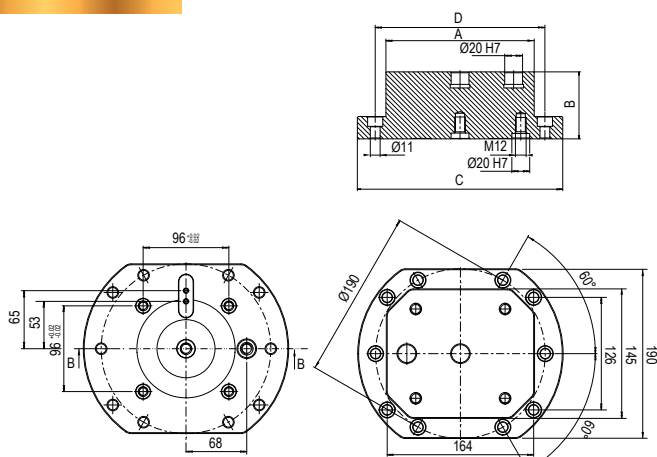
**1 e 2**
**Art. 62K**
**Multitasking**

Piastra di interfaccia lavorabile  
Machineable interface plate

|    |     |
|----|-----|
| ØJ | 190 |
| C1 | 28  |

Cod. 7.62.K641H21


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**
**Tipo (grandezza)**  
Riser (type) size

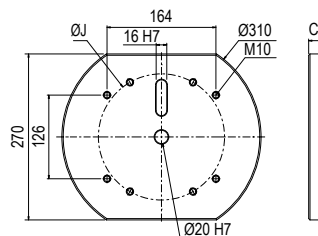
**3 x 166**
**Art. 641H**

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

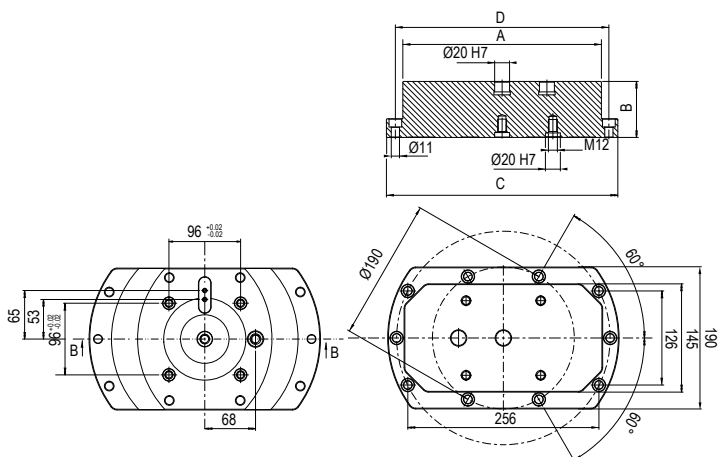
**3 x 166**
**Art. 62K**
**Multitasking**

Piastra di interfaccia lavorabile  
Machineable interface plate

|    |     |
|----|-----|
| ØJ | 190 |
| C1 | 28  |

Cod. 7.62.K641H31


Kit di fissaggio al rialzo **incluso** / Riser fixing and positioning kit **included**
**Tipo (grandezza)**  
Riser (type) size

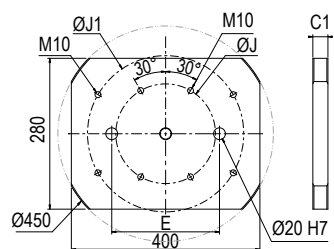
**3 x 266**
**Art. 641H**

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

**3 x 266**
**Art. 62K**
**Multitasking**

Piastra di interfaccia lavorabile  
Machineable interface plate

|    |     |
|----|-----|
| ØJ | 260 |
| C1 | 28  |

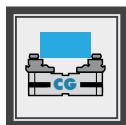
Cod. 7.62.K641H45


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

## MORSE COMPACT GRIP

### COMPACT GRIP VISES

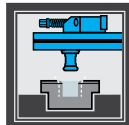
#### Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



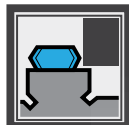
Morse Compact Grip  
Compact Grip vises



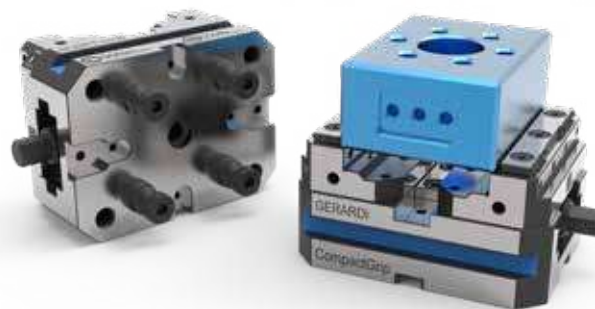
lavorazioni a 5 assi  
5 axis machining



Predisposizione  
Zero Point  
Zero Point ready



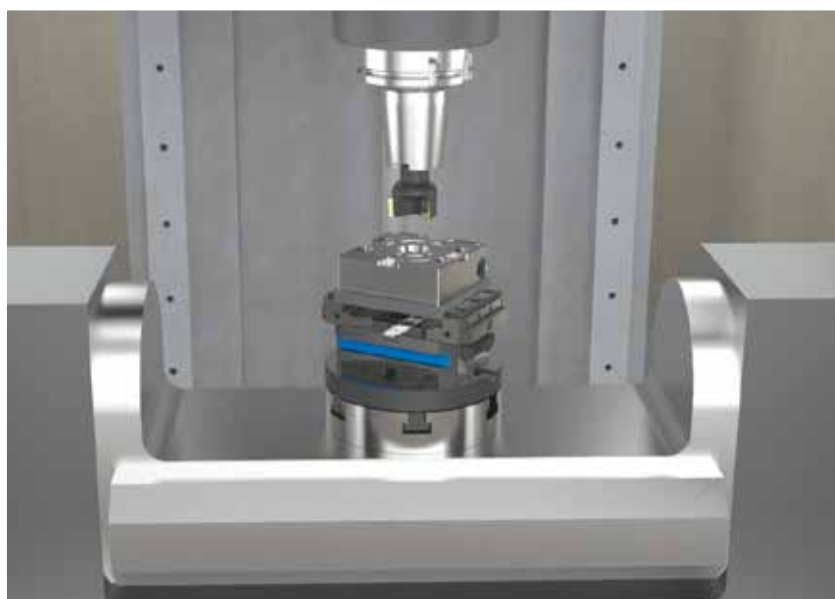
Inserti GRIP  
GRIP inserts



### Art.650 Compact Grip

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

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



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



Dettaglio Inserto Grip.  
Insert Grip detail.

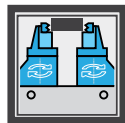


Tramite il gradino liscio della ganascia si rimuove il sovrametallo rimanente e si finisce il particolare.  
Then through the smooth jaw step you can remove the remaining stock allowance from the workpiece and finish the workpiece.

## MORSE FMS

### FMS VISES

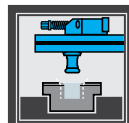
#### Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



Ganasce alte e rialzate  
High and raised jaws



lavorazioni a 5 assi  
5 axis machining



Predisposizione  
Zero Point  
Zero Point ready

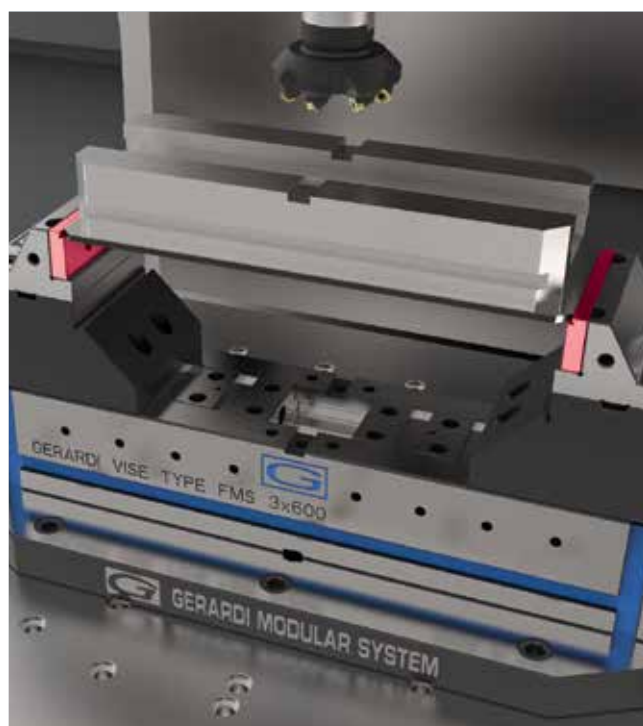
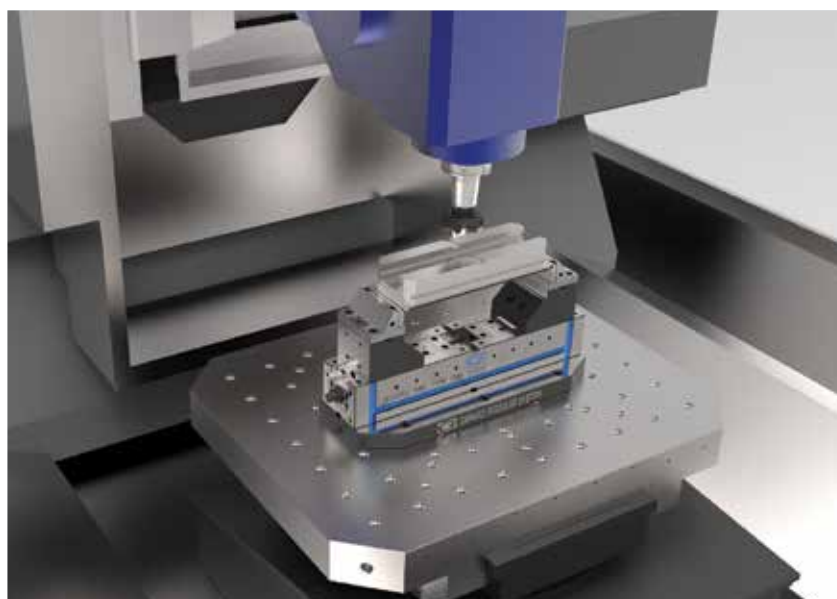
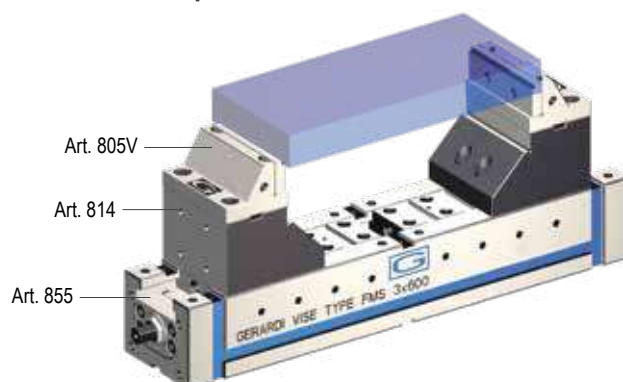
### Art.868 FMS series

Grazie all'estrema versatilità del sistema modulare Gerardi anche le morse FMS, adeguatamente riconfigurate, possono rientrare nella cosiddetta categoria di morse Multitasking per centri di lavoro a 5 assi.

Basterà quindi montare la base mobile Art.814 con le relative ganasce Art.805V sul modulo base universale Art.855.

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

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



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

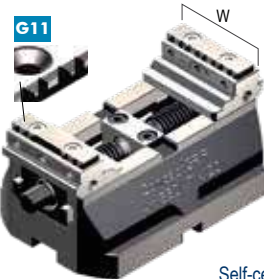


Dettaglio serraggio tramite piastrina GRIP Art.247T  
Detail of clamping by GRIP jaw plate Art.247T



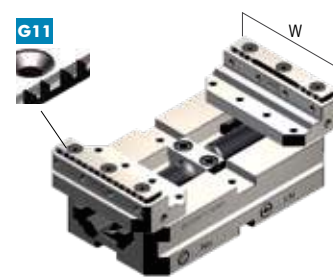
**Tipo (grandezza) morsa / Vise type (size)**
**kN**
**1**
**12 kN**
**2**
**22 kN**
**Art. 650**
*Tipo / Type 1x120*

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



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

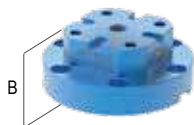
|      |            |            |            |
|------|------------|------------|------------|
| A    | 54         | 94         | 134        |
| W    | 50         | 50         | 50         |
| E    | 80         | 120        | 160        |
| kg   | 1,9        | 2,7        | 3,4        |
| Cod. | 7.65.01080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

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


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

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

Rialzo Semplice  
Simple Riser



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

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

Rialzo Semplice  
Simple Riser



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

Kit di fissaggio e allineamento morsa **incluso**

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

Tavola Quick change  
Quick change table



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

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

Tavola Quick change  
Quick change table



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

Vedi gamma completa Pag. 7.32 / 7.33

**Art. 650X**

Ganascia fissa intermedia  
Intermedie fixie jaw



|      |             |
|------|-------------|
| Cod. | 7.65.0X1000 |
|------|-------------|

**Art. 650X**

Ganascia fissa intermedia  
Intermedie fixie jaw



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

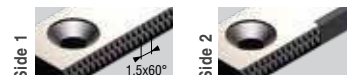
**Art. 650T G01**

Inserto ganascia  
Top jaw insert

GRIP (Passo - Pitch 1,5mm)



|      |                 |
|------|-----------------|
| Cod. | 7.65.0T1000/G01 |
|------|-----------------|

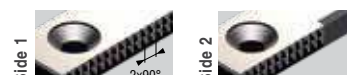

**Art. 650T G02**

Inserto ganascia  
Top jaw insert

GRIP (Passo - Pitch 2mm)



|      |                 |
|------|-----------------|
| Cod. | 7.65.0T1000/G02 |
|------|-----------------|

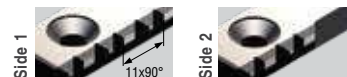

**Art. 650T G11**

Inserto ganascia  
Top jaw insert

GRIP (Passo - Pitch 11mm)

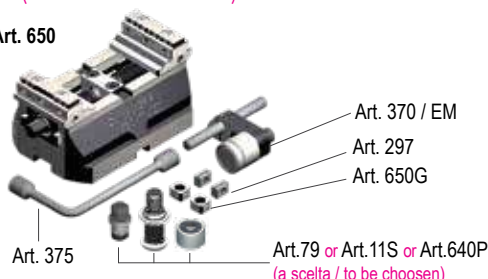


|      |                 |
|------|-----------------|
| Cod. | 7.65.0T1000/G11 |
|------|-----------------|



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\*
- 1 perno calibrato per centraggio e orientamento Art.79 oppure 1 tirante zero point Art.115 oppure 1 perno calibrato per centraggio Art.640P\*
- \* (Indicare dimensione in fase di ordine)

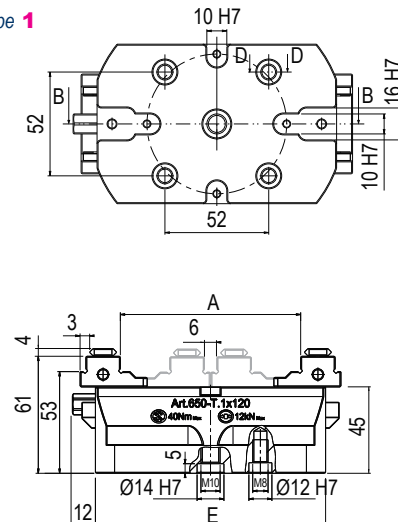
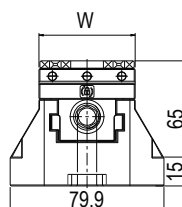
**Art. 650**


Standard equipment:

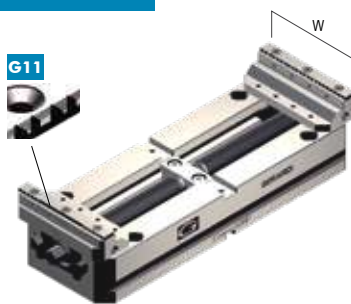
- 1 box wrench Art.375 ■ 1 workshop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
- 2 positioning key-nuts Art.650G\* ■ 1 calibrated centering and orientation pin Art.79 or 1 pull stud for zero point Art.115 or 1 calibrated centering pin Art.640P\*
- \* (Dimension to be advised at order)

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

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



| kN   | 2<br>22 kN |            |            |            | 3<br>32 kN                               |            |            |            |            |
|------|------------|------------|------------|------------|------------------------------------------|------------|------------|------------|------------|
| A    | 96         | 136        | 176        | 216        | <b>Art. 650</b> <i>Tipo / Type 3x310</i> |            |            |            |            |
| W    | 88         | 88         | 88         | 88         | 133                                      | 183        | 233        | 283        | 333        |
| E    | 120        | 160        | 200        | 240        | 123                                      | 123        | 123        | 123        | 123        |
| kg   | 3,6        | 4,4        | 5,2        | 5,8        | 160                                      | 210        | 260        | 310        | 360        |
| Cod. | 7.65.02120 | 7.65.02160 | 7.65.02200 | 7.65.02240 | 9,1                                      | 10,9       | 12,8       | 14,8       | 17         |
|      |            |            |            |            | 7.65.03160                               | 7.65.03210 | 7.65.03260 | 7.65.03310 | 7.65.03360 |



## UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

|      |                   |                   |                   |                   |                                       |                   |                   |                   |                   |
|------|-------------------|-------------------|-------------------|-------------------|---------------------------------------|-------------------|-------------------|-------------------|-------------------|
| B    | 100               |                   |                   |                   | <b>Art. 651H</b> <i>Tipo / Type 3</i> |                   |                   |                   |                   |
| Cod. | 7.65.1H2120 / 100 | 7.65.1H2160 / 100 | 7.65.1H2200 / 100 | 7.65.1H2240 / 100 | 100                                   |                   |                   |                   |                   |
|      |                   |                   |                   |                   | 7.65.1H3160 / 100                     | 7.65.1H3210 / 100 | 7.65.1H3260 / 100 | 7.65.1H3310 / 100 | 7.65.1H3360 / 100 |



Rialzo Semplice  
Simple Riser

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

Vise fixing and allignement kit **included**

|                 |                                               |  |  |  |            |  |  |  |  |
|-----------------|-----------------------------------------------|--|--|--|------------|--|--|--|--|
| <b>Art. 660</b> | <b>Art. 660</b> <i>Interasse / Type 96 mm</i> |  |  |  | 9.66.09600 |  |  |  |  |
| Cod.            | 9.66.05200                                    |  |  |  |            |  |  |  |  |



Tavola Quick change  
Quick change table

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

See the complete range Page 7.32 / 7.33

|                  |                                                   |  |  |  |             |  |  |  |  |
|------------------|---------------------------------------------------|--|--|--|-------------|--|--|--|--|
| <b>Art. 650X</b> | <b>Art. 650X</b> <i>Ganascia fissa intermedia</i> |  |  |  | 7.65.0X3000 |  |  |  |  |
| Cod.             | 7.65.0X2000                                       |  |  |  |             |  |  |  |  |



Ganascia fissa intermedia  
Intermedia fixie jaw

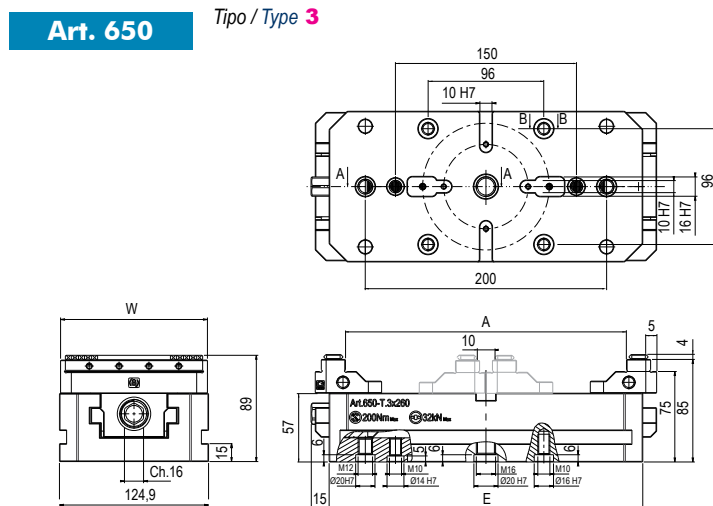
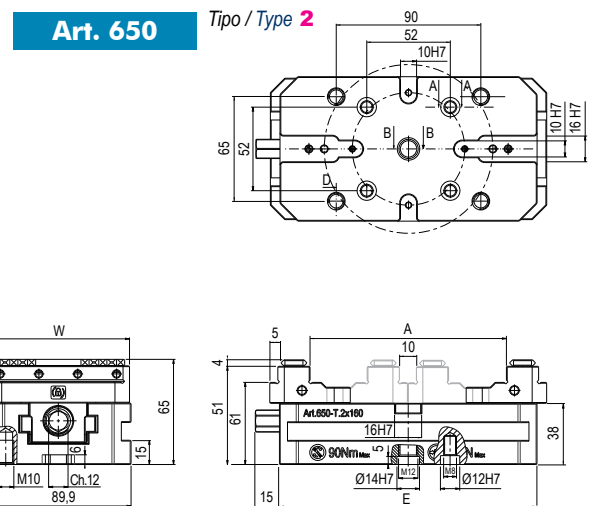
In fase d'ordine specificare il tipo di inserto, vedi pag. 7.27 / In case of order always specify the type of insert, see page 7.27

|                      |                                                               |  |  |  |                 |  |  |  |  |
|----------------------|---------------------------------------------------------------|--|--|--|-----------------|--|--|--|--|
| <b>Art. 650T G01</b> | <b>Art. 650T G01</b> <i>Per materiali di durezza normale</i>  |  |  |  | 7.65.0T3000/G01 |  |  |  |  |
| Cod.                 | 7.65.0T2000/G01                                               |  |  |  |                 |  |  |  |  |
|                      |                                                               |  |  |  |                 |  |  |  |  |
| <b>Art. 650T G02</b> | <b>Art. 650T G02</b> <i>Per materiali di notevole durezza</i> |  |  |  | 7.65.0T3000/G02 |  |  |  |  |
| Cod.                 | 7.65.0T2000/G02                                               |  |  |  |                 |  |  |  |  |
|                      |                                                               |  |  |  |                 |  |  |  |  |
| <b>Art. 650T G11</b> | <b>Art. 650T G11</b> <i>Per materiali teneri</i>              |  |  |  | 7.65.0T3000/G11 |  |  |  |  |
| Cod.                 | 7.65.0T2000/G11                                               |  |  |  |                 |  |  |  |  |
|                      |                                                               |  |  |  |                 |  |  |  |  |

Per materiali di durezza normale  
For standard workpieces hardness clamping

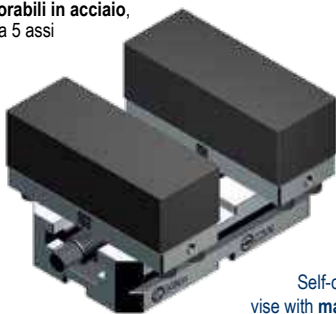
Per materiali di notevole durezza  
For hardened workpieces clamping

Per materiali teneri  
For soft material clamping



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

 Tipo / Type **2x160**

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

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

**kN**
**2**
**22 kN**

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

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

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

 Tipo / Type **2**

 Rialzo Semplice  
 Simple Riser

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

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

**Art. 660**

 Interasse / Type **52 mm**

 Tavola Quick change  
 Quick change table

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



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

**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 |
|------|-------------|

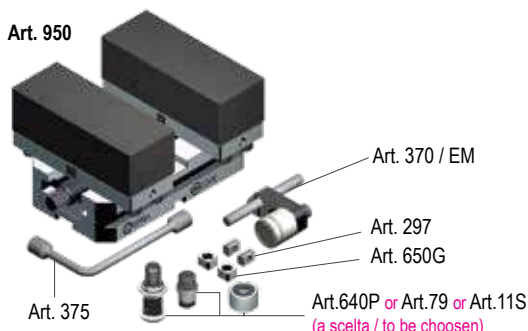
**Art. 950D**

 Ganasce lavorabile in acciaio  
 Machineable steel jaw


|      |            |
|------|------------|
| Cod. | 7.95.0D200 |
|------|------------|

Dotazione standard:

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

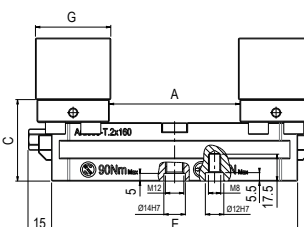
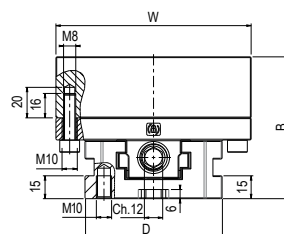
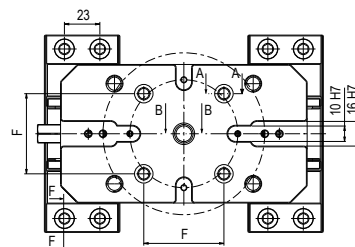
**Art. 950**


Standard equipment:

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

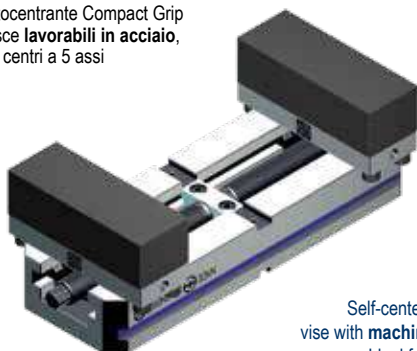
**Art. 950**

 Tipo / Type **2**

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


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

Tipo / Type **3x360**

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

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

|      | <b>3</b>     |            |            |            |            |
|------|--------------|------------|------------|------------|------------|
|      | <b>32 kN</b> |            |            |            |            |
| A    | 71           | 121        | 171        | 221        | 271        |
| W    |              |            | 160        |            |            |
| B    |              |            | 124        |            |            |
| C    |              |            | 57         |            |            |
| C1   |              |            | 77         |            |            |
| D    |              |            | 124,9      |            |            |
| E    | 160          | 210        | 260        | 310        | 360        |
| F    |              |            | 96         |            |            |
| G    |              |            | 59         |            |            |
| L    |              |            | Ø16        |            |            |
| L1   |              |            | M10        |            |            |
| kg   | 16.8         | 18.6       | 20.5       | 22.5       | 24.4       |
| Cod. | 7.95.03160   | 7.95.03210 | 7.95.03260 | 7.95.03310 | 7.95.03360 |

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

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

Tipo / Type **3**

Rialzo Semplice  
Simple Riser


|      |                   |                   |                   |                   |                   |
|------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 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 allineamento morsa **incluso** - Vise fixing and alignment kit **included**
**Art. 660**

Interasse / Type **96 mm**

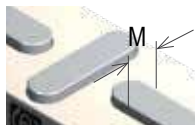
Tavola Quick change  
Quick change table

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



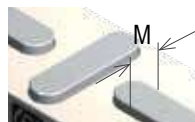
|      |            |  |  |  |  |
|------|------------|--|--|--|--|
| Cod. | 9.66.09600 |  |  |  |  |
|------|------------|--|--|--|--|

**Art. 950B**

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


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

**Art. 950C**

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


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

**Art. 950D**

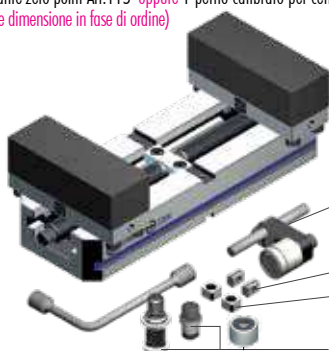
Ganasce lavorabile in acciaio  
Machineable steel jaw


|      |            |  |  |  |  |
|------|------------|--|--|--|--|
| Cod. | 7.95.0D300 |  |  |  |  |
|------|------------|--|--|--|--|

Dotazione standard:

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

\* (Indicare dimensione in fase di ordine)

**Art. 950**


Art. 370 / EM

Art. 297

Art. 650G

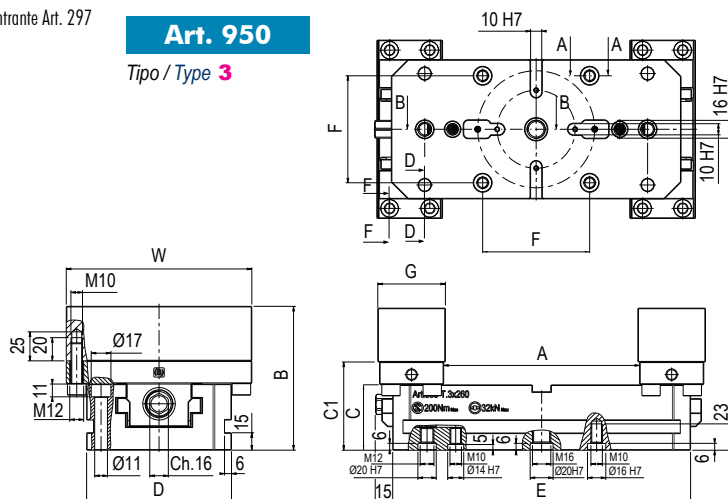
Art.640P or Art.79 or Art.11S  
(a scelta / to be chosen)

Standard equipment:

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

\* (Dimension to be advised at order)

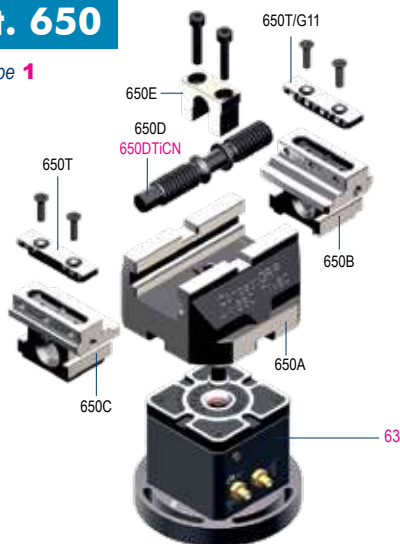
**Art. 950**

Tipo / Type **3**




## Art. 650

Tipo / Type 1

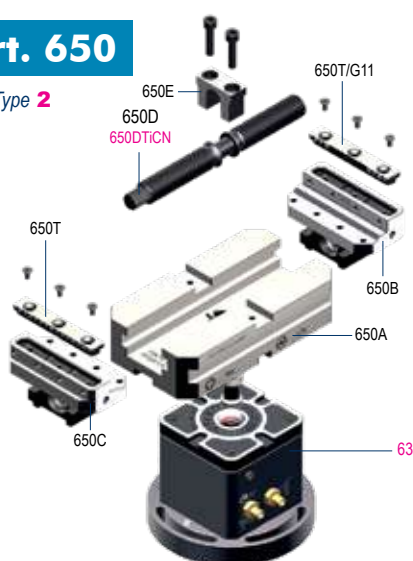


| Tipo / Type 1                                                                                                                            |      | 1x80             | 1x120            | 1x160            |
|------------------------------------------------------------------------------------------------------------------------------------------|------|------------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

| Tipo / Type                                            |      | 1          | 2          |
|--------------------------------------------------------|------|------------|------------|
| <b>Art. 63</b> (Optional)                              | Cod. | 9.63.10000 | 9.63.20000 |
| Rialzo singolo con Zero Point<br>Risers with ZeroPoint |      |            |            |

## Art. 650

Tipo / Type 2

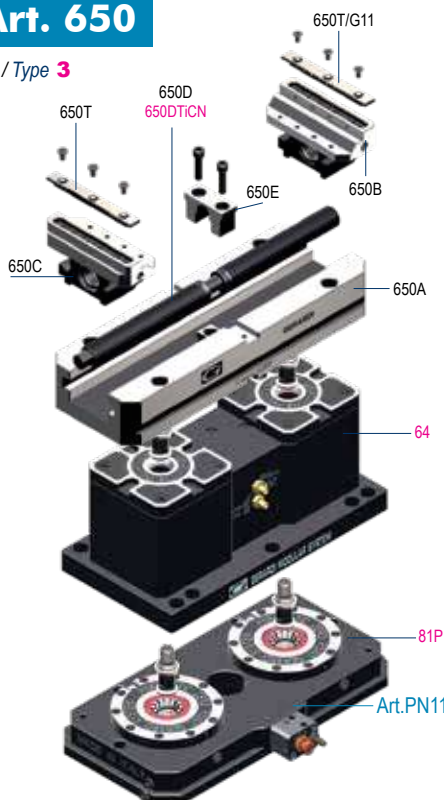


| Tipo / Type 2                                                                                                                            |      | 2x120            | 2x160            | 2x200            | 2x240            |
|------------------------------------------------------------------------------------------------------------------------------------------|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

| Tipo / Type                                            |      | 1          | 2          |
|--------------------------------------------------------|------|------------|------------|
| <b>Art. 63</b> (Optional)                              | Cod. | 9.63.10000 | 9.63.20000 |
| Rialzo singolo con Zero Point<br>Risers with ZeroPoint |      |            |            |

## Art. 650

Tipo / Type 3



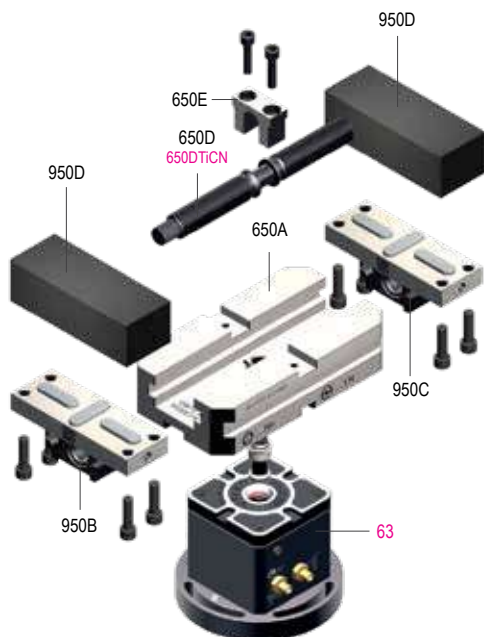
| Tipo / Type 3                                                                                                                            |      | 3x160            | 3x210            | 3x260            | 3x310            | 3x360            |
|------------------------------------------------------------------------------------------------------------------------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

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

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

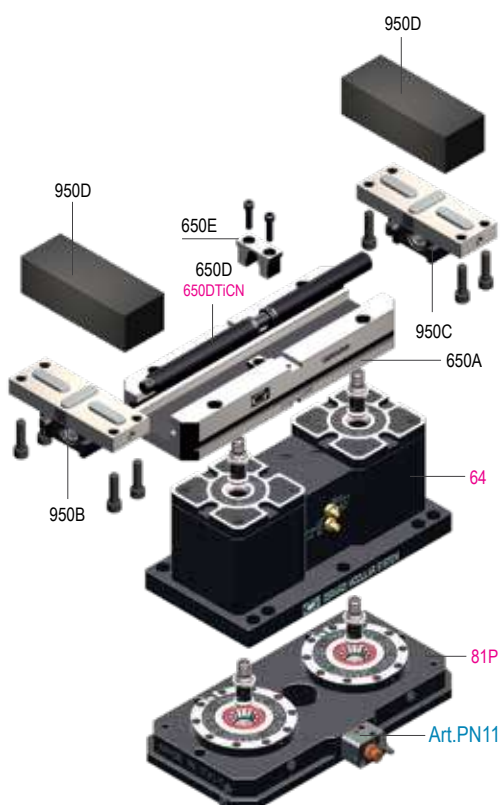
|                                                                                                 |      |                  |                       |
|-------------------------------------------------------------------------------------------------|------|------------------|-----------------------|
| <b>Art. 81P</b> (Optional)                                                                      |      | Acciaio<br>Steel | Alluminio<br>Aluminum |
| Piastra di interfaccia Zero Point<br>per morse CompactGrip tipo 3                               |      |                  |                       |
| Zero Point connecting plate<br>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               |
|------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------|---------------------|---------------------|---------------------|
| <b>Art. 650A</b>                                                                                                                         | Cod. | 7.65.0A2120         | 7.65.0A2160         | 7.65.0A2200         | 7.65.0A2240         |
| Corpo base - Base body                                                                                                                   |      |                     |                     |                     |                     |
| <b>Art. 950B</b>                                                                                                                         | Cod. | 7.95.0B2000         |                     |                     |                     |
| Ganascia integrale destra<br>Solid jaw right hand                                                                                        |      |                     |                     |                     |                     |
| <b>Art. 950C</b>                                                                                                                         | Cod. | 7.95.0C2000         |                     |                     |                     |
| Ganascia integrale sinistra<br>Solid jaw left hand                                                                                       |      |                     |                     |                     |                     |
| <b>Art. 650D</b>                                                                                                                         | Cod. | 7.65.0D2120         | 7.65.0D2160         | 7.65.0D2200         | 7.65.0D2240         |
| Vite di bloccaggio - Main screw                                                                                                          |      |                     |                     |                     |                     |
| <b>Art. 650DTiCN</b> (Optional)                                                                                                          | Cod. | 7.65.0D2120<br>-TCN | 7.65.0D2160<br>-TCN | 7.65.0D2200<br>-TCN | 7.65.0D2240<br>-TCN |
| Vite di bloccaggio a scorrimento rapido<br>con rivestimento anti-usura TiCN<br>Quick-slide clamping screw with anti-wear<br>coating TiCN |      |                     |                     |                     |                     |
| <b>Art. 650E</b>                                                                                                                         | Cod. | 7.65.0E2000         |                     |                     |                     |
| Forcella - Yoke                                                                                                                          |      |                     |                     |                     |                     |
| <b>Art. 950D</b>                                                                                                                         | Cod. | 7.95.0D2000         |                     |                     |                     |
| Ganascia lavorabile in acciaio<br>Machineable steel jaw                                                                                  |      |                     |                     |                     |                     |
| Tipo / Type                                                                                                                              |      | 1                   | 2                   |                     |                     |
| <b>Art. 63</b> (Optional)                                                                                                                | Cod. | 9.63.10000          | 9.63.20000          |                     |                     |
| Rialzo singolo con Zero Point<br>Risers with ZeroPoint                                                                                   |      |                     |                     |                     |                     |

## Art. 950

Tipo / Type **3**


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

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

| Piastra ZeroPoint, montaggio incassato - ZeroPoint Plates, built-in mounting                                                    |  |                  |                       |              |
|---------------------------------------------------------------------------------------------------------------------------------|--|------------------|-----------------------|--------------|
| Art. 81P (Optional)                                                                                                             |  | Acciaio<br>Steel | Alluminio<br>Aluminum |              |
| Piastra di interfaccia Zero Point<br>per morse CompactGrip tipo 3<br>Zero Point connecting plate<br>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                                 |  |                  |                       |              |

# **GANASCE E INSERTI GANASCE PER MORSE COMPACT GRIP Art.650**

## **JAWS & INSERT JAWS FOR COMPACT GRIP VISES Art.650**

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

## **PIASTRINA FRONTALE** **FRONTAL JAW PLATE**

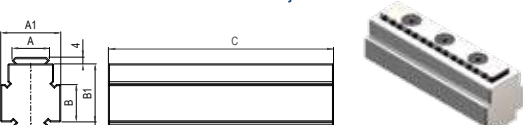
**NEW**

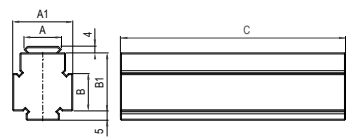
| Tipo (grandezza) / Type (size) |                                                                                                                                                          | 1 | 2                                                                | 3                                      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

# GANASCIA FISSA CENTRALE PER MORSE COMPACT GRIP Art.650

## CENTRAL FIXED JAW FOR COMPACT GRIP VISES Art.650

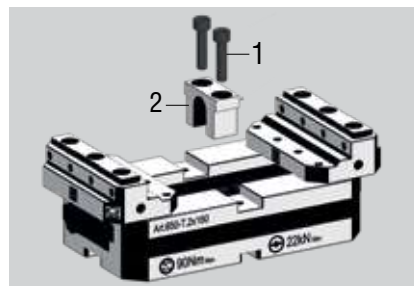
**NEW  
2021**

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



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

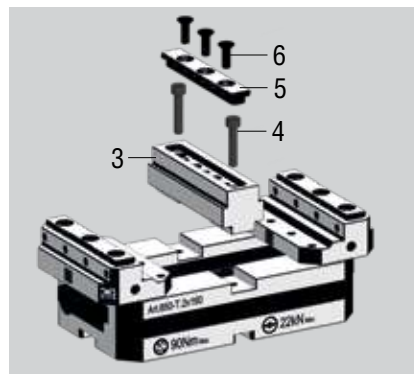
In fase d'ordine specificare il tipo di inserto - In case of order always specify the type of insert


**1**

## ISTRUZIONI OPERATIVE DI MONTAGGIO

### ASSEMBLY INSTRUCTIONS

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


**2**

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



## INSERTI GANASCE PER GANASCIA FISSA CENTRALE

### INSERT JAWS FOR CENTRAL FIXED JAW

**NEW**
**7**

| Tipo (grandezza) / Type (size) |                                                                                                                                            | 1 | 2 | 3 |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|
|                                | <b>Art. 650V</b><br><b>LISCE - SMOOTH</b><br>Materiali teneri e lavorazioni finali<br>Soft material clamping and final machining           |   |   |   |
|                                |                                                                                                                                            |   |   |   |
|                                | <b>Art. 650Y</b><br><b>RUVIDE - ROUGH</b><br>Miglior presa pezzo<br>Best workpiece clamping                                                |   |   |   |
|                                |                                                                                                                                            |   |   |   |
|                                | <b>Art. 650U G01</b><br><b>GRIP (Passo - Pitch 1,5mm)</b><br>Per materiali di durezza normale<br>For standard workpieces hardness clamping |   |   |   |
|                                |                                                                                                                                            |   |   |   |
|                                | <b>Art. 650U G02</b><br><b>GRIP (Passo - Pitch 2mm)</b><br>Per materiali di notevole durezza<br>For hardened workpieces clamping           |   |   |   |
|                                |                                                                                                                                            |   |   |   |
|                                | <b>Art. 650U G11</b><br><b>GRIP (Passo - Pitch 11mm)</b><br>Per materiali teneri<br>For soft material clamping                             |   |   |   |
|                                |                                                                                                                                            |   |   |   |



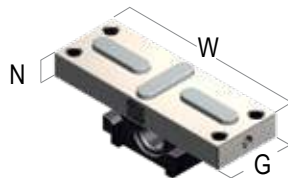
# ACCESSORI PER MORSE COMPACT GRIP Art.950

## Art.950 COMPACT GRIP VISES ACCESSORIES

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

### Art. 950B

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



|      |             |             |
|------|-------------|-------------|
| N    | 15          | 20          |
| Cod. | 7.95.0B2000 | 7.95.0B3000 |

### Art. 950C

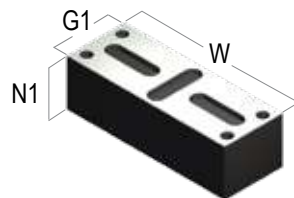
Slitta **SINISTRA** con chiavette  
 Solid hardened slide **LEFT HAND**  
 with positioning key nuts



|      |             |             |
|------|-------------|-------------|
| N    | 15          | 20          |
| Cod. | 7.95.0C2000 | 7.95.0C3000 |

### Art. 950D\*

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

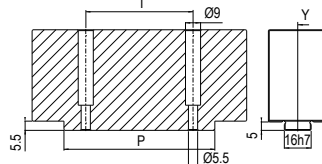
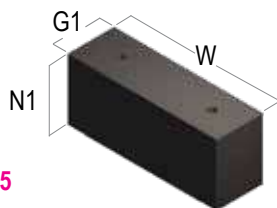


|      |             |             |
|------|-------------|-------------|
| N1   | 30          | 47          |
| Cod. | 7.95.0D2000 | 7.95.0D3000 |

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

### Art. 950X\*

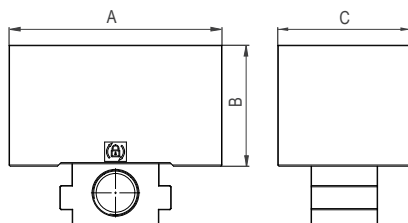
Ganascia fissa intermedia  
 lavorabile in acciaio  
 Intermediate machineable  
 steel fixed jaw



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

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

### Tipo (grandezza) / Type (size)



|   | 1  | 2  | 3   |
|---|----|----|-----|
| A | 50 | 88 | 123 |
| B | 30 | 50 | 70  |
| C | 50 | 55 | 60  |

### Art. 650BM

Ganascia lavorabile  
 filetto destro  
 Soft machineable jaw  
 right thread



Cod. 7.65.0BM10 7.65.0BM20



7.65.0BM30

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

### Art. 650CM

Ganascia lavorabile  
 filetto sinistro  
 Soft machineable jaw  
 left thread



Cod. 7.65.0CM10 7.65.0CM20



7.65.0CM30

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



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

**NEW  
2021**

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

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

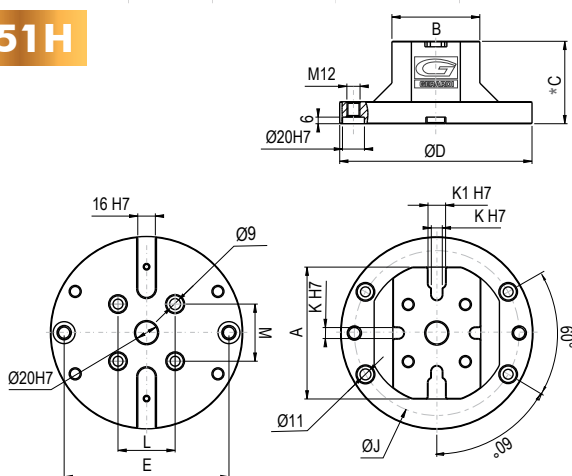
| Tipo (grandezza) rialzo<br>Riser (type) size                               |               | 2                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|----------------------------------------------------------------------------|---------------|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>Art. 651H</b><br>Rialzo semplice, compatibile con il sistema Zero Point | Tipo / Type 2 | A                                | 120              |                  | 160              |                  | 200              |                  | 240              |                  |                  |                  |                  |
|                                                                            |               | B                                | 90               |                  | 90               |                  | 90               |                  | 90               |                  |                  |                  |                  |
|                                                                            |               | * C                              | 50               | 75               | 100              | 50               | 75               | 100              | 50               | 75               | 100              | 50               | 75               |
|                                                                            |               | 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             |
|                                                                            |               | 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 |
|                                                                            |               | Simple riser<br>Zero Point ready |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

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

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

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

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

**1**
**Art. 651H**

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

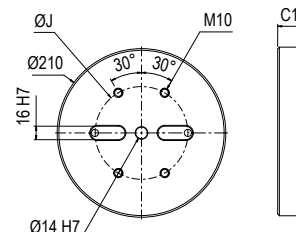
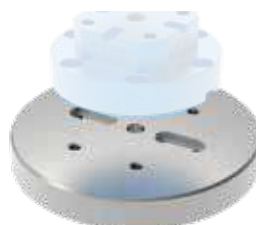
**1**
**Art. 62K**
**CompactGrip**

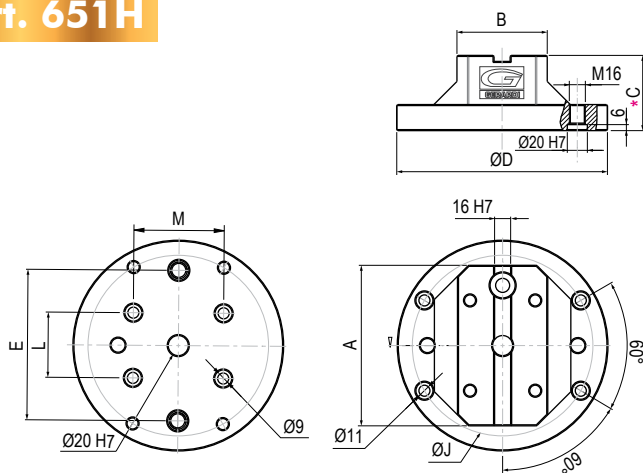
Piastra di interfaccia lavorabile  
Machineable interface plate

|    |     |     |     |
|----|-----|-----|-----|
| ØJ | 110 | 150 | 150 |
| C1 |     | 28  |     |

Cod. 7.62.K651H21...

.../108 .../112 .../116


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

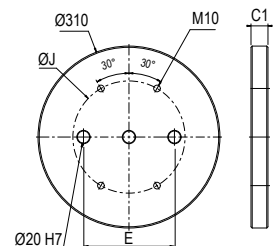
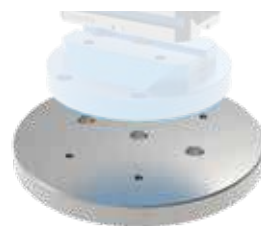
**2**
**Art. 62K**
**CompactGrip**

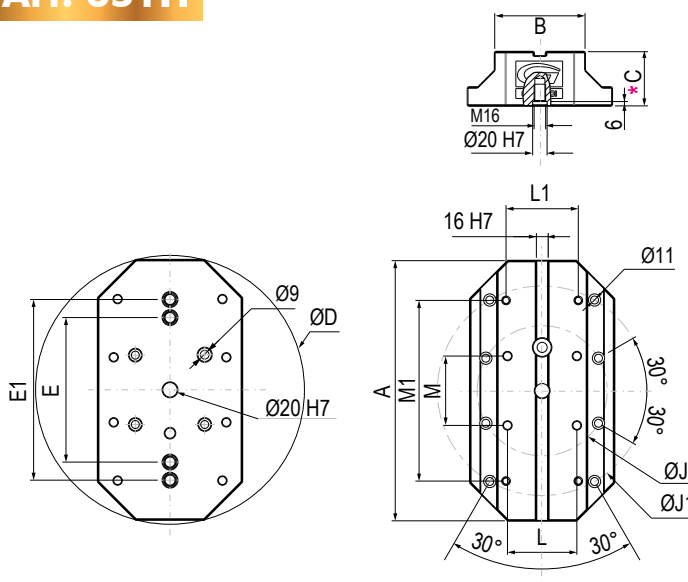
Piastra di interfaccia lavorabile  
Machineable interface plate

|    |   |     |     |     |
|----|---|-----|-----|-----|
| ØJ |   | 185 |     |     |
| C1 |   | 28  |     |     |
| E  | - | 150 | 150 | 200 |

Cod. 7.62.K651H31/

.../212 .../216 .../220 .../224


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

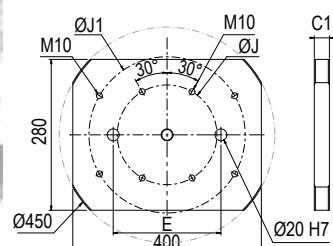
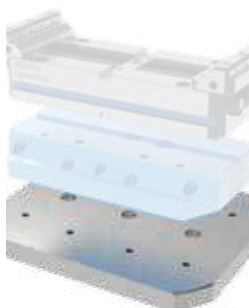
**3**
**Art. 62K**
**CompactGrip**

Piastra di interfaccia lavorabile  
Machineable interface plate

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

Cod. 7.62.K651H45/

.../316 .../321 .../326 .../331 .../336


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



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


**NEW**
**Per Morse Tipo - For Vises Type**
**INTERASSE - PITCH**
**1 - 2**
**52**
**3**
**96**
**Art. 660**

 Tavola Cambio rapido  
 meccanica  
 rettangolare

 Mechanical  
 quick change  
 rectangular table

|      |            |            |
|------|------------|------------|
| A    | 100        | 150        |
| B    | 50         | 50         |
| B1   | -          | 100        |
| C    | 27         | 27         |
| D    | 116        | 156        |
| E    | 150        | 190        |
| F    | 52         | 96         |
| L    | Ø12 h7     | Ø16 h7     |
| L1   | M8         | M10        |
| kg   | 3          | 5,2        |
| Cod. | 9.66.05200 | 9.66.09600 |

**\*NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - \*NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**
**Per Morse Tipo - For Vises Type**
**INTERASSE - PITCH**
**1 - 2**
**52**
**3**
**96**
**Art. 660S\***

 Tavola Cambio rapido  
 meccanica  
 rettangolare temprata  
 con parte lavorabile  
 senza fori

 Mechanical  
 quick change  
 hardened with  
 machineable  
 part holes free  
 rectangular table

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

Personalizzazione esclusa - Customization not included

**\*NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - \*NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**
**Per Morse Tipo - For Vises Type**
**INTERASSE - PITCH**
**1 - 2 - 3**
**52**
**Art. 660R**

 Tavola  
 Cambio rapido  
 meccanica  
 rettangolare  
 di riduzione

 Mechanical  
 quick change  
 rectangular  
 reduction table

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

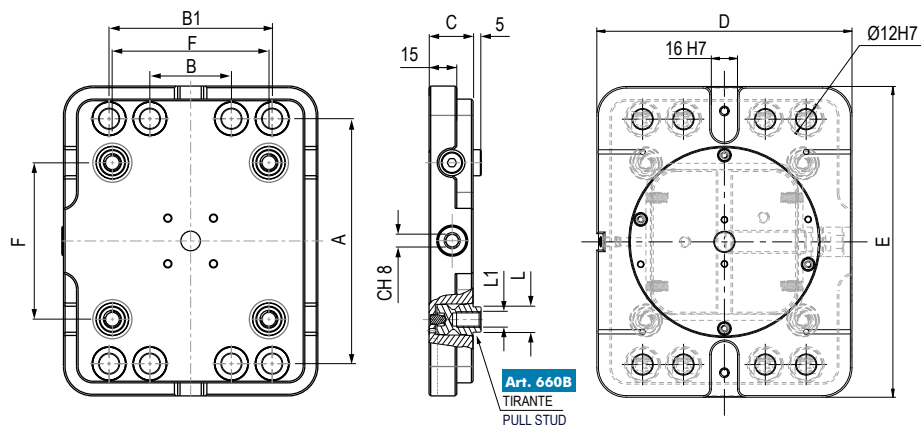
**\*NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - \*NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET**

# TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP

## QUICK CHANGE TABLE FOR COMPACT GRIP VICES

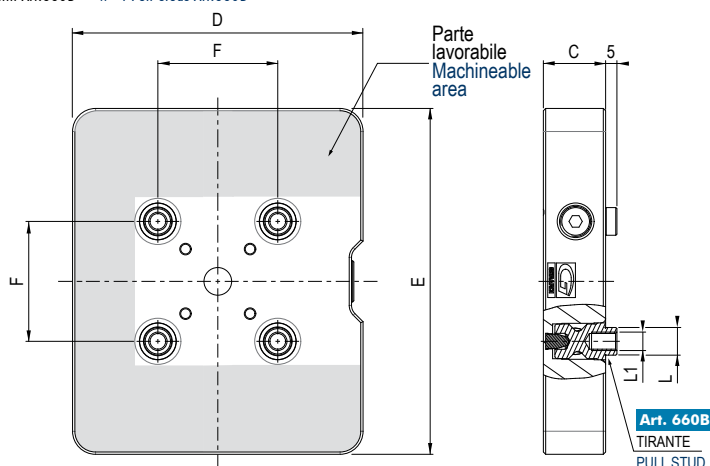
### Art. 660

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



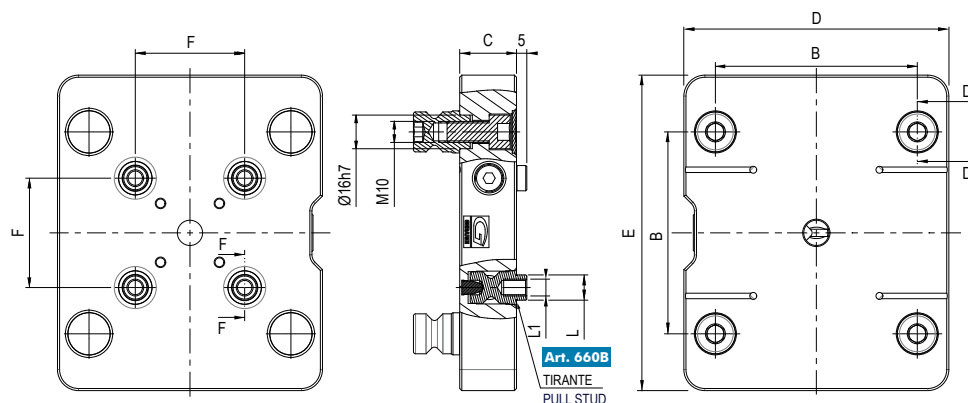
### Art. 660S

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



### Art. 660R

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


**NEW**

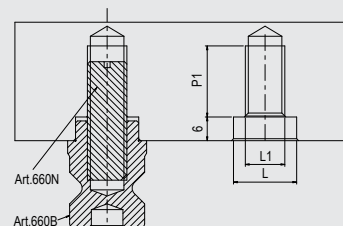
### Art. 660B

Tiranti per tavola cambio rapido  
Quick change table pull studs

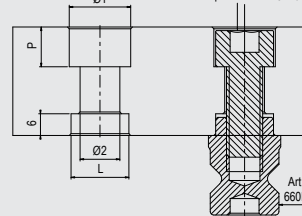


Tipo - Type 1

Tipo - Type 2



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



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



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


**NEW**

| Per Morse Tipo - For Vises Type | 1 - 2 |            | 3          |
|---------------------------------|-------|------------|------------|
| INTERASSE - PITCH               | 52    |            | 96         |
| <b>Art. 661</b>                 | ØA    | 158        | 196        |
|                                 | ØB    | 120        | 175        |
|                                 | C     | 27         | 27         |
|                                 | F     | 52         | 96         |
|                                 | L     | Ø12h7      | Ø16h7      |
|                                 | L1    | M8         | M10        |
|                                 | kg    | 3,4        | -          |
|                                 | Cod.  | 9.66.15200 | 9.66.19600 |

**Art. 661**

Tavola Cambio rapido meccanica tonda



Mechanical quick change rounded table

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

| Per Morse Tipo - For Vises Type | 1 - 2 |            | 3          |
|---------------------------------|-------|------------|------------|
| INTERASSE - PITCH               | 52    |            | 96         |
| <b>Art. 661S*</b>               | A     | 158        | 196        |
|                                 | C     | 27         | 27         |
|                                 | F     | 52         | 96         |
|                                 | L     | Ø12h7      | Ø16h7      |
|                                 | L1    | M8         | M10        |
|                                 | kg    | 3,8        | -          |
|                                 | Cod.  | 9.66.1S520 | 9.66.1S960 |

Tavola Cambio rapido meccanica tonda temprata con parte lavorabile senza fori



Round mechanical quick change hardened with machineable part holes free table

Personalizzazione esclusa - Customization not included

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

| Per Morse Tipo - For Vises Type | 1 - 2 - 3 |            |
|---------------------------------|-----------|------------|
| INTERASSE - PITCH               | 52 - 96   |            |
| <b>Art. 661R</b>                | ØA        | 158        |
|                                 | B         | 96         |
|                                 | C         | 27         |
|                                 | F         | 52         |
|                                 | L         | Ø12h7      |
|                                 | L1        | M8         |
|                                 | kg        | 3,75       |
|                                 | Cod.      | 9.66.1R210 |

Tavola Cambio rapido meccanica tonda di riduzione



Round mechanical quick change reduction table

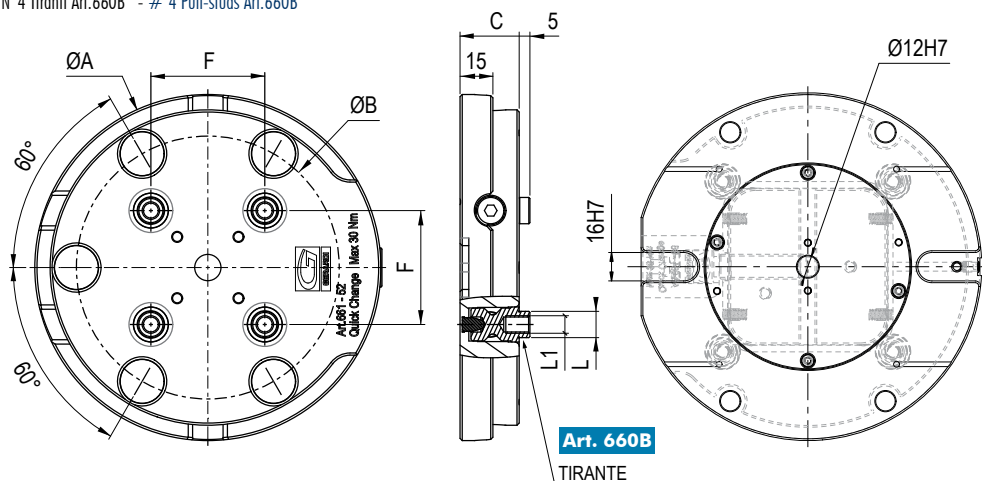
\*NON DISPONIBILE PER IL MERCATO TEDESCO E AUSTRIACO - \*NOT AVAILABLE FOR GERMAN AND AUSTRIAN MARKET

# TAVOLA CAMBIO RAPIDO PER MORSE COMPACT GRIP

## QUICK CHANGE TABLE FOR COMPACT GRIP VICES

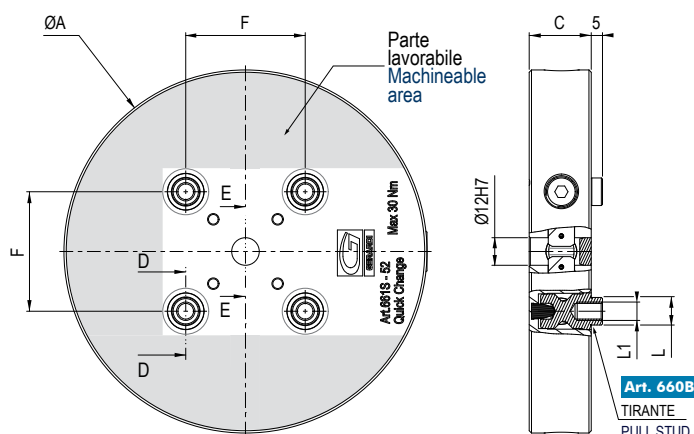
### Art. 661

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



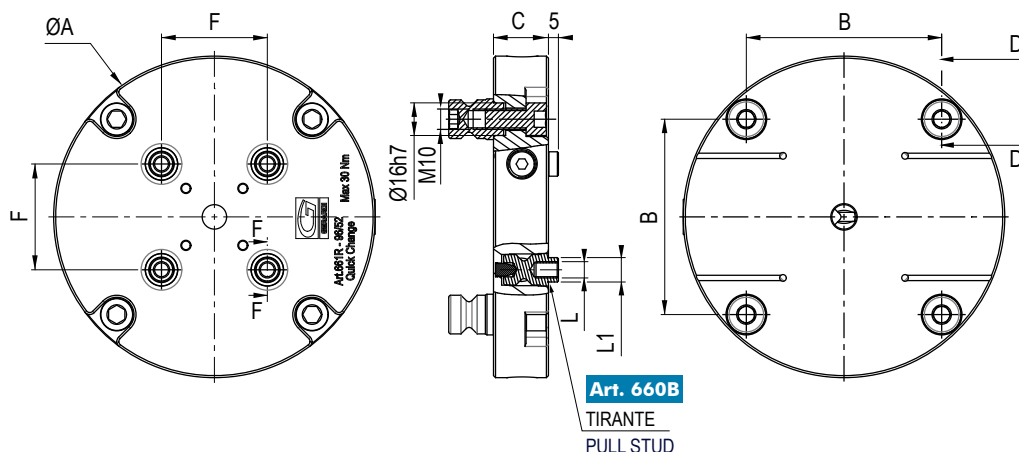
### Art. 661S

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



### Art. 661R

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


**NEW**

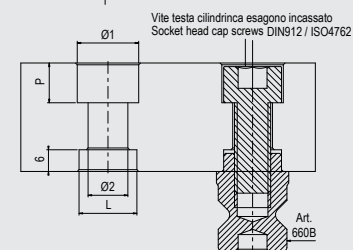
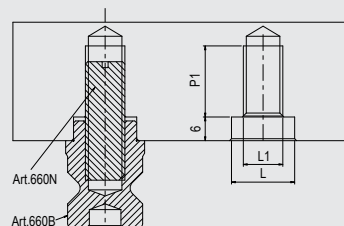
### Art. 660B

Tiranti per tavola cambio rapido  
Quick change table pull studs



Tipo - Type 1

Tipo - Type 2



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





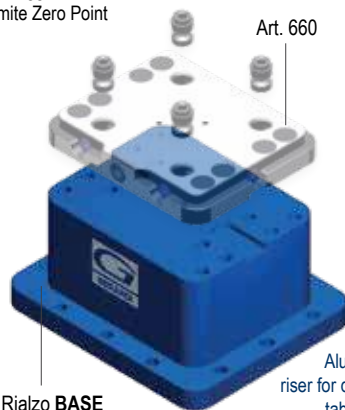
# RIALZI SEMPLICI IN ALLUMINIO PER TAVOLA A CAMBIO RAPIDO SIMPLE ALUMINUM RISERS for QUICK CHANGE TABLE

**NEW  
2021**

Per Morse Tipo - For Vises Type  
**INTERASSE - PITCH**

## Art. 661H

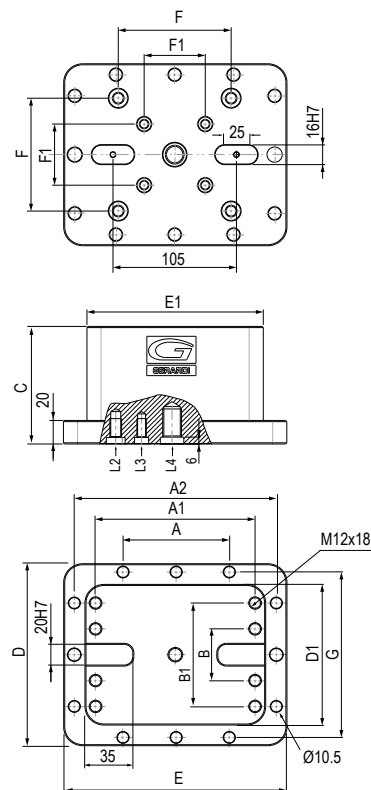
Rialzo base in alluminio per tavola cambio rapido, possibilità di montaggio con staffe o tramite Zero Point



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

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

|      | 1 - 2<br>52    | 3<br>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. | 9.66.1H520/100 | 9.66.1H960/100 |



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

Per Morse Tipo - For Vises Type  
**INTERASSE - PITCH**

## Art. 661HQ

Rialzo semplice in alluminio per tavola cambio rapido

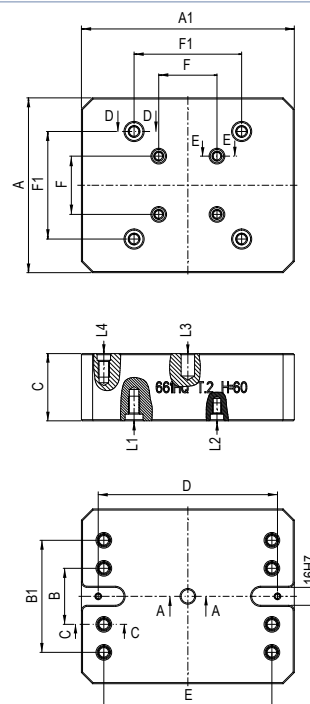
Rialzo **TOP**  
 TOP riser  
 Art. 661HQ



Art. 660

Simple aluminum riser for quick change table

|      | 1 - 2<br>52                   | 3<br>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 |



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

**Tipo - Type**

## Art. 660B

Tiranti per tavola cambio rapido



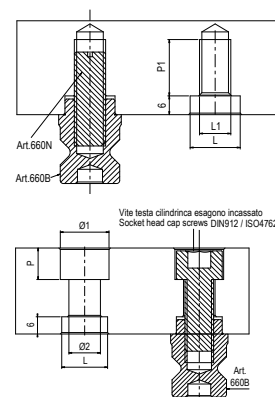
Tipo - Type 1

Tipo - Type 2

**NEW**

Quick change table pull studs

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



# SUPPORTO PIRAMIDALE PER MULTITASKING & COMPACT GRIP

## PYRAMIDAL SUPPORT FOR MULTITASKING & COMPACT GRIP

**NEW  
2021**
**Tipo (grandezza) / Type (size)**
**PIANO INCLINATO - GRADE SIDE**
**1**
**30°**
**Ideali per Centri a 4 Assi**
**Ideal for 4th Axis Centres**

### Art. 643H

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

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



Dotazione standard

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

Standard equipment:

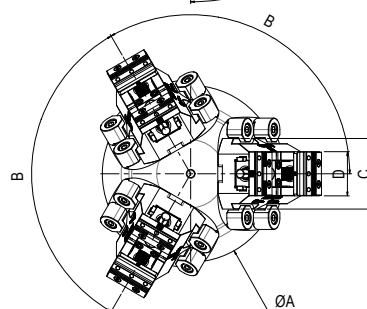
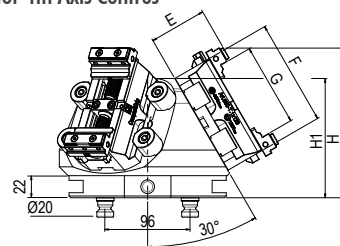
- 1 Eyebolt ■ 12 Vise holding clamps Art.298 CGR with M8 screws
- 4 pull studs Art.660B T2

Multitasking

Compact Grip

**Art.650 T.1x80/120**

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


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

### Art. 643H

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

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



Dotazione standard

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

Standard equipment:

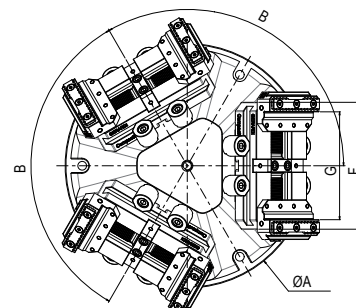
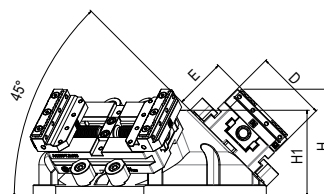
- 1 Eyebolt ■ 12 Vise holding clamps Art.298 CGR with M8 screws
- 1 Centering pin ■ Pair ok keynuts Art.287

Multitasking

Compact Grip

**Art.640 - T.1**
**Art.650 T.2x120/160/200 - Art.950 T.2x120/160/200**

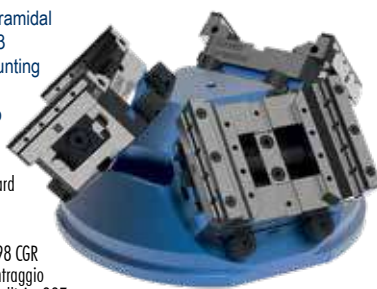
|      |            |
|------|------------|
| ØA   | 308        |
| B    | 120°       |
| C    | -          |
| D    | 90         |
| E    | 65         |
| F    | 160        |
| G    | 136        |
| H    | 135,5      |
| H1   | 109        |
| kg   | 11,9       |
| Cod. | 7.64.3H200 |


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

### Art. 643H

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

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



Dotazione standard

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

Standard equipment:

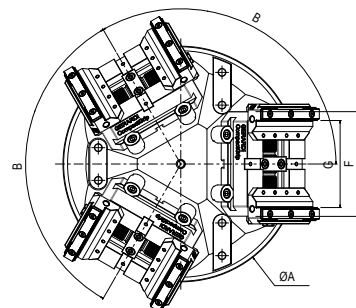
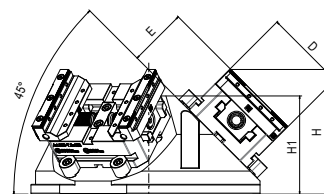
- 1 Eyebolt ■ 12 Vise holding clamps Art.298 CGR with M8 screws
- 1 Centering pin ■ Pair ok keynuts Art.287

Multitasking

Compact Grip

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

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



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

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

## PIASTRE BASE ZERO POINT TONDE

### ZERO POINT ROUNDED HEAD PLATES

#### MONTAGGIO CON FLANGIA

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

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

#### MONTAGGIO INCASSATO

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

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

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

| Tipo (grandezza) Zero-Point<br>Zero-Point type (size)                                                                                                                                                                                                       | kN | 2<br>up to 14 kN |                |                |                |                |                |                |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                                                                                                                                                                                                                                                             |    | Steel            | Aluminum       | Steel          | Aluminum       | Steel          | Aluminum       | Steel          | Aluminum       |
| <b>Art. 62iC</b>                                                                                                                                                                                                                                            |    |                  |                |                |                |                |                |                |                |
| <b>Art. 62iE</b>                                                                                                                                                                                                                                            |    |                  |                |                |                |                |                |                |                |
|                                                                                                                                                                                                                                                             |    |                  |                |                |                |                |                |                |                |
| ØA                                                                                                                                                                                                                                                          |    | 400              |                | 500            |                | 630            |                | 800            |                |
| B                                                                                                                                                                                                                                                           |    | -                |                | 400            |                | 500            |                | 630            |                |
| C                                                                                                                                                                                                                                                           |    | 38               |                | 38             |                | 38             |                | 38             |                |
| P                                                                                                                                                                                                                                                           |    | 200              |                | 250            |                | 300            |                | 300            |                |
| kg                                                                                                                                                                                                                                                          |    | 41               | 15             | 59             | 21             | 92             | 33             | 149            | 54             |
| Art.62iC Cod.                                                                                                                                                                                                                                               |    | 9.62. IC4032S4   | 9.62. IC4032A4 | 9.62. IC4050S4 | 9.62. IC4060A4 | 9.62. IC4070S4 | 9.62. IC4070A4 | 9.62. IC4080S4 | 9.62. IC4080A4 |
| Art.62iE Cod.                                                                                                                                                                                                                                               |    | 9.62. IE4032S4   | 9.62. IE4032A4 | 9.62. IE4050S4 | 9.62. IE4060A4 | 9.62. IE4070S4 | 9.62. IE4070A4 | 9.62. IE4080S4 | 9.62. IE4080A4 |
| Piastra base tonda liscia (Art.62iC) o a reticolo (Art.62iE) con tiranti femmina Art.10A - 10B per cambio rapido Zero Point<br>Smooth round interfaced plate (Art.62iC) or grid (Art.62iE) with female pull-studs Art.10A - 10B for ZERO POINT quick change |    |                  |                |                |                |                |                |                |                |

**FLANGE MOUNTING**
**2**  
**up to 14 kN**

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

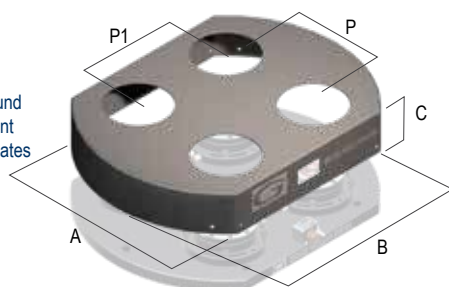
**BUILT-IN MOUNTING**
**2**  
**up to 14 kN**

| 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.<br>P6350S4 | 9.82.<br>P6350A4 | 9.82.<br>P6350S4 | 9.82.<br>P6350A4 | 9.82.<br>P6350S4 | 9.82.<br>P6350A4 | 9.82.<br>P7050S4 | 9.82.<br>P7050A4 | 9.82.<br>P7956S6 | 9.82.<br>P7956A6 | 9.82.<br>P1056S8 | 9.82.<br>P1056A8 | 9.82.<br>P9063S6 | 9.82.<br>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          | 800          |
| B    | -            | 400          | 500          | 630          |
| 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.CP80634 |





|    | 3<br>30 kN |     |     | 4<br>30 kN |     |     |     | 5<br>32 kN |     |     | 6<br>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

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

### Art. 802 Moltiplicatore di coppia con rinvio angolare - Mechanical with torque multiplier with angular transmission

5.80.23000 5.80.24000 5.80.25000 5.80.26000

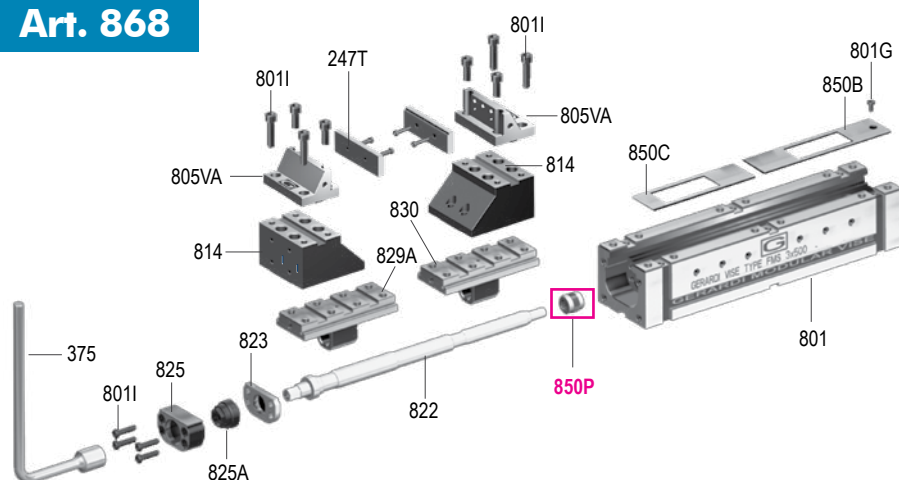
### Art. 868E (Art. 868 + 890) Morsa + motore idraulico / Vise + hydraulic motor

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

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

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

### Art. 868



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

## Automatic Vises

# GRIPMATIC

### Morse Automatiche per centri di lavoro automatizzati

Automatic vises system for automatic machine centre



Precisione / Accuracy  
**±0,02mm**



Durezza / Hardened  
**HRC 58±2**

#### CARATTERISTICHE & VANTAGGI

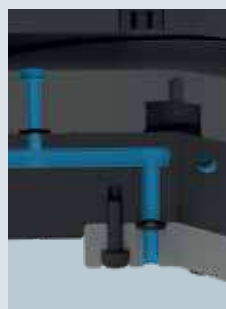
- ✓ USURA INESISTENTE
- ✓ RAPIDITA' DEI SERRAGGI
- ✓ PNEUMATICA O IDRAULICA
- ✓ UTILIZZO NON PRESIDATO
- ✓ CONTROLLABILE DA CNC
- ✓ CARICO E SCARICO TRAMITE ROBOT
- ✓ PRECISIONI ± 0,02 mm
- ✓ RIGIDITA' & SICUREZZA
- ✓ DESIGN COMPATTO E MANEGGEVOLEZZA
- ✓ AUTOCENTRANTI

#### TECHNICAL FEATURES & ADVANTAGES

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



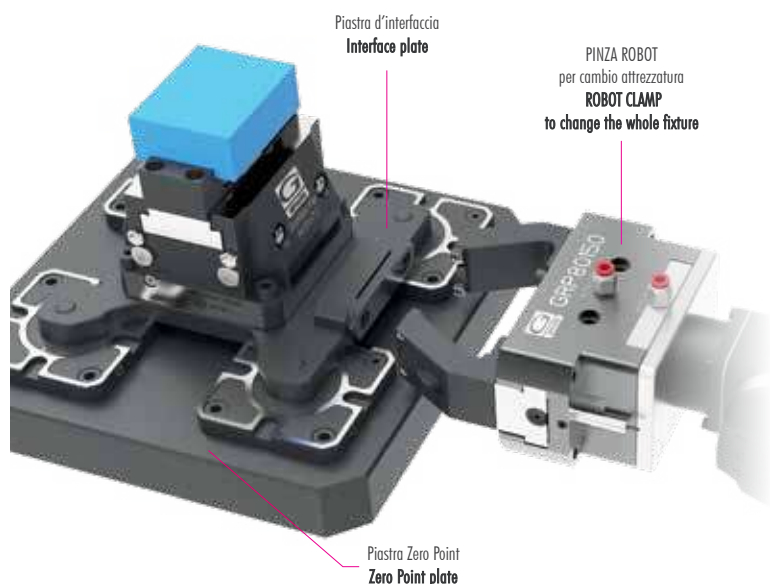
**PNEUMATICA A DOPPIO EFFETTO O IDRAULICA**  
PNEUMATIC DOUBLE EFFECT OR HYDRAULIC



#### Totamente automatica Fully Automatic

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

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



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

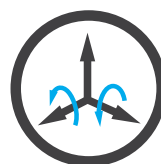
The pneumatic or hydraulic activation of GRIPMATIC vises is made through a double effect piston that grants the complete managing of the vise. One of the main features is modularity that allows this kind of vise to be used on any type of machine and, thanks to its configuration and complete handling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



## GripMatic

Le Automatiche & Autocentranti  
 The Automatic & Self-centering

**Art. 670** PN | ID



SCAN IT TO WATCH THE



VIDEO PRESENTATION



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

### Ganasce e piastre ganasce - Jaws and jaw plates



ART. 671B



ART. 671A



ART. 671C

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



### Forza di serraggio Clamping Force

| Art.670 | PN     | ID    |
|---------|--------|-------|
| T.2     | 5,1 kN | 15 kN |
| T.3     | 16 kN  | 32 kN |
| T.4     | 22 kN  | 43 kN |



### Predisposizione Zero Point Zero Point Ready

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

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



| Tipo (grandezza) morsa / Vise (type) size |                   | 2          | 3          | 4          |
|-------------------------------------------|-------------------|------------|------------|------------|
|                                           |                   | 5,1        | 16         | 22         |
| <b>Art. 670PN</b>                         | Stroke Art.671A/B | A          | 8,5 / 10,5 | 12 / 13,1  |
|                                           |                   | A1         | 106,5      | 124,5      |
|                                           |                   | B          | 30         | 35         |
|                                           |                   | C          | 105        | 130        |
|                                           |                   | D          | 166        | 206        |
|                                           |                   | E          | 78         | 96         |
|                                           |                   | G          | 12         | 16         |
|                                           |                   | H          | 140        | 170        |
|                                           |                   | W          | 99         | 124        |
|                                           |                   | kg         | 20         | 38         |
| Cod.                                      |                   | 7.67.0PN20 | 7.67.0PN30 | 7.67.0PN40 |
| €                                         |                   |            |            |            |

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



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

**NEW  
2021**

## AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

### Art. 671A

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 **ganascie 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. 247G

Piastra piana con inserti GRIP  
Straight plate with GRIP inserts



Cod. 1.24.7G100 1.24.7G200 1.24.7G300

Dotazione standard:

- 1 perno di centraggio Art.670P\*
  - N°4 viti calibrate a colletto Art.83
  - Valvola di non ritorno Art. PN16
  - N°2 raccordi cilindrici maschi Art.PN04
- \* (Indicare dimensione in fase di ordine)



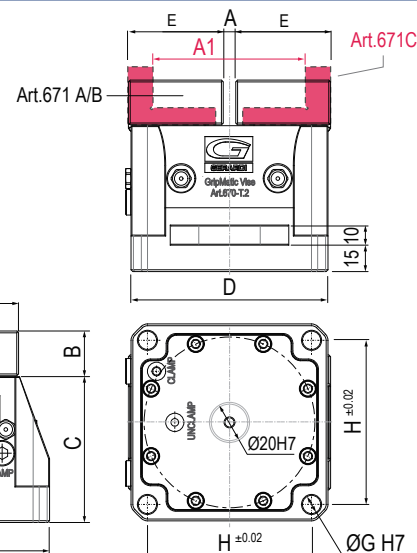
Standard equipment:

- 1 centering pin Art.670P\*
  - N. 4 shoulder screw Art. 83
  - No return valve Art.PN16
  - N.2 Straight male adaptors Art.PN04
- \* (Dimension to be advised at order)

### Art. 670PN



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



| Tipo (grandezza) morsa / Vise (type) size |                   | kN   | 2<br>15    | 3<br>25    | 4<br>45    |
|-------------------------------------------|-------------------|------|------------|------------|------------|
| <b>Art. 670ID</b>                         | Stroke Art.671A/B | A    | 6,4 / 6,9  | 8,5 / 10,5 | 12 / 13,1  |
|                                           |                   | A1   | 58,8       | 106,5      | 124,5      |
|                                           |                   | B    | 25         | 30         | 35         |
|                                           |                   | C    | 80         | 105        | 130        |
|                                           |                   | D    | 106        | 166        | 206        |
|                                           |                   | E    | 52         | 78         | 96         |
|                                           |                   | G    | 10         | 12         | 16         |
|                                           |                   | H    | 90         | 140        | 170        |
|                                           |                   | W    | 74         | 99         | 124        |
|                                           |                   | kg   | 6,5        | 20         | 38         |
|                                           |                   | Cod. | 7.67.0ID20 | 7.67.0ID30 | 7.67.0ID40 |
|                                           |                   | €    |            |            |            |

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



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

**SUGGERITA APERTURA PNEUMATICA**  
**PNEUMATIC OPENING SUGGESTED**

### UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

|                                                                                                                        |  |      |            |            |            |
|------------------------------------------------------------------------------------------------------------------------|--|------|------------|------------|------------|
| <b>Art. 671A</b>                                                                                                       |  | Cod. | 7.67.1A200 | 7.67.1A300 | 7.67.1A400 |
| Ganascia lavorabile<br>Soft jaw                                                                                        |  |      |            |            |            |
| <b>Art. 671B</b>                                                                                                       |  | Cod. | 7.67.1B200 | 7.67.1B300 | 7.67.1B400 |
| Ganascia lavorabile ridotta<br>Soft narrow jaw                                                                         |  |      |            |            |            |
| <b>Art. 671C</b>                                                                                                       |  | Cod. | 7.67.1C200 | 7.67.1C300 | 7.67.1C400 |
| Ganascia predisposta<br>per piastre <b>ganasce standard ridotte</b><br>Jaw for <b>narrow width standard</b> jaw plates |  |      |            |            |            |
| <b>Art. 243</b>                                                                                                        |  | Cod. | 1.65.17000 | 1.65.27000 | 1.65.37000 |
| Piastra ganascia piana rigata temprata<br>Hardened grooved straight jaw plate                                          |  |      |            |            |            |
| <b>Art. 245</b>                                                                                                        |  | Cod. | 4.24.51000 | 4.24.52000 | 4.24.53000 |
| Piastra ganascia piana liscia temprata<br>Hardened smooth straight jaw plate                                           |  |      |            |            |            |
| <b>Art. 247G</b>                                                                                                       |  | Cod. | 1.24.7G100 | 1.24.7G200 | 1.24.7G300 |
| Piastra piana con inserti GRIP<br>Straight plate with GRIP inserts                                                     |  |      |            |            |            |

Dotazione standard:

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

\* (Indicare dimensione in fase di ordine)



Standard equipment:

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

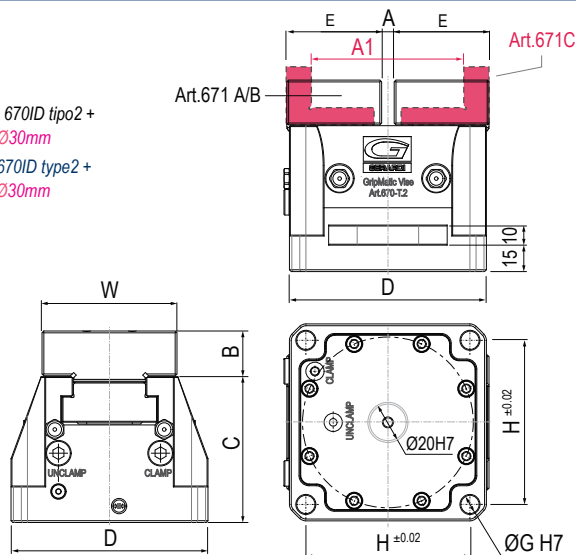
\*(Dimension to be advised at order)

### Art. 670ID



**Esempio di ordine:** Art. 670ID tipo2 +  
2x Art.671A + Art.670P Ø30mm

**Example of order:** Art. 670ID type2 +  
2x Art.671A + Art.650G Ø30mm

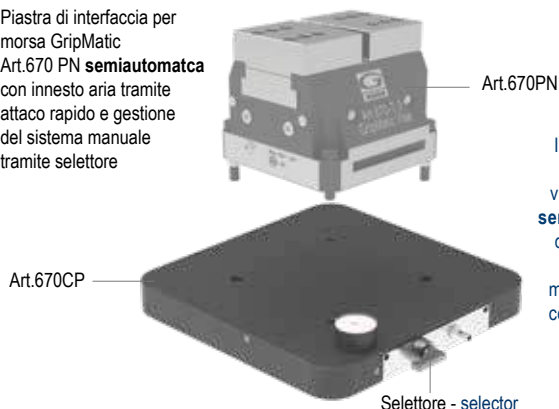


## PIASTRE DI INTERFACCIA PER MORSE GRIPMATIC

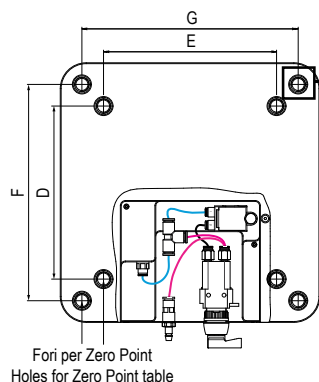
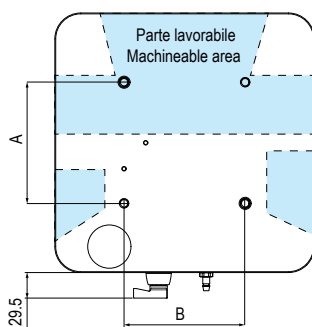
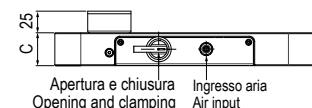
### INTERFACED PLATES FOR GRIPMATIC VISES

**NEW 2021**

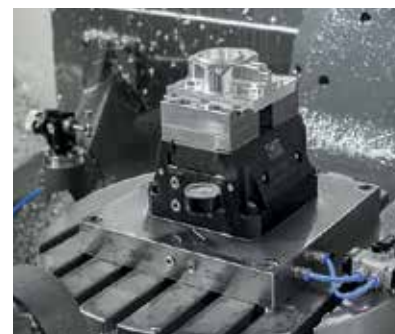
| Tipo (grandezza) morsa / Vise (type) size                                                                                                                                                                                   |    | 2          | 3          | 4          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|------------|------------|
|                                                                                                                                                                                                                             |    | 5,1 - 15   | 16 - 25    | 22 - 45    |
| <b>Art. 670CP</b> SEMI AUTOMATICA<br>SEMI-AUTOMATIC<br>Piastra di interfaccia per morsa GripMatic Art.670 PN <b>semiautomatica</b> con innesto aria tramite attacco rapido e gestione del sistema manuale tramite selettore | kN |            |            |            |
|                                                                                                                                                                                                                             | 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 |



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

7

## PIASTRE DI INTERFACCIA PERSONALIZZATE PER MORSE GRIPMATIC

### CUSTOMIZED INTERFACED PLATES FOR GRIPMATIC VISES

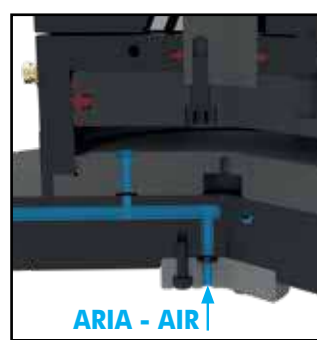
**NEW 2021**

| Tipo (grandezza) morsa / Vise (type) size                                                                                                                                                                                                                                                                                                      |      | 2          | 3          | 4          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|------------|------------|
|                                                                                                                                                                                                                                                                                                                                                |      | 5,1 - 15   | 16 - 25    | 22 - 45    |
| <b>Art. 670AP</b> AUTOMATICA<br>AUTOMATIC<br>Piastra di interfaccia per morsa GripMatic Art.670PN <b>automatica</b> con innesto aria/olio tramite la tavola della macchina e gestibile direttamente dal CNC.<br>Piastra completamente personalizzabile in base alle funzionalità della macchina utensile (comando di presenza pezzo e pulizia) | kN   |            |            |            |
|                                                                                                                                                                                                                                                                                                                                                | Cod. | 7.67.0AP20 | 7.67.0AP30 | 7.67.0AP40 |

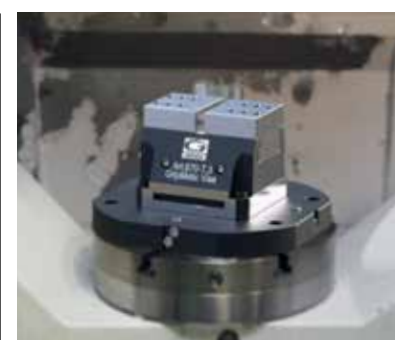
Piastra di interfaccia per morsa GripMatic Art.670PN **automatica** con innesto aria/olio tramite la tavola della macchina e gestibile direttamente dal CNC.  
 Piastra completamente personalizzabile in base alle funzionalità della macchina utensile (comando di presenza pezzo e pulizia)



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



Ingresso diretto ARIA - Direct AIR input



Esempio applicativo - Applicative example

**PIASTRA COMPLETAMENTE PERSONALIZZABILE !**  
**COMPLETE CUSTOMIZABLE PLATE !**

# CENTRALINE PNEUMOIDRAULICHE PER MORSE GRIPMATIC

## PNEUMOHYDRAULIC POWER UNIT FOR GRIPMATIC VISES

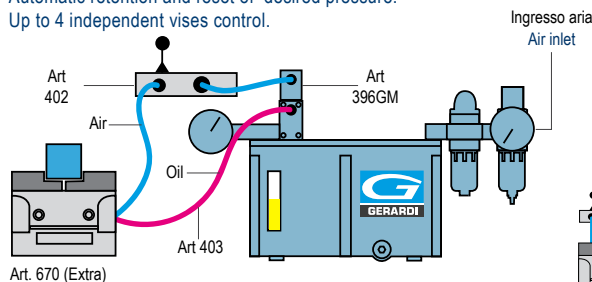
**NEW  
2021**
**Tipo (grandezza) morsa / Vise (type) size**
**kN**      **2**      **3**      **4**  
**5,1 - 15**      **16 - 25**      **22 - 45**

### Art.394 GM

#### COMANDO PNEUMATICO PNEUMATIC CONTROL

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

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



Art. 670 (Extra)

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

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

Cod. 7.39.4GM331

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

Cod. 7.39.4GM332

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

Cod. 7.39.4GM333

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

Cod. 7.39.4GM334

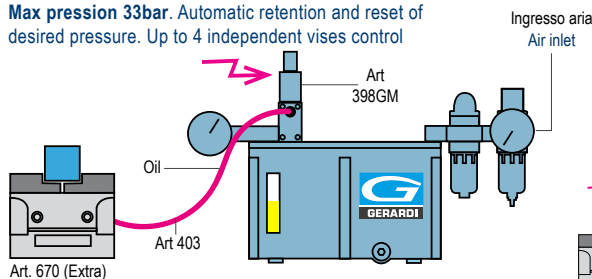
**Tipo (grandezza) morsa / Vise (type) size**
**kN**      **2**      **3**      **4**  
**5,1 - 15**      **16 - 25**      **22 - 45**

### Art.395 GM

#### COMANDO ELETTRICO ELECTRIC CONTROL

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

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



Art. 670 (Extra)

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

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

Cod. 7.39.5GM331

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

Cod. 7.39.5GM332

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

Cod. 7.39.5GM333

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

Cod. 7.39.5GM334

## ACCESSORI E RICAMBI / SPARE PARTS

### Art. 403

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

Cod. 4.40.30000

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



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

### Art. 396 GM

Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise



Cod. 4.39.6GM00

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

### Art. 398 GM

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

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



Pressostato  
Pressurestat

Cod. 4.39.8GM00

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



# GANASCE & PIASTRE GANASCE PER MORSE MULTITASKING Art.670

**NEW**

## JAWS & JAW PLATES FOR MULTITASKING VISES Art.670

| Tipo (grandezza) / Type (size)                                                                                                                                                                     |      | 2                          | 3            | 4           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------|--------------|-------------|
| <b>Art. 671A*</b><br>Ganasce mobile lavorabile<br>Soft movable jaw<br>Materiale temprabile 20MnCr5<br>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  |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. 671B*</b><br>Ganasce mobile lavorabile ridotta<br>Soft narrow movable jaw<br>Materiale temprabile 20MnCr5<br>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  |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. 671C*</b><br>Ganasce mobile predisposta per piastre ganasce standard ridotte<br>Movable jaw for narrow standard jaw plates<br>* Viti per fissaggio a richiesta<br>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  |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. 243*</b><br>Piastra ganasce piana rigata temprata<br>Hardened grooved straight jaw plate<br>* Viti per fissaggio a richiesta<br>Fixing screws on request                                   |      |                            |              |             |
|                                                                                                                                                                                                    | W    | 74                         | 94           | 124         |
|                                                                                                                                                                                                    | G    | 19                         | 19           | 19          |
|                                                                                                                                                                                                    | Cod. | 1.65.17000                 | 1.65.27000   | 1.65.37000  |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. 245*</b><br>Piastra ganasce piana liscia temprata<br>Hardened smooth straight jaw plate<br>* Viti per fissaggio a richiesta<br>Fixing screws on request                                    |      |                            |              |             |
|                                                                                                                                                                                                    | W    | 74                         | 94           | 124         |
|                                                                                                                                                                                                    | G    | 19                         | 19           | 19          |
|                                                                                                                                                                                                    | Cod. | 4.24.51000                 | 4.24.52000   | 4.24.53000  |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. 247G*</b><br>Piastra piana con inserti GRIP<br>Straight plate with GRIP inserts<br>* Viti per fissaggio a richiesta<br>Fixing screws on request                                            |      |                            |              |             |
|                                                                                                                                                                                                    | W    | 74                         | 94           | 124         |
|                                                                                                                                                                                                    | G    | 20                         | 20           | 20          |
|                                                                                                                                                                                                    | Cod. | 1.24.7G100                 | 1.24.7G200   | 1.24.7G300  |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. PN16</b><br>Valvola direzionale di non ritorno - 1/8" Gas<br>Unidirectional check valve - 1/8" Gas                                                                                         |      | Cod.                       | 9.PN.16000   |             |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. PN20</b><br>Raccordo a Y Ø6 - Ø8<br>Y adaptor Ø6 - Ø8                                                                                                                                      |      | Cod.                       | 9.PN.20006/8 |             |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. 83</b><br>Vite Calibrata a colletto<br>Shoulder calibrated screw                                                                                                                           |      |                            |              |             |
|                                                                                                                                                                                                    | A    | 16                         | 18           | 24          |
|                                                                                                                                                                                                    | B    | M8                         | M10          | M12         |
|                                                                                                                                                                                                    | C    | 10h7                       | 12h7         | 16h7        |
|                                                                                                                                                                                                    | D    | 15                         | 15           | 18          |
|                                                                                                                                                                                                    | E    | 7                          | 8            | 11          |
|                                                                                                                                                                                                    | X    | 30                         | 40           | 45          |
|                                                                                                                                                                                                    | Cod. | 8.83.10300                 | 8.83.12400   | 8.83.16450  |
|                                                                                                                                                                                                    |      |                            |              |             |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. 670IDL</b><br>Adattatore per innesto diretto<br>Direct input adaptor                                                                                                                       |      | Cod.                       | 7.67.0IDL20  | 7.67.0IDL30 |
|                                                                                                                                                                                                    |      |                            |              |             |
| <b>Art. 670P</b><br>Perno di centraggio<br>Straight pin                                                                                                                                            |      |                            |              |             |
|                                                                                                                                                                                                    | ØB   | 20 - 30 - 38,1 - 50 - 50,8 |              |             |
|                                                                                                                                                                                                    | Cod. | 7.67.0P3000                |              |             |
|                                                                                                                                                                                                    |      |                            |              |             |

Specificare sempre quota B - Specify always B dimension

## Clamping system

# DOVE TAIL

### Sistema a Coda di Rondine per centri a 5 assi

Irreversible Dove Tail system for 5th axis centres

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

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

*Insuperabile per particolari di dimensioni ridotte*

*Unbeatable to clamp small workpieces*



#### Serraggio ad incastro e rilascio graduale

*Irreversible clamping and gradual unclamping*

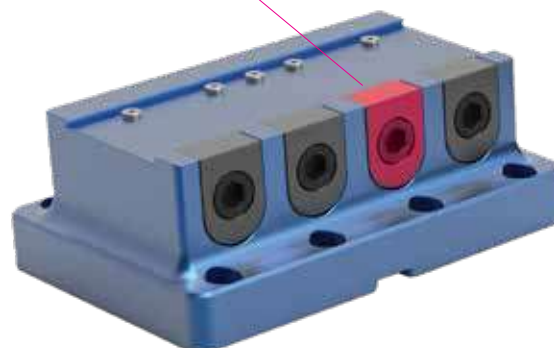
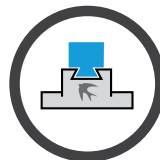
Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un'efficace chiusura ad incastro irreversibile. La molla all'interno permette un rilascio graduale del tassello di bloccaggio.

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

SCAN IT TO WATCH THE



VIDEO PRESENTATION



**Art. 950**

\*NON DISPONIBILE PER IL MERCATO AMERICANO  
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#### Sistema irreversibile

*Irreversible system*

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

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



#### Rialzo Piramidale

*Pyramidal riser*

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

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

## SISTEMA A CODA DI RONDINE DOVE TAIL FIXTURES

**Art.690**

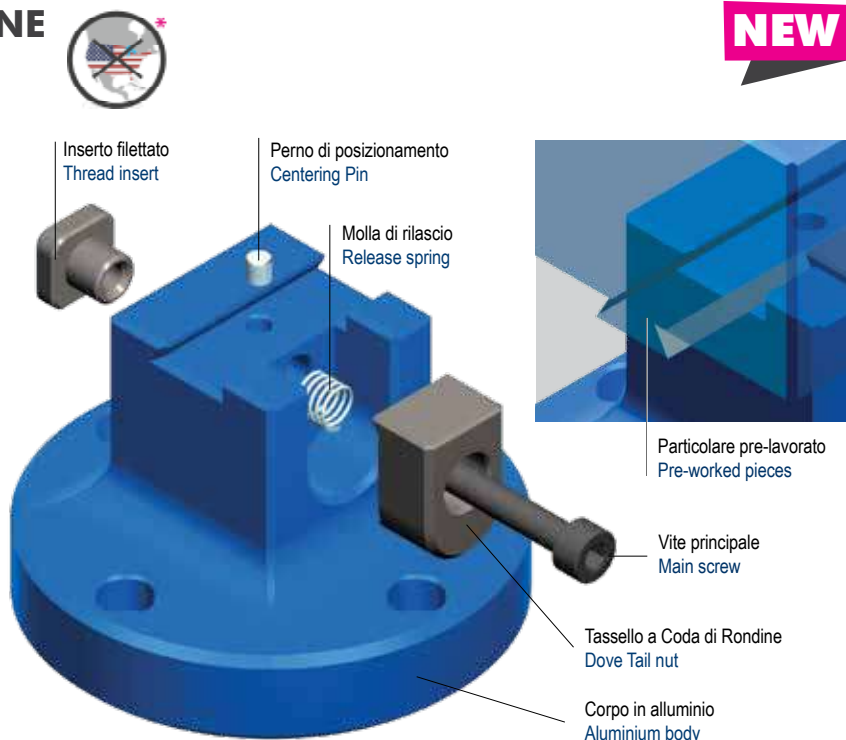
Il sistema a Coda di Rondine è progettato specificatamente per le lavorazioni su centri a 5 assi.

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

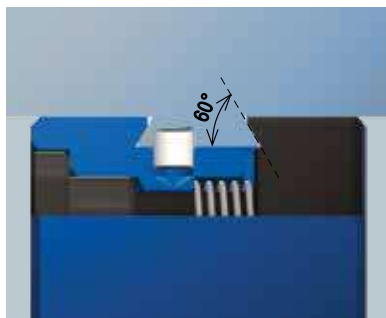
Il sistema Coda di Rondine è compatibile con l'ampia gamma di attrezzature Gerardi, in particolare con il sistema Zero Point e tavole a cambio rapido ed è possibile applicarlo sui più conosciuti centri di lavoro al mondo.

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

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


**NEW**

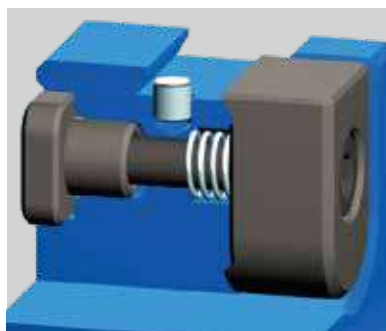
## COME SERRARE UN PARTICOLARE CON IL SISTEMA A CODA DI RONDINE HOW TO CLAMP WORKPIECES WITH DOVE TAIL FIXTURE


**1**

### PREDISPOSIZIONE CODA DI RONDINE DOVE TAIL SET-UP

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

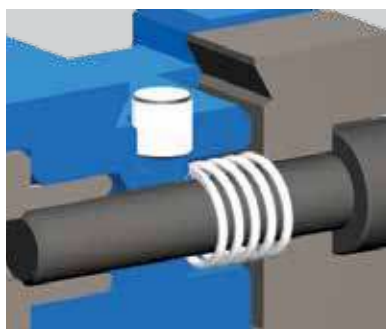
Each workpiece can be clamped on the Dove Tail system machining firstly the lower face through the proper milling cutter in order to create a 3mm height shape with a 60° angle.


**2**

### PERNO DI POSIZIONAMENTO CENTERING PIN

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

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


**3**

### SERRAGGIO & RILASCIO GRADUALE CLAMPING & GRADUAL RELEASE

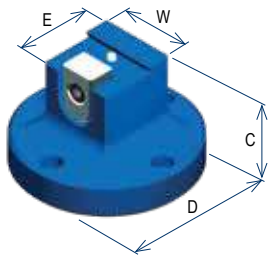
Il particolare da lavorare viene serrato mediante il tassello a Coda di Rondine, che sfruttando l'effetto leva generato dalla vite principale assicura un'efficace chiusura. La molla all'interno permette un rilascio graduale del tassello di bloccaggio.

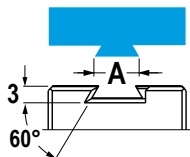
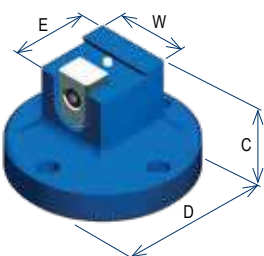
The workpiece is clamped through the Dove Tail System which exploiting the leverage created by the main screw ensures a perfect clamping. The internal spring allows a gradual release of the clamping nut.

# SISTEMA A CODA DI RONDINE in ALLUMINIO

## ALUMINIUM DOVE TAIL FIXTURES


**NEW**

| Tipo (grandezza) - (type) size (inch)                                                                                                                                |                                                 | 1           | 2                                                                                 | 3                                                                                 | 4                                                                                  | 5                                                                                   | 6                                                                                   |                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Grandezza coda di rondine - Dove tail dimension                                                                                                                      |                                                 | A"          | 0,281"                                                                            | 0,375"                                                                            | 0,5"                                                                               | 0,75"                                                                               | 1,5"                                                                                | 2,25"                                                                               |
| <div>Art.690</div> <div>SINGOLO - SINGLE</div> <div>Tipo / Type 3</div> <div></div> | 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                                                                          |                                                                                     |



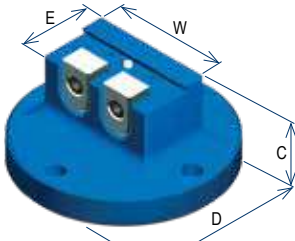
\*NON DISPONIBILE PER IL MERCATO AMERICANO - \*NOT AVAILABLE FOR U.S. MARKET

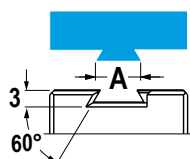
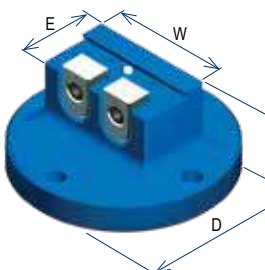
| Tipo (grandezza) - (type) size (inch)           |  | 1  | 2      | 3          | 4          | 5          | 6          |         |
|-------------------------------------------------|--|----|--------|------------|------------|------------|------------|---------|
| Grandezza coda di rondine - Dove tail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

Art.690

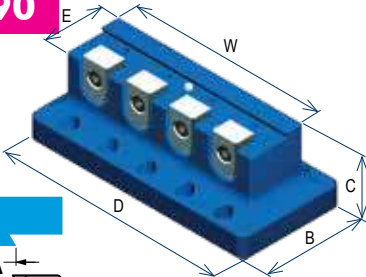
DOPIO - DOUBLE

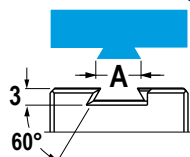
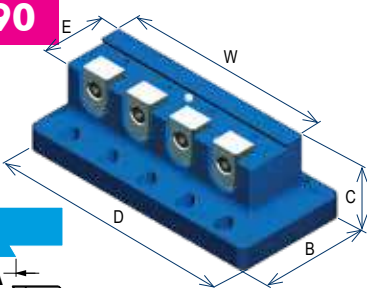
Tipo / Type 3





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

| Tipo (grandezza) - (type) size (inch)                                                                                                                                        |                                                 | 1           | 2      | 3      | 4                                                                                    | 5                                                                                     | 6                                                                                     |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------|--------|--------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Grandezza coda di rondine - Dove tail dimension                                                                                                                              |                                                 | A"          | 0,281" | 0,375" | 0,5"                                                                                 | 0,75"                                                                                 | 1,5"                                                                                  | 2,25"                                                                                 |
| <div>Art.690</div> <div>MULTIPLIO<br/>MULTIPLE</div> <div>Tipo / Type 3</div> <div></div> | 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                                                                            |
|                                                                                                                                                                              |                                                 | €           | -      | -      | 921*                                                                                 | 1.708*                                                                                | 1.708*                                                                                | 1.708*                                                                                |



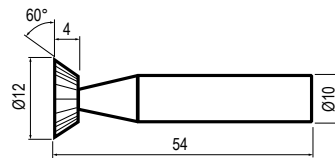
\*NON DISPONIBILE PER IL MERCATO AMERICANO - \*NOT AVAILABLE FOR U.S. MARKET

| <div>Art.690G</div> <div>Gruppo di serraggio completo</div> <div></div> |      | 1         | 2         | 3         | 4         | 5         | 6         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                                                                                                                                            | Cod. | 126906001 | 126906002 | 126906003 | 126906004 | 126906005 | 126906006 |
|                                                                                                                                                            |      |           |           |           |           |           |           |



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

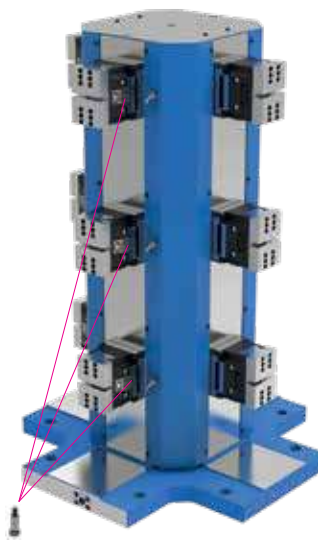
| Tipo (grandezza) - (type) size (inch)                                                                                                                 |      | 1  | 2      | 3      | 4           | 5    | 6     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|--------|--------|-------------|------|-------|
| Grandezza coda di rondine - Dove tail dimension                                                                                                       |      | A" | 0,281" | 0,375" | 0,75"       | 1,5" | 2,25" |
| <b>Art.690DTF</b><br>Utensile fresa per realizzare la base del particolare da bloccare<br>Milling tool for working the base of the workpiece to clamp |      |    |        |        |             |      |       |
|                                                                                                                                                       | Cod. |    |        |        | 7.69.0DTF10 |      |       |





## PREDISPOSIZIONE e MONTAGGIO MORSE su SPALLE LAVORATE

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

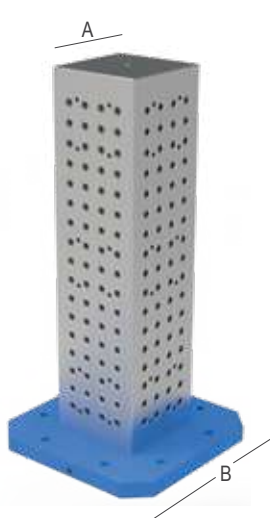
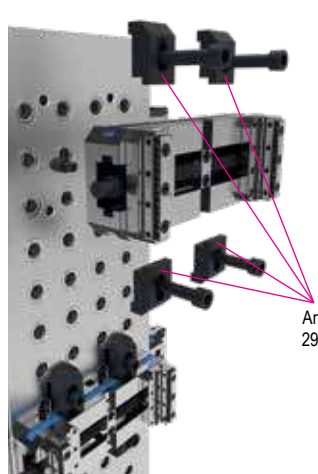
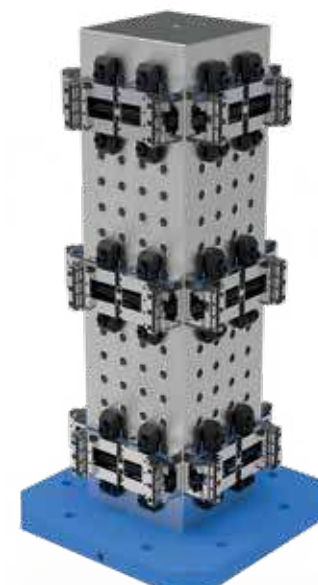
| Cubo lavorato Art.57C<br>Machined cube Art.57C                                                                                              | Tipo di morsa<br>Vise type                                                                                                                                  |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

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

Certificato di collaudo  
 Certificate test

## MONTAGGIO e ALLINEAMENTO MORSE su CUBI a RETICOLO

### ALIGNEMENT and VISES MOUNTING on GRID TOMBSTONES

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

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

Certificato di collaudo  
 Certificate test

# Diagrammi serraggio / Clamping diagrams

## Multitasking

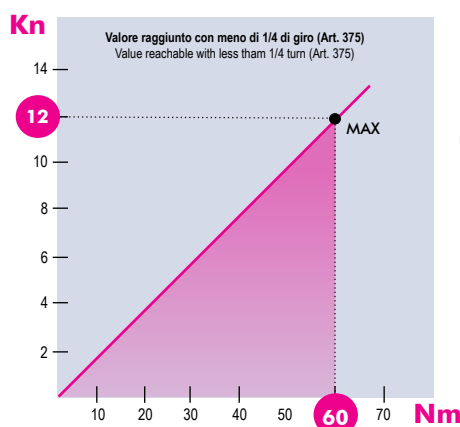
### Diagrammi di serraggio meccanico con chiave dinamometrica

#### Mechanical clamping diagrams with torque wrench

**Art. 357**

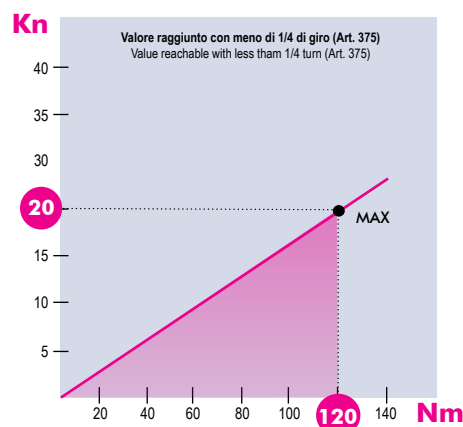
#### Morse tipo 1

#### Vises type

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

**Art. 357**

#### Morse tipo 2

#### Vises type

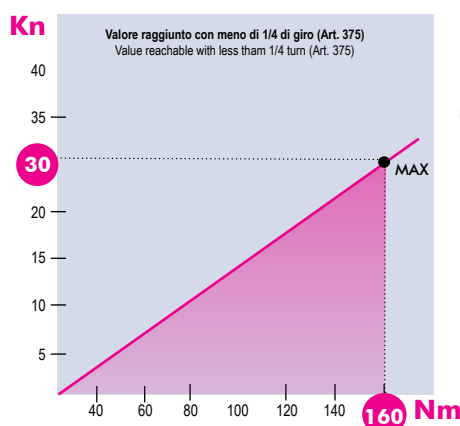
 Vite TPF24 - Passo 2mm  
 Screw TPF24 - Pitch 2mm


### Gruppi di serraggio meccanici / Mechanical clamping devices

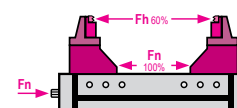
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione del momento applicato  
 The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) depending on the torque

#### Morse tipo 3

#### Vises type

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

**Art. 357**

### FMS

**Art. 868**


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

**Morse tipo 1 (Max 25 kN - 120 Nm)**

Vises type 1 (Max 25 kN - 120 Nm)

**Morse tipo 2 (Max 25 kN - 140 Nm)**

Vises type 2 (Max 25 kN - 140 Nm)

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

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

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

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

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

## Diagrammi di serraggio / Clamping diagrams

# CompactGrip

### Diagrammi di serraggio meccanico con chiave dinamometrica

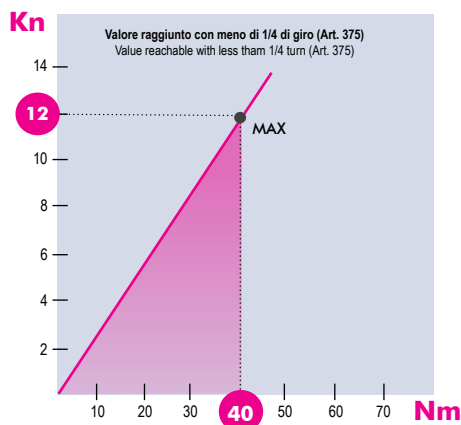
Mechanical clamping diagrams with torque wrench

**Art. 357**

#### Morse tipo Vises type

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

**1**

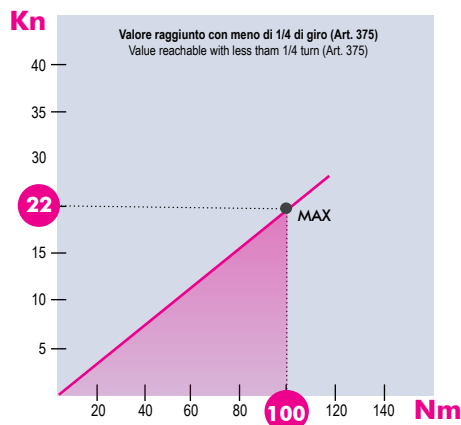


**Art. 357**

#### Morse tipo Vises type

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

**2**



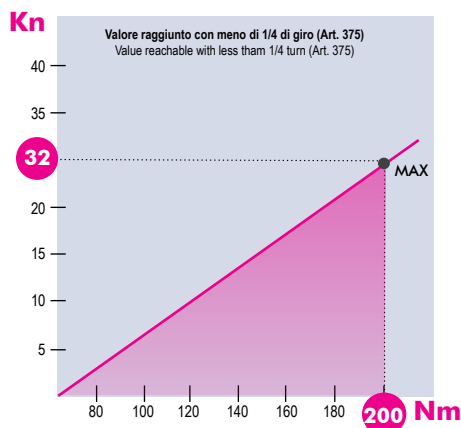
### Gruppi di serraggio meccanici / Mechanical clamping devices

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

#### Morse tipo Vises type

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

**3**



**Art. 357**

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

## Diagrammi di serraggio / Clamping diagrams

# GripMatic

### Diagrammi di serraggio meccanico con chiave dinamometrica

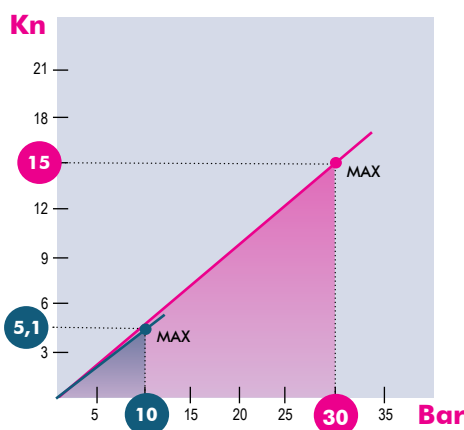
Mechanical clamping diagrams with torque wrench

Art. 357

#### Morse tipo Vises type

Pistone Ø85mm -  
Superficie utile 51,8mm<sup>2</sup>  
Hydraulic cylinder Ø85mm  
Effective surface 51,8mm<sup>2</sup>

2

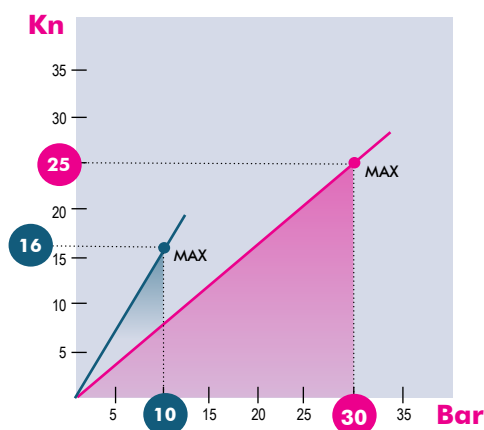


(1 bar = 14,5 psi)

#### Morse tipo Vises type

Pistone Ø135mm -  
uperficie utile 132,3mm<sup>2</sup>  
Hydraulic cylinder Ø135mm -  
Effective surface 132,3mm<sup>2</sup>

3



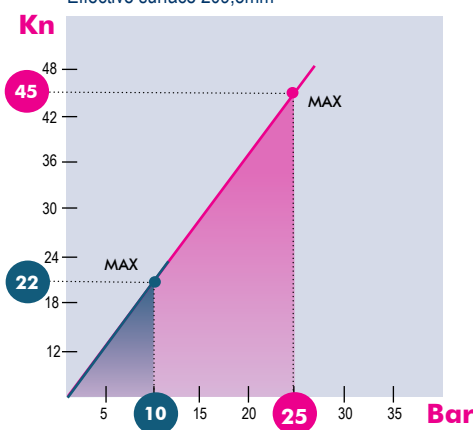
### Gruppi di serraggio idraulici / Hydraulic clamping devices

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

#### Morse tipo Vises type

Pistone Ø170mm  
Superficie utile 209,5mm<sup>2</sup>  
Hydraulic cylinder Ø170mm  
Effective surface 209,5mm<sup>2</sup>

4



(1 bar = 14,5 psi)

● Valore massimo  
consigliato (ARIA)

● Max suggested  
value (OIL)

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



## MORSE MULTITASKING

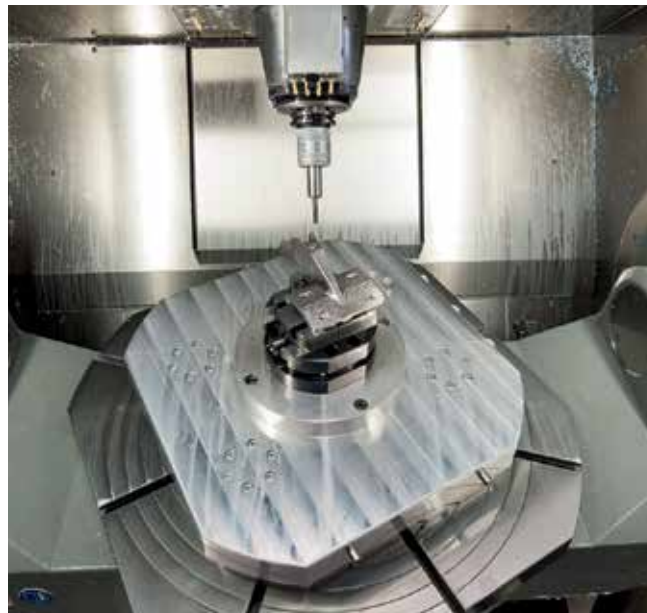
### MULTITASKING VISES



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## MORSE COMPACTGRIP

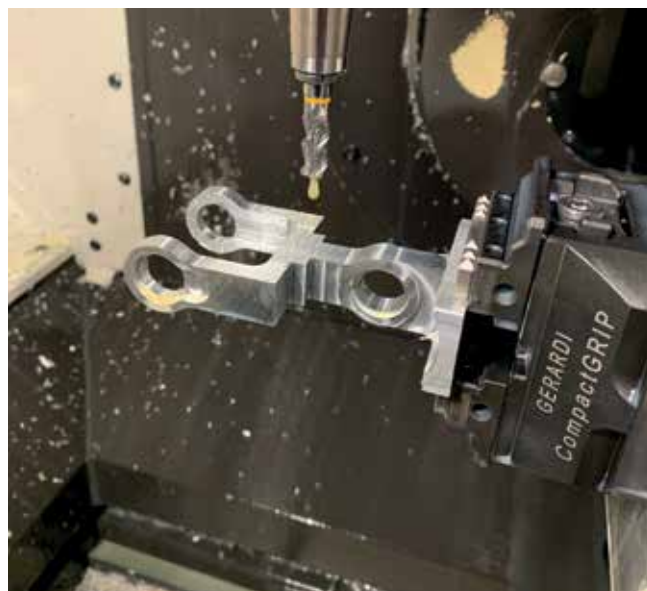
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## MORSE GRIPMATIC

### GRIPMATIC VISES



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