MULTITASKING

MORSE Autocentranti o Eccentriche
Self-centering or Eccentric VISES

Valigetta di campionatura
Sample Kit case for Art.640

Art. 982

SISTEMA MODULARE FLESSIBILE
FLEXIBLE MODULAR SYSTEM

MORSE serie MULTITASKING
MULTITASKING series VISES

Pagg. **7.2 - 7.16**

*Di speciale interesse per gli utilizzatori di **centri di lavoro a 5 assi**, le morse **MULTITASKING** presentano le stesse caratteristiche costruttive illustrate per le morse della serie FMS e MULTIFLEX (accuratamente rettificate in acciaio ad alta resistenza cementato e temprato con durezza 60 HRC).*

Nata espressamente per i centri a 5 assi, la gamma **MULTITASKING** permette di intervenire sulle 5 facce del particolare in lavorazione con riferimenti precisi in spazi contenuti garantendo usure inesistenti e grande rigidità.
Possibilità di ausilio di sistemi meccanici o idraulici o pneumatici. **Ganasce da 74 a 140 mm**.

- ✓ Ancoraggio diretto o tramite staffe
- ✓ Posizionamento tramite fori calibrati o chiavette
- ✓ Eccentriche: possibilità di disassamento centraggio per multipli di 2 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

CARATTERISTICHE E VANTAGGI

- **USURA INESISTENTE**
- **RAPIDITA' DEI SERRAGGI**
- **MODULARITA' & VERSATILITA'**
- **PRECISIONI ± 0,02 mm**
- **RIGIDITA' & SICUREZZA**
- **DESIGN COMPATTO E MANEGGEVOLEZZA**

Si rimanda a quanto esposto a pag. 1.2 e 1.3 (morse serie STANDARD)

Art. 640

Azionamento manuale - Serraggio meccanico
Manual control - Mechanical clamping

Morse per applicazioni avanzate su centri di lavoro a 5 assi Autocentranti o eccentriche

Vises advanced applications on 5 axis machining centres Self-centering or eccentric

*Of special interest to **5 axis centres** users **MULTITASKING** vises present the same building characteristics of FMS and MULTIFLEX vises, (hardened HRC 60 & ground steel contruction throughout).*

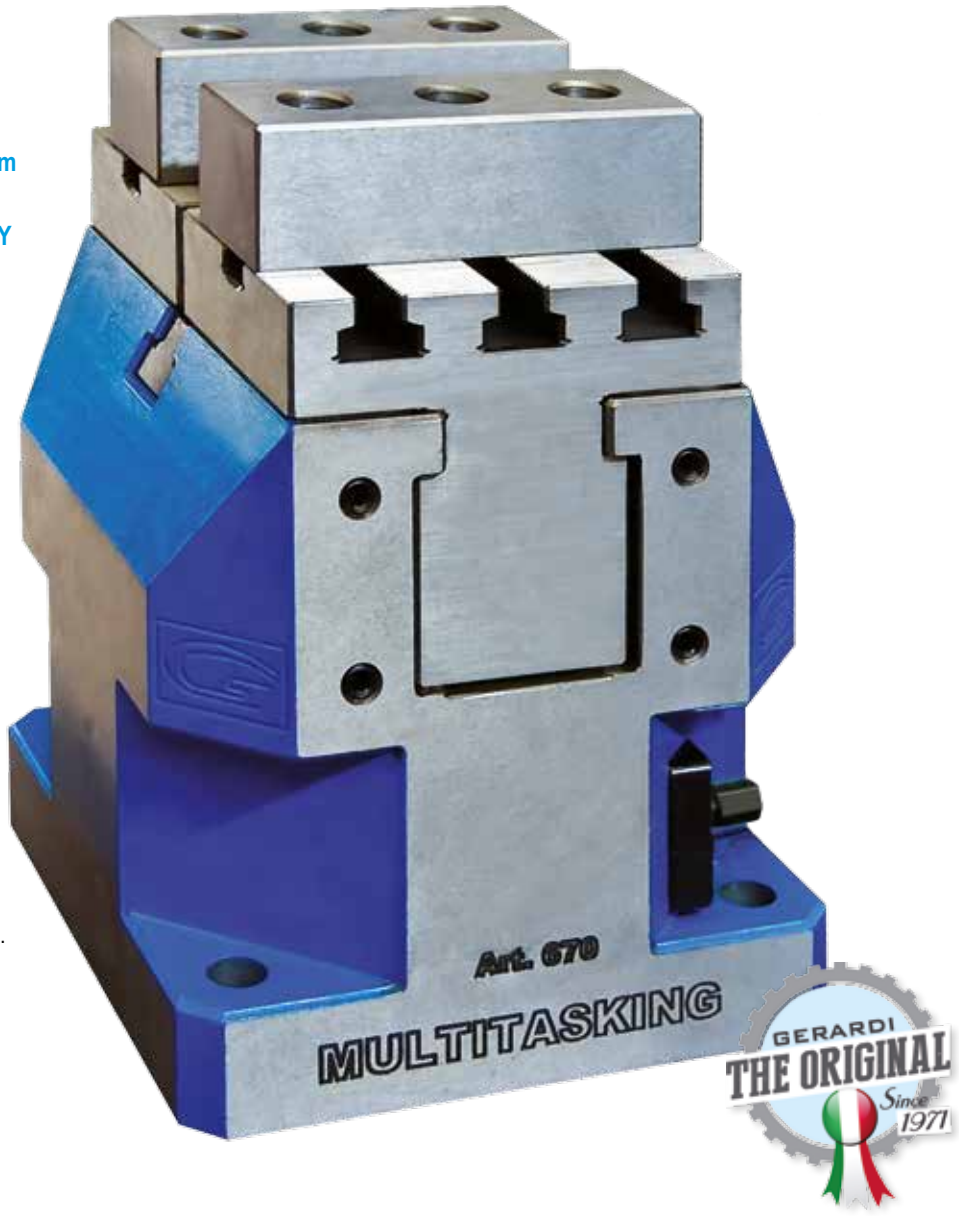
Designed for 5 axis machines, **MULTITASKING** series of vises allow machining opareations on the 5 workpieces sides with perfect alignment in a space saving design, extremenly high wear resistence, with reduced deflection.
Possibility of mechanic or hydraulic or pneumatic devices application. **Jaws widhts from 75 to 140 mm**.

- ✓ Direct vise set-up or through vise clamps
- ✓ Positioning through ground holes or keyways
- ✓ Self-centering with possibility to clamping from outside to inside and viceversa
- ✓ Eccentric jaw adjustment in steps of 2 mm (*Multiaxis self-centering*)
- ✓ Minimum deflection and overall dimensions
- ✓ Solid and rigid construction and maximum clamping ratio to the total lenght
- ✓ Series of interchangeables jaws available
- ✓ Solid jaws (integral with the slides) for highest rigidity

TECHNICAL FEATURES AND ADVANTAGES

- **NO WEAR**
- **QUICK CLAMPING**
- **MODULARITY & VERSATILITY**
- **HIGHEST ACCURACIES ± 0,02 mm**
- **RIGIDITY & SAFETY**
- **SPACE SAVING DESIGN & HANDY**

See pag. 1.2 and 1.3 (STANDARD series vises)



Art. 670

Sistema di serraggio meccanico
- Con moltiplicatore di coppia idraulico
- Meccanico-idraulico
- Pneumatico.
- Comando manuale a pedale o tramite CNC.

Mechanic clamping
- With torque multiplier
- Hydraulic
- Mechanic-Hydraulic
- Pneumatic

Manual control, through pedal or CNC

Art. 640 *Tipo / Type* 1 e 2

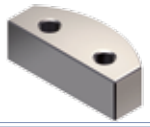
Morsa autocentrante o eccentrica.
Azionamento manuale
Serraggio meccanico

Self-centering or eccentric vise.
Manual operation
Mechanical clamping

Tipo (grandezza) morsa / Vise (type) size	1	2
A	74	104
W	74	99
B	15	20
C	50	70
Ø D	120	160
E	35	35
F	92	120
G	20	25
H	20	40
Ø L	12	15
M	9	11
kg	4,9	11
kN	16	20
Cod.	6.64.01000	6.64.02000

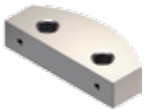
AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 645B
Ganascia dolce
Soft jaw



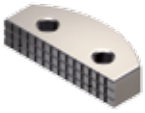
Cod.	6.64.5B100	6.64.5B200

Art. 645C
Ganascia liscia
Smooth jaw



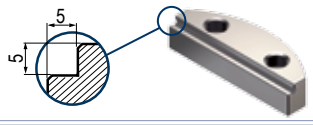
Cod.	6.64.5C100	6.64.5C200

Art. 645D
Ganascia zigrinata
Serrated jaw



Cod.	6.64.5D100	6.64.5D200

Art. 645E
Ganascia a gradino
Step jaw

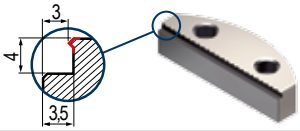


Cod.	6.64.5E100	6.64.5E200

Art. 645F
Ganascia prismatica
Prismatic jaw

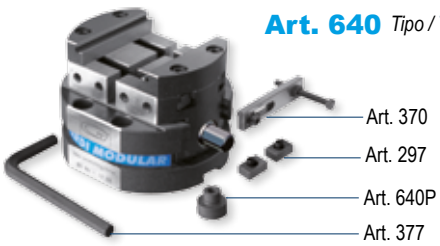
Cod.	6.64.5F100	6.64.5F200

Art. 645T
Ganascia *GRIP*
GRIP jaw



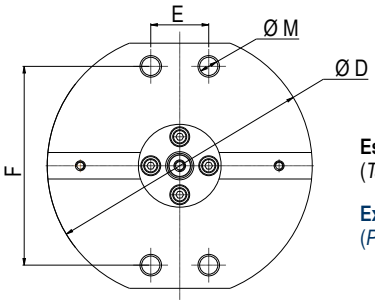
Cod.	6.64.5T100	6.64.5T200

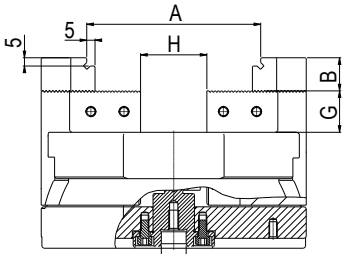
Dotazione standard:
- 1 chiave esagonale Art. 377
- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297
- 1 perno di centraggio Art. 640P (*Indicare dimensione in fase d'ordine*)

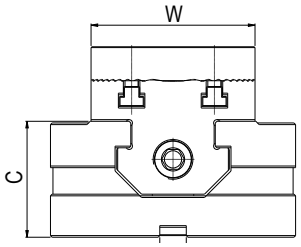


Art. 640 *Tipo / Type* 1 e 2

Standard equipment:
- 1 exagonal wrench Art. 377
- 1 workstop Art. 370
- 1 pair of positioning key-nuts Art. 297
- 1 positioning pin Art. 640P (*Dimension to be advised at order*)







Art. 640 *Tipo / Type* 1 e 2

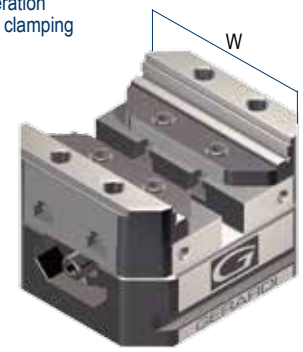
Esempio di ordine: *Art. 640 tipo 1*
(*Tasselli 18mm + Perno di centraggio 40mm*)

Example of order: *Art. 640 type 1*
(*Positioning key-nuts 18mm + Positioning pin 40mm*)

Tipo (grandezza) morsa / Vise (type) size	3
A	108
A1	20
W	138
B	30
C	58
D	166
E	120
kg	13
kN	30
Cod.	7.64.03166

Art. 640 *Tipo / Type* 3 x 166

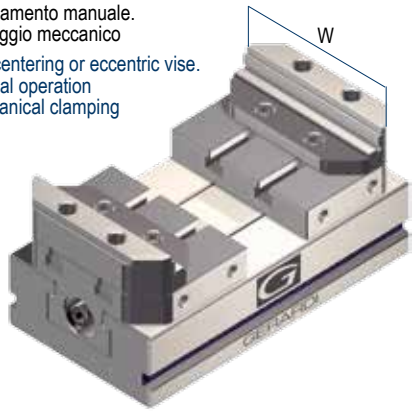
Morsa autocentrante o eccentrica.
Azionamento manuale. Serraggio meccanico
Self-centering or eccentric vise.
Manual operation
Mechanical clamping



Tipo (grandezza) morsa / Vise (type) size	3
A	208
A1	60
W	138
B	30
C	58
D	266
E	200
kg	20
kN	30
Cod.	7.64.03266

Art. 640 *Tipo / Type* 3 x 266

Morsa autocentrante o eccentrica.
Azionamento manuale.
Serraggio meccanico
Self-centering or eccentric vise.
Manual operation
Mechanical clamping

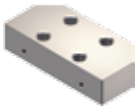


UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 645B
Ganascia dolce
Soft jaw

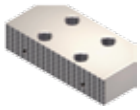
Cod. 7.64.5B300

Art. 645C
Ganascia liscia
Smooth jaw



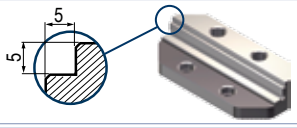
Cod. 7.64.5C300

Art. 645D
Ganascia zigrinata
Serrated jaw



Cod. 7.64.5D300

Art. 645E
Ganascia a gradino
Step jaw

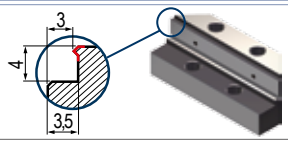


Cod. 7.64.5E300

Art. 645F
Ganascia prismatica
Prismatic jaw

Cod. 7.64.5F300

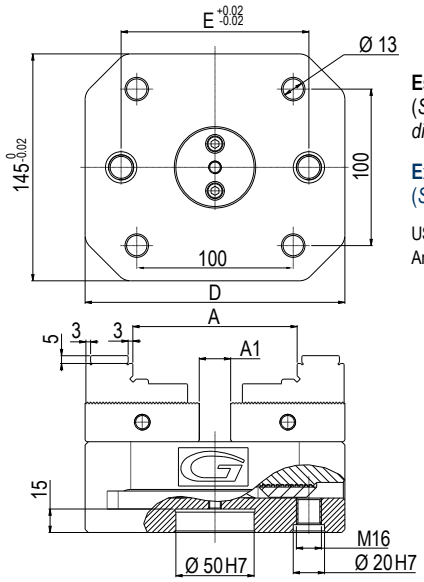
Art. 645T
Ganascia *GRIP*
GRIP jaw



Cod. 7.64.5T300

Dotazione standard:
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- 1 arresto laterale Art. 370 ■ 1 spina di orientamento Art. 79
- 1 perno di centraggio Art. 640P (*Indicare dimensione in fase di ordine*)

Standard equipment:
- 1 box wrench Art. 375 ■ 1 "T" wrench Art. 376
- 1 workstop Art. 370 ■ 1 straight pin Art. 79
- 1 positioning pin Art. 640P (*Dimension to be advised at order*)

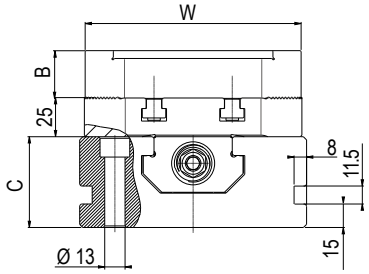


Art. 640 *Tipo / Type* 3

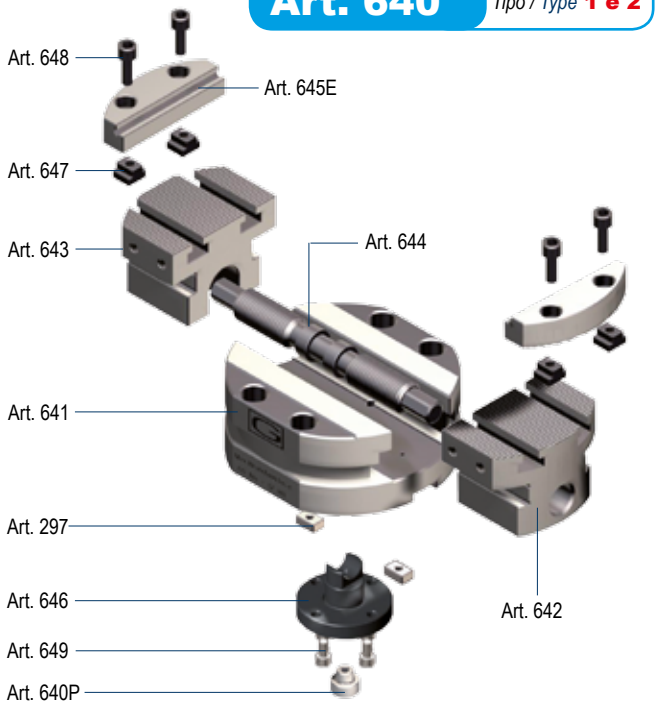
Esempio di ordine: *Art. 640 tipo 3 x 166 (Spina di orientamento 16mm + Perno di centraggio 40mm)*

Example of order: *Art. 640 type 3 x 166 (Straight pin 16mm + Positioning pin 40mm)*

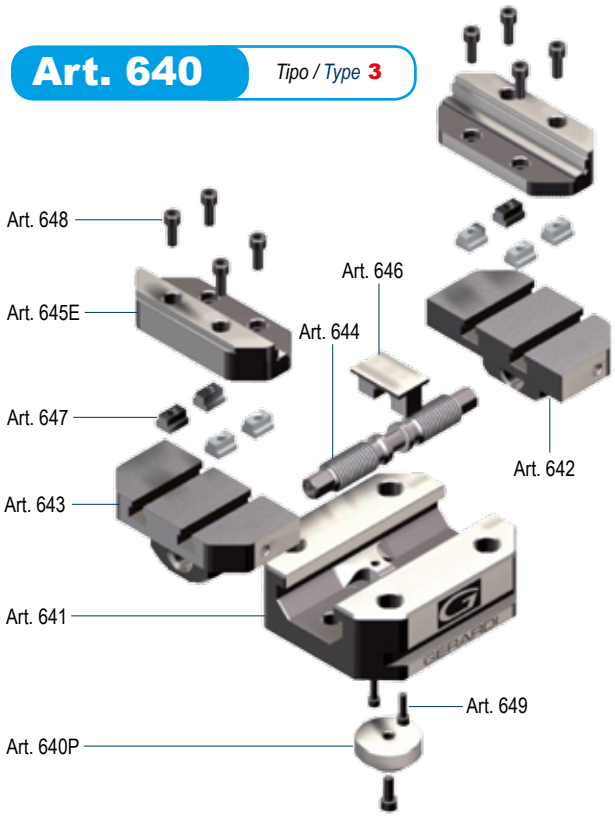
USARE STAFFE - USE SIDE CLAMPS
Art.298 *Tipo / Type* **1xM10 / 1xM12 / 1xM16**



Art. 640 *Tipo / Type* 1 e 2



Art. 640 *Tipo / Type* 3



Tipo / Type		1	2
Art. 641 Corpo base / Base body	Cod.	6.64.11000	6.64.12000
Art. 642 Slitta integrale destra / Solid slide right hand	Cod.	6.64.21000	6.64.22000
Art. 643 Slitta integrale sinistra / Solid slide left hand	Cod.	6.64.31000	6.64.32000
Art. 644 Vite di bloccaggio / Main screw	Cod.	6.64.41000	6.64.42000
Art. 645E Ganascia a gradino / Step jaw	Cod.	6.64.5E100	6.64.5E200
Art. 646 Forcella / Yoke	Cod.	6.64.61000	6.64.62000
Art. 647 Dado a T (Cad.) / T nut (Each)	Cod.	6.64.71000	6.64.72000
Art. 648 VTCEI per ganaascia / Hex socked head screw for jaw	Cod.	6.64.81000	6.64.82000
Art. 649 VTCEI per forcella / Hex socked head screw for yoke	Cod.	6.64.91000	6.64.92000
Art. 640P Perno di posizionamento / Positioning pin	Cod.	6.64.0P100	6.64.0P200

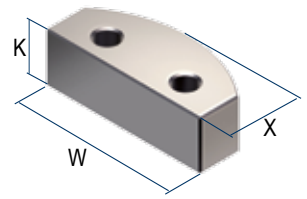
Tipo / Type		3 x 166	3 x 266
Art. 641 Corpo base / Base body	Cod.	7.64.13166	7.64.13266
Art. 642 Slitta integrale destra / Solid slide right hand	Cod.	7.64.23166	7.64.23266
Art. 643 Slitta integrale sinistra / Solid slide left hand	Cod.	7.64.33166	7.64.33266
Art. 644 Vite di bloccaggio / Main screw	Cod.	7.64.43166	7.64.43266
Art. 645E Ganascia a gradino / Step jaw	Cod.	7.64.5E300	
Art. 646 Forcella / Yoke	Cod.	7.64.63000	
Art. 647 Dado a T (Cad.) / T nut (Each)	Cod.	7.64.73000	
Art. 648 VTCEI per ganascia / Hex socked head crew for jaw	Cod.	7.64.83000	
Art. 649 VTCEI per forcella / Hex socked head crew for yoke	Cod.	7.64.93000	
Art. 640P Perno di posizionamento / Positioning pin	Cod.	7.64.0P300	

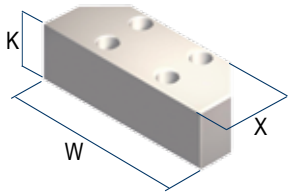
GANASCE PER MORSE MULTITASKING **Art. 640** / JAWS FOR MULTITASKING VISES **Art 640**

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

Art. 645B

Ganascia dolce
Soft jaw

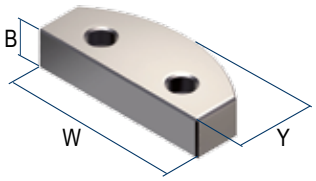


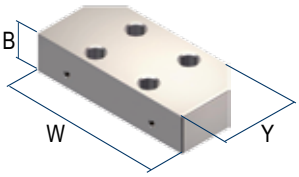


K	20	30	50
X	27,5	42,5	64
Cod.	6.64.5B100	6.64.5B200	7.64.5B300

Art. 645C

Ganascia liscia
Smooth jaw

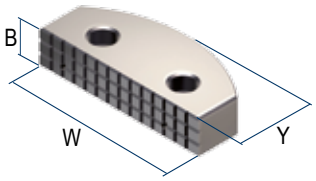


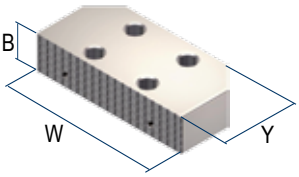


Cod.	6.64.5C100	6.64.5C200	7.64.5C300

Art. 645D

Ganascia zigrinata
Serrated jaw

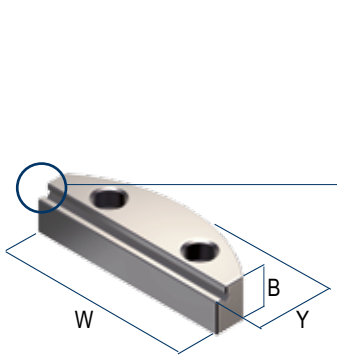


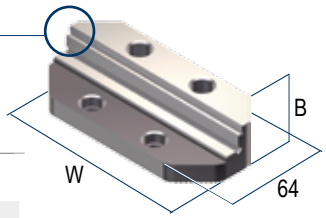


Cod.	6.64.5D100	6.64.5D200	7.64.5D300

Art. 645E

Ganascia a gradino
Step jaw

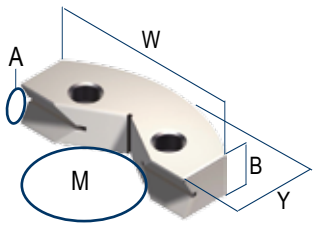


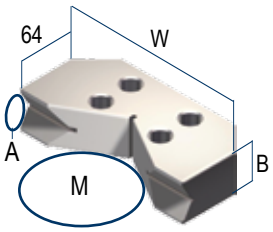


Cod.	6.64.5E100	6.64.5E200	7.64.5E300

Art. 645F

Ganascia prismatica
Prismatic jaw

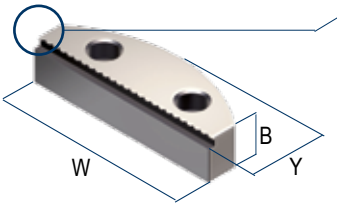


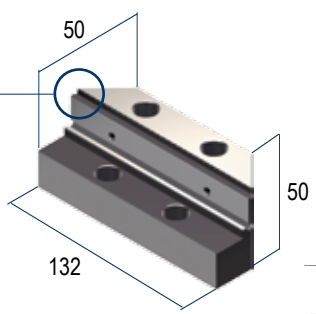


ØA	7 ÷ 15	9 ÷ 20	12 ÷ 30
ØM	25 ÷ 70	35 ÷ 110	50 ÷ 160
Cod.	6.64.5F100	6.64.5F200	7.64.5F300

Art. 645T

Ganascia GRIP Jaw





Cod.	6.64.5T100	6.64.5T200	7.64.5T300

Tipo (grandezza) morsa / Vise (type) size	1	2
Ø A	30 ÷ 45	45 ÷ 70
W	74	99
B	60	80
C	50	70
Ø D	120	160
E	35	35
F	92	120
G	30	40
Ø L	12	15
Ø M	9	11
kg	5	10
kN	20	26
Cod.	7.64.0J100	7.64.0J200

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

Morsa autocentrante.
Azionamento manuale
Serraggio meccanico

Self-centering vise.
Manual operation
Mechanical clamping

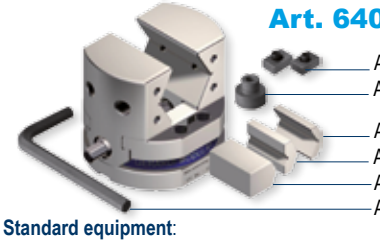
AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

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
Art. 655J Coppia di ganasce integrali prismatiche / Prismatic solid jaws (1 pair)	Da usare in coppia / To be used as a pair		
	Cod.	7.65.5J100	7.65.5J200

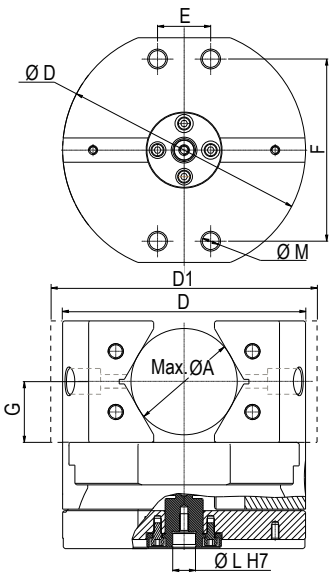
* Per Ø 23÷30 ingombro max. (D1) = **132**mm Ø (anzichè 120mm)
For Ø 23÷30 max overall dimensin (D1) Ø**132**mm (instead of 120mm)

Dotazione standard:
- 1 chiave esagonale Art. 377 ■ 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 di centraggio Art. 640P (*Indicare dimensione in fase di ordine*)

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



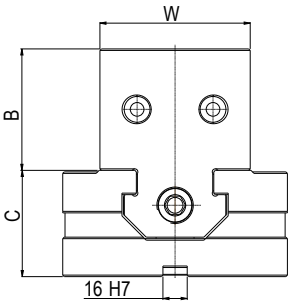
Standard equipment:
- 1 exagonal wrench Art. 377 ■ 1 workstop Art. 370
- 2 pair of plates Art. 655F (*Tot. 4 pcs*)
- 1 pair soft jaw plates Art. 655B
- 1 pair of positioning key-nuts Art. 297 ■ 1 positioning pin Art. 640P (*Dimension to be advised at order*)



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

Esempio di ordine: *Art. 640J tipo 2*
(*Tasselli 16mm* + *Perno di centraggio 30mm*)

Example of order: *Art. 640J type 2*
(*Positioning key-nut s16mm* + *Positioning pin 30mm*)

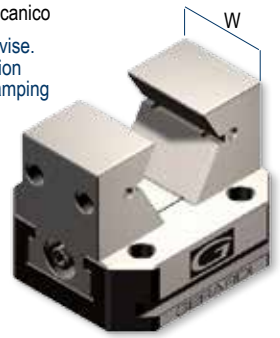


Tipo (grandezza) morsa / Vise (type) size	3

Art. 640J — Tipo / Type 3 x 166

Morsa autocentrante.
Azionamento manuale.
Serraggio meccanico

Self-centering vise.
Manual operation
Mechanical clamping



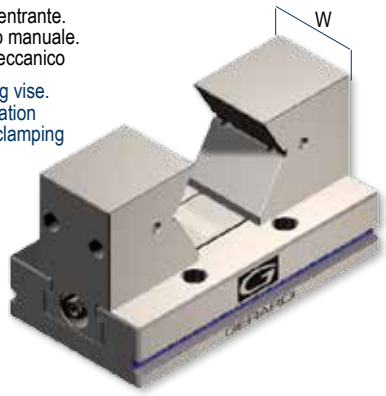
Ø A	44 ÷ 68
W	78
B	75
C	58
D	166
E	120
F	-
G	45
L	
kg	15
kN	30
Cod.	7.64.0J310

Tipo (grandezza) morsa / Vise (type) size	3

Art. 640J — Tipo / Type 3 x 266

Morsa autocentrante.
Azionamento manuale.
Serraggio meccanico

Self-centering vise.
Manual operation
Mechanical clamping



Ø A	48 ÷ 102
W	78
B	95
C	58
D	266
E	120
F	200
G	55
L	66
kg	22
kN	30
Cod.	7.64.0J320

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 655B
Piastra ganascia dolce
Soft jaw-plate

Cod.	7.65.5B316

Art. 655C
Piastra ganascia liscia
Smooth jaw-plata

Cod.	7.65.5C316

Art. 655D
Piastra ganascia zigrinata
Serrated jaw-plate

Cod.	7.65.5D316

Art. 655F
Piastra ganascia prismatica
Prismatic jaw-plate

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

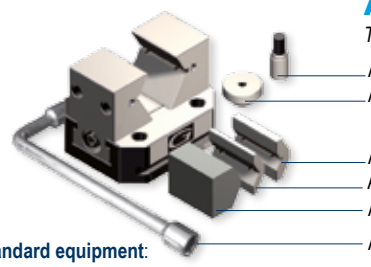
Art. 655J
Coppia di ganasce integrali prismatiche
Prismatic solid jaws (1 pair)

Da usare in coppia
To be used as a pair

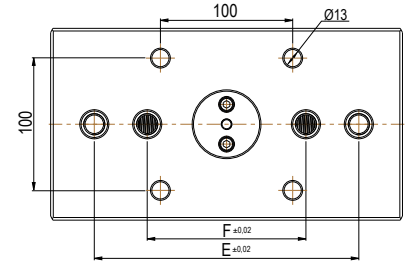
Ø	44 ÷ 68	48 ÷ 102
Cod.	7.65.5J316	7.65.5J326

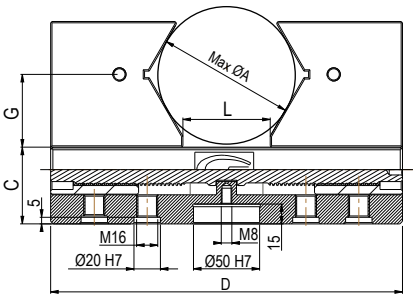
Dotazione standard:
- 1 chiave a pipa Art. 375 ■ 1 arresto laterale Art. 370
- 2 coppie di piastre Art. 655F (*Tot. 4 pezzi*)
- 1 coppia di piastre dolci Art. 655B
- 1 spina di orientamento Art. 79 ■ 1 perno di centraggio Art. 640P (*Indicare dimensione in fase di ordine*)

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



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 straight pin Art. 79 ■ 1 positioning pin Art. 640P (*Dimension to be advised at order*)

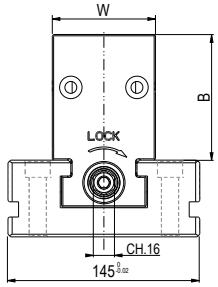




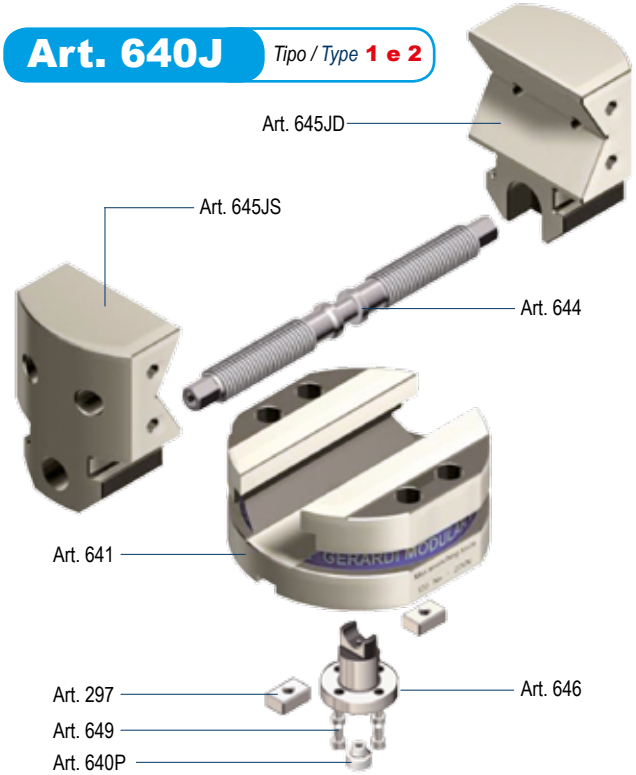
Art. 640J — Tipo / Type 3

Esempio di ordine: *Art. 640J tipo 3 x 266 (Spina di orientamento 16mm + Perno di centraggio 30mm)*

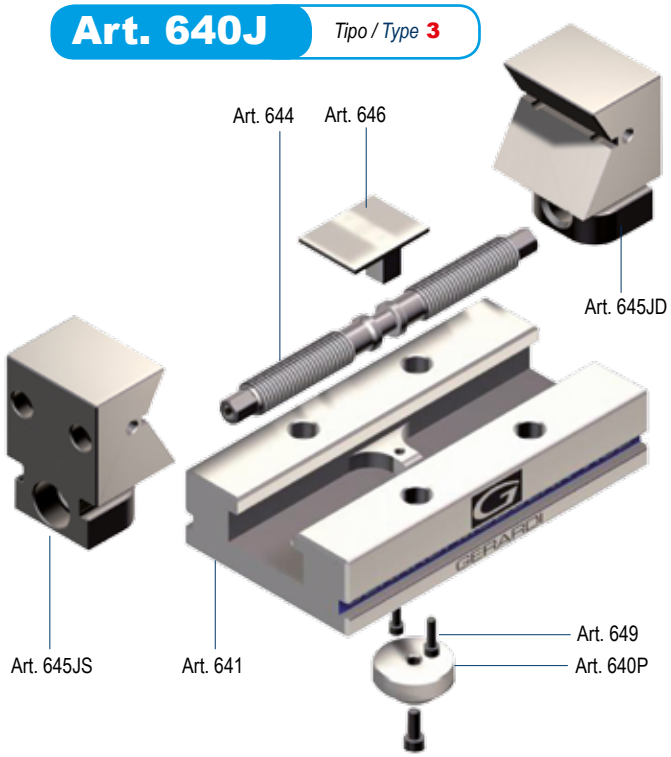
Example of order: *Art. 640J type 3 x 266 (Straight pin 16mm + Positioning pin 30mm)*



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



Art. 640J *Tipo / Type* 3



Tipo / Type		1	2
Art. 641 Corpo base / Base body	Cod.	6.64.11000	6.64.21000
Art. 644 Vite di bloccaggio / Main screw	Cod.	6.64.41000	6.64.42000
Art. 645JD * Ganascia integrale prismatica dx / Solid prismatic right jaw	Cod.	7.64.5JD10	7.64.5JD20
Art. 645JS * Ganascia integrale prismatica sx / Solid prismatic left jaw	Cod.	7.64.5JS10	7.64.5JS20
Art. 646 Forcella / Yoke	Cod.	6.64.61000	6.64.462000
Art. 649 VTCEI per forcella / Hex socked head crew for yoke	Cod.	6.64.91000	6.64.492000
Art. 640P Perno di posizionamento / Positioning pin	Cod.	6.64.0P100	6.64.0P200

Tipo / Type		3 x 166	3 x 266
Art. 641 Corpo base / Base body	Cod.	7.64.13166	7.64.13266
Art. 644 Vite di bloccaggio / Main screw	Cod.	7.64.43166	7.64.43266
Art. 645JD * Ganascia integrale prismatica dx / Solid prismatic right jaw	Cod.	7.64.5JD31	7.64.5JD32
Art. 645JS * Ganascia integrale prismatica sx / Solid prismatic left jaw	Cod.	7.64.5JS31	7.64.5JS32
Art. 646 Forcella / Yoke	Cod.	7.64.63166	7.64.63266
Art. 649 VTCEI per forcella / Hex socked head crew for yoke	Cod.	7.64.93000	
Art. 640P Perno di posizionamento / Positioning pin	Cod.	7.64.0P000	

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

DIAGRAMMI CON FORZE DI SERRAGGIO

GRUPPI DI SERRAGGIO MECCANICI

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

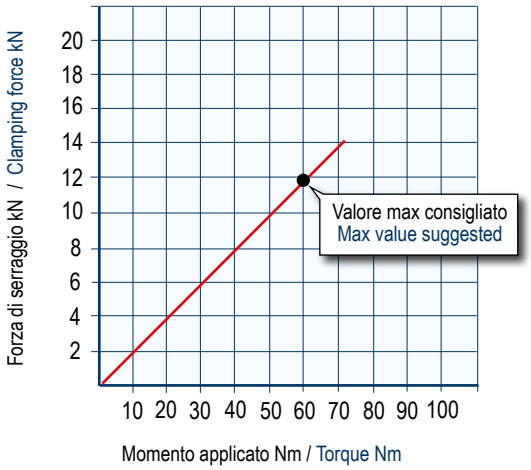
DIAGRAM WITH CLAMPING FORCE

MECHANICAL CLAMPING DEVICES

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

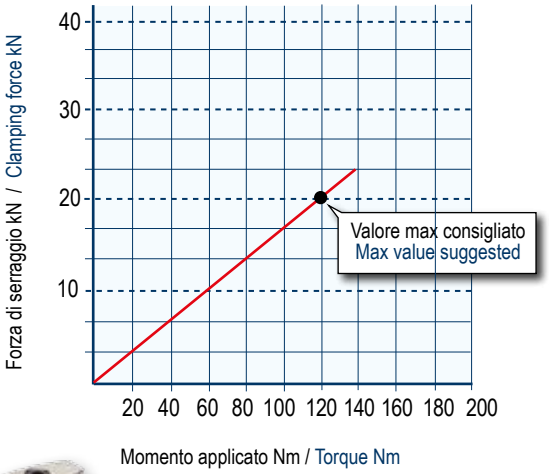
MORSE MULTITASKING TIPO 1
MULTITASKING VISES TYPE 1

Chiave dinamometrica BETA 610/10X
Torque wrench BETA 610/10X



MORSE MULTITASKING TIPO 2
MULTITASKING VISES TYPE 2

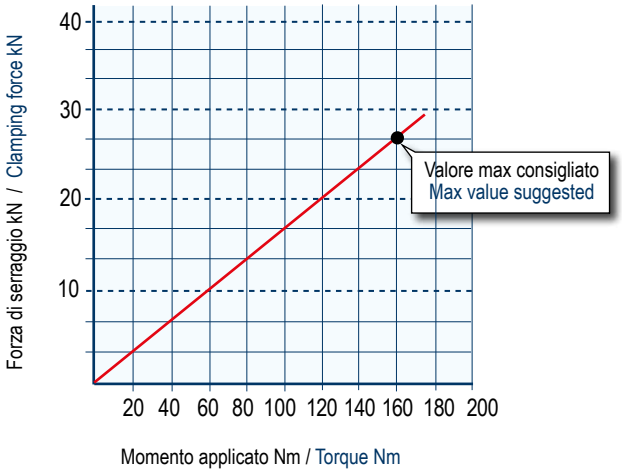
Chiave dinamometrica BETA 610/10X
Torque wrench BETA 610/10X



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

MORSE MULTITASKING TIPO 3
MULTITASKING VISES TYPE 3

Chiave dinamometrica BETA 610/10X
Torque wrench BETA 610/10X



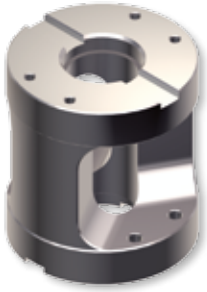
Art. 640 *Tipo / Type* **3**

NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico

Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.

Art. 641H *Tipo / Type* **1 e 2**

Distanziale semplice
Simple spacer

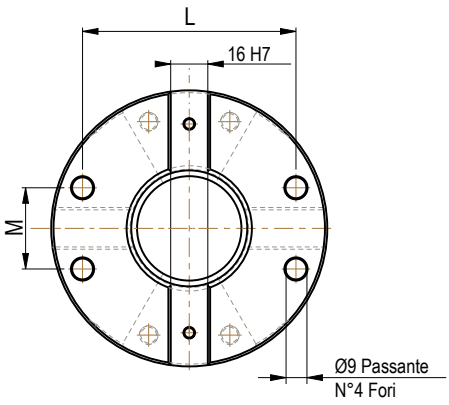


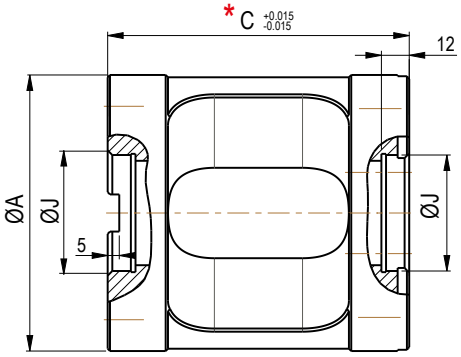
Tipo (grandezza) morsa / Vise (type) size	1	2
ØA	119	158
*C	130	130
L	92	120
M	35	35
ØJ	50 H7	50 H7
kg	6	10
Cod.	7.64.1H100	7.64.1H200

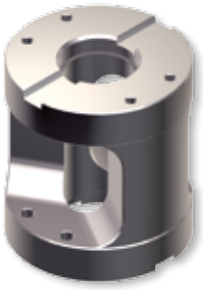
AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

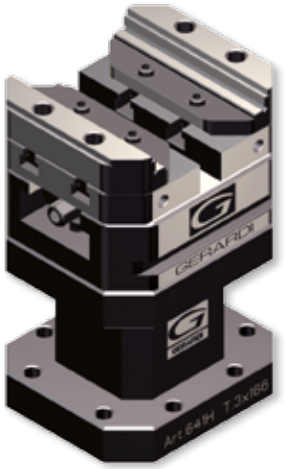
Dotazione standard:
■ 1 perno di centraggio Art. 640P
(*Indicare dimensione "J" in fase di ordine*)

Standard equipment:
■ 1 positioning pin Art. 640P
(*"J" dimension to be advised at order*)







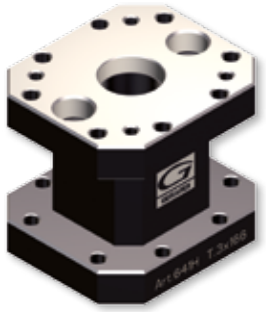


* Disponibili anche nelle altezze **50 / 75 / 100mm** - Also available height dimensions **50 / 75 / 100mm**

Tipo (grandezza) morsa / Vise (type) size	3
A	166
B	145
* C	145
D	120
E	120
L	140
L1	60
M	126
M1	70
ØJ	50 H7
kg	14
Cod.	7.64.1H3166

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

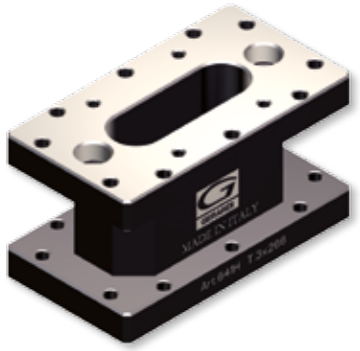
Distanziale semplice
Simple spacer



Tipo (grandezza) morsa / Vise (type) size	3
A	266
B	125
* C	145
D	200
E	200
L	240
L1	160
M	125
M1	80
ØJ	-
kg	21,5
Cod.	7.64.1H3266

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

Distanziale semplice
Simple spacer



UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

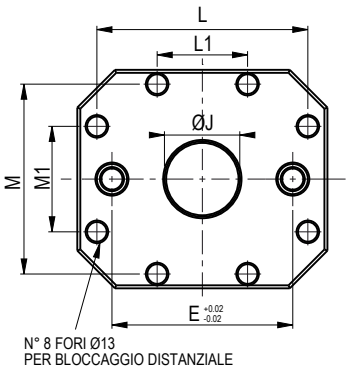
Dotazione standard:
- 1 spina di orientamento Art. 79
(*Indicare dimensione "E" in fase di ordine*)
- 1 perno di centraggio Art. 640P
(*Indicare dimensione "J" in fase di ordine*)

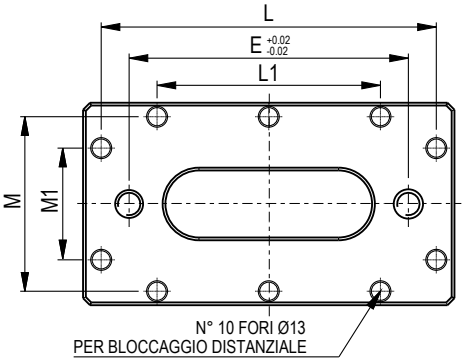
Standard equipment:
- 1 straight pin Art. 79
(*"E" dimension to be advised at order*)
- 1 positioning pin Art. 640P
(*"J" dimension to be advised at order*)

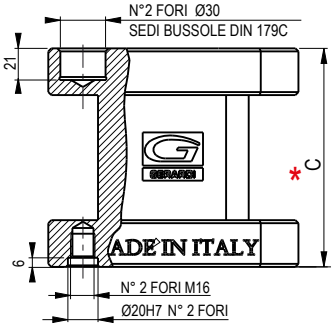
Dotazione standard:
- 1 spina di orientamento Art. 79
(*Indicare dimensione "E" in fase di ordine*)
- 1 perno di centraggio Art. 640P
(*Indicare dimensione "J" in fase di ordine*)

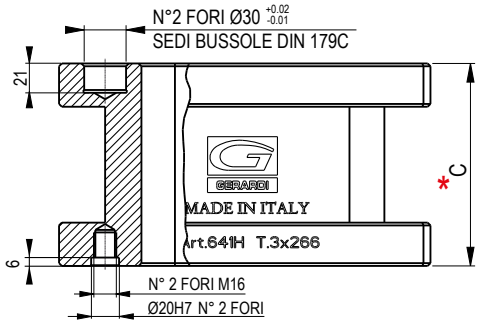
Standard equipment:
- 1 straight pin Art. 79
(*"E" dimension to be advised at order*)
- 1 positioning pin Art. 640P
(*"J" dimension to be advised at order*)

VISTA DA SOPRA - TOP VIEW

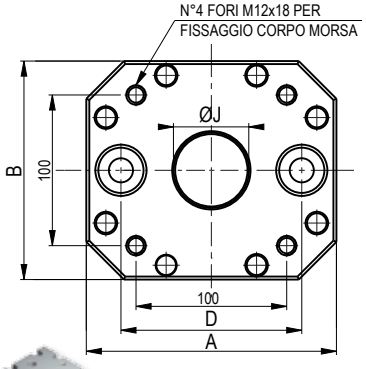


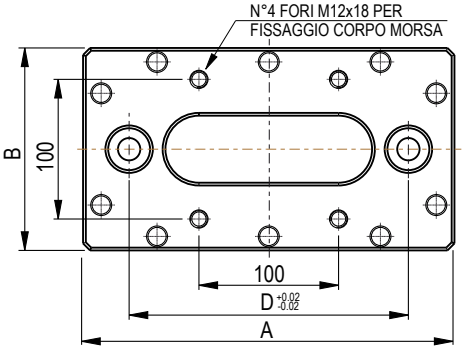


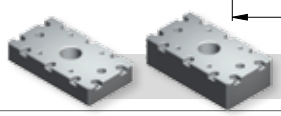




VISTA DA SOTTO - BOTTOM VIEW







* Disponibili anche nelle altezze **50 / 75 / 100mm** - Also available height dimensions **50 / 75 / 100mm**

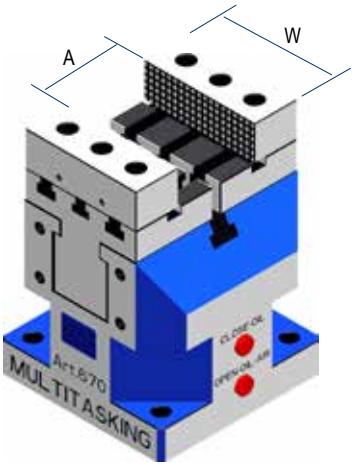
ASSERVIMENTO INTERLOCK / OPERATED

Art. 670

Azionamento manuale
Serraggio meccanico

Manual operation
Mechanical clamping

(*) Usare solo avvitatori pneumatici con frizione regolabile
Use only pneumatic tools with adjustable clutch



A	88
W	130
B	40
C	190
D	32
E	50
F	8,8
G	16H7
H	150
kg	40

Art. 670ME

MANUALE con chiave dinamometrica Art.357
Avvitatore pneumatico EXTRA (*)

MANUAL
Pneumatic screw EXTRA (*)

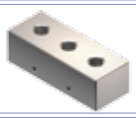
Serraggio Clamping	**MECCANICO** **MECHANICAL**
Apertura Opening	**MANUALE** **MANUAL**
Forza di serraggio Clamping force	**40 - 50 kN**
Cod.	6.67.0ME20

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 745B
Ganascia dolce
Soft jaw

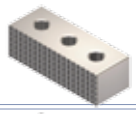
Cod. 7.74.5B200

Art. 745C
Ganascia liscia
Smooth jaw



Cod. 7.74.5C200

Art. 745D
Ganascia zigrinata
Serrated jaw



Cod. 7.74.5D200

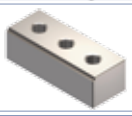
Art. 745E
Ganascia a gradino
Step jaw

Cod. 7.74.5E200

Art. 745F
Ganascia prismatica
Prismatic jaw

Cod. 7.74.5F200

Art. 745T
Ganascia ***GRIP***
GRIP jaw



Cod. 7.74.5T200

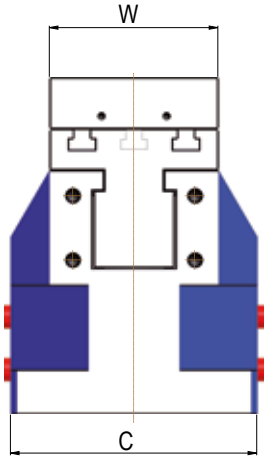
Art. 745J
Ganascia integrale
Solid jaw

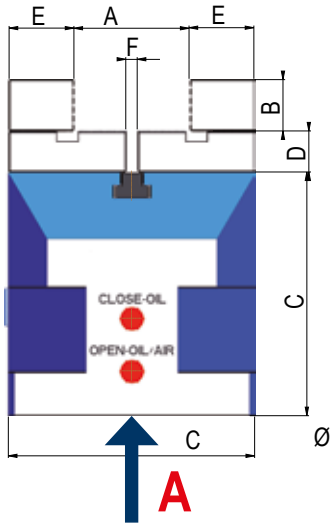
Cod. 7.74.5J200

Art. 670ME

Dotazione standard:
- 1 chiave dinamometrica digitale a cricchetto e bussola Art. 357
- N. 4 viti calibrate a colletto Art. 83B

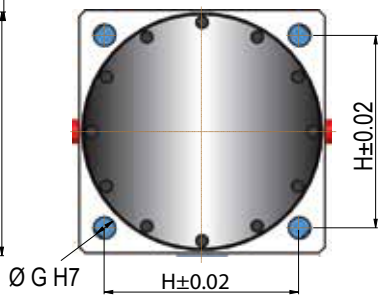
Standard equipment:
- 1 torque wrench digital ratchet type with hexagon
- N. 4 schoulder calibrated screw Art. 83B





Esempio di ordine: Art. 670MO
Example of order: Art. 670MO

(Vista da "A"/ Show from "A")



Art. 670MO	Art. 670ID	Art. 670PN
MECCANICO / IDRAULICO Centralina EXTRA **MACHANICAL / HYDRAULIC** Power unit EXTRA	**IDRAULICO** Centralina EXTRA **HYDRAULIC** Power unit EXTRA	**PNEUMATICO (7 bar)** **PNEUMATIC (7 bar)** Moltiplicatore aria 2:1 EXTRA (Booster)*
Serraggio / Clamping: **MECCANICO A MOLLA / MECHANICAL with SPRING**	Serraggio / Clamping: **IDRAULICO / HYDRAULIC**	Serraggio / Clamping: **PNEUMATICO / PNEUMATIC**
Apertura / Opening: **IDRAULICA / HYDRAULIC**	Apertura / Opening: **IDRAULICA / HYDRAULIC**	Apertura / Opening: **PNEUMATICA / PNEUMATIC**
Forza di serraggio / Clamping force: **20 - 30 kN**	Forza di serraggio / Clamping force: **40 - 50 kN**	Forza di serraggio / Clamping force: **10 - 12 kN** **20 - 24 kN** (Booster)*
6.67.0MO20	6.67.0ID20	6.67.0PN20

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

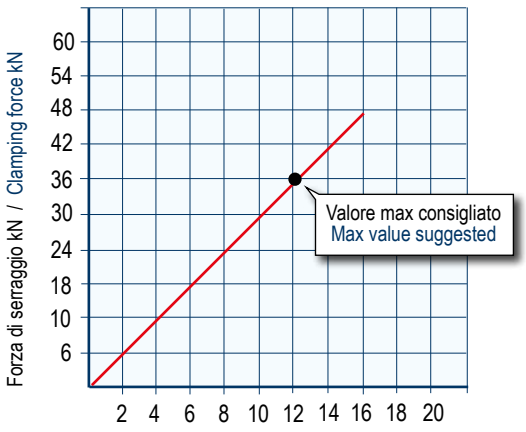
DIAGRAMMI CON FORZE DI SERRAGGIO

I diagrammi seguenti consentono di determinare le forze di serraggio

DIAGRAM WITH CLAMPING FORCE

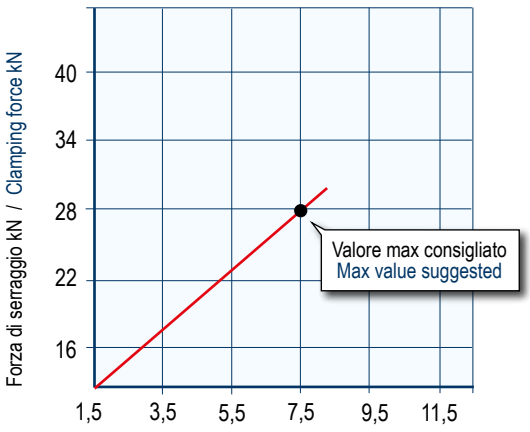
The following diagrams give the clamping force

Art. 670ME



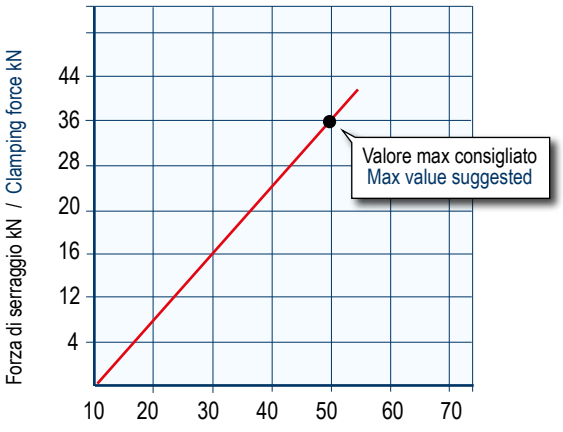
Chiave dinamometrica BETA 610/10X
Torque wrench BETA 610/10X
Momento applicato Nm / Torque Nm

Art. 670M0



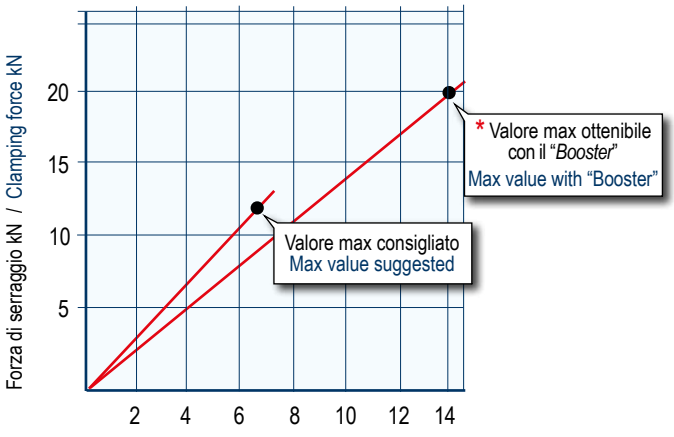
Precarico molle mm / Spring preload mm

Art. 670ID



Pressione entrata olio - bar / Oil inlet pressure - bar

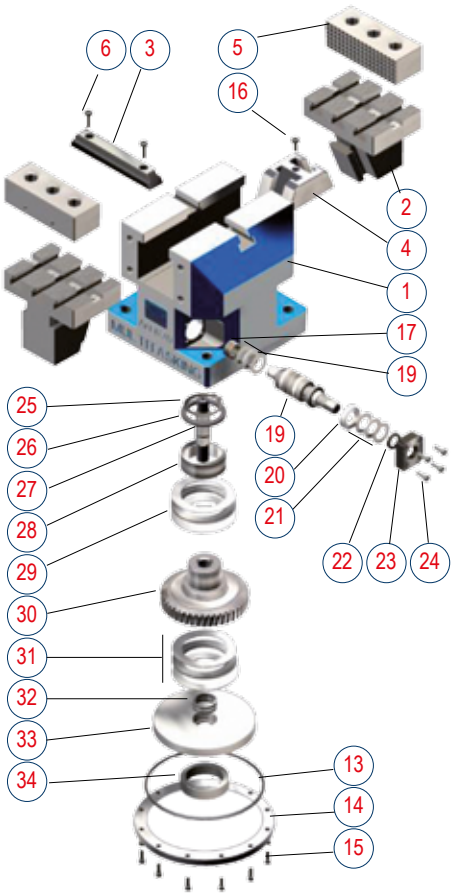
Art. 670PN



Pressione entrata aria - bar / Air inlet pressure - bar

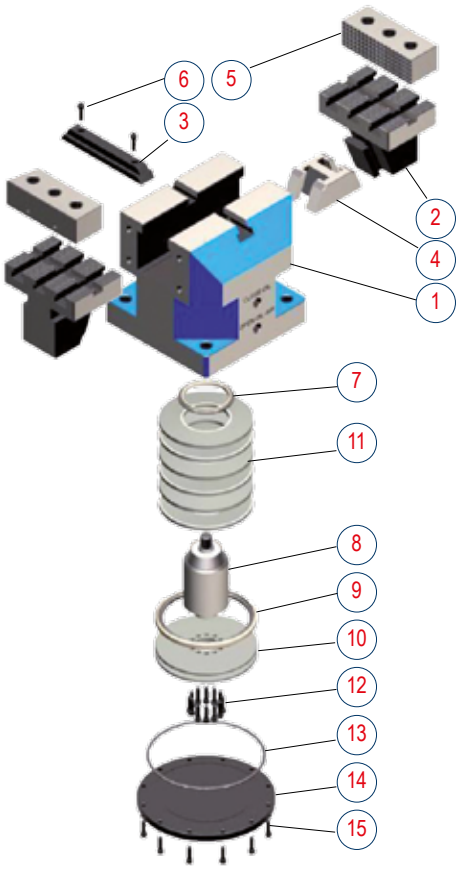
Art. 670ME

Serraggio meccanico - Apertura manuale
Mechanical clamping - Manual opening



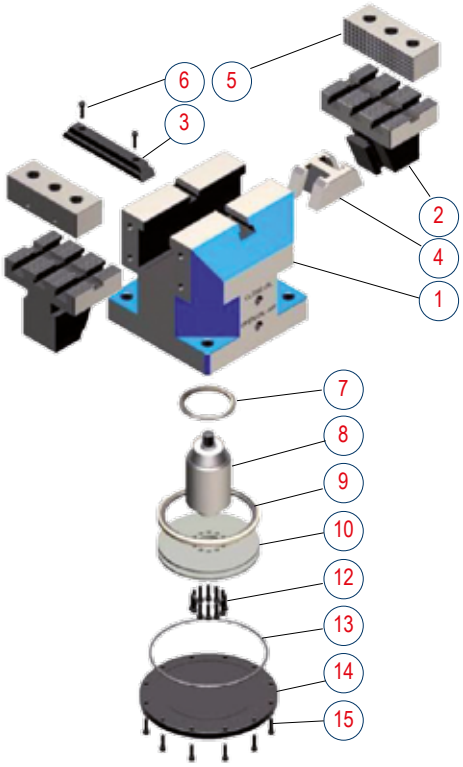
Art. 670MO

Serraggio meccanico a molla - Apertura idraulica
Mechanical clamping with spring - Hydraulic opening



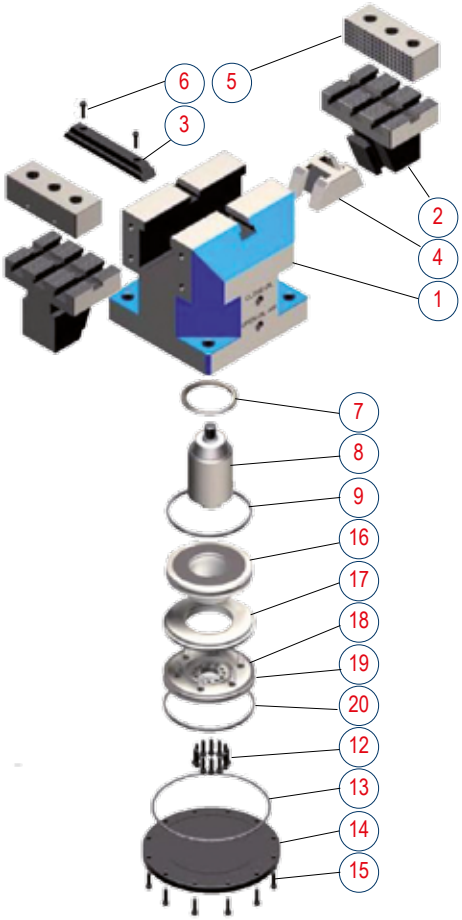
Art. 670ID

Serraggio idraulico - Apertura idraulica
Hydraulic clamping - Hydraulic opening



Art. 670PN

Serraggio pneumatico - Apertura pneumatica
Pneumatic clamping - Pneumatic opening



Per ordinare un pezzo di ricambio è sufficiente indicare l'articolo seguito dal relativo numero di riferimento. Esempio: Art. 670ID / (9)

To order a spare part please indicate the article followed by the corresponding number. Example: Art. 670ID / (9)