

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 7.34 / 7.35



Cod.	9.66.05200
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Art. 950B

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

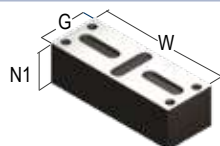

Cod.	7.95.0B2000
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Art. 950C

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


Cod.	7.95.0C2000
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Art. 950D

 Ganasce lavorabile in acciaio
 Machineable steel jaw


Cod.	7.95.0D2000
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Dotazione standard:

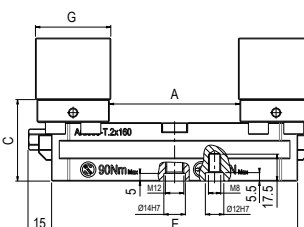
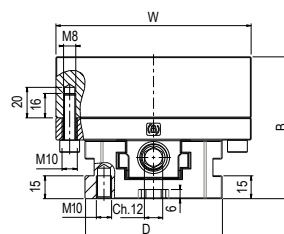
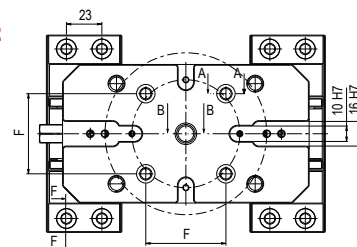
- 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G cava a T 16 mm
- 1 Art. 650F piastra di bloccaggio slitta

Art. 950


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 T slot 16 mm ■
- 1 Art. 650F slide locking plate

Art. 950

 Tipo / Type **2**


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

Tipo / Type **3x360**

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

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

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

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

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

Tipo / Type **3**

Rialzo Semplice
Simple Riser

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

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

Art. 660

Interasse / Type **96 mm**

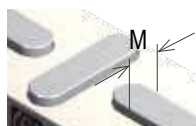
Tavola Quick change
Quick change table

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



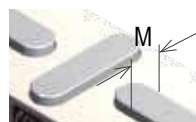
Cod.	9.66.09600				
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Art. 950B

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


Cod.	7.95.0B3000				
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Art. 950C

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


Cod.	7.95.0C3000				
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Art. 950D

Ganaschia lavorabile in acciaio
Machineable steel jaw


Cod.	7.95.0D3000				
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Dotazione standard:

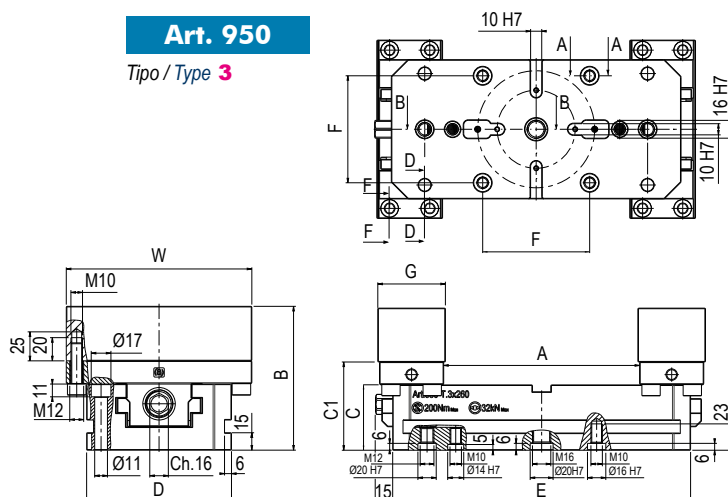
- 1 chiave a pipa Art.375 ■ 1 arresto laterale Art.370EM ■ 1 coppia di tasselli per regolazione autocentrante Art. 297 ■ 2 tasselli di posizionamento Art.650G cava a T 16 mm
- 1 Art. 650F piastra di bloccaggio slitta

Art. 950

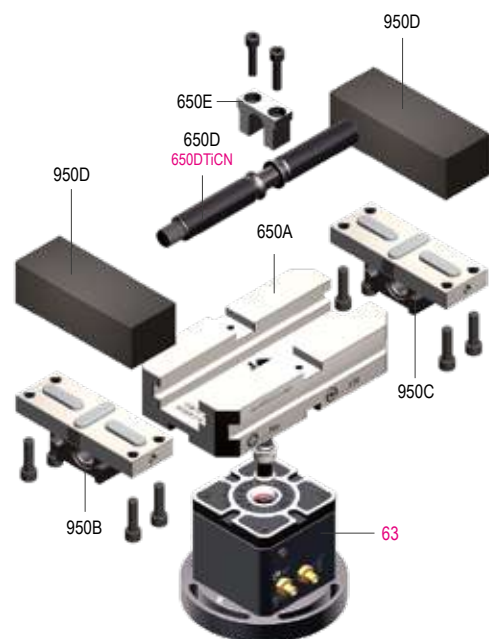

Standard equipment:

- 1 box wrench Art.375 ■ 1 workshop Art.370EM ■ 1 pair of self-centering key-nuts Art. 297
- 2 positioning key-nuts Art.650G T slot 16 mm ■ 1 calibrated centering and orientation pin Art.79 Ø16
- 1 Art. 650F slide locking plate

Art. 950

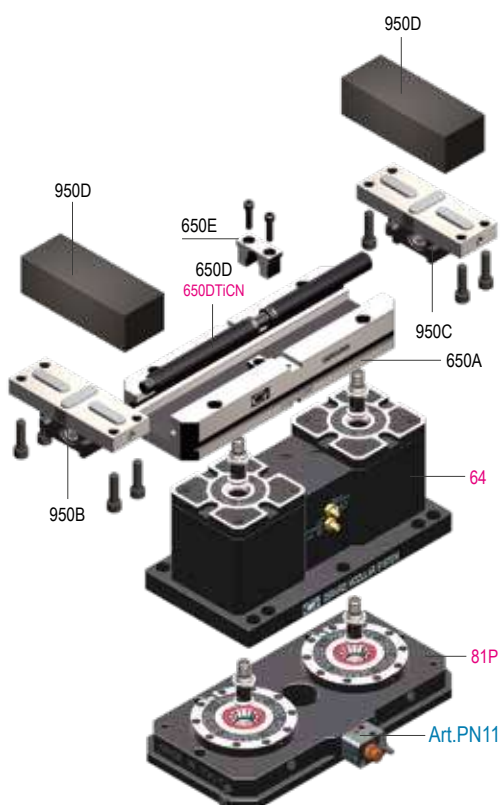
Tipo / Type **3**


Art. 950

Tipo / Type **2**


Tipo / Type 2	2x120	2x160	2x200	2x240
Art. 650A Corpo base - Base body	Cod. 7.65.0A2120	7.65.0A2160	7.65.0A2200	7.65.0A2240
Art. 950B Ganascia integrale destra Solid jaw right hand	Cod.	7.95.0B2000		
Art. 950C Ganascia integrale sinistra Solid jaw left hand	Cod.	7.95.0C2000		
Art. 650D Vite di bloccaggio - Main screw	Cod. 7.65.0D2120	7.65.0D2160	7.65.0D2200	7.65.0D2240
Art.650DTiCN (Optional) Vite di bloccaggio a scorrimento rapido con rivestimento anti-usura TiCN Quick-slide clamping screw with anti-wear coating TiCN	Cod. 7.65.0D2120 -TCN	7.65.0D2160 -TCN	7.65.0D2200 -TCN	7.65.0D2240 -TCN
Art. 650E Forcella - Yoke	Cod.	7.65.0E2000		
Art. 950D Ganascia lavorabile in acciaio Machineable steel jaw	Cod.	7.95.0D2000		
Tipo / Type	1	2		
Art. 63 (Optional) Rialzo singolo con Zero Point Risers with ZeroPoint	Cod. 9.63.10000	9.63.20000		

Art. 950

Tipo / Type **3**


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

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

Piastra ZeroPoint, montaggio incassato - ZeroPoint Plates, built-in mounting			
Art. 81P (Optional)		Acciaio Steel	Alluminio Aluminum
Piastra di interfaccia Zero Point per morse CompactGrip tipo 3			
	Cod.	9.81.P2040S2	9.81.P2040A2
Zero Point connecting plate for CompactGrip vise Type 3			
Non utilizzabile con morse tipo 3x160 / 3x210 - Impossible to use with vises type 3x160 / 3x210			

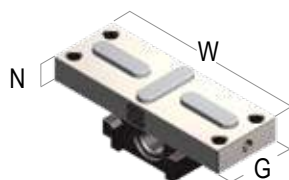
ACCESSORI PER MORSE COMPACT GRIP Art.950

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

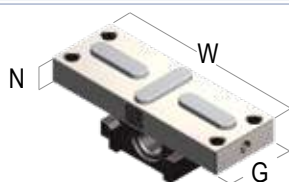
Slitta **DESTRA** con chiavette
 Solid hardened slide **RIGHT HAND**
 with positioning key nuts



N	15	20
Cod.	7.95.0B2000	7.95.0B3000

Art. 950C

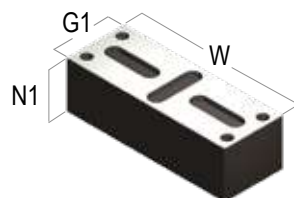
Slitta **SINISTRA** con chiavette
 Solid hardened slide **LEFT HAND**
 with positioning key nuts



N	15	20
Cod.	7.95.0C2000	7.95.0C3000

Art. 950D*

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

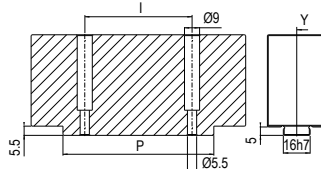
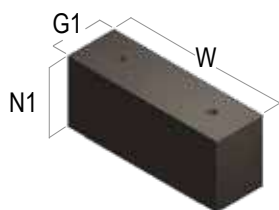


N1	30	47
Cod.	7.95.0D2000	7.95.0D3000

* Viti per fissaggio a richiesta
 Fixing screws on request

Art. 950X*

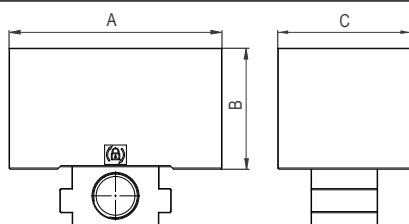
Ganascia fissa intermedia
 lavorabile in acciaio
 Intermediate machineable
 steel fixed jaw



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

* Viti per fissaggio a richiesta
 Fixing screws on request

Tipo (grandezza) / Type (size)



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

Art. 650BM

Ganascia lavorabile
 filetto destro
 Soft machineable jaw
 right thread



Cod. 7.65.0BM10 7.65.0BM20



7.65.0BM30

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

Art. 650CM

Ganascia lavorabile
 filetto sinistro
 Soft machineable jaw
 left thread



Cod. 7.65.0CM10 7.65.0CM20



7.65.0CM30

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

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

Art.650 / Art.950 COMPACT GRIP VISES ACCESSORIES

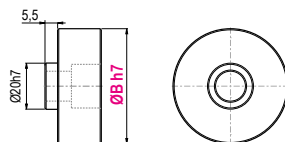
Tipo (grandezza) / Type (size)
1
2
3

Art. 370EM

 Arresto laterale magnetico
Magnetic workstop

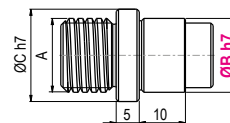

Cod. 7.37.01000/EM 7.37.02000/EM

Art. 640P

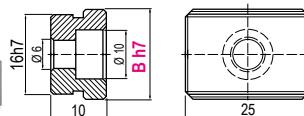
 Perno calibrato per centraggio
Calibrated centering pin

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

* Specificare sempre quota B - Specify always B dimension

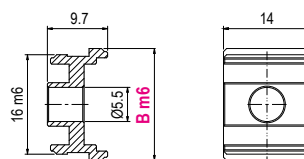
Art. 79

 Perno calibrato per centraggio e orientamento
Calibrated centering and orientation pin

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

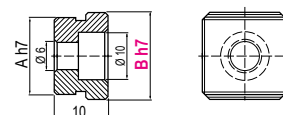
Art. 297

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

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

Art. 297X

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

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

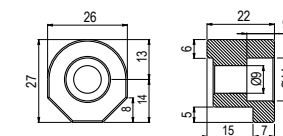
Art. 650G

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


Specificare sempre quota B - Specify always B dimension

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

Art. 298 / CGR

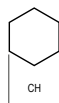
 Staffa per Compact Grip
Compact Grip holding clamp


Cod. 7.29.81000/CGR

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

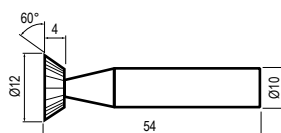
CH	B	CH	B	CH	B
10	160	12	160	16	250

Art.375

 Chiave a pipa
Box wrench


Cod. 4.37.510160 4.37.512160 4.37.516250

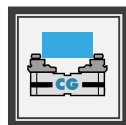
Art. 690DTF

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

 Ø12
 Cod. 7.69.0DTF10

MORSE COMPACT GRIP

COMPACT GRIP VISES

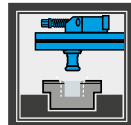
Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



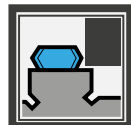
Morse Compact Grip
Compact Grip vises



lavorazioni a 5 assi
5 axis machining



Predisposizione
Zero Point
Zero Point ready



Inserti GRIP
GRIP inserts



Art.650 Compact Grip

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

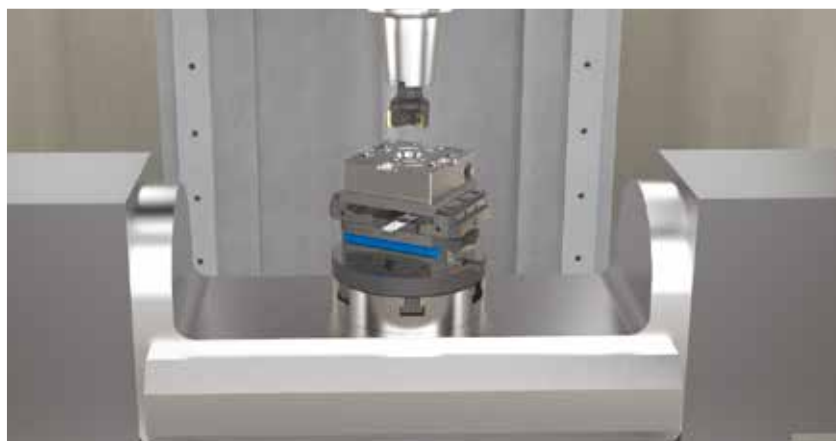
The absolute news for 5 axis machine centres and new multiclamping system are the self-centering Compact Grip vises. Their name identifies the main vise features which are the extreme compactness and easiest handling and the system of inserts which adopts, so called "GRIP". This system includes a range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



Aperture Morse / Opening vise range

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

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



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



Dettaglio Inserto Grip.
Insert Grip detail.

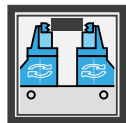


Tramite il gradino liscio della ganascia si rimuove il sovrametallo rimanente e si finisce il particolare.
Then through the smooth jaw step you can remove the remaining stock allowance from the workpiece and finish the workpiece.

MORSE FMS

FMS VISES

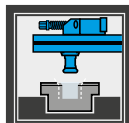
Esempi applicativi su centri a 5 assi - Application example on 5 axis machine



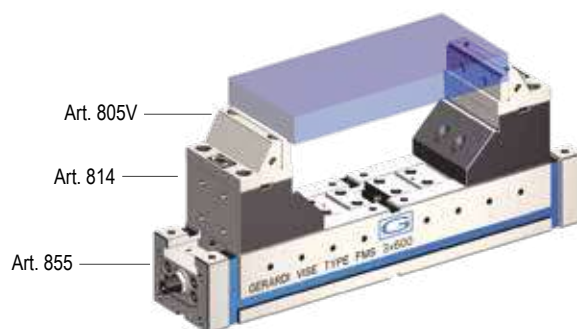
Ganasce alte e rialzate
High and raised jaws



lavorazioni a 5 assi
5 axis machining



Predisposizione
Zero Point
Zero Point ready



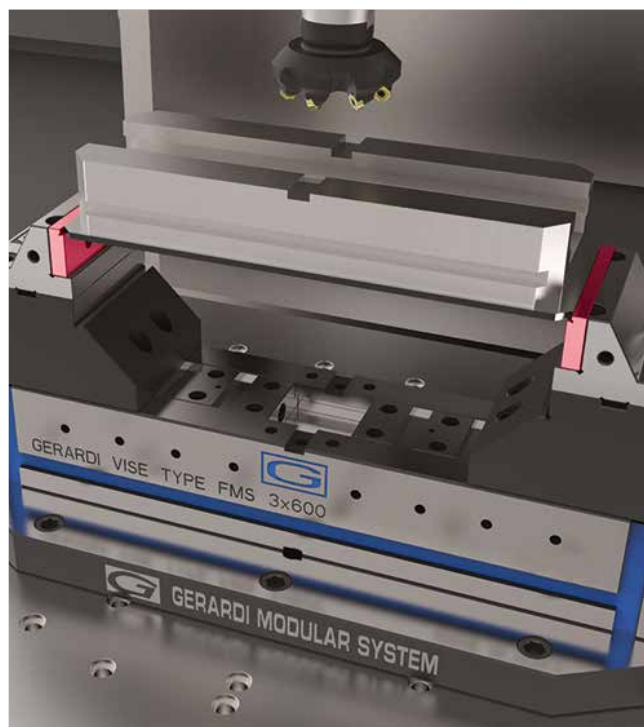
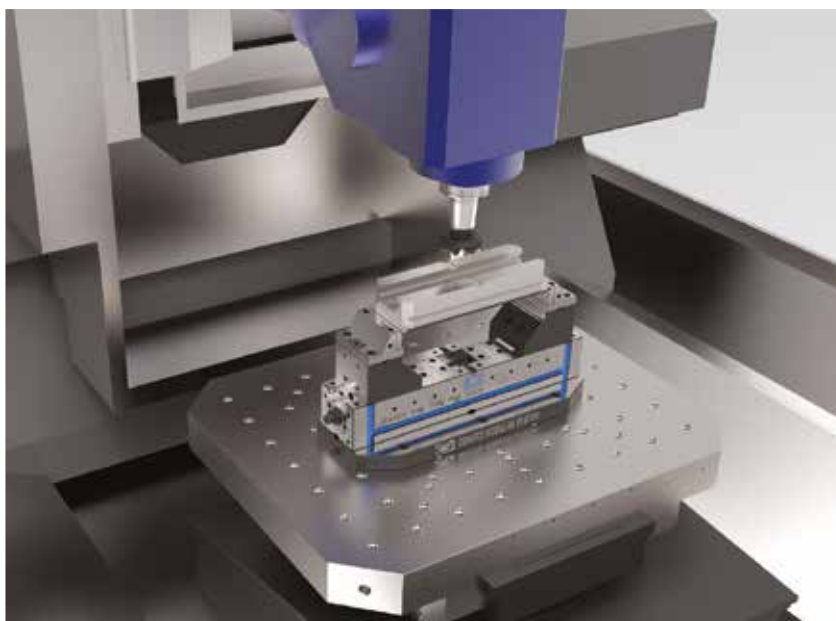
Art.868 FMS series

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

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

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

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



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



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

Staffe di ancoraggio / Vise holding clamps

**NEW
2024**

CompactGrip

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

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

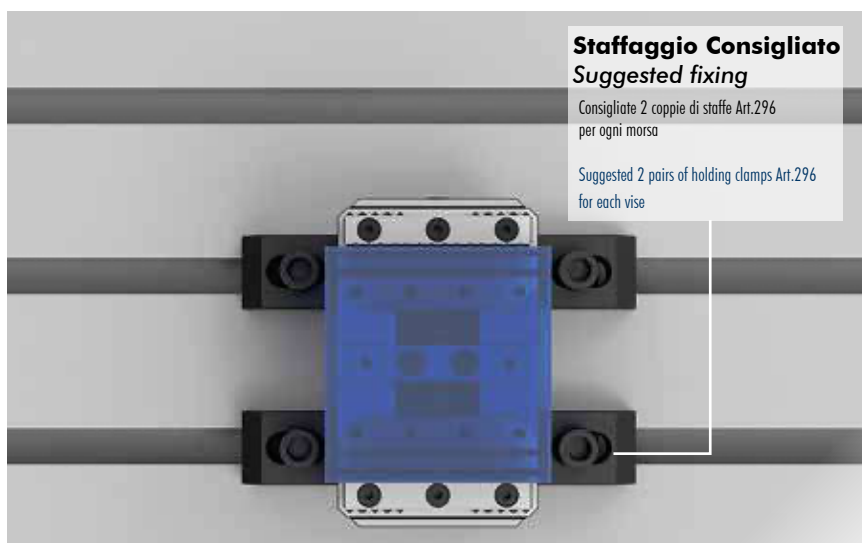


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm

Oppure con codice: 2.29.6100 X=18mm

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

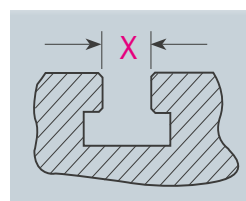
Also with code: 2.29.6100 X=18mm



Staffaggio Consigliato Suggested fixing

Consigliate 2 coppie di staffe Art.296
per ogni morsa

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

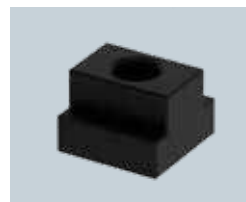


Cava a T

T Slot

Specificare sempre la cava
della vostra macchina

Always specify the
machine T-slot dimension

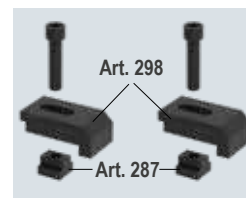


Art.287 (Pag.4.34)

Dadi a T - T Nuts

Per fissaggio morse alle
cave a T della macchina

For vise clamping on the
machine T-slots



Art.296

(Art.298 + Art.287)

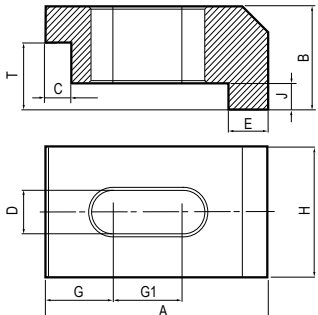
Consigliate 2 coppie di staffe Art.296
per ogni morsa

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

Art.298/CGR

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



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

* Scelta consigliata - Suggested choice

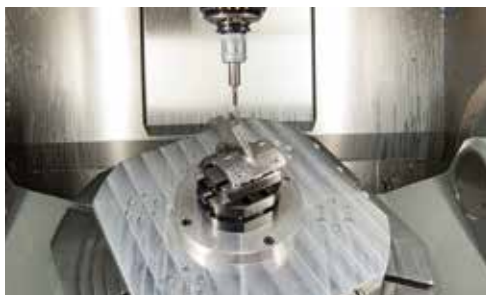
* Scelta NON consigliata - NO Suggested choice

Soluzioni personalizzate / Customized solutions

4th & 5th Axis

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

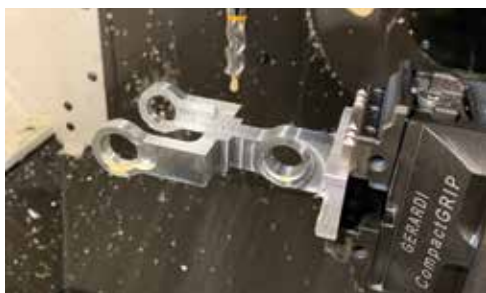


Morsa Multitasking su centro a 5 assi

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

VALIGETTA DI CAMPIONATURA COMPACT GRIP

SAMPLE KIT CASE COMPACT GRIP

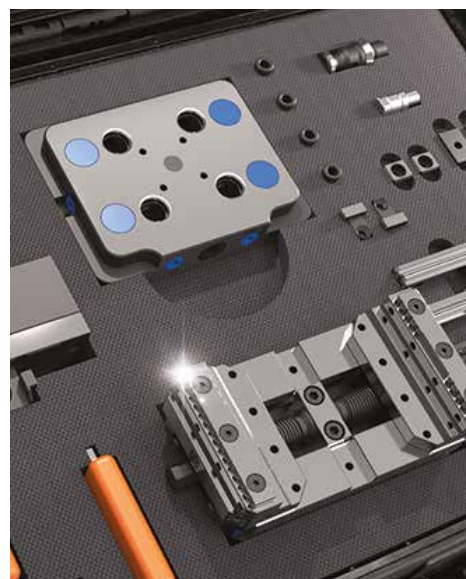
Art. 986



Morsa / Vise Art. 650

Cod. 0.98.60000

Art. 650 - All'Interno - Inside:



SIMBOLOGIA DATI TECNICI

TECHNICAL DATA ICONS

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

OPZIONI LAVORAZIONI EXTRA

OPTIONS FOR EXTRA MACHINING

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

Lavorazione extra Extra machining	Cod.	Lavorazione extra Extra machining	Cod.
AGGIUNTA di un foro calibrato ADDITION of a calibrated hole	MAN-010-FMS	MONTAGGIO SEMPLICE SIMPLE ASSEMBLY	MAN-060-FMS
AGGIUNTA di una chiave calibrata ADDITION of a calibrated key-way	MAN-020-FMS	MONTAGGIO ed ALLINEAMENTO (Standard) (Standard) ASSEMBLY and ALIGNMENT	MAN-070-FMS
PREDISPOSIZIONE SEMPLICE SIMPLE SET UP	MAN-030-FMS	MONTAGGIO VERTICALE COMPLETE VERTICAL ASSEMBLY	MAN-080-FMS
PREDISPOSIZIONE & MONTAGGIO COMPLETO COMPLETE SET UP & MOUNTING	MAN-040-FMS	ALLINEAMENTO e CONTROLLO tramite DEA ALIGNMENT and CONTROL by DEA \ CMM	MAN-090-FMS
MONTAGGIO PARZIALE PARTIAL ASSEMBLY	MAN-050-FMS	TABULATO controllo DEA PRINTOUT DEA control	MAN-100-FMS

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