



*The perfect mix!
Price, Quality, Versatility*

STD - StandardFLEX - OK

Morse e Cubi / Vises & Vise Towers

1

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VALIGETTA DI CAMPIONATURA STD / StdFLEX

SAMPLE KIT CASE STD / StdFLEX



Art. 981

Valigetta di campionatura
morsa Art.1
Sample kit case Art.1 vise

Morsa / Vise Art. 1

Cod. 0.98.10000



Art. 1 - All'Interno - Inside:

 Art.132	 Art.313	 Art.298	 Art.147	 Art.283	 Art.376
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Art. 985

Valigetta di campionatura
morsa Art.1A
Sample kit case Art.1A vise

Morsa / Vise Art. 1A

Cod. 0.98.50000

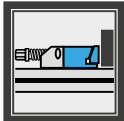
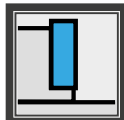
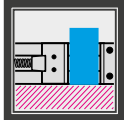
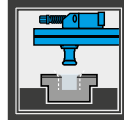
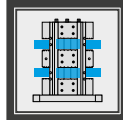
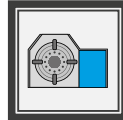
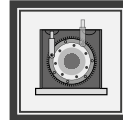
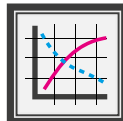


Art. 1A - All'Interno - Inside:

 Art.138	 Art.212	 Art.230B	 Art.230C	 Art.230D	 Art.230E
 Art.230F	 Art.230G	 Art.230H	 Art.230M	 Art.313	 Art.314
 Art.271	 Art.297	 Art.298	 Art.370	 Art.375	 Art.376

SIMBOLOGIA DATI TECNICI

TECHNICAL DATA ICONS

GANASCE JAWS						
	Fissa Fixed	Mobile Movable	Intermedia Intermediate	Fissa con piastra singola Fixed with single plate	Fissa con piastra doppia Fixed with double plate	Ganasce sovrapponibili Stack Type Jaws
PIASTRE JAW PLATES						
		Discendente Pull down	Piana Straight	Cambio rapido manuale Quick manual change StandardFLEX	GRIP integrale integral GRIP	Inseri GRIP GRIP Inserts
POSSIBILITÀ POSSIBILITY						
		Montaggio sul fianco o in serie Side mounting or gang operation	Predisposizione Zero Point Zero Point ready	Cubi-morsa Vise tower	Divisore Automatico Automatic dividing head	Divisore Meccanico Mechanical dividing head
PAGINE PAGES						
			Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use	Diagrammi forze di serraggio Clamping force diagrams	Sistema Idraulico Hydraulic System

Morse e Cubi / Vises & Vise Towers

STANDARD

La morsa più diffusa al mondo!

The most popular and copied vise in the world!



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



Durezza / Hardened
HRC 58 $\pm$ 2

USURA INESISTENTE / NO WEAR

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. Costruzione completamente in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 58 $\pm$ 2 HRC. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo **5 ANNI DI GARANZIA** su tutto il programma morse e organi meccanici in genere.

Thanks to the manufacturing with only the most suitable materials and to the structure of the vise components (developed using computer customised softwares and the experience gained during many years spent working on the specific field). High alloyed quality resistance steel, case hardened HRC 58 $\pm$ 2, is used in manufacturing all the Gerardi vises and accessories in order to give maximum rigidity, high performances and no wear. As evidence we give **5 YEARS WARRANTY** on all the vises and mechanical components.

MODULARITÀ / MODULARITY

Tutte le morse ed accessori sono elementi componibili, intercambiabili e perfettamente allineabili fra loro e con i quali è possibile ottenere differenti soluzioni di bloccaggio. Secondo tale principio l'unico elemento che differenzia le attrezzature con identica larghezza di presa è la base (la cui lunghezza determina la massima apertura della morsa), mentre gli altri componenti sono identici. Mediante l'aggiunta o semplice sostituzione di alcuni particolari si può variare la tipologia di bloccaggio secondo le proprie esigenze utilizzando la stessa attrezzatura acquistata in un primo momento (bloccaggi singoli, con base girevole, doppi, verticali, di pezzi piani, tondi, piatti e grezzi, manuali, idraulici o pneumatici).

All vises and accessories are modular and components of all our vises will interchange with perfect alignment to provide different workholding solutions. With this basic principle the only difference between fixtures with the same width of clamping is the base (whose length determines the maximum opening of the vise), while the rest of components have same dimensions. Through the simple addition or substitution of some particulars You can change the type of clamping as Your needs require using the same fixture purchased before (single clamping, swivel base, double, vertical, smooth or round or flat or rough workpieces, manual, hydraulic or pneumatic).

DESIGN COMPATTO / SPACE SAVING DESIGN

La semplicità nonché la compattezza costruttiva consentono un'apertura notevole rispetto all'ingombro totale dell'attrezzatura. Inoltre lo stesso peso (solo 25 kg per una morsa da 150 mm di larghezza ganasce) è tale da consentire un facile trasferimento da una macchina all'altra.

The space saving design and solid construction allow a maximum blocking ratio to total overall dimension of the vise. Furthermore the weight (only 25 kg for a 150 mm jaw width vise) allows a simple moving from one machine to another.

SERRAGGI RAPIDI / QUICK CLAMPING

Grazie allo scorrimento del gruppo di serraggio nella guida della base (a cremagliera) fino in prossimità del pezzo da lavorare dove si adatterà automaticamente alla nicchia più vicina. L'operazione di serraggio si conclude agendo sulla vite di bloccaggio. Oltre a quello manuale meccanico, sono disponibili 4 ulteriori sistemi di serraggio intercambiabili e indipendenti: 1 - Idraulici / 2 - Pneumatici / 3 - Idraulici manuali / 4 - Idraulici elettrici. L'operazione è in termini di secondi.

Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1 - Hydraulic / 2 - Pneumatic / 3 - Manual hydraulic / 4 - Electrical hydraulic. The change needs only few seconds.

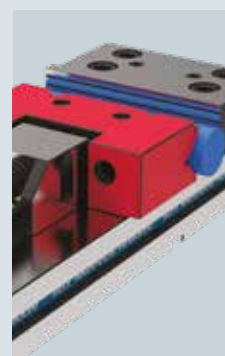
Ganascia monoblocco Solid guided jaw



Entrambe le ganasce sono costruite in corpo unico (non esistono slitte o tasselli di fissaggio) per garantire una maggiore rigidità e nessuna flessione. Entrambe le piastre ganasce sono costruite con un **angolo di spinta verso il basso**. Ciò assicura, nel momento della chiusura, una trazione del pezzo contro la base della morsa (per trascinamento) e di conseguenza un bloccaggio sicuro e preciso.

Both jaws bodies are built in one solid piece (no slides or key-nuts): in order to guarantee higher rigidity & no bendings. Both jaw plates are manufactured with a **pull down angle**. This ensures, during the clamping operation, a downward run of the workpiece against the vise base (by dragging) and thus a precise and safety clamping.

Ganascia prismatica Prismatic jaw



La ganascia prismatica Art.217 consente il serraggio e la lavorazione di particolari tondi in orizzontale e in verticale oppure il serraggio rialzato di particolari tramite il gradino.

The prismatic jaw Art.217 allows the clamping and machining of vertical and horizontal round workpieces or to clamp raised workpieces for drilled through on the step

Fori filettati per sovraganascia Threated holes for stack type jaw

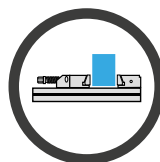


Quattro fori filettati supplementari sopra le ganasce danno la possibilità di installare ganasce sovrapponibili per applicazioni speciali.

4 extra tapped holes over the jaws for special Gerardi stack type jaw application

La morsa componibile **GERARDI** è costruita con il concetto di intercambiabilità di tutti gli elementi componenti l'attrezzatura e con la certezza di poter usare più morse sulla stessa macchina con posizionamento ed allineamento perfetto in pochi secondi. Tutto ciò è possibile per l'elevato grado di precisione della morsa stessa ed in particolare per quanto riguarda: l'altezza della base, l'allineamento con tasselli di cava longitudinale rispetto alla ganascia fissa, la perpendicolarità della ganascia fissa rispetto alla base ed il parallelismo dei piani della base. Tali caratteristiche consentono di risolvere più svariati e complicati problemi di fissaggio in pochi istanti con l'uso di più morse.

All GERARDI vises and accessories are modular and components of all our vises will interchange with perfect alignment. The vises can be matched side to side with the highest precision and minimum of set up times thanks to many fixed reference points. All this is possible thanks to the high precision of the vise particularly as regards: the base high, the alignment with longitudinal key-nuts with respect to the fixed jaw, the perpendicularity of the fixed jaw with respect to the vise base and the parallelism of the base top and bottom surfaces. Those features allows us to solve the most varied and complicated problems of clamping in a few seconds with the use of more vises.



SCAN IT TO WATCH THE



VIDEO PRESENTATION



Il trionfo perfetto!
Convenienza, Qualità, Versatilità

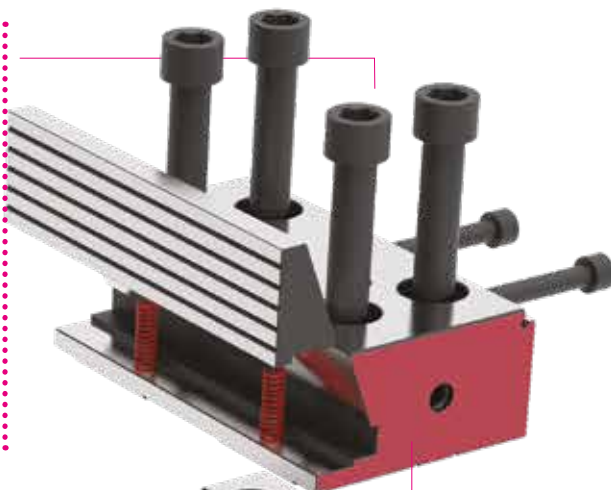
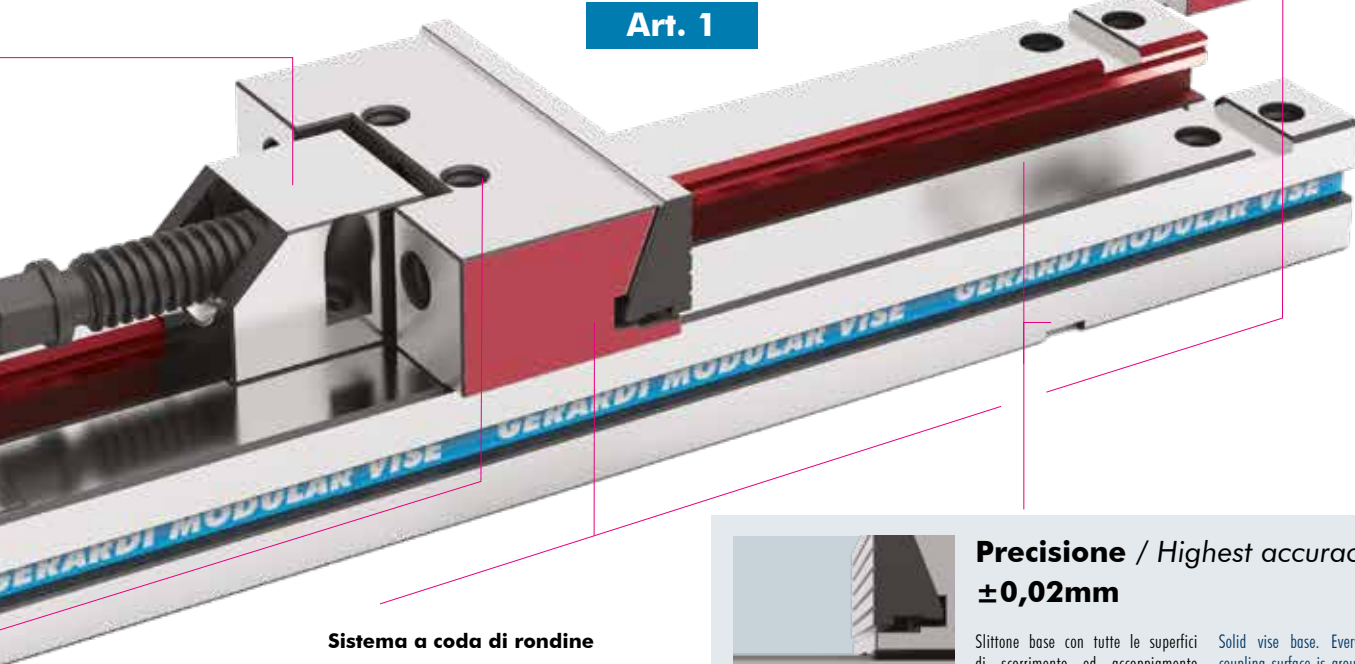
The perfect mix!
Price, Quality, Versatility



Versatility / Versatility

La ganascia fissa con gradino posteriore di 5x5 mm consente, una volta ruotata di 180°, il perfetto accoppiamento al gradino della ganascia prismatica mobile (Art.217) ordinabile separatamente: è così possibile il serraggio di pezzi piatti senza parallele e di tondi sia in orizzontale che in verticale. Inoltre è disponibile una vastissima gamma di ganasce nonché un sistema di parallele piane e angolari per le più svariate applicazioni e la lavorazione di pezzi di qualsiasi forma e dimensione. Illimitata gamma di aperture possibili.

Fixed jaw with 5x5mm step matchable to the prismatic movable jaw (Art.217 to be ordered separately) which allows to clamp plates without parallels and round workpieces vertical & horizontal way. Vertical, side-way and gang operation are possible with the appropriate components (column, narrow width jaws, etc.) Unlimited clamping range.

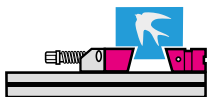

Art. 1


Sistema a coda di rondine

Dove tail system

Rimuovendo le piastre ganasce è possibile sfruttare l'inclinazione a 15° del corpo per serrare il particolare, prelavando la faccia inferiore del particolare ottenendo così un sistema ad incastro irreversibile.

By taking off the jaw plates, it is possible to exploit the body inclination of 15° to clamp the workpiece and pre-machine the lower surface thus obtaining an irreversible dovetail system.



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

Slittone base con tutte le superfici di scorrimento ed accoppiamento rettificato. L'allineamento agli assi della macchina avviene grazie alle chiavette longitudinali e trasversali (16H7) o fori di posizionamento (Ø16mm F7), a richiesta, previsti sulla base di ciascuna morsa. Naturalmente tutto ciò consente oltre alle precisioni dichiarate tempi di installazione ristrettissimi.

Solid vise base. Every sliding and coupling surface is ground. Centesimal tolerances are guaranteed by checking cycles with CNC measuring machine. The perfect alignment with the machine axis is given by longitudinal and cross keyways (16H7) or positioning holes (Ø16 mm F7), upon specific request, on the vise base. Of course this allows minimum of set up times and gang operations.

Staffe d'ancoraggio / Vise holding clamps



Standard / StandardFLEX

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" nuts

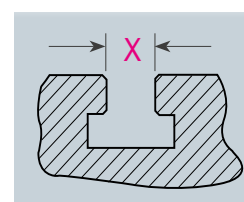
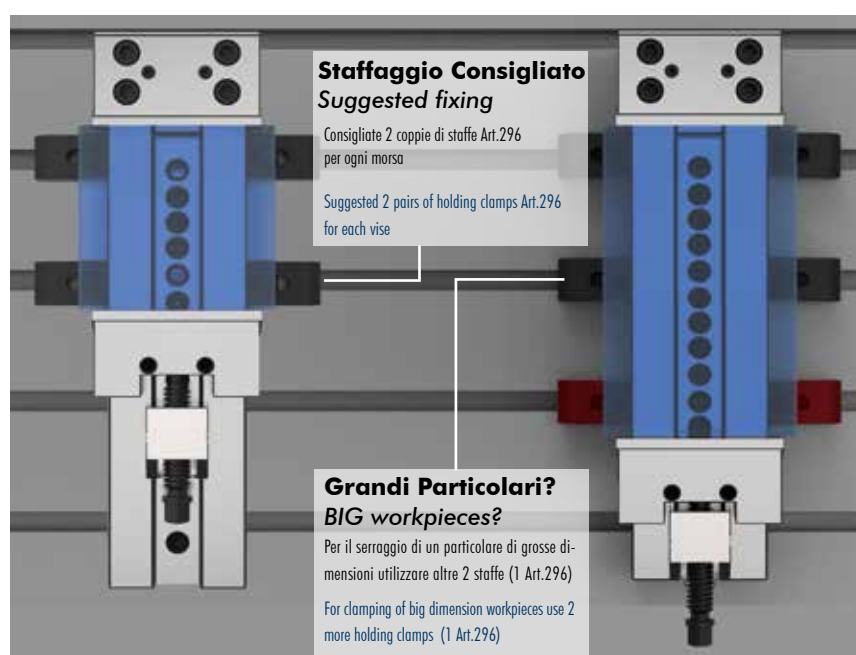


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm

Oppure con codice: 2.29.6300 X=18mm

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

Also with code: 2.29.6300 X=18mm

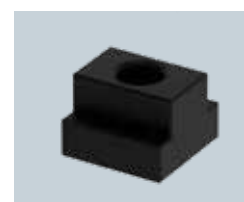


Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

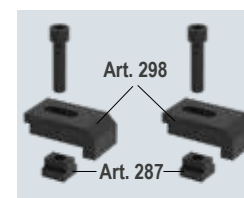


Art.287 (Pag.4.34)

Dadi a T - T Nuts

Per fissaggio morse alle cave a T della macchina

For vise clamping on the machine T-slots

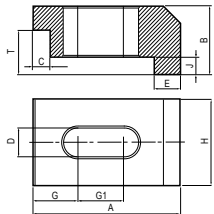


Art.296

(Art.298 + Art.287)

Consigliate 2 coppie di staffe Art.296 per ogni morsa

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

Tipo (grandezza) morsa Vise type (size)		1				1 - 2								3 - 4								5 - 6											
Art. 296 Coppia di staffe Holding clamps pair	Cava a T slot X	12	14	16	18	12*	14	16	16	18	20	18*	20	22	16	18	20	22	18*	20	22	16	18	20	22	18*	20	22					
	T-nuts Ref. N°	8	9	10	11	12	13	14	20	21	22	32	33	34	20	21	22	23	32	33	34	20	21	22	23	32	33	34					
	Filetto vite Screw thread	M8				M10				M12 *				M16				M12 *				M16				M12				M16 *			
1 X M8 	A	50	50	50	50	76	76	86	86																								
	B	24	24	24	24	30	30	40	40																								
	C	6	6	6	6	6	6	10	10																								
	Ø D	8,5	11	13	17	13	17	13	17																								
	E	10	10	10	10	13	13	15	15																								
	Ø F	14	-	-	-	-	-	-	-																								
	G	14	16	17,5	19	17	16	26	26																								
	G1	17	15	13	9	22	15	27	27																								
	H	34	34	34	34	42	42	50	50																								
	I	8	10	10	10	-	-	-	-																								
	J	4	4	4	4	10	10	10	10																								
	T ± 0,1	15	15	15	15	20	20	26	26																								
	Cod.	2.29.61000 / M8	2.29.61000 / M10	2.29.61000 / M12	2.29.61000 / M16	2.29.63000 / M12	2.29.63000 / M12	2.29.65000 / M12	2.29.65000 / M16																								

* Scelta consigliata - Suggested choice

* Scelta NON consigliata - NO Suggested choice

Soluzioni personalizzate / Customized solutions

Standard / StandardFLEX

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems



Morse StandardMatic

StandardMatic vises

Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli Pneumoidraulici (Serie StandardMatic)

Precision Modular vises matchable for gang operations and Pneumohydraulic clamping (StandardMatic series)



Modularità & versatilità

Modularity & versatility

Morsa STD con ganasce lavorabili montata in orizzontale su un centro di lavoro verticale.

Std vise with machineable jaws horizontally mounted on vertical machining centres.



Morse modulari di precisione

Precision modular vises

Morse modulari di precisione allineate per il serraggio di un particolare di grandi dimensioni.

Precision modular vises aligned for rather big workpiece clamping



Ganasce monoblocco guidate

Solid Guided jaws

Ganasce guidate monoblocco costruite con un angolo di spinta verso il basso

Guided movable jaws built in one solid body with a pull down angle



Usura inesistente

No wear

Costruzione in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 60 ± 2 HRC

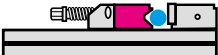
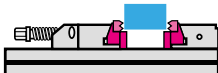
High alloyed quality resistance steel, case hardened HRC 60±2

Monoblocco - Solid

www.gerardi.it *workholding 2022*

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	3.05.20000	3.05.30000	3.05.40000	3.05.50000	3.05.60000	3.06.20000	3.06.30000	3.06.40000	3.06.50000	3.06.60000	3.06.70000	3.06.80000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C			4.31.3600C	
Art. 313	53		68	
1.21.25000			1.21.26000	
Art. 212				
2.21.75000			2.21.76000	
Art. 217				
1.24.2G500			1.24.2G600	
Art. 242G				
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41				

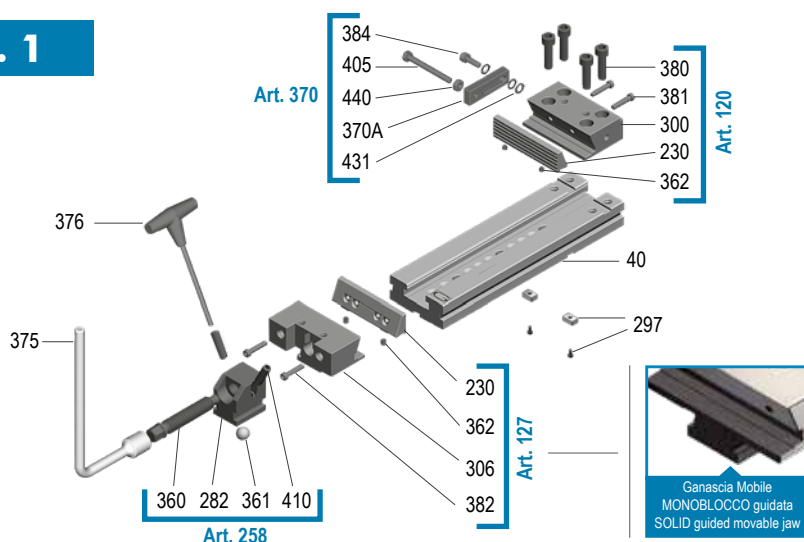
StandardMatic VISES



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 1



Art.	Pag.	Art.	Pag.
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297	4.34	382	4.28
300	4.29	384	4.28
306	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-
375	4.35	-	-

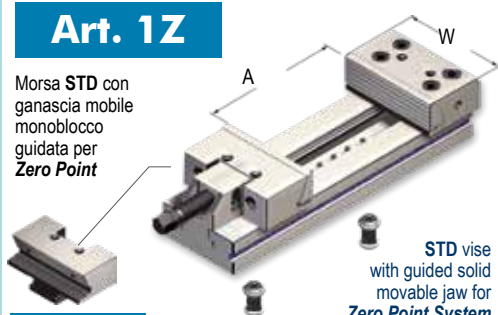


Tipo (grandezza) morsa / Vise type (size)

	1 *	2	3		4			
kN	16 kN	25 kN	30 kN		30 kN			
A	100	150	200	300	200	300	400	500
W	100	125	150		175			
B	30	40	50		60			
C	35	40	50		58			
D	270	345	420	520	455	555	655	755
G	75	95	125		145			
kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2
Cod.	1.1Z.10000	1.1Z.20000	1.1Z.32000	1.1Z.33000	1.1Z.42000	11Z.43000	1.1Z.44000	1.1Z.45000

Art. 1Z

Morsa STD con ganascia mobile monoblocco guidata per Zero Point



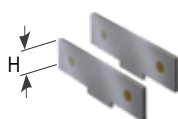
STD vise with guided solid movable jaw for Zero Point System

Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 313

Parallele magnetiche
Magnetic parallel plates

Vedi pagina 4.27 per altezze disponibili
See page 4.27 for available height



Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
H	23	33	43	53

Art. 212

Ganascia mobile intermedia
(da usare con Art. 313)

Intermediate movable jaw (to be used with Art. 313)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
------	------------	------------	------------	------------

Art. 217

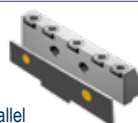
Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000
------	------------	------------	------------	------------

Art. 242G

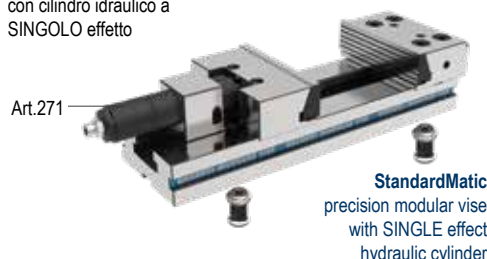
Piastra ganascia con inserti GRIP
completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel



Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400
------	------------	------------	------------	------------

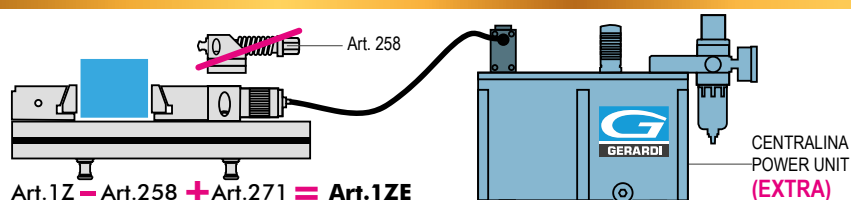
Art. 1ZE

Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto



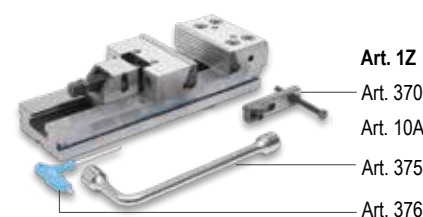
StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41
------	--

MORSE StandardMatic


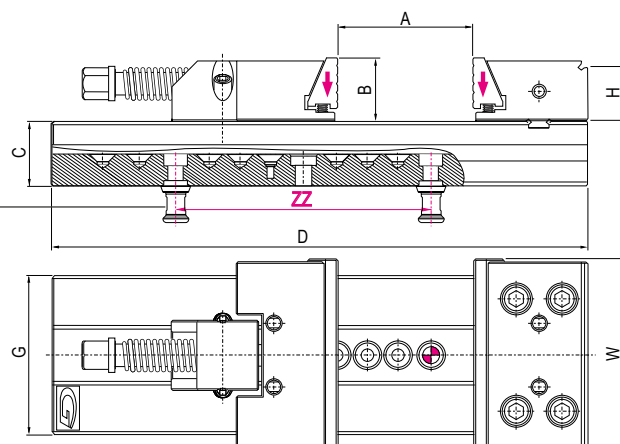
Dotazione standard:

- 1 arresto laterale Art. 370
- 2 tiranti Art. 10A
- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376



Standard equipment:

- 1 workshop Art. 370
- 2 pullstuds Art. 10A
- 1 box wrench Art. 375
- 1 T-wrench Art. 376



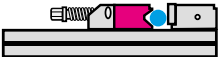
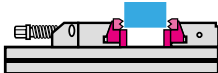
* Per morsa Tipo 1 sedi per tiranti 10A (tipo1) con interasse dei fori 150mm - Quote interassi tiranti ZZ a pag.1.24

For Vise T.1 - 10A pull studs positioning holes (T.1) with 150mm pitch - See on pag. 1.24 for pull studs pitches ZZ

Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1Z.52000	1.1Z.53000	1.1Z.54000	1.1Z.55000	1.1Z.56000	1.1Z.62000	1.1Z.63000	1.1Z.64000	1.1Z.65000	1.1Z.66000	1.1Z.67000	1.1Z.68000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C			4.31.3600C	
Art. 313	53		68	
1.21.25000			1.21.26000	
Art. 212				
2.21.75000			2.21.76000	
Art. 217				
1.24.2G500			1.24.2G600	
Art. 242G	266		347	
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41				

StandardMatic VISES



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 1Z

Art.	Pag.	Art.	Pag.
10A	9.31	376	4.35
40Z	1.24	380	4.28
230	4.9	381	4.28
282	4.36	382	4.28
300	4.29	384	4.28
306	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-
375	4.35	-	-

Ganascia Mobile
MONOBLOCCO guidata
SOLID guided movable jaw

Tipo (grandezza) morsa / Vise type (size)		kN	1 16 kN	2 25 kN	3 30 kN	4 30 kN				
Apertura massima / Maximum spread		A	100	150	200	300	200	300	400	500
W		75	95		125			145		
B		30	40		50			60		
C		35	40		50			58		
D		270	345		420	520	455	555	655	755
G		75	95		125			145		
kg		6.2	11.9		24.2	27.8	35	39	46	51
Cod.		3.01.00120	3.02.10120		3.03.20120	3.03.30120	3.04.20120	3.04.30120	3.04.40120	3.04.50120

Art. 12

Morsa STD con ganasce ridotte rettificate.
(Maggior Pressione)

STD vise with narrow width ground jaws
(Higher Pressure)

Monoblocco - Solid



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

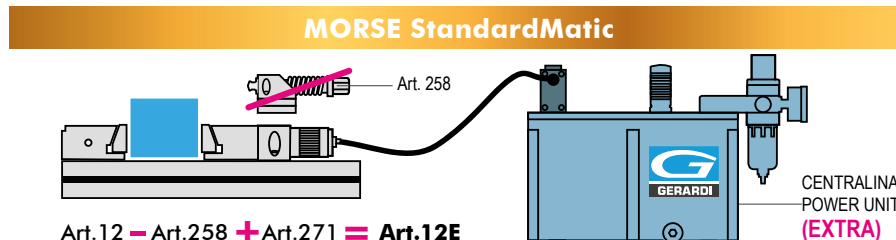
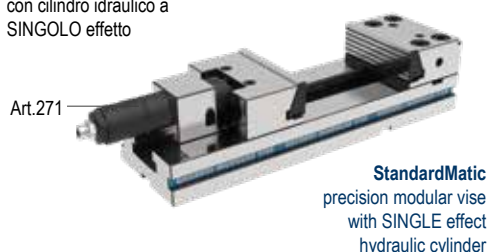
Art. 313R Parallele magnetiche Magnetic parallel plates Vedi pagina 4.27 per altezze disponibili See page 4.27 for available height	Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
H	23	33	43	53	

Art. 213 Ganascia mobile intermedia (da usare con Art. 313R) Intermediate movable jaw (to be used with Art. 313R)	Cod.	1.21.31000	1.21.32000	1.21.33000	1.21.34000
---	------	------------	------------	------------	------------

Art. 218 Ganascia mobile prismatica Prismatic movable jaw	Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000
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Art. 243G Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica Narrow width jaw plate with GRIP inserts with magnetic parallel	Cod.	1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400
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Art. 12E Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
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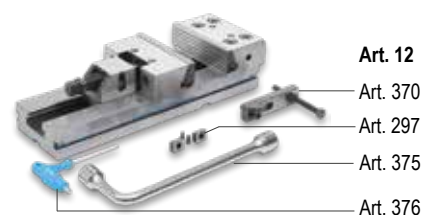


Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7)

Extra per ogni chiave (tolleranza H7)

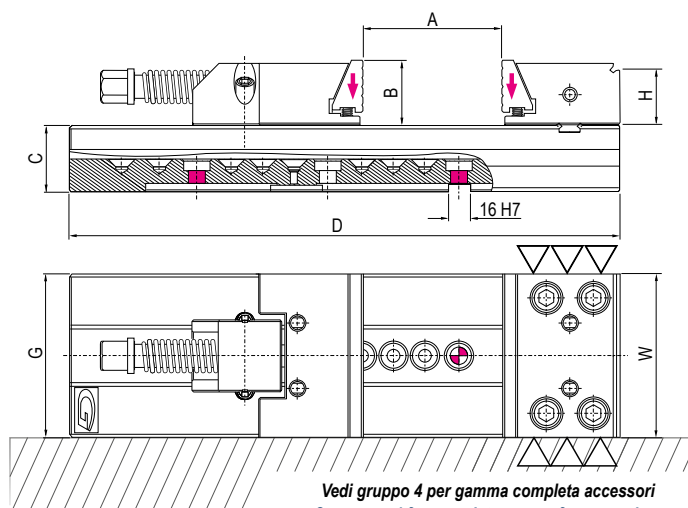


Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)

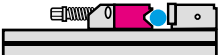
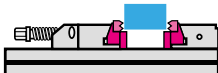
Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
 See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			170						195			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	62	67	72	77	82	88	98	108	118	128	138	148
Cod.	3.05.20120	3.05.30120	3.05.40120	3.05.50120	3.05.60120	3.06.20120	3.06.30120	3.06.40120	3.06.50120	3.06.60120	3.06.70120	3.06.80120

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3R50C			4.31.3R60C	
Art. 313R	53		68	
1.21.35000			1.21.36000	
Art. 213				
2.21.85000			2.21.86000	
Art. 218				
1.24.3G500			1.24.3G600	
Art. 243G				
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41				

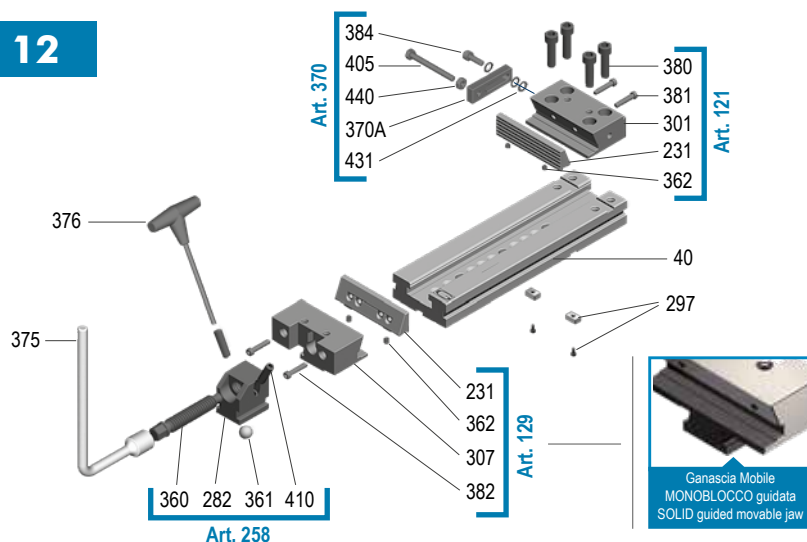
StandardMatic VISES



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

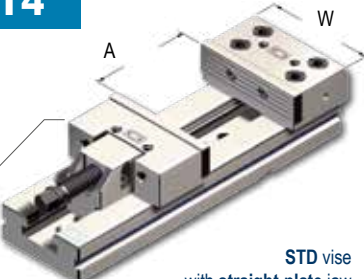


Art. 12

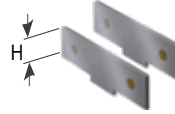


Art.	Pag.	Art.	Pag.
40	1.24	376	4.35
231	4.9	380	4.28
282	4.36	381	4.28
297	4.34	382	4.28
301	4.29	384	4.28
307	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-
375	4.35	-	-



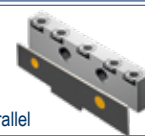
Tipo (grandezza) morsa / Vise type (size)		1		2		3		4			
	kN	16 kN	25 kN	30 kN		30 kN					
Apertura massima / Maximum spread		A	100	150	200	300	200	300	400	500	
Art. 14 Morsa STD con ganasce a piastre piane  STD vise with straight-plate jaw	W	100	125	150		175					
	B	30	40	50		60					
	C	35	40	50		58					
	D	270	345	420	520	455	555	655	755		
	G	75	95	125		145					
	kg	6.8	12.9	25.5	29	37	42	47	52		
	Cod.	1.14.10000	1.14.20000	1.14.32000	1.14.33000	1.14.42000	1.14.43000	1.14.44000	1.14.45000		

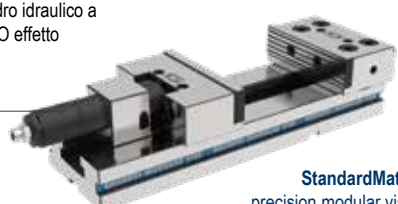
AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313 Parallele magnetiche Magnetic parallel plates 	Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
Vedi pagina 4.27 per altezze disponibili See page 4.27 for available height	H	23	33	43	53

Art. 212 Ganascia mobile intermedia (da usare con Art. 313) Intermediate movable jaw (to be used with Art. 313) 	Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
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Art. 246 Piastra piana in acciaio lavorabile Machinable steel straight jaw plate 	Cod.	1.65.16200	1.65.26200	1.65.36200	1.65.46200
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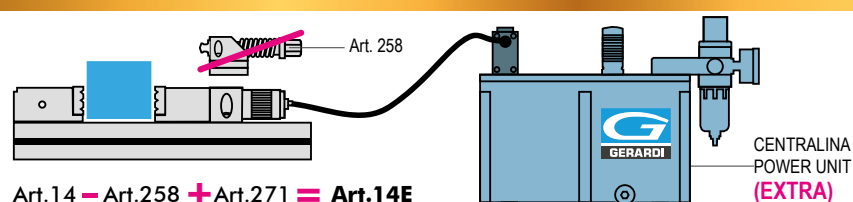
Art. 246G Piastra ganascia con inserti GRIP completa di parallela magnetica Jaw plate with GRIP inserts with magnetic parallel 	Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400
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Art. 14E Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto 	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
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StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

NEW
2021

MORSE StandardMatic

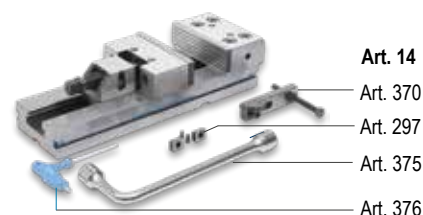


Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7)

Extra per ogni chiave a (tolleranza H7)

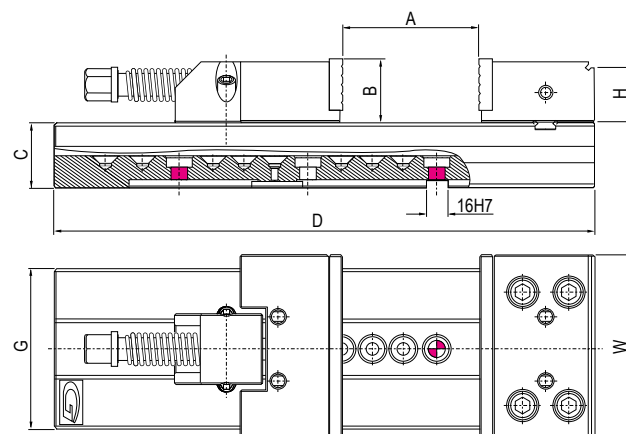


Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)

Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.14.52000	1.14.53000	1.14.54000	1.14.55000	1.14.56000	1.14.62000	1.14.63000	1.14.64000	1.14.65000	1.14.66000	1.14.67000	1.14.68000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C			4.31.3600C	
Art. 313	53		68	
1.21.25000			1.21.26000	
Art. 212				
1.65.56200			1.65.66200	
Art. 246				
1.24.6G500			1.24.6G600	
Art. 246G				
Cod.		Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41		

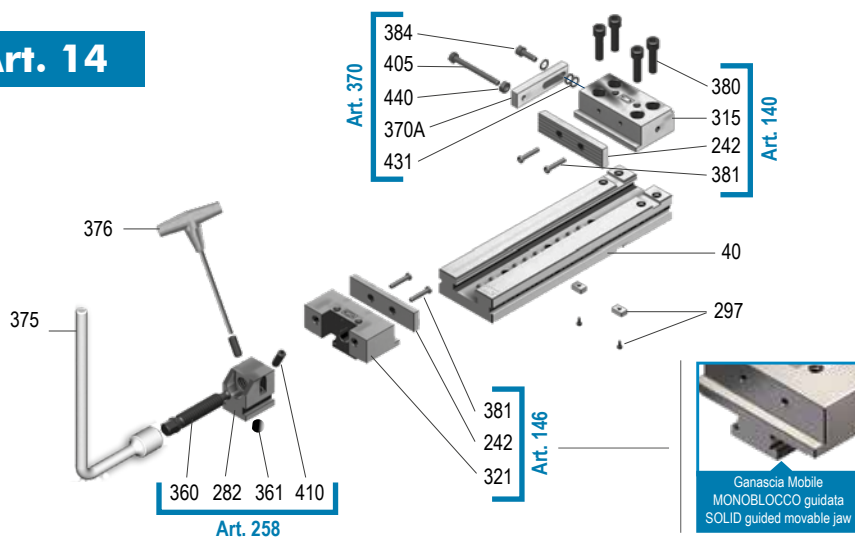
StandardMatic VISES



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)



Art. 14



Art.	Pag.	Art.	Pag.
40	1.24	380	4.28
242	4.11	381	4.28
282	4.36	384	4.28
297	4.34	405	4.35
315	4.30	410	4.36
321	4.30	431	4.28
360	4.36	440	4.28
361	4.36	-	-
370A	4.35	-	-
375	4.35	-	-
376	4.35	-	-

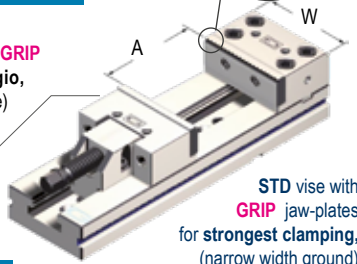


Tipo (grandezza) morsa / Vise type (size)

	kN	1 16 kN	2 25 kN	3 30 kN	4 30 kN				
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	75	95	125			145		
	B	30	40	50			60		
	C	35	40	50			58		
	D	270	345	420	520	455	555	655	755
	G	75	95	125			145		
	kg	6.2	11.9	24.2	27.8	35	39	46	51
	Cod.	1.15.10000	1.15.20000	1.15.32000	1.15.33000	1.15.42000	1.15.43000	1.15.44000	1.15.45000

Art. 15

Morsa STD con
piastre ganasce **GRIP**
a forte serraggio,
(ridotte rettificate)



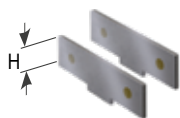
STD vise with
GRIP jaw-plates
for **strongest clamping**,
(narrow width ground)

Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 313R

Parallele magnetiche
Magnetic parallel plates

Vedi pagina 4.27 per altezze disponibili
See page 4.27 for available height



Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
H	23	33	43	53

Art. 247

Piastra piana ridotta in acciaio lavorabile
Machinable steel narrow width straight jaw plate



Cod.	1.65.17200	1.65.27200	1.65.37200	1.65.47200
------	------------	------------	------------	------------

Art. 218

Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000
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Art. 247G

Piastra ganascia ridotta con inserti GRIP
completa di parallela magnetica
Narrow width jaw plate with GRIP inserts with magnetic parallel



Cod.	1.24.7G100	1.24.7G200	1.24.7G300	1.24.7G400
------	------------	------------	------------	------------

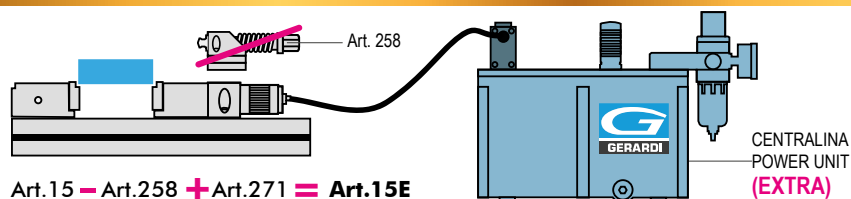
Art. 15E

Morsa modulare **StandardMatic**
con cilindro idraulico a
SINGOLO effetto



StandardMatic
precision modular vise
with **SINGLE** effect
hydraulic cylinder

Cod.									
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MORSE StandardMatic


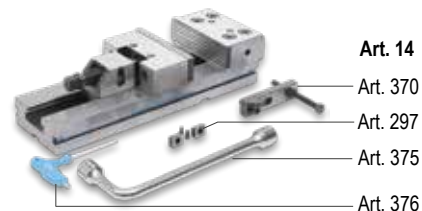
Art. 15 - Art. 258 + Art. 271 = Art. 15E

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7)

Extra per ogni chiavevita (tolleranza H7)

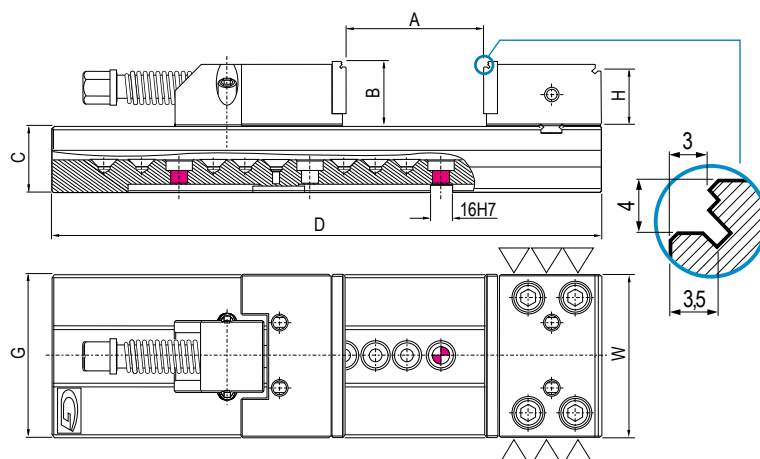


Standard equipment:

- 1 workshop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)

Extra charge for each calibrated key nut (F7 tolerance)



Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

StandardMatic VISE

1.17

Morse e Cubi / Vises & Vise Towers

StandardFLEX

La morsa più evoluta!
The most recent vise!

CARATTERISTICHE & VANTAGGI

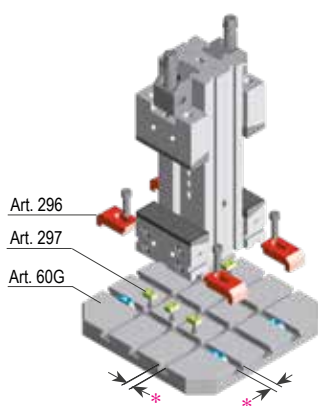
- ✓ **USURA INESISTENTE**
- ✓ **RAPIDITA' DEI SERRAGGI**
- ✓ **MODULARITA' & VERSATILITA'**
- ✓ **PRECISIONI $\pm 0,02$ mm**
- ✓ **RIGIDITA' & SICUREZZA**
- ✓ **DESIGN COMPATTO E MANEGGEVOLEZZA**

Si rimanda a quanto esposto a pag. 1.4 e 1.5

TECHNICAL FEATURES & ADVANTAGES

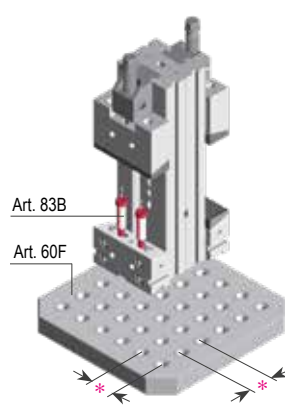
- ✓ **NO WEAR**
- ✓ **QUICK CLAMPING**
- ✓ **MODULARITY & VERSATILITY**
- ✓ **HIGHEST ACCURACIES $\pm 0,02$ mm**
- ✓ **RIGIDITY & SAFETY**
- ✓ **SPACE SAVING DESIGN & HANDY**

See pag. 1.4 and 1.5 (STANDARD series vises)



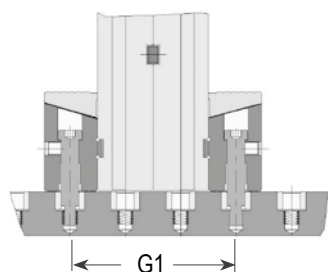
*** Cava / T slot = 16 mm**

Ancoraggio e posizionamento con staffe e chiovette
 Positioning and clamping through vise clamps



*** Passo / Pitch = 50 mm**

Ancoraggio e posizionamento su reticolo
 Grid clamping and positioning



Tipo morsa Vise type	3	4	4	5
G1 mm	150	200	250	



Precisione / Accuracy
 $\pm 0,02$ mm



Durezza / Hardened
HRC 58 $\pm$ 2

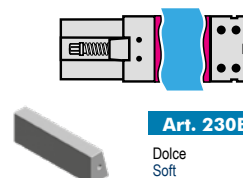


Portapiastre / The Rack

Completo di piastre ganasce a cambio rapido a gradino Art.230E
 Complete of quick change step jaw plates Art.230E

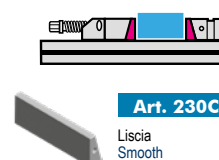
Vedi Pag. 4.22 - See Page.4.22

PIASTRE GANASCE DISCENDENTI INTERCAMBIABILI MANUALMENTE PULL DOWN JAW PLATES INTERCHANGEABLE BY HAND



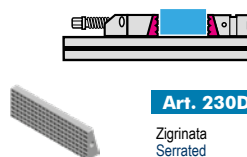
Art. 230B

Dolce
Soft



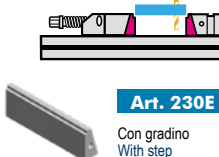
Art. 230C

Liscia
Smooth



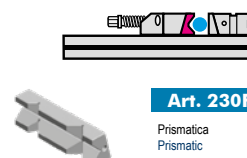
Art. 230D

Zigrinata
Serrated



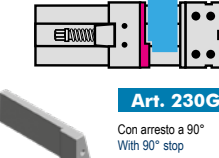
Art. 230E

Con gradino
With step



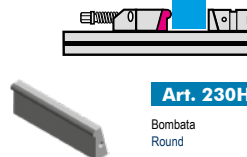
Art. 230F

Prismatica
Prismatic



Art. 230G

Con arresto a 90°
With 90° stop



Art. 230H

Bombata
Round



Art. 230M

Angolo di 30° o 45°
30° or 45° angle

Montaggio Verticale Vertical Mounting

Montaggio in verticale di due morsa StandardFLEX contrapposte su piani a reticolo Ø16mm. passo 50mm

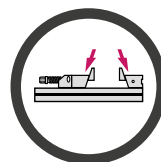
Example of vertical mounting of 2 StandardFLEX vises back to back on grid base Ø16 - 50mm Pitch



Le morse GERARDI della serie Standardflex sono un'evoluzione della morsa Standard. La loro caratteristica principale è la sostituzione rapida delle piastre ganasce che avviene manualmente e senza l'ausilio di alcun utensile, questo è possibile grazie al sistema Perno-molla, che consente un diverso utilizzo della morsa in tempi ridottissimi.

Grazie al sistema a Pettine di rigatura prismatica delle piastre ganasce, risulta migliorato anche l'effetto discendente che durante la fase di serraggio, trascina il pezzo contro lo slittone garantendo anche una notevolissima precisione di riposizionamento.

The GERARDI vises of the StandardFLEX series are an evolution of the Standard vise series. Their main characteristic is the quickest jaw plate substitution without any tool. This is possible thanks to the new design with pin with spring which increases the standard vise versatility while the prismatic grooves allow a perfect repositioning accuracy (within microns!!!).



SCAN IT TO WATCH THE



VIDEO PRESENTATION



Dotata del geniale sistema a pettine per sostituire rapidamente la piastra ganasce discendente

Innovative Comb system for quick pull-down jaw plate change



Riconfigurazione Rapidissima

Quickest Vise Resetting

grazie alla piastra ganasce intercambiabile manualmente tramite sistema a pettine

Thanks to the quick interchangeable jaw plate through ground comb system



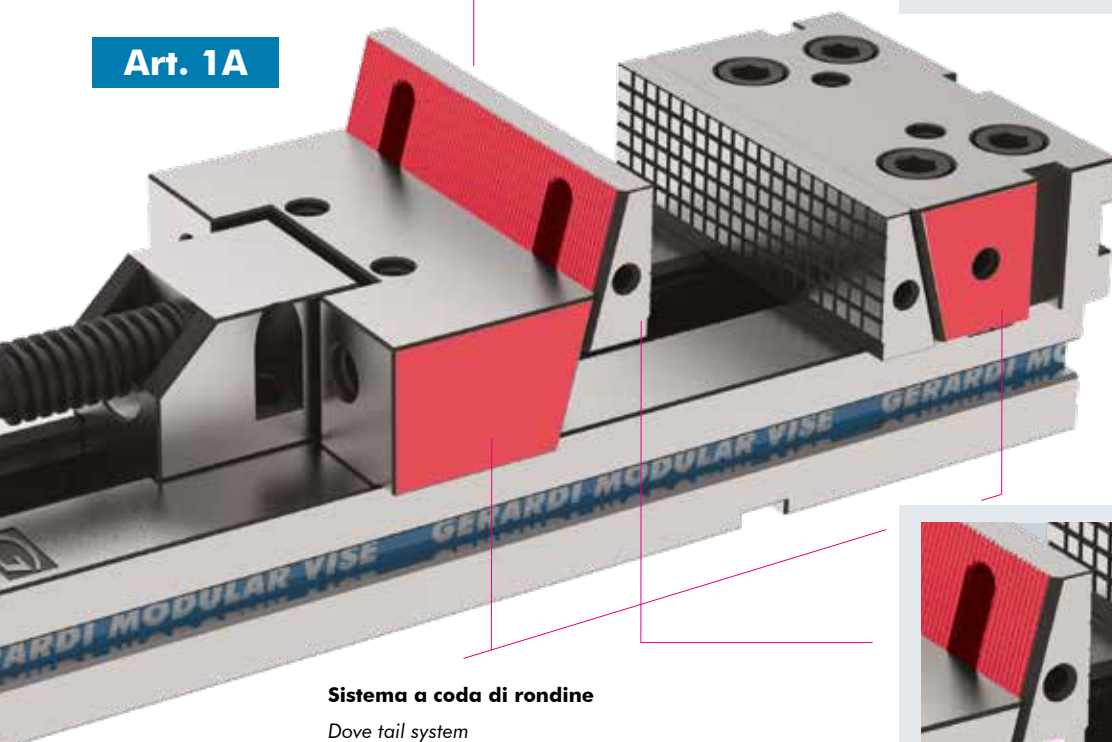
Altissima ripetibilità di posizionamento

Highest repositioning accuracy

$\pm 0,005\text{mm}$

Veloce e preciso grazie alla forma rettificata del sistema a pettine

Quick and accurate jaw plate thanks the grid shape of the comb system

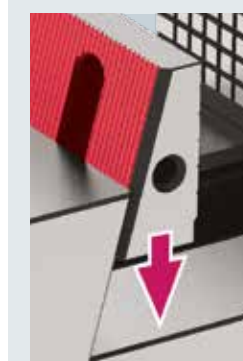
Art. 1A


Sistema a coda di rondine

Dove tail system

Rimuovendo le piastre ganasce è possibile sfruttare l'inclinazione a 15° del corpo per serrare il particolare, prelavando la faccia inferiore del particolare ottenendo così un sistema ad incastro irreversibile.

By taking off the jaw plates, it is possible to exploit the body inclination of 15° to clamp the workpiece and pre-machine the lower surface thus obtaining an irreversible dovetail system.



Effetto discendente Pull Down Action

Effetto discendente amplificato e migliorato e migliore protezione dai trucioli grazie al sistema a pettine

Increased and better pull down action and better protection from chips thanks to the comb system

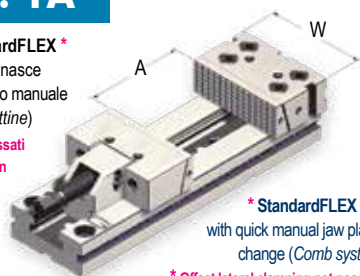
Tipo (grandezza) morsa / Vise type (size)

	1	2	3		4			
kN	16 kN	25 kN	30 kN		30 kN			
A	100	150	200	300	200	300	400	500
W	96	121	146		171			
B	28	38	48		58			
C	35	40	50		58			
D	270	345	420	520	455	555	655	755
G	75	95	125		145			
kg	6.8	12.9	25.5	29	37	42	47	52
Cod.	1.1A.10000	1.1A.20000	1.1A.32000	1.1A.33000	1.1A.42000	1.1A.43000	1.1A.44000	1.1A.45000

Art. 1A

Morsa **StandardFLEX** *
con piastre ganasce
a cambio rapido manuale
(Sistema a pettine)

* Serraggi dissastati
lateralmente non
possibili.

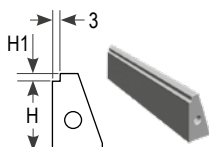


* **StandardFLEX** vise
with quick manual jaw plates
change (Comb system)
* Offset lateral clamping not possible

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 230E

Piastra ganasce intercambiabile
Interchangeable jaw plate

Vedi pagina 4.21 per altezze disponibili
See page 4.21 for available height



Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401
H	23	33	43	53
H1	5	5	5	5

Art. 212

Ganasce mobile intermedia
(da usare con **Art. 230E**)

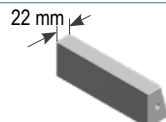
Intermediate movable jaw (to be used with **Art. 230E**)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
------	------------	------------	------------	------------

Art. 230B

Piastra ganasce intercambiabile dolce
Soft interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401
------	------------	------------	------------	------------

Art. 230F

Piastra ganasce intercambiabile prismatica
Prismatic interchangeable jaw plate

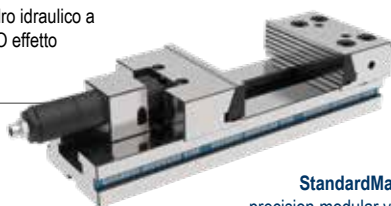


Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401
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Art. 1AE

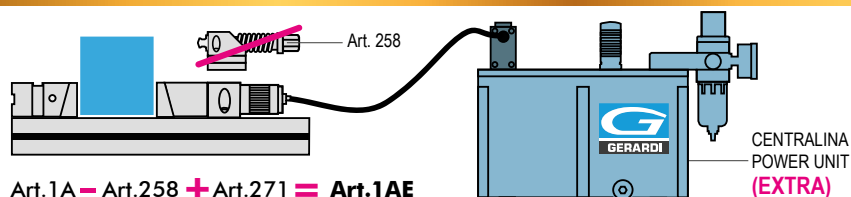
Morsa modulare **StandardMatic**
con cilindro idraulico a
SINGOLO effetto

Art.271



StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41
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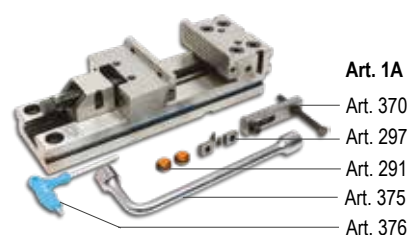
MORSE StandardMatic


Art. 1A - Art. 258 + Art. 271 = **Art. 1AE**

Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
- 2 tappi Art. 291 ■ 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376

Fori rettificati e calibrati con tolleranza F7 già inclusi nel prezzo

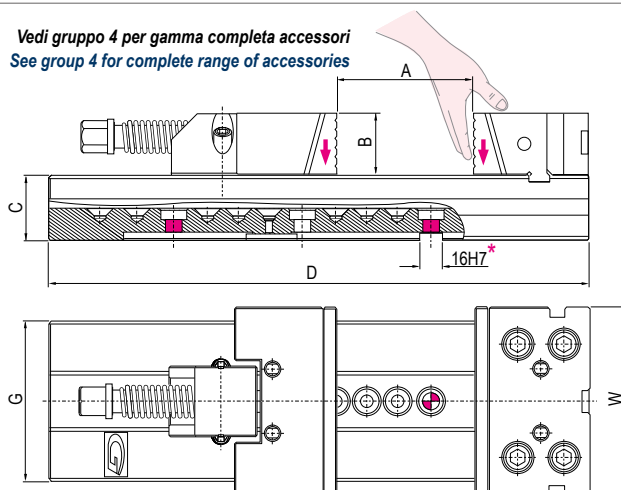


Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts for 16 mm slot Art. 297
- 2 inserts Art. 291 ■ 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Ground calibrated holes F7 tolerance already included in the price

Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories



* Versione normale: Cave da 16H7 e fori calibrati Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)
* Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)

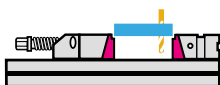
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			196						296			
B			63						78			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.1A.52000	1.1A.53000	1.1A.54000	1.1A.55000	1.1A.56000	1.1A.62000	1.1A.63000	1.1A.64000	1.1A.65000	1.1A.66000	1.1A.67000	1.1A.68000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501

Art. 230E

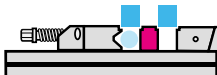
H	53
H1	10



4.23.0E601

68
10

1.21.25000

Art. 212


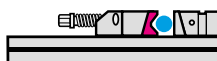
1.21.26000

4.23.0B501

Art. 230B


4.23.0B601

4.23.0F501

Art. 230F


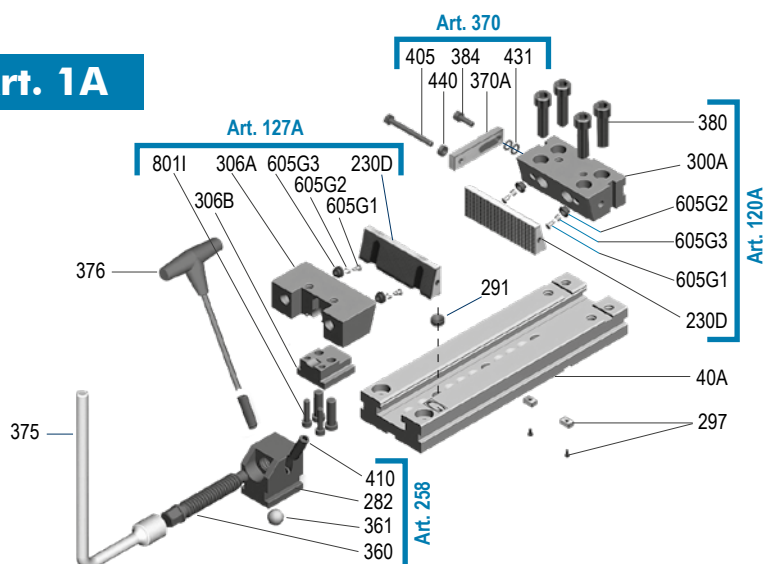
4.23.0F601

Cod.

Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

StandardMatic VISES

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 1A


Art.	Pag.
40A	1.24
230D	4.21
282	4.36
291	4.35
297	4.34
300A	4.30
306A	4.30
306B	4.30
360	4.36
361	4.36
370A	4.35
375	4.35

Art.	Pag.
376	4.35
380	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
605G1	4.22
605G2	4.22
605G3	4.22
801I	5.61
-	-

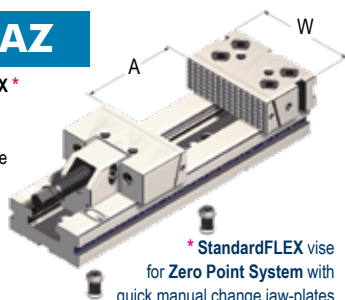
Tipo (grandezza) morsa / Vise type (size)

	1* 16 kN	2 25 kN	3 30 kN		4 30 kN			
A	100	150	200	300	200	300	400	500
W	96	121	146		171			
B	28	38	48		58			
C	35	40	50		58			
D	270	345	420	520	455	555	655	755
G	75	95	125		145			
kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2
Cod.	1.1A.Z1000	1.1A.Z2000	1.1A.Z3200	1.1A.Z3300	1.1A.Z4200	1.1A.Z4300	1.1A.Z4400	1.1A.Z4500

Art. 1AZ

Morsa **StandardFLEX** *
per **Zero Point** con
piastre ganasce a
cambio rapido manuale

* Serraggi disassati
lateralmente non
possibili.

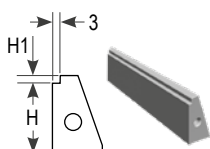


* **StandardFLEX** vise
for **Zero Point System** with
quick manual change jaw-plates
* Offset lateral clamping not possible

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !
Art. 230E

Piastra ganascia intercambiabile
Interchangeable jaw plate

Vedi pagina 4.21 per altezze disponibili
See page 4.21 for available height

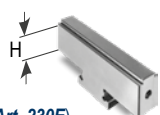


Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401
H	23	33	43	53
H1	5	5	5	5

Art. 212

Ganascia mobile intermedia
(da usare con **Art. 230E**)

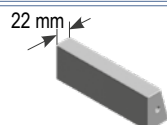
Intermediate movable jaw (to be used with **Art. 230E**)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
------	------------	------------	------------	------------

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401
------	------------	------------	------------	------------

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate



Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401
------	------------	------------	------------	------------

Art. 1AZE

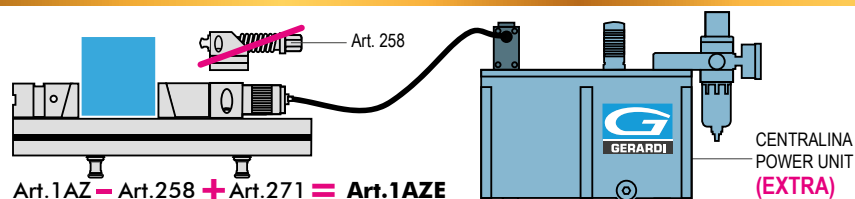
Morsa modulare **StandardMatic**
con cilindro idraulico a
SINGOLO effetto

Art.271



StandardMatic
precision modular vise
with **SINGLE** effect
hydraulic cylinder

Cod.									
------	--	--	--	--	--	--	--	--	--

MORSE StandardMatic


Dotazione standard:

- 1 arresto laterale Art. 370
- 2 tiranti Art. 10A
- 2 tappi Art. 291
- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376



Art. 1AZ

Art. 370

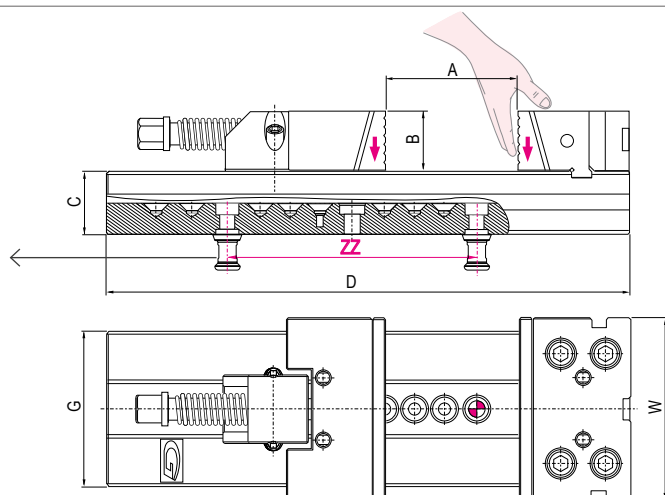
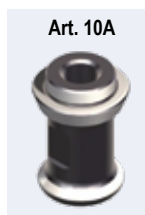
Art. 10A

Art. 291

Art. 375

Art. 376

Art. 10A



Standard equipment:

- 1 workstop Art. 370
- 2 pullstuds Art. 10A
- 2 inserts Art. 291
- 1 box wrench Art. 375
- 1 T-wrench Art. 376

* Per morsa Tipo 1 sedi per tiranti 10A (tipo1) con interasse dei fori 150mm - **Quote interassi tiranti ZZ a pag.1.24**

For Vise T.1 - 10A pull studs positioning holes (T.1) with 150mm pitch - **See on pag. 1.24 for pull studs pitches ZZ**

Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

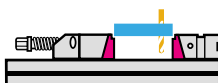
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			196						296			
B			63						78			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			200						300			
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1A.Z5200	1.1A.Z5300	1.1A.Z5400	1.1A.Z5500	1.1A.Z5600	1.1A.Z6200	1.1A.Z6300	1.1A.Z6400	1.1A.Z6500	1.1A.Z6600	1.1A.Z6700	1.1A.Z6800

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501

Art. 230E

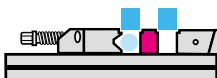
H	53
H1	10



4.23.0E601

68
10

1.21.25000

Art. 212


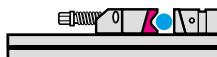
1.21.26000

4.23.0B501

Art. 230B


4.23.0B601

4.23.0F501

Art. 230F


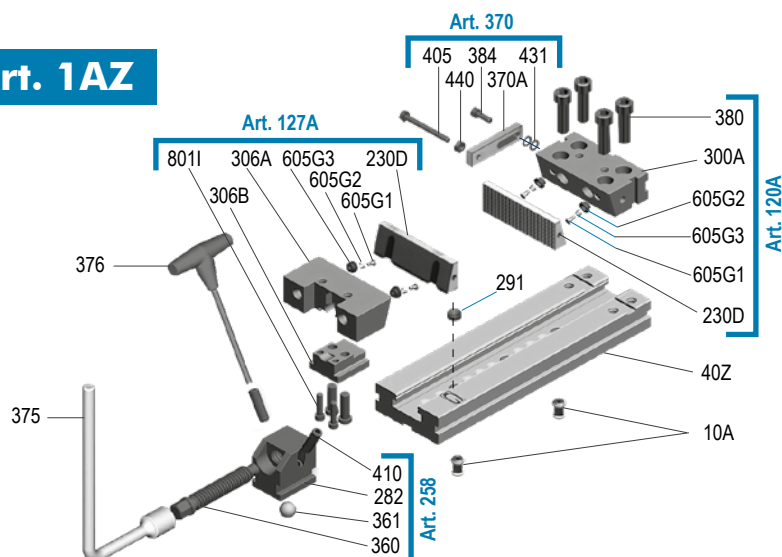
4.23.0F601

Cod.

Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

StandardMatic VISES

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 1AZ


Art.	Pag.
10A	9.31
40Z	1.24
230D	4.21
282	4.36
291	4.35
300A	4.30
306A	4.30
306B	4.30
360	4.36
361	4.36
370A	4.35
375	4.35

Art.	Pag.
376	4.35
380	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
605G1	4.22
605G2	4.22
605G3	4.22
801I	5.61
-	-

Tipo (grandezza) / Type (size)
Art. 40

 Slittone base
 serie **STD** senza
 alcuna dotazione

 Vise base
STD series
 supplied without any accessory

	1	2	3	4
C	35	40	50	58
D	270	345	420 520	455 555 655 755
G	75	95	125	145
K	-	-	100	100
N	2	3	3 4	3 4 5 6
U	111	111	122,5	129
Z	100	100	100	100
kg	3,8	7,3	15,1 18,7	20,6 25,2 29,7 34,5
Cod.	1.80.10270	1.80.20345	1.80.30420 1.80.30520	1.80.40455 1.80.40555 1.80.40655 1.80.40755

Versione normale: Cave da 16mm (H7) - Versione opzionale: Fori rettificati e calibrati con tolleranza F7 - Extra per ogni foro calibrato (Tolleranza F7):

Art. 40A

 Slittone base serie
StandardFLEX senza
 alcuna dotazione

 Vise base
StandardFLEX series
 supplied without any accessory

kg	3,8	7,3	15,1	18,7	20,6	25,2	29,7	34,5
Cod.	1.40.A1000	1.40.A2000	1.40.A3200	1.40.A3300	1.40.A4200	1.40.A4300	1.40.A4400	1.40.A4500

Art. 40Z

 Slittone base
 serie **Zero Point**
 senza alcuna
 dotazione

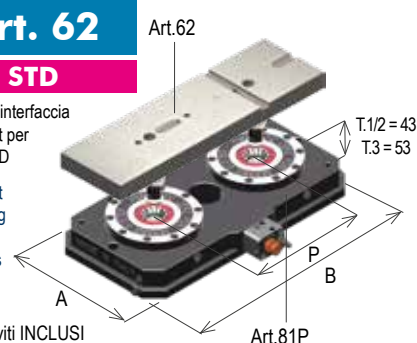
 Vise base
Zero Point series
 supplied without any accessory

ZZ	150 *	200	200	200	200	200	300	300
kg	4	8	15,5	19	21	25,5	30	35
Cod.	1.40.Z1000	1.40.Z2000	1.40.Z3200	1.40.Z3300	1.40.Z4200	1.40.Z4300	1.40.Z4400	1.40.Z4500

* Per morsa Tipo 1 sedi per tiranti 10A (tipo1) con interasse dei fori 150mm.

PIASTRE D'INTERFACCIA ZERO POINT PER MORSE STD
Art. 62
STD

 Piastra di interfaccia
 Zero Point per
 morse STD

 Zero Point
 connecting
 plate for
 STD vises

 Tiranti e viti INCLUSI
 Pull Studs and screws INCLUDED

Art.81P

C1	28	28	33	33
UU	86	86	97,5 97,5	104 104 104 104
ZZ	200	200	200 250	200 250 200x2 200x2
kg	4,5	7,2	13,5 16,7	17 20,8 24,4 28,2
Cod.	1.62.11000	1.62.21500	1.62.32000 1.62.33000	1.62.42000 1.62.43000 1.62.44000 1.62.45000

A	200	200	200	200	200	200	200
B	400	400	400	500	400	500	600

Art. 665	Tipo / Type 1	Tipo / Type T.2					
----------	---------------	-----------------	--	--	--	--	--

P	200	200	200	250	200	250	200x2 200x2
kg	31	29	29	35	29	35	42 42

Cod.	9.81.P12040S2	9.81.P2040S2	9.81.P2040S2	9.81.P2050S2	9.81.P2040S2	9.81.P2050S2	9.81.P2060S3 9.81.P2060S3
------	---------------	--------------	--------------	--------------	--------------	--------------	---------------------------

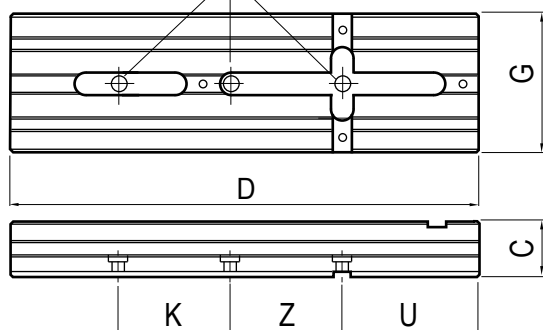
Art. 81P

NEW 2021

 Piastra Zero Point in acciaio con montaggio incassato
 Zero Point steel plate built-in mounting

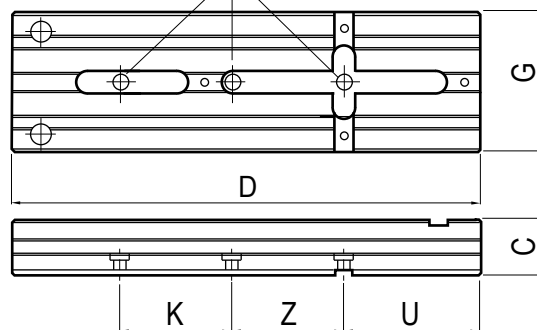
Art. 40

N Fori / Holes


 Versione normale: Cave da 16 mm (H7)
 Normal version: 16 mm slots (H7)

Art. 40A

N Fori / Holes


 Versione normale: Cave da 16H7 e fori calibrati Ø8F7 (t.1) - Ø16F7 (t.2 - 3 - 4 - 5 - 6)
 Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t.2 - 3 - 4 - 5 - 6)

	5					6							
C			70						78				
D	495	595	695	795	895	535	635	735	835	935	1035	1135	
G			170						195				
K			100						100				
N	2	3	4	5	6	4	5	6	7	8	9	10	
U			145						152				
Z			100						100				
kg	32,6	39,2	45,8	52,5	59	47	56	65	74	83	61	100	
Cod.	1.80.50495	1.80.50595	1.80.50695	1.80.50795	1.80.50895	1.80.60535	1.80.60635	1.80.60735	1.80.60835	1.80.60935	1.80.60035	1.80.60135	

Normal version: 16mm slots (H7) - Optional version: Ground calibrated holes F7 tolerance - Extra for each calibrated hole (F7 Tolerance):

kg	32,6	39,2	45,8	52,5	59	47	56	65	74	83	91	100	
Cod.	1.40.A5200	1.40.A5300	1.40.A5400	1.40.A5500	1.40.A5600	1.40.A6200	1.40.A6300	1.40.A6400	1.40.A6500	1.40.A6600	1.40.A6700	1.40.A6800	

ZZ	200	200	300	300	300	300	300	300	300	300	300x2	300x2	
kg	33	40	46	53	59	47	56	65	74	83	91	100	
Cod.	1.40.Z5200	1.40.Z5300	1.40.Z5400	1.40.Z5500	1.40.Z5600	1.40.Z6200	1.40.Z6300	1.40.Z6400	1.40.Z6500	1.40.Z6600	1.40.Z6700	1.40.Z6800	

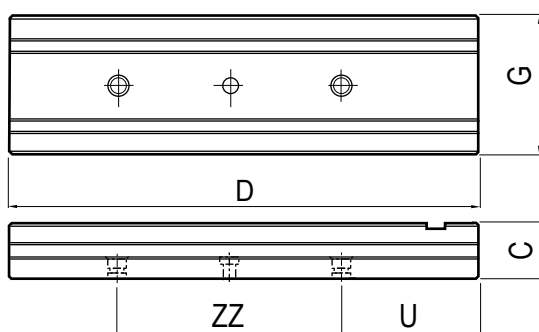
* For Vise T.1 - 10A pull stud positioning holes (T.1) with 150mm pitch

ZERO POINT CONNECTING PLATES FOR STD VISES

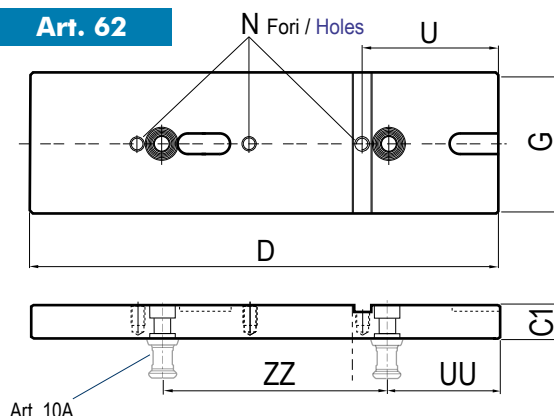
C1	38					38							
UU	120					127							
ZZ	250	200	200x2	300x2	300x2	250	200x2	200x2	300x2	300x2	400x2	400x2	
kg	25	30	35	40	45	31	36,7	42,5	48,3	54	59,8	65,6	
Cod.	1.62.52000	1.62.53000	1.62.54000	1.62.55000	1.62.56000	1.62.62000	1.62.63000	1.62.64000	1.62.65000	1.62.66000	1.62.67000	1.62.68000	

A	200	200	200	200	200	250	250	250	250	250	250	250	
B	500	400	600	800	800	500	600	600	800	800	1000	1000	
Art. 665	Tipo / Type T.2					Tipo / Type 3							
P	250	200	200x2	300x2	300x2	250	200x2	200x2	300x2	300x2	400x2	400x2	
kg	35	29	42	59	59	-	-	-	-	-	-	-	
Cod.	9.81.P2050S2	9.81.P2040S2	9.81.P2060S3	9.81.P2080S3	9.81.P2080S3	9.81.P32550S2	9.81.P32560S3	9.81.P32560S3	9.81.P32580S3	9.81.P32580S3	9.81.P325100S3	9.81.P325100S3	

Art. 40Z


 Versione normale: 2 o 3 fori filettati per tiranti Art. 10A - Tipo 2
 Normal version: 2-3 holes threaded for pull studs Art. 10A - Type 2

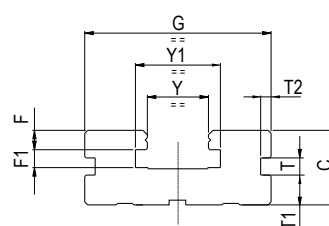
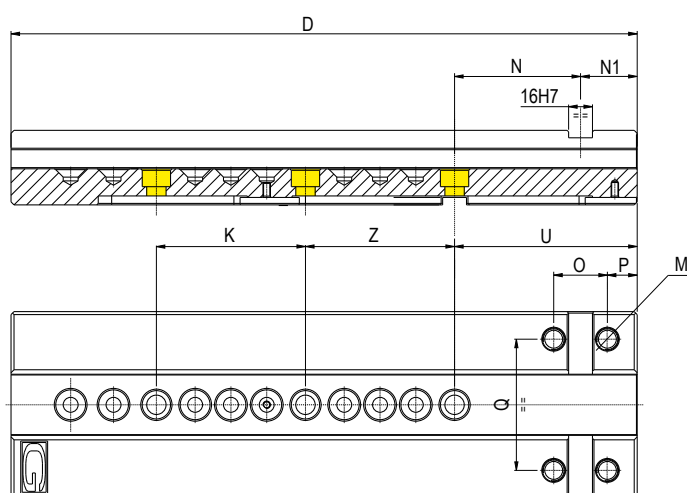
Art. 62



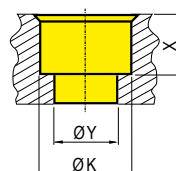
Art. 10A

Tipo (grandezza) morsa / Vise type (size)		1	2	3	4
Tolleranza / Tolerance					
- 0,02	C	35	40	50	58
-	D	270	345	420	520
- 0,02	F	10	12	13	15
+ 0,02	F1	10	10	12	18
- 0,02	G	75	95	125	145
+ 0,02	Y	21	28	41	51
-	Y1	31	41	57	70
-	M	M10	M12	M14	M16
-	N	76	76	84,5	89
-	N1	35	35	38	40
-	O	32	32	36	36
-	P	19	19	20	22
-	Q	50	62	88	100
-	T	9,5	9,5	11,5	11,5
-	T1	15	15	20	20
-	T2	5	5	7	7
-	U	111	111	122,5	129
-	U1	111	111	122,5	229
-	K	-	-	100	100
-	Z	100	100	100	100

Art. 40

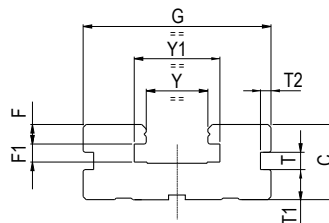
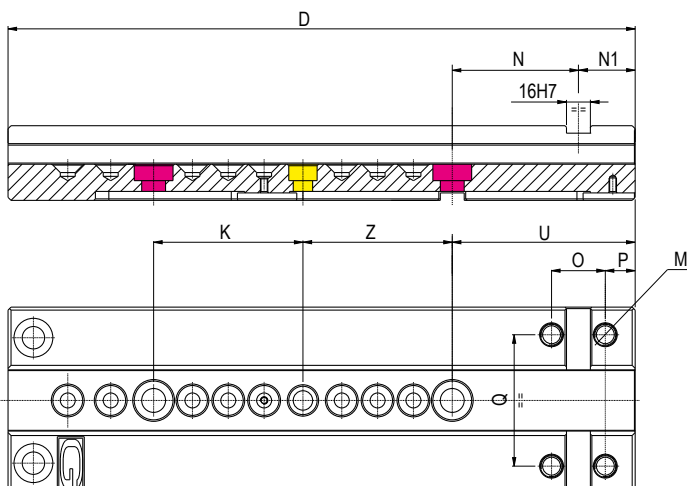
 Slittone base serie **STD** / Vise base **STD** series


Dettaglio foro per vite TCEI / TCEI screw hole details



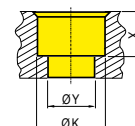
Type	1	2	3	4	5	6
X	4,5	5,5	12,5	12,5	17	17
Ø Y	6,5	8,5	13	13	17	17
Ø K	10,5	13,5	19	19	26	26

Art. 40A

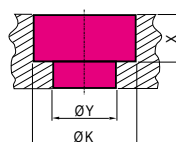
 Slittone base serie **StandardFLEX** / Vise base **StandardFLEX** series

 Dettaglio foro per vite TCEI
 TCEI screw hole details

TIPO 3 - TYPE 3

Type	3
X	8
Ø Y	13
Ø K	19


 Vedi tabella TCEI Art.40 per altre tipologie
 See the TCEI chart of Art.40 for all other types

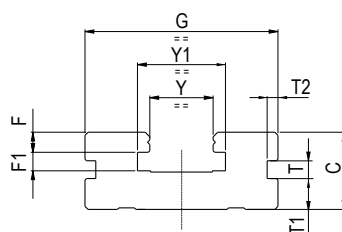
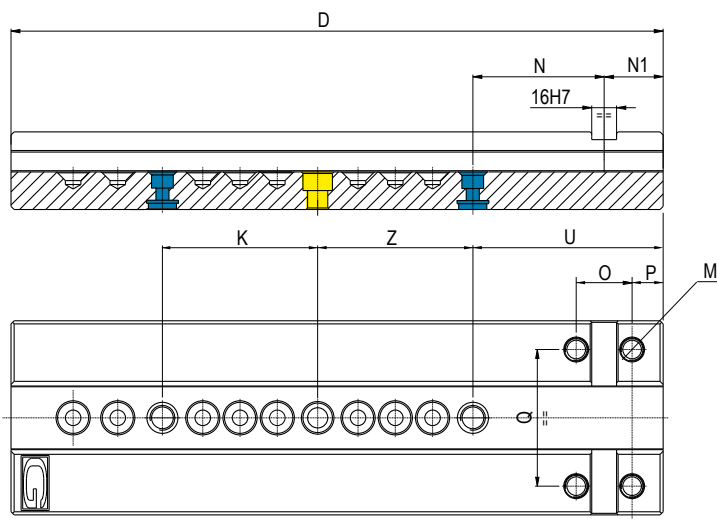
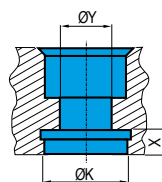
Dettaglio foro per vite calibrata / Calibrated screw hole details



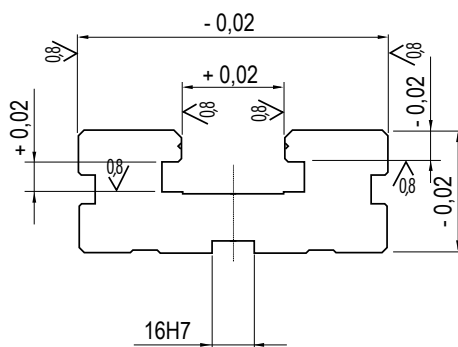
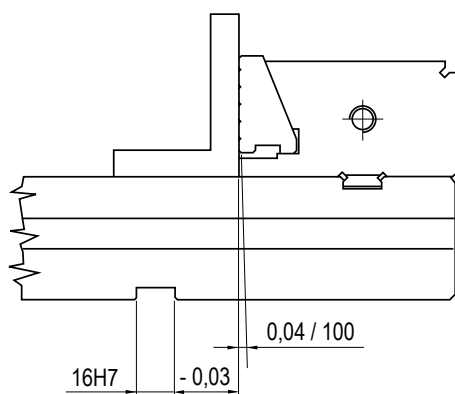
Type	1	2	3	4	5	6
X	4,5	5,5	8		11	
Ø Y	8F7	16F7	16		16F7	
Ø K	13,5	21	21		25	

	5			6						
C	70			78						
D				535	635	735	835	935	1035	1135
F	20			20						
F1	18			18						
G	170			195						
Y	61			71						
Y1	80			91						
M	M20			M20						
N	100			107						
N1	45			45						
O	44			44						
P	23			23						
Q	120			133						
T	17,5			17,5						
T1	26			26						
T2	10			10						
U	145			152						
U1	145	245		152			252	152		
K	100			100						
Z	100			100						

Art. 40Z

 Slittone base serie **ZERO POINT** / Vise base **ZERO POINT** series

Dettaglio foro per Zero Point / Zero Point hole details


Type	1	2	3	4	5	6
X	6					
Ø Y	13					
Ø K	20					

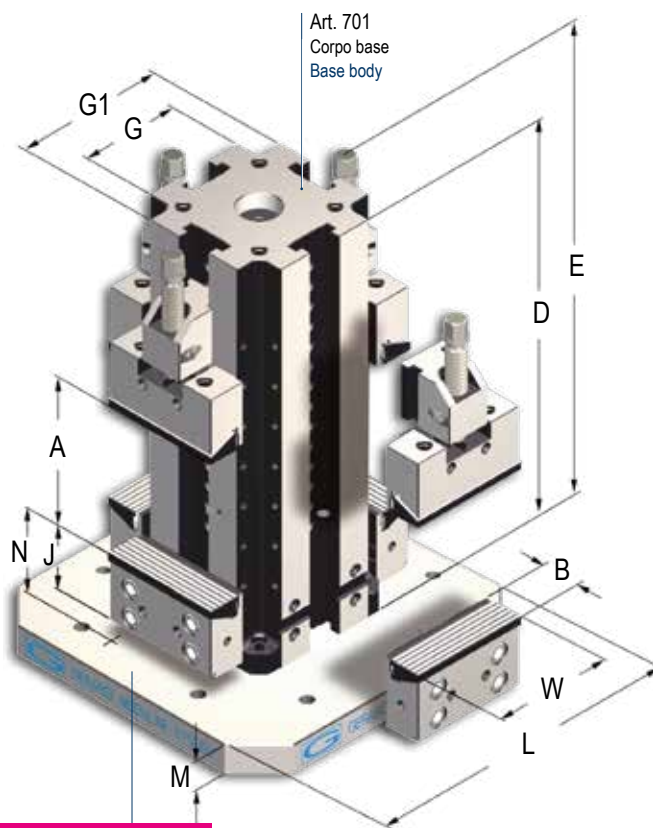
 Tolleranze generiche per morse **XL** / **XL** vise generic tolerances


Tipo (grandezza) morsa / Vise type (size)

kN	1	16 kN
A	80	130

Art. 700

Cubomorsa modulare standard in **monoblocco**
 Standard modular vise tower in **solid body**


Dotazione standard:

- 4 arresti laterali Art. 370
- 2 coppie di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376

Standard equipment:

- 4 workstops Art. 370
- 2 pairs of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 "T"- wrench Art. 376

Art. 828A (extra)

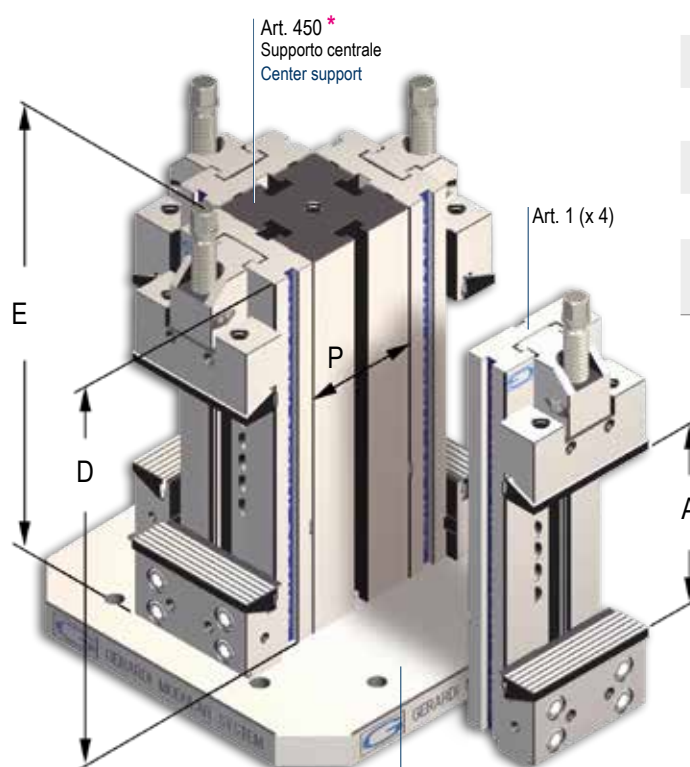
W	100	
B	30	
D	250	300
E	300	350
G	75	
G1	120	
J	77,9	
L	300	
M	33	
N	85	
kg	37	42
Cod.	3.70.00801	3.70.01301

Tipo (grandezza) morsa / Vise type (size)

kN	1	16 kN
----	---	-------

Apertura massima / Maximum spread
Art. 750

Morse standard montate verticalmente
 N° 4 morsa STD Art. 1+ N° 1 Art. 450
 Standard vises vertically mounted
 N° 4 vises STD Art. 1+ N° 1 Art. 450



Art. 450*
 Supporto centrale
 Center support

Art. 1 (x 4)

Dotazione standard:

- 4 arresti laterali Art. 370
- 2 coppie di tasselli di posizionamento per cava da 16 mm Art. 297
- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376

Standard equipment:

- 4 workstops Art. 370
- 2 pairs of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 "T"- wrench Art. 376

Art. 828A (extra)

A	100
D	270 *
E	320
P	75 *
kg	10
Cod.	1.75.01000

	2 25 kN		3 30 kN			4 30 kN				5 40 kN	6 40 kN
A	155	205	170	270	370	145	245	345	445	-	-
W	125		150			175				200	300
B	40		50			60				-	-
D	350	400	400	500	600	400	500	600	700	-	-
E	430	480	470	570	670	475	575	675	775	-	-
G	95		125			145				170	195
G1	160		190			230				*	*
J	77,9		89,4			96,9				*	*
L	350		400			450				*	*
M	33		38			38				-	-
N	85		102			111				-	-
kg	83	96	137	160	183	197	230	263	296	-	-
Cod.	3.70.01552	3.70.02052	3.70.01803	3.70.02803	3.70.03803	3.70.01454	3.70.02454	3.70.034 54	3.70.04454	-	-

* Altre dimensioni a richiesta / Other dimensions on request

	2 25 kN	3 30 kN		4 30 kN				5 40 kN			6 40 kN		
A	150	200	300	200	300	400	500	200	300	400	300	400	500
D	345 *	420	520	455	555	655	755	495	595	695	635	735	835
E	345	450	550	455				-			-		
P	95 *	125		145				170			195		
kg	19	46		68				98			145		
Cod.	1.75.02000	1.75.03200	1.75.03300	1.75.04200	1.75.04300	1.75.04400	1.75.04500	1.75.05200	1.75.05300	1.75.05400	1.75.06300	1.75.06400	1.75.06500

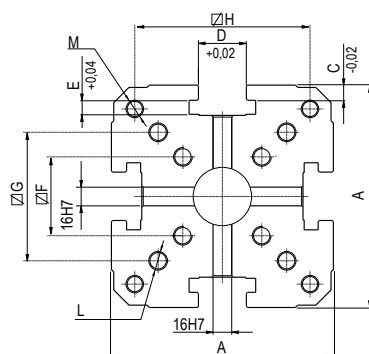
* Altre dimensioni a richiesta / Other dimensions on request



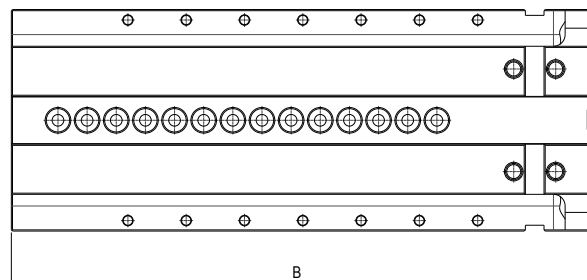
**** Montaggio e allineamento ESCLUSI**
 Mounting and alignment EXCLUDED



Tipo (grandezza) / Type (size)



Art. 701

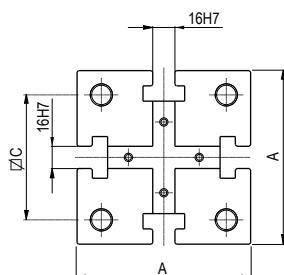


Senza alcuna dotazione
Without accessory equipment

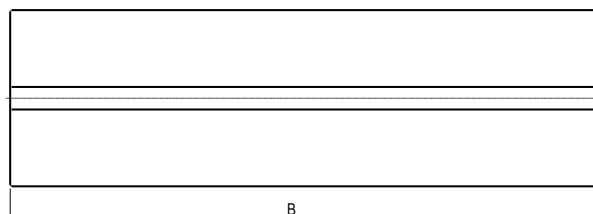
Art. 701

Corpo slittone standard
Body for standard vise tower

Tipo (grandezza) / Type (size)



Art. 450

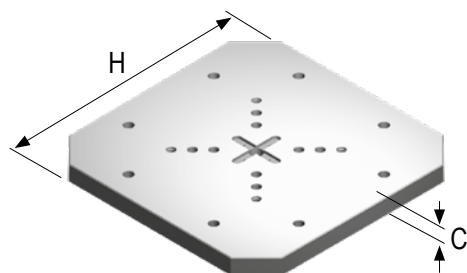


Senza alcuna dotazione
Without accessory equipment

Art. 450

Supporto centrale per montaggio morse modulari standard in verticale. Dolce.
Center support for vertical arrangement of standard modular vises. Soft.

Tipo (grandezza) / Type (size)



Art. 828A

STD

Piastra base per cubo-morsa personalizzata
(Bussola di centraggio Art. 852 compresa)
Head plate for vise-tower tailor made
(Centering bushing Art. 852 included)

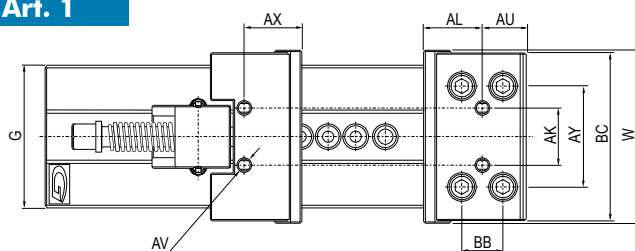
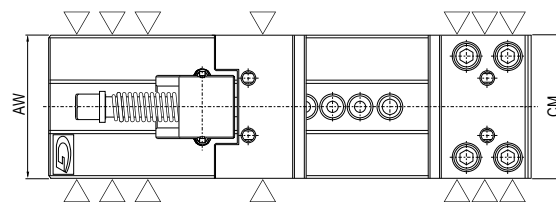
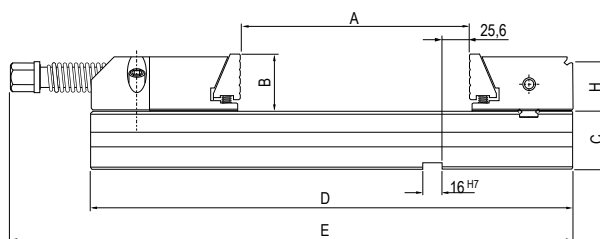
	1		2		3			4				5	6
A	120		160		190			200				*	*
B	250	300	350	400	400	500	600	400	500	600	700	*	*
C	10		12		13			15				20	20
D	21		28		41			51				61	71
E	10		10		12			18				18	18
F	40		54		70			80				80	
G	70		84		110			134				134	
H	-		120		150			200				210	
L	M12		M16		M16			M20				M20	*
M	-		Ø 13		Ø 13			Ø 13				Ø 13	
kg	25	30	64	73	92	115	138	135	168	200	232	*	
Cod.	1.70.10801	1.70.11301	1.70.11552	1.70.12052	1.70.11803	1.70.12803	1.70.10803	1.70.11454	1.70.12454	1.70.13454	1.70.14454	*	

*A richiesta / On request

	1	2	3	4	5	6
A	75	95	125	145	170	195
B	270	345	420 520	455 555 655 755	495 595 695	635 735 835
C	50	60	90	110	110	*
D	M12	M16	M16	M16	M20	*
kg	10	19	46	68	98	145
Cod.	1.45.01000	1.45.02000	1.45.03420 1.45.03520	1.45.04455 1.45.04555 1.45.04655 1.45.04755	1.45.05495 1.45.05595 1.45.05695	1.45.06635 1.45.06735 1.45.06835

*A richiesta / On request

	1	2	3	4	5	6	7
C	33	33	38	38	38	38	38
H	300	350	400	450	500	630	800
kg	22	30	44,5	56,5	71	113	182
Cod.	1.82.8A100	1.82.8A200	1.82.8A300	1.82.8A400	1.82.8A500	1.82.8A600	1.82.8A700

Art. 1

Art. 12

Art. 1+12


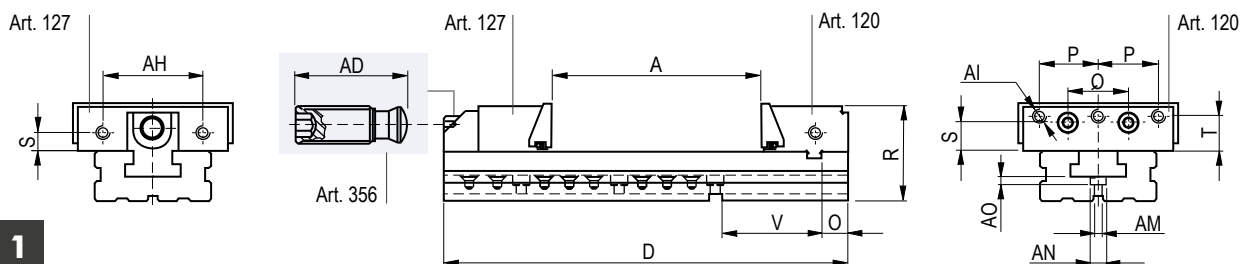
Tipo (grandezza) morsa / Vise type (size)

Tabella dimensionale / Table dimension

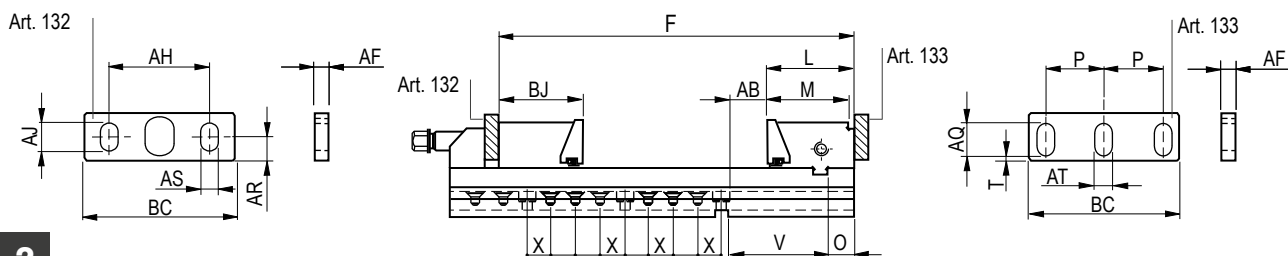
mm	1	2	3	4	5	6
W	100	125	150	175	200	300
A	100	150	200	300	400	500
B	30	40	50	60	65	80
C	35	40	50	58	70	78
D	270	345	420	520	495	595
E	320	425	500	600	580	680
F	225	285	370	470	385	485
G	75	95	125	145	170	195
H	23	33	43	53	53	68
I	55	70	110	160	110	160
J	34	50	70	104	70	104
K	124	174	226	326	226	326

mm	1	2	3	4	5	6	Tolleranza Tolerance
L	54	77.9	89.4	96.9	113.4	120.4	- 0.04
M	72.9	72.9	84.4	91.9	108.4	115.4	- 0.04
N	10	10	12	18	18	18	+ 0.02
O	27	27	30	32	37	37	± 0.02
P	38	50	62	72.5	83	120	
R	65	80	100	118	135	158	
S	18	23	29	37.5	37.5	47.5	
T	16	20.5	27.5	36.5	34	46	
U	111	111	122.5	129	145	152	
V	76	76	84.5	89	100	107	± 0.02
W	-	-	100	100	100	100	
X	20	25	25	25	33.33	33.33	
Y	21	28	41	51	61	71	+ 0.02
Z	100	100	100	100	100	100	
AA	10	12	13	15	20	20	- 0.02
AB	25.6	25.6	25.6	25.6	25.6	25.6	+ 0.02
AC	31	41	57	70	80	90	
AD	53	73	81	101	113	135	
AF	13	18	18	18	18	18	
AG	M10	M16	M16	M16	M20	M20	
AH	62	80	90	116	138	184	
AI	M10	M10	M12	M12	M12	M12	
AJ	14	19	24	29	31.5	39	
AK	38	38	50	50	76	240	
AX	25,6	42,4	50,1	55,4	66,4	73,4	
AL	42,4	42,4	50,9	55,4	66,4	73,4	
AM	4,5	5,5	12,5	12,5	17	17	
AN	10	13	19	19	25	25	

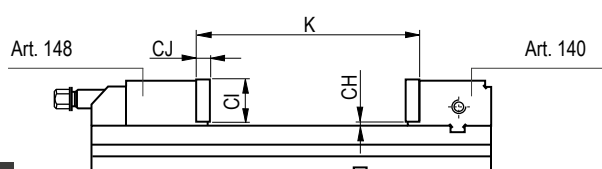
mm	1	2	3	4	5	6	Tolleranza Tolerance
AO	4.5	5.5	12.5	12.5	17	17	
AP	15	15	20	20	26	26	
AQ	16	18	26	26	29	30	
AR	18	24	26	34	31	38	
AS	11	17	17	17	21	21	
AT	11	11	13	13	13	17	
AU	35.5	35.5	38.5	41.5	47	47	
AV	M8	M10	M12	M12	M16	M16	
AW	75	95	125	145	170	195	
AX	20	23	28	28	34	38	
AY	50	62	88	100	120	133	
AZ	M10	M12	M14	M16	M20	M20	
BB	32	32	36	36	44	44	
BC	96	121	146	171	196	296	
BG	28	38	48	58	63	78	
BJ	50	60	80	90	100	120	
BL	180	225	290	320	370	400	
BM	9.5	9.5	11.5	11.5	17.5	17.5	
CC	77	77	88.5	96	112	117	
CD	48	58	78	88	98	117	
CE	5	5	5	5	5	5	
CF	-	-	64	64	71	-	
CG	-	-	100	100	128	-	
CH	5.5	8	11	17	17	24	
CI	24.5	32	39	43	48	56	
CJ	12	12	13	13	18	18	
CM	75	95	125	145	170	195	



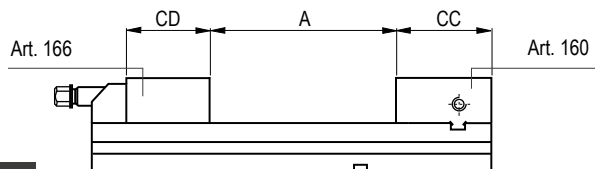
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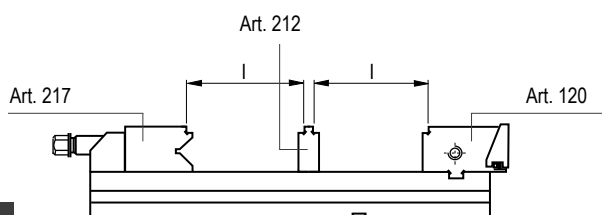
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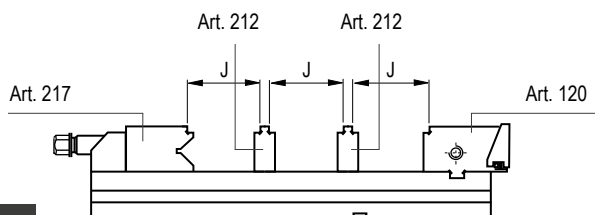
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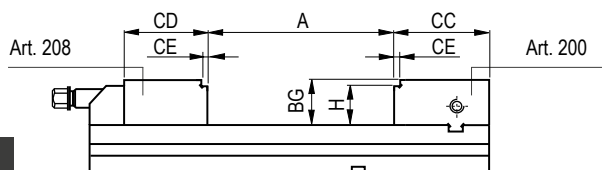
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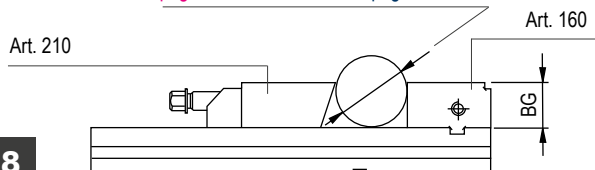
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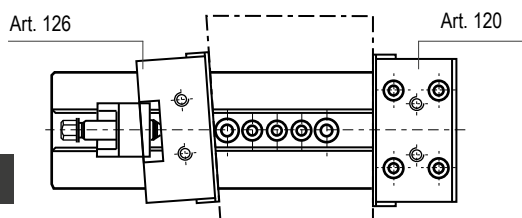
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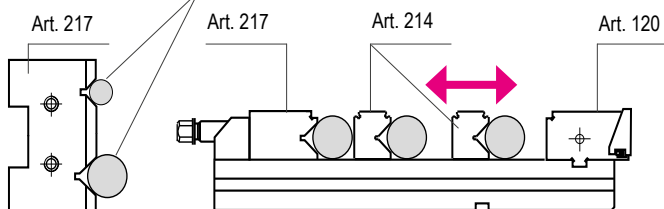
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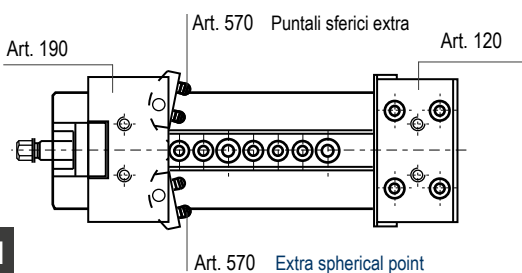
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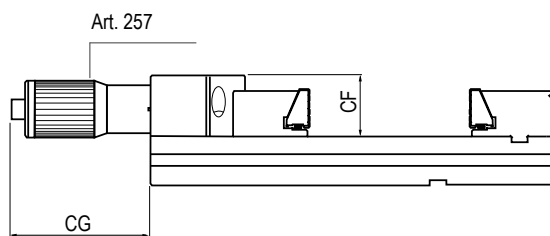
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10



11

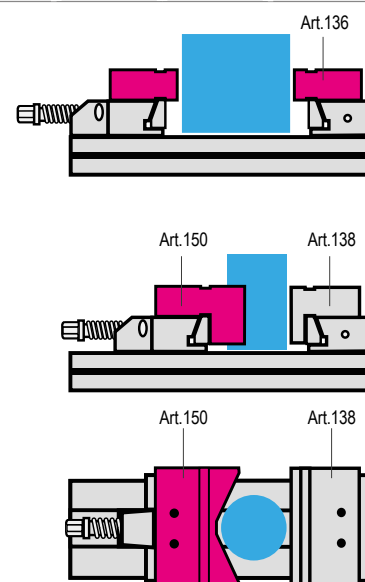
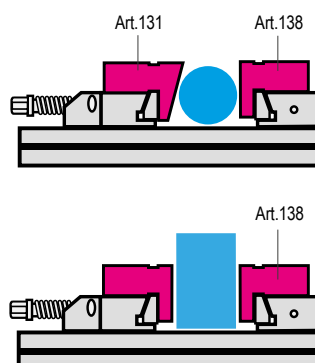
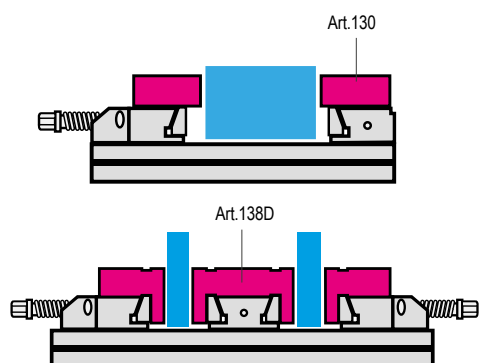


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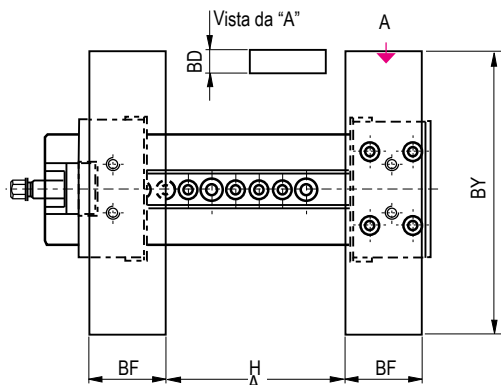
Tipo (grandezza) / Type (size)		1	2	3	4	5	6	
Ganascia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable		Cod. Art. 130 Cod. Art. 130S	2.13.01000 2.13.0S100	2.13.02000 2.13.0S200	2.13.03000 2.13.0S300	2.13.04000 2.13.0S400	2.13.05000 2.13.0S500	2.13.06000 2.13.0S600
Art. 130* Art. 130S* Extra large / Extra width		Cad / Each						
* Viti per fissaggio a richiesta Fixing screws on request								
Ganascia sovrapponibile per pezzi tondi fissa o mobile Stack-type jaw round parts fixed or movable		Cod. Art. 131 Cod. Art. 131A	2.13.11000 2.13.1A100	2.13.12000 2.13.1A200	2.13.13000 2.13.1A300	2.13.14000 2.13.1A400	2.13.15000 2.13.1A500	2.13.16000 2.13.1A600
Art. 131* Art. 131S* Larghezza normale / Normal width		Cod. Art. 131S Cod. Art. 131AS	2.13.1S100 2.13.1AS10	2.13.1S200 2.13.1AS20	2.13.1S300 2.13.1AS30	2.13.1S400 2.13.1AS40	2.13.1S500 2.13.1AS50	2.13.1S600 2.13.1AS60
Art. 131A* Art. 131AS* Larghezza super ridotta / Super narrow width		Cad / Each						
* Viti per fissaggio a richiesta Fixing screws on request								
Ganascia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable		Cod. Art. 136 Cod. Art. 137	2.13.61000 2.13.71000	2.13.62000 2.13.72000	2.13.63000 2.13.73000	2.13.64000 2.13.74000	2.13.65000 2.13.75000	2.13.66000 2.13.76000
Art. 136* Art. 136S* Larghezza normale / Normal width		Cod. Art. 136S Cod. Art. 137S	2.13.6S100 2.13.7S100	2.13.6S200 2.13.7S200	2.13.6S300 2.13.7S300	2.13.6S400 2.13.7S400	2.13.6S500 2.13.7S500	2.13.6S600 2.13.7S600
Art. 137* Art. 137S* Larghezza super ridotta / Super narrow width		Cad / Each						
* Viti per fissaggio a richiesta Fixing screws on request								
Ganascia a squadra sovrapponibile fissa o mobile Square stack-type jaw fixed or movable		Cod. Art. 138 Cod. Art. 139	2.13.81000 2.13.91000	2.13.82000 2.13.92000	2.13.83000 2.13.93000	2.13.84000 2.13.94000	2.13.85000 2.13.95000	2.13.86000 2.13.96000
Art. 138* Art. 138S* Larghezza normale / Normal width		Cod. Art. 138S Cod. Art. 139S	2.13.8S100 2.13.9S100	2.13.8S200 2.13.9S200	2.13.8S300 2.13.9S300	2.13.8S400 2.13.9S400	2.13.8S500 2.13.9S500	2.13.8S600 2.13.9S600
Art. 139* Art. 139S* Larghezza super ridotta / Super narrow width		Cad / Each						
* Viti per fissaggio a richiesta Fixing screws on request								
Ganascia a squadra sovrapponibile doppia Double square jaw stack-type		Cod. Art. 138D Cod. Art. 139D	2.13.8D100 2.13.9D100	2.13.8D200 2.13.9D200	2.13.8D300 2.13.9D300	2.13.8D400 2.13.9D400	2.13.8D500 2.13.9D500	2.13.8D600 2.13.9D600
Art. 138D* Art. 138DS* Larghezza normale / Normal width		Cod. Art. 138DS Cod. Art. 139DS	2.13.8DS10 2.13.9DS10	2.13.8DS20 2.13.9DS20	2.13.8DS30 2.13.9DS30	2.13.8DS40 2.13.9DS40	2.13.8DS50 2.13.9DS50	2.13.8DS60 2.13.9DS60
Art. 139D* Art. 139DS* Larghezza super ridotta / Super narrow width		Cad / Each						
* Viti per fissaggio a richiesta Fixing screws on request								
Ganascia prismatica sovrapponibile fissa o mobile Stack-type prismatic jaw fixed or movable		Cod. Art. 150 Cod. Art. 150A	1.15.01000 1.15.0A100	1.15.02000 1.15.0A200	1.15.03000 1.15.0A300	1.15.04000 1.15.0A400	1.15.05000 1.15.0A500	1.15.06000 1.15.0A600
Art. 150* Art. 150S* Larghezza normale / Normal width		Cod. Art. 150S Cod. Art. 150AS	1.15.0S100 1.15.0AS10	1.15.0S200 1.15.0AS20	1.15.0S300 1.15.0AS30	1.15.0S400 1.15.0AS40	1.15.0S500 1.15.0AS50	1.15.0S600 1.15.0AS60
Art. 150A* Art. 150AS* Larghezza super ridotta / Super narrow width		Cad / Each						
* Viti per fissaggio a richiesta Fixing screws on request								

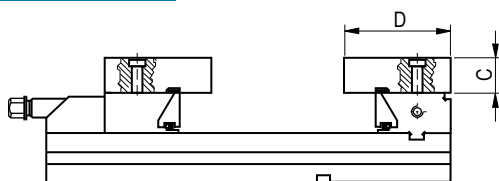
Versione "S" in acciaio lavorabile / "S" type in soft steel

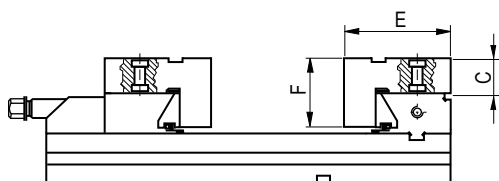
Esempi applicativi - Application examples:

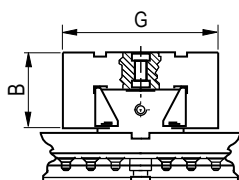


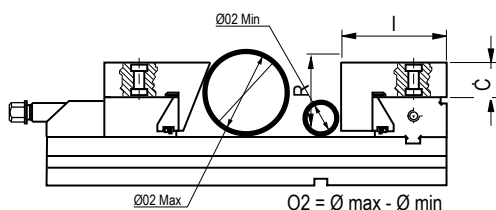
Tipo (grandezza) morsa / Vise type (size)
Art. 130

 Temprate o in acciaio lavorabile
 Hardened or soft

Art. 136/137

 Temprate o in acciaio lavorabile
 Hardened or soft

Art. 138/139

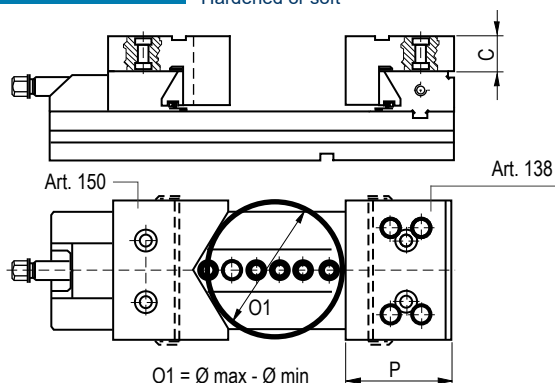
 Temprate o in acciaio lavorabile
 Hardened or soft

Art. 138D/139D

 Temprate o in acciaio lavorabile
 Hardened or soft

Art. 131/131A

 Temprate o in acciaio lavorabile
 Hardened or soft

Art. 131

Ø2 min	33	43	49	60	70	
Ø2 max		100	130	160	180	220

Art. 150/150A

 Temprate o in acciaio lavorabile
 Hardened or soft

Art. 150

Ø1 min	24,5	32,5	35,5	38,5	51	72,5
Ø1 max	89	111	244	274	375,5	536

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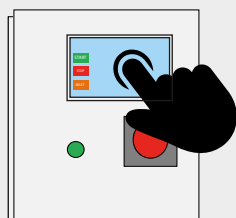
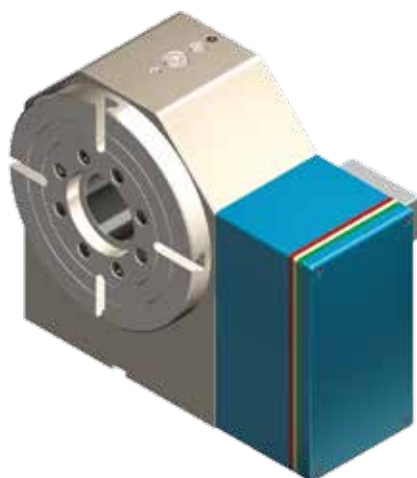
DIVISORE AUTOMATICO DPG 250

AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DPG 250



PROGRAMMAZIONE TOUCH SCREEN
FACILE ED INTUITIVA O TRAMITE COLLEGAMENTO
DIRETTO AL CNC

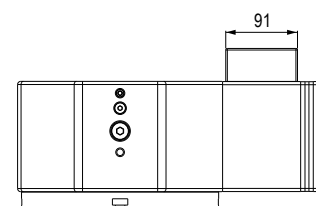
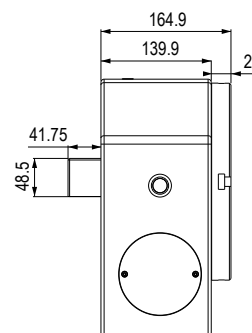
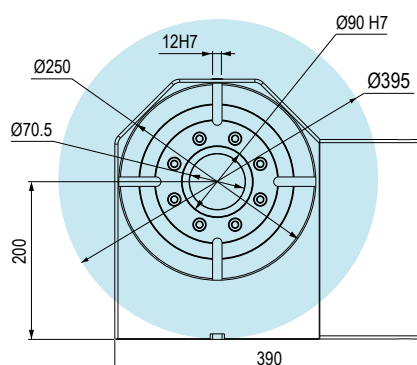
EASY AND INTUITIVE TOUCH SCREEN
PROGRAMMING OR THROUGH DIRECT
CONNECTION TO THE CNC

- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento assiale
- Completa tenuta stagna ai liquidi con possibilità di pressurizzazione
- Possibilità di montare motori di tutte le marche
- Dimensioni esterne contenute
- Finestra di controlli liquidi e condensa
- Lavorazione in posizionamento a 360°

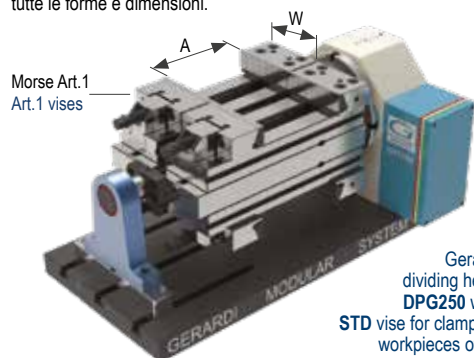
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization
- Possibility to mount motors of all brands
- Reduced external dimensions
- Condensation and liquid control window
- 360° work positioning

Diametro del divisore Dividing head diameter	250 mm
Diametro del foro passante Clearance hole diameter	70,5 mm
Altezza punta Center height	200 mm
Dimensione della scanalatura a T T-Slot width	12 mm
Sistema di bloccaggio Clamping system	IIdraulico Hydraulic
Forza frenante Clamping torque	3000 Nm
Motore Servo motor	3000 Max.g/min
Minimo incremento Minimum increment	0,002
Velocità di rotazione Rotation speed	33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)	1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)	1/180
Precisione Indexing accuracy	±10 Sec.
Ripetibilità Repeatability	4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical Orizzontale Horizontal   Kg.550 Kg.1500
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head	  N 25000 FxL Nm 1000
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical  10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear  698 Nm
Kg	110
Cod.	8.DP.G2500

DPG 250

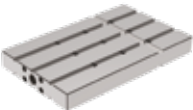
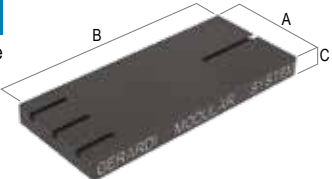


Tipo (grandezza) / Type (size) Montaggio / Mounting		1 Double	2 Double	3 Double	4 Double
Apertura massima / Maximum spread	A	100	150	200 300	200 300 400 500
Divisore Gerardi PG250 con morse STD per il serraggio di particolari di tutte le forme e dimensioni. Morse Art. 1 Art. 1 vises	W	96	121	146	171
	B	28	38	48	58
	C	35	40	50	58
	D	270	345	420 520	455 555 655 755
	G	75	95	125	145
	kg	7.3	13.2	26.2 29.7	37.9 43 48.1 53.2
	Cod.	1.DP.G25000	1.DP.G25010	1.DP.G25020 1.DP.G25030	1.DP.G25040 1.DP.G25050 1.DP.G25060 1.DP.G25070


 Gerardi dividing head **DPG250** with **STD** vise for clamping workpieces of all shapes and sizes.

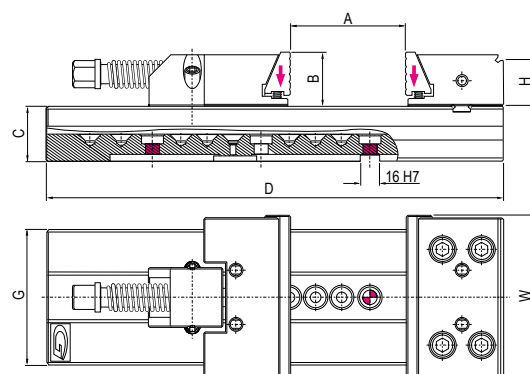
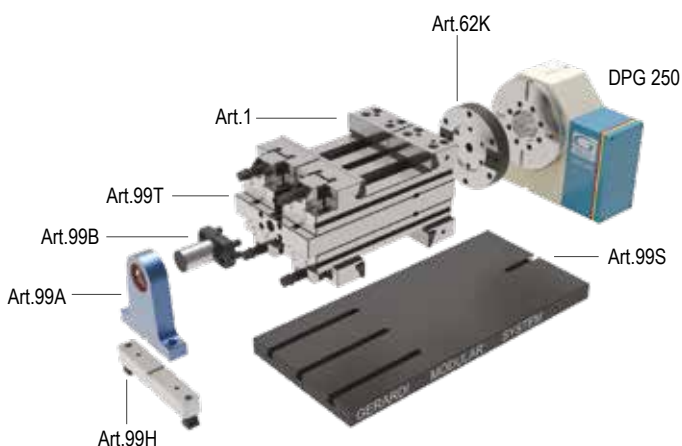
Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
 In case you already have a divider, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A Supporto Support 	Cod. 7.99.A1000																														
Art. 99B Perno di centraggio completo di sistema d'allineamento Horizontal centering pin with alignment system 	Cod. 1.99.B1000																														
Art. 99H Distanziale per supporto Spacer support 	Cod. 1.99.H1000																														
Art. 62K DPG 250 Piastra di interfaccia per cubo STD completa di sistema d'allineamento Connecting plate with alignment systemfor STD 	Cod. 1.62.KDPG25																														
Art. 99T Sovratavola per divisore Head-plate for dividing head 	Cod. 1.99.T1000 1.99.T2000 1.99.T3200 1.99.T3300 1.99.T4200 1.99.T4300 1.99.T4400 1.99.T4500																														
Art. 99S Piastra base con cave Piani rettificati Base plate with slot Faces ground 	<table><thead><tr><th>Dimensioni B mm Dimension B mm</th><th>A</th><th>C</th><th>Kg</th><th>Cod.</th><th></th></tr></thead><tbody><tr><td>600</td><td>400</td><td>50</td><td>94</td><td>7.99.S060S</td><td></td></tr><tr><td>750</td><td>400</td><td>50</td><td>117</td><td>7.99.S075S</td><td></td></tr><tr><td>900</td><td>400</td><td>50</td><td>141</td><td>7.99.S090S</td><td></td></tr><tr><td>1100</td><td>400</td><td>50</td><td>172</td><td>7.99.S110S</td><td></td></tr></tbody></table>	Dimensioni B mm Dimension B mm	A	C	Kg	Cod.		600	400	50	94	7.99.S060S		750	400	50	117	7.99.S075S		900	400	50	141	7.99.S090S		1100	400	50	172	7.99.S110S	
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.																											
600	400	50	94	7.99.S060S																											
750	400	50	117	7.99.S075S																											
900	400	50	141	7.99.S090S																											
1100	400	50	172	7.99.S110S																											
Cave o fori calibrati su richiesta Slot or calibrated holes on request Disponibili quote "B" a step di 50mm - Available dimension "B" in steps of 50mm																															

Cave o fori calibrati su richiesta
 Slot or calibrated holes on request

Disponibili quote "B" a step di 50mm - Available dimension "B" in steps of 50mm



Vedi gruppo 4 per gamma completa accessori
 See group 4 for complete range of accessories

DIVISORE MECCANICO DIVIGER 205

MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DIVIGER 205



Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Clearance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione Indexing accuracy	±10 Sec.
Coppia in lavoro Driving torque	3000 Nm
Kg	93
Cod.	7.66.73000



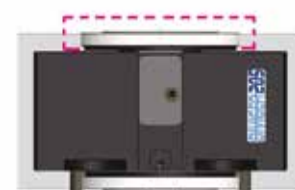
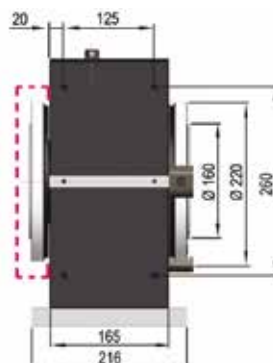
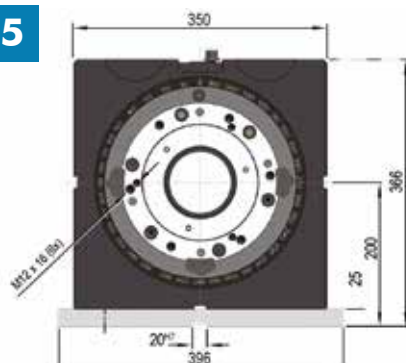
DIVISORE MECCANICO, SENZA CAVI O IDRAULICA,
PERMACCHINE A CNC

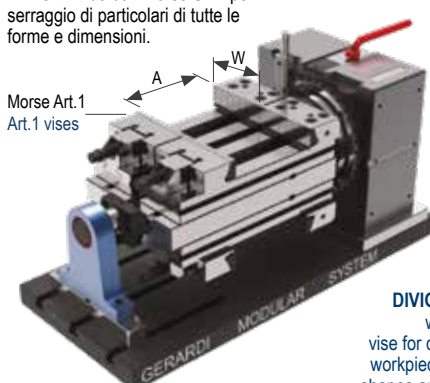
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES
OR HYDRAULIC, FOR CNC MILLING MACHINE

- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta
- Lavorazione a barra grazie al mandrino cavo
- Utilizzabile orizzontalmente o verticalmente
- Cambio tramite serraggio a cuneo
- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due to hollow spindle
- To be used horizontally or vertically
- Quick change through wedge clamping



DIVIGER 205

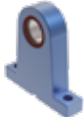
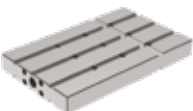
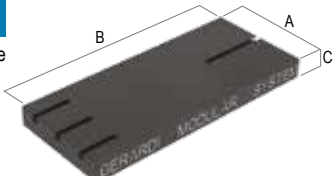


Tipo (grandezza) / Type (size)		1	2	3		4			
		Double	Double	Double		Double			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
DIVIGER 205 con morse STD per il serraggio di particolari di tutte le forme e dimensioni.  Morse Art. 1 Art. 1 vises	W	96	121	146		171			
	B	28	38	48		58			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
Cod.		1.DI.V20500	1.DI.V20510	1.DI.V20520	1.DI.V20530	1.DI.V20540	1.DI.V20550	1.DI.V20560	1.DI.V20570

DIVIGER 205
with **STD**
vise for clamping
workpieces of all
shapes and sizes.

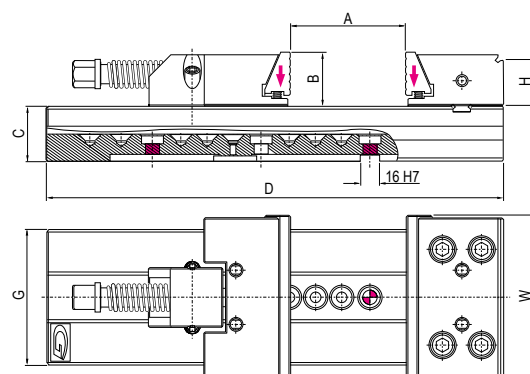
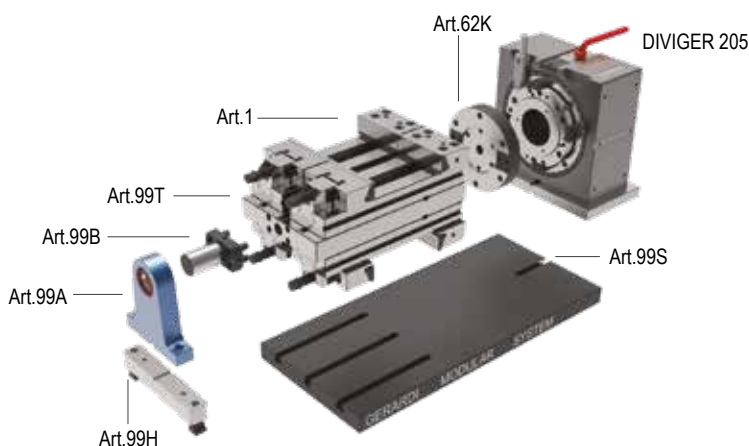
Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diverger, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A Supporto Support 	Cod. 7.99.A1000																														
Art. 99B Perno di centraggio completo di sistema d'allineamento Horizontal centering pin with alignment system 	Cod. 1.99.B1000																														
Art. 99H Distanziale per supporto Spacer support 	Cod. 1.99.H1000																														
Art. 62K DIVIGER 205 Piastra di interfaccia per cubo STD completa di sistema d'allineamento Connecting plate with alignment systemfor STD 	Cod. 1.62.KDPG25																														
Art. 99T Sovratavola per divisore Head-plate for dividing head 	Cod. 1.99.T10001.99.T20001.99.T32001.99.T33001.99.T42001.99.T43001.99.T44001.99.T4500																														
Art. 99S Piastra base con cave Piani rettificati Base plate with slot Faces ground 	<table><tr><th>Dimensioni B mm Dimension B mm</th><th>A</th><th>C</th><th>Kg</th><th>Cod.</th><th></th></tr><tr><td>600</td><td>400</td><td>50</td><td>94</td><td>7.99.S060S</td><td></td></tr><tr><td>750</td><td>400</td><td>50</td><td>117</td><td>7.99.S075S</td><td></td></tr><tr><td>900</td><td>400</td><td>50</td><td>141</td><td>7.99.S090S</td><td></td></tr><tr><td>1100</td><td>400</td><td>50</td><td>172</td><td>7.99.S110S</td><td></td></tr></table>	Dimensioni B mm Dimension B mm	A	C	Kg	Cod.		600	400	50	94	7.99.S060S		750	400	50	117	7.99.S075S		900	400	50	141	7.99.S090S		1100	400	50	172	7.99.S110S	
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.																											
600	400	50	94	7.99.S060S																											
750	400	50	117	7.99.S075S																											
900	400	50	141	7.99.S090S																											
1100	400	50	172	7.99.S110S																											

Cave o fori calibrati su richiesta
Slot or calibrated holes on request

Disponibili quote "B" a step di 50mm - Available dimension "B" in steps of 50mm

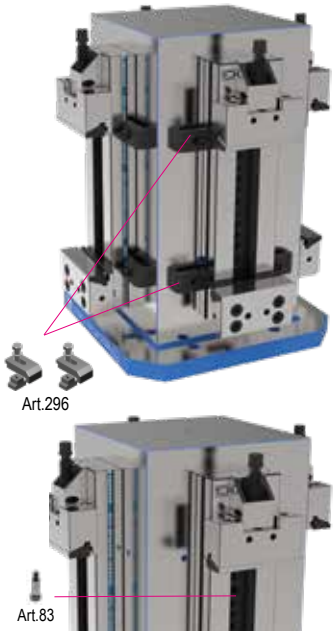


Vedi gruppo 4 per gamma completa accessori
See group 4 for complete range of accessories

1

PREDISPOSIZIONE e MONTAGGIO MORSE su CUBI LAVORATI

TOMBSTONES SET-UP and VISES MOUNTING on MACHINED TOMBSTONES

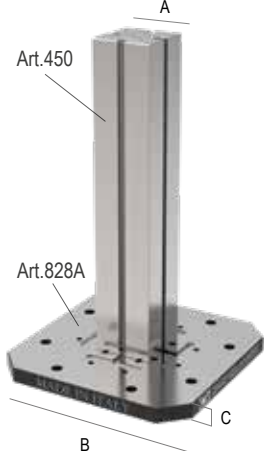
Cubo lavorato Art.53C Machined cube Art.53C	Tipo di morsa Vise type	Predisposizione e montaggio* Set-up & Mounting*	Cubo con morse Cube with vises
Cod. 8.53.C00171 Dim. A=350 / B=500 / H=700 	Art.1 Tipo 4x300  n°morse Vises n° x 4	Per morsa / each vise  Importo per lavorazioni necessarie per predisporre ogni faccia del cubo e montaggio più allineamento di ogni morsa. Amount needed for the set-up of each side and mounting + alignment of each vise on it.	

* Predisposizione 4 facce, montaggio ed allineamento morse incluso di viti, chiavette, staffe e quant'altro necessario.
 4 Faces set-up, vises mounting including screws, keyways, holding clamps and all the necessary equipment.

Certificato di collaudo
 Certificate test

MONTAGGIO MORSE in VERTICALE su SUPPORTO CENTRALE

WISE VERTICAL MOUNTING on CENTRAL SUPPORT

Art.450 + Art 828A	Tipo di morsa Vise type	Montaggio e allineamento* Mounting & alignment*	Cubo con morse Cube with vises
Art.450 Cod. 1.45.03520 Dim. A=125 / H=520 Art.828A Cod. 1.82.8A300 Dim. B=400 / C=38 	Art.1 Tipo 3x300  n°morse Vises n° x 4	Per morsa / each vise 	Art.750 Tipo 3x300 

* Montaggio e allineamento 4 morse incluso di viti, chiavette, staffe e quant'altro necessario.
 4 vises mounting and alignment includes screws, keyways, holding clamps and all the necessary equipment.

Certificato di collaudo
 Certificate test

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA ALIGNEMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE



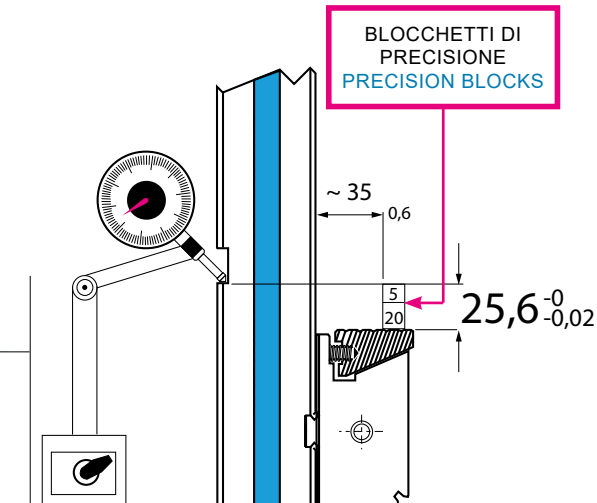
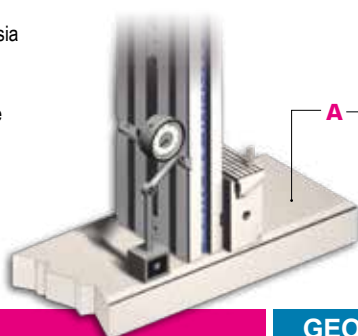
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

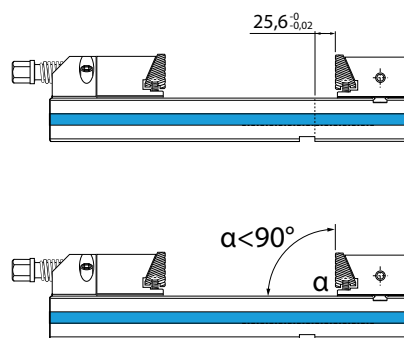
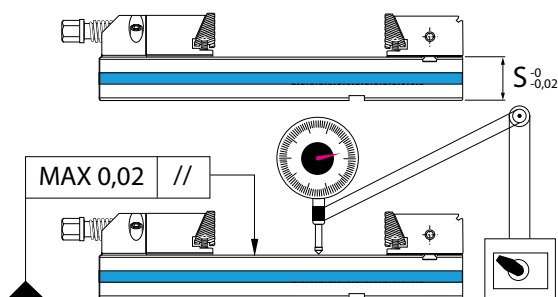
Posizionare la morsa verticalmente assicurandosi che sia perfettamente parallela al piano di appoggio **A** nei due sensi. Successivamente, con un comparatore centesimale, controllare il parallelismo del piano cava e della ganascia fissa.

Set the vise vertically ensuring that it is perfectly at parallel to the table **A** in both sides. Then with an indicator check the parallelism of the keyway and its alignment with the fixed jaw plate.



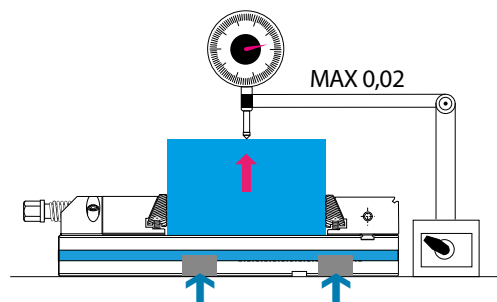
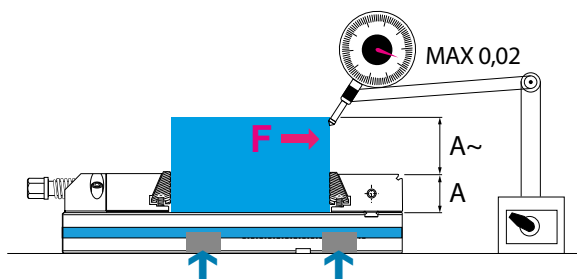
TOLLERANZE GEOMETRICHE

GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE

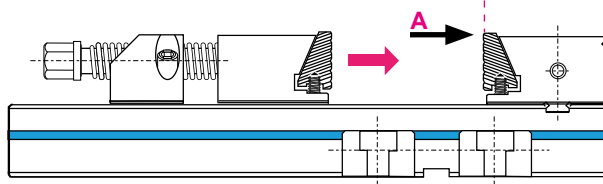
DYNAMIC ACCURACIES



Morsa ancorata con 2 coppie di staffe Art.296 / Vise clamped with n. 2 pairs of Art.296

Valori di flessione nel punto "A" in relazione alle forze di serraggio **PER MORSE TIPO 3**
 Deflection values at "A" in relation to clamping powers
FOR TYPE 3 VISES

1 kgf . m = 9.806 Nm



Kn	mm
60	0.1
50	0.07
40	0.05
30	0.03
20	0.02
10	0.01
5	0.004
2	0.002

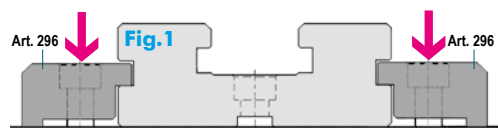
Il sistema consigliato per l'ancoraggio della morsa sulla tavola macchina è tramite **STAFFE Art.296**. (Fig.1)

E' possibile ancorare la morsa tramite viti centrali, ma in questo caso la quota X potrebbe flettere e compromettere lo scorrimento della ganascia mobile. (Fig.2)

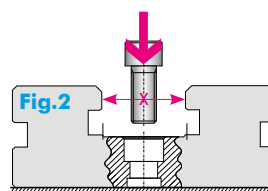
Nella tabella seguente sono riportati i valori di coppia massima applicabile mediante chiave dinamometrica

We recommend to fix the vises to the machine table using clamps Art. 296. (Fig. 1) The vise can be also fixed by means of central screws, but, this way, the X quota may suffer a bending and compromise the sliding of the movable jaws. (Fig. 2)

In the following table you can find the maximum torque values applicable through torque wrench.



Vite Screw	M8	M10	M12	M16
Torque Nm	40	80	140	345



Type	1	2	3	4	5	6
Torque Nm	18	40	140	140	250	250
Viti - Screws	2	2	3	4	4	4

Diagrammi di serraggio / Clamping diagrams

Standard / StandardFLEX

Diagrammi di serraggio meccanico con chiave dinamometrica

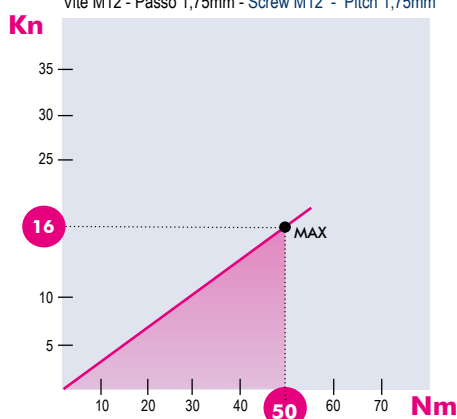
Mechanical clamping diagrams with torque wrench

Art. 1 / 1A / 700

Morse tipo 1 Vises type

1

Vite M12 - Passo 1,75mm - Screw M12 - Pitch 1,75mm

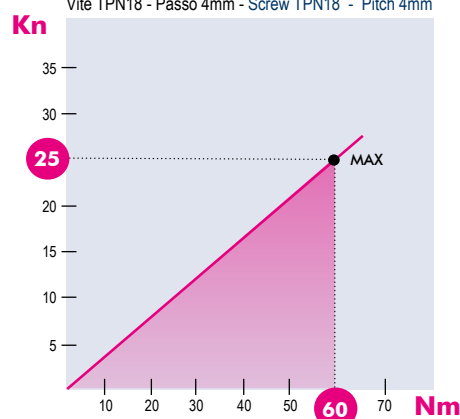


Art. 357

Morse tipo 2 Vises type

2

Vite TPN18 - Passo 4mm - Screw TPN18 - Pitch 4mm



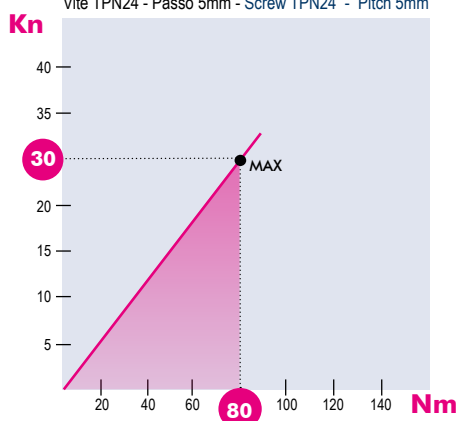
Gruppi di serraggio meccanici (Art. 258 e simili) / Mechanical clamping devices (Art. 258 and similar)

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), in funzione del momento applicato
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) depending on the torque

Morse tipo 3-4 Vises type

3-4

Vite TPN24 - Passo 5mm - Screw TPN24 - Pitch 5mm

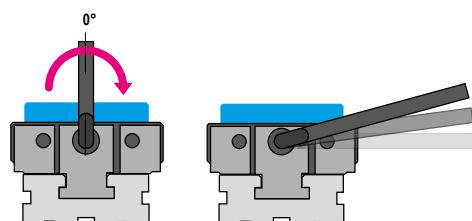
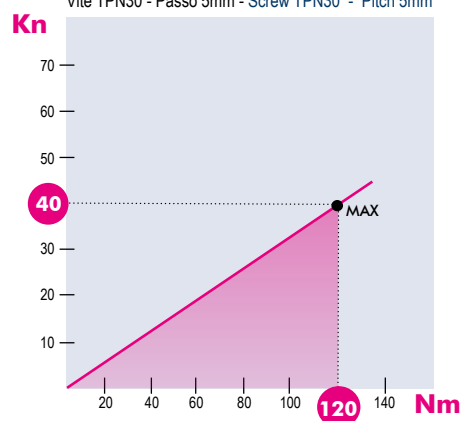


Art. 357

Morse tipo 5-6 Vises type

5-6

Vite TPN30 - Passo 5mm - Screw TPN30 - Pitch 5mm



Serrare il pezzo agendo sulla vite di spinta con la chiave in dotazione senza utilizzare tubi o martelli.
Attenzione: nel serraggio basta 1/4 di giro della chiave dal momento in cui la ganaschia tocca il particolare.

Clamp the workpiece turning clockwise the main spindle through the box wrench without using tubes or hammers. Attention: for the right clamping operation 1/4 of a turn of the box wrench is enough

Type (Size)

Kn

1

2

3

4

5

6

12

26

36

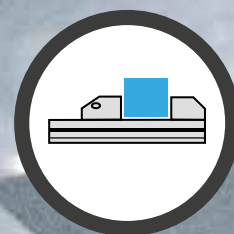
46

50

50

Valori indicativi Kn raggiunte a 90°
Kn indicative values at 90°

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.



1

*For the highest accuracy
machining operations*

OK

3 MICRONS ACCURACY

Morse e Cubi / Vises & Vise Towers

Morse / Vises

OK series

Morse di precisione per rettifica!

Highest accuracy vises for grinding operations!



Precisione / Accuracy
±0,005mm



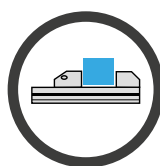
Durezza / Hardened
HRC 60

CARATTERISTICHE & VANTAGGI

- ✓ SUPERFICI RETTIFICATE, TEMPRATE E LAPPATE
- ✓ ORTOGONALITÀ E PARALLELISMO 0,003mm / 100mm
- ✓ IDEALI PER OPERAZIONI DI CONTROLLO, RETTIFICA, ELETTROEROSIONE E FRESATURA

TECHNICAL FEATURES & ADVANTAGES

- ✓ ALL CASE HARDENED AND HARDENED HRC 60 STEEL
- ✓ SQUARENESS AND PARALLELISM: 0.003mm / 100mm
- ✓ IDEAL FOR GRINDING E.D.M MACHINE AND FOR MILLING OPERATIONS ALSO FOR CHECKING AND COTROL



Per le esigenze più impegnative nelle lavorazioni con ristrette tolleranze

For the highest accuracy machining operations

Rigidità e Sicurezza

Rigidity and Safety

La ganaschia fissa e la base delle morse OK sono integrali e costruite in corpo unico per garantire una maggiore rigidità e nessuna flessione durante le lavorazioni.

The fixed jaw and the base of the OK vises are built in one solid pieces in order to guarantee higher rigidity & no bendings during the machinings

Guide esterne

External Guides

A differenza della guida centrale che consente un'importante oscillazione della ganaschia, la guida esterna garantisce uno scorrimento più lineare e preciso, garantendo così il parallelismo dei piani delle ganasche fissa e mobile.

Differently from the central guide that allows a significant jaw tilting, the external guide grants a linear and accurate sliding thus ensuring the parallelism of the fixed and movable jaws surfaces.

Fissaggio morse OK

Fixing OK vise

La morsa viene bloccata sulla tavola macchina grazie a due coppie di staffe di fissaggio complete di vite e tassello a "T".

The OK vise is clamped on the machine table by two pair of vise holding clamps complete of screw and "T" nut

Staffe d'ancoraggio / Vise holding clamps



OK Series

Coppia staffe di fissaggio Art.666O, complete di vite e dado a "T"

Pair of vise holding clamps Art.666O complete of screw and "T" nuts

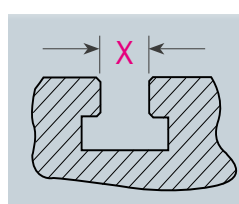
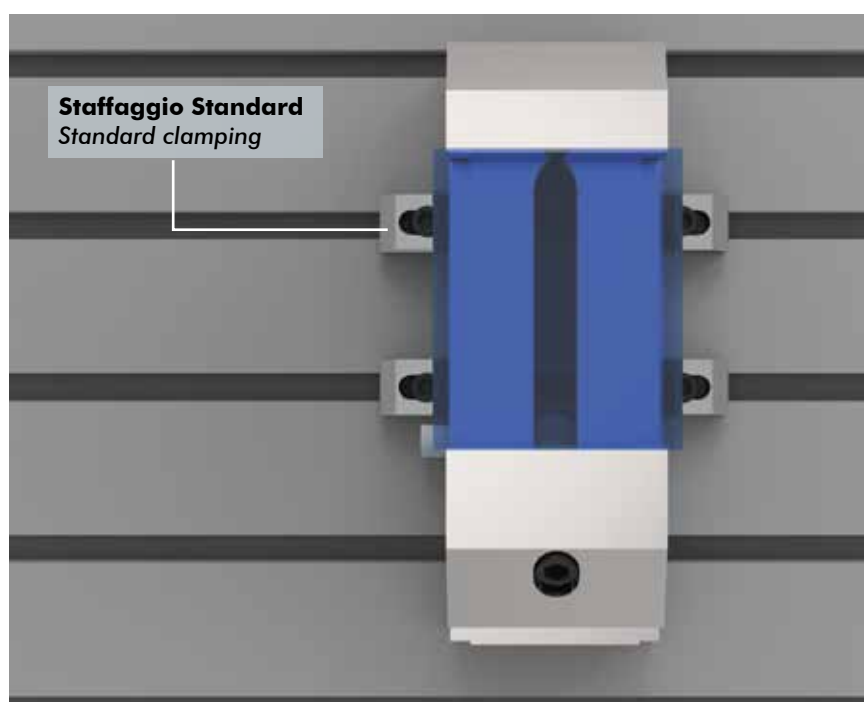


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.666O T.3 X=18mm*

Oppure con codice: 7.66.6O300*

*Order example for Type 3 vise on machine with 18mm T-slots: Art.666O T.3 X=18mm**

*Also with code: 7.66.6O300**

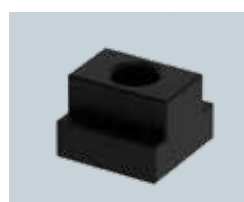


Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

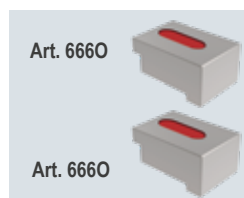


Art.287 (Pag.4.34)*

Dadi a T - T Nuts

Per fissaggio morse alle cave a T della macchina

For vise clamping on the machine T-slots

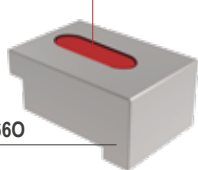
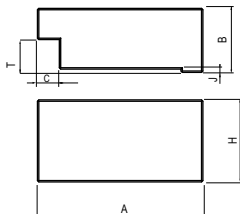


Art.666O

Consigliate 2 coppie di staffe Art.666O per ogni morsa

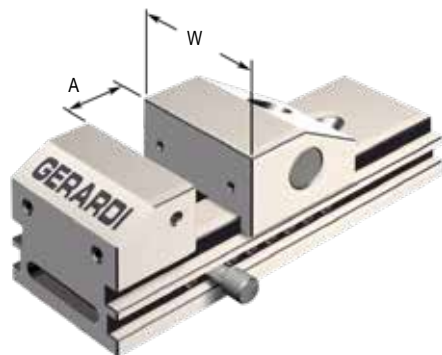
Suggested 2 pairs of holding clamps Art.666O for each vise

* Dadi a T (Art.287) e viti TCEI a richiesta - T-Nuts (Art.287) & HS screws on request

Tipo (grandezza) morsa Vise type (size)		0	1	2	3	4 - 5 - 6	7	8
Art. 666O Coppia di staffe Holding clamps pair		T0	T1	T2	T3	T4	T7	T8
Staffe completamente lavorabile Completely machineable clamp  	A	36	50	60,5	60,5	65	65	80
	B	8,5	15,4	19,6	23,4	27,5	37	35
	C	3	5	6	8	9,5	10	12
	H	14	25	30	30	30	30	40
	J	1	1,2	1,2	1,2	1,2	1	1
	T	3	8	10	12	14	24	18
Cod.		7.66.6O000	7.66.6O100	7.66.6O200	7.66.6O300	7.66.6O400/ 500/600	7.66.6O700	7.66.6O800

Tipo (grandezza) morsa / Vise type (size)

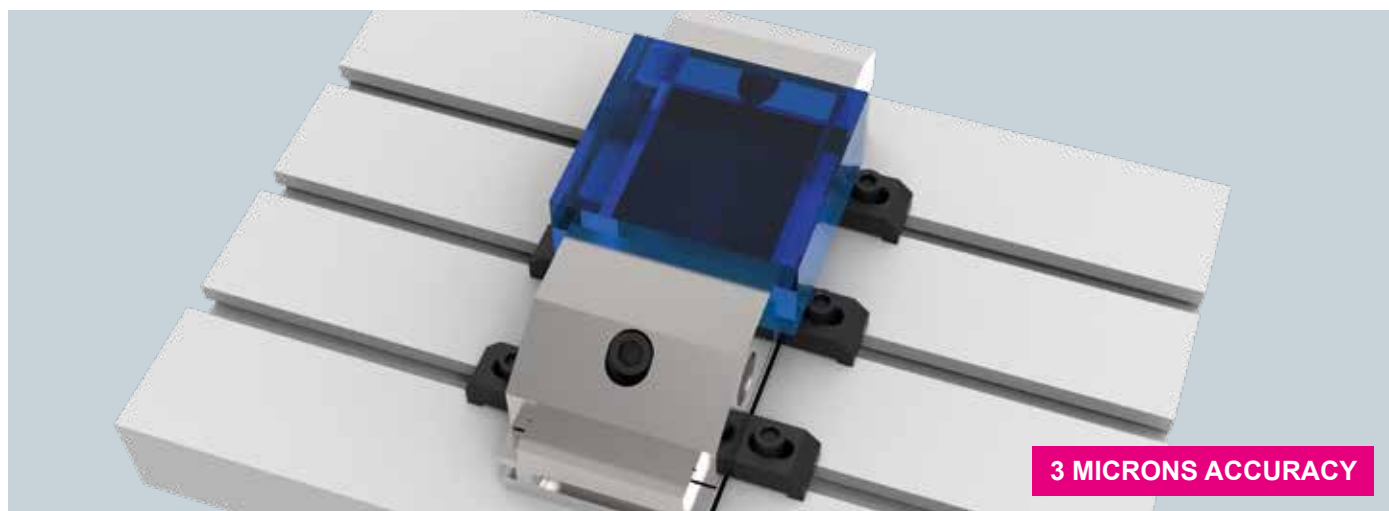
	kN	0	1	2	3	4	5	6	7	8
				16 kN	16 kN	18 kN	18 kN	18 kN	18 kN	20 kN
Apertura massima / Maximum spread	A	27	80	100	120	160	180	200	260	200
Art. 666	W	30	60	75	100	125	125	125	125	160
Morsa serie OK in acciaio / Series OK vises in steel	B	15	28	40	45	50	50	50	50	63
	C	15	28	35	42	50	50	50	50	63
	D	75	175	220	260	330	350	370	430	410
	E	15	40	50	55	65	65	65	65	80
	F	33	55	50	85	105	105	105	110	130
	kg	0,28	2,820	5,820	10,740	19,450	20,080	20,720	26,720	38
	Cod.	3.66.60000	3.66.61000	3.66.62000	3.66.63000	3.66.64000	3.66.65000	3.66.66000	3.66.67000	3.66.68000


Art. 666S

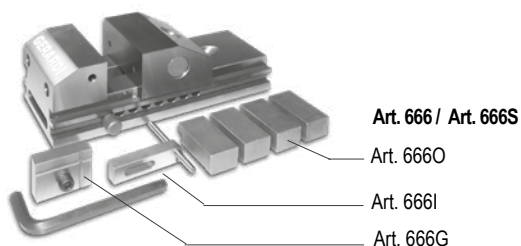
Morsa serie **OK** in acciaio **INOX** Tipo * **X39 Cr13** per elettroerosione. Stesse caratteristiche dell' Art. 666
 Series **OK** vises in **INOX** steel Type * **X39 Cr13** for E.D.M. machines. Same features and dimension of the Art. 666

* Acciaio temprato a basso contenuto di ferro (Max resistenza alla corrosione dopo tempra e rettifica)
 Low carbon hardened steel (max resistance against corrosion after hardening process and grinding operations)

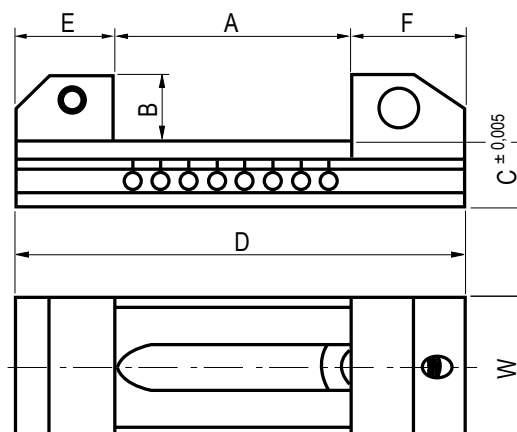
Cod. 3.66.6S000 3.66.6S100 3.66.6S200 3.66.6S300 3.66.6S400 3.66.6S500 3.66.6S600 3.66.6S700 3.66.6S800


Dotazione standard:

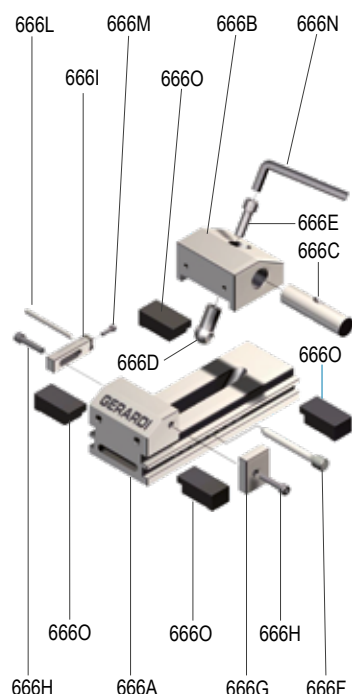
- 4 staffe di fissaggio Art. 666O
- 1 arresto laterale fisso Art. 666G (NON FORNITO con morsa Tipo 0) ■ 1 arresto laterale mobile Art. 666I


Standard equipment:

- 4 clamping jaws Art. 666O
- 1 fixed work stop Art. 666G (NOT INCLUDED with Type 0 vises) ■ 1 movable work stop Art. 666I

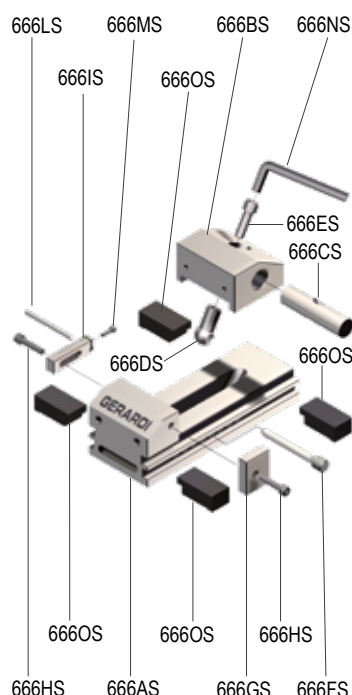


Tipo (grandezza) morsa / Vise type (size)	0	1	2	3	4	5	6	7	8
			16 kN	16 kN	18 kN	18 kN	18 kN	18 kN	20 kN

Parti di ricambio per Art. 666 / Spare parts for Art. 666
Art. 666


Art. 666A	Cod.	7.66.6A000	7.66.6A100	7.66.6A200	7.66.6A300	7.66.6A400	7.66.6A500	7.66.6A600	7.66.6A700	7.66.6A800
Art. 666B	Cod.	7.66.6B000	7.66.6B100	7.66.6B200	7.66.6B300	7.66.6B400	7.66.6B500	7.66.6B600	7.66.6B700	7.66.6B800
Art. 666C	Cod.	7.66.6C000	7.66.6C100	7.66.6C200	7.66.6C300	7.66.6C400	7.66.6C500	7.66.6C600	7.66.6C700	7.66.6C800
Art. 666D	Cod.	7.66.6D000	7.66.6D100	7.66.6D200	7.66.6D300	7.66.6D400	7.66.6D500	7.66.6D600	7.66.6D700	7.66.6D800
Art. 666E	Cod.	7.66.6E000	7.66.6E100	7.66.6E200	7.66.6E300	7.66.6E400	7.66.6E500	7.66.6E600	7.66.6E700	7.66.6E800
Art. 666F	Cod.	7.66.6F000	7.66.6F100	7.66.6F200	7.66.6F300	7.66.6F400	7.66.6F500	7.66.6F600	7.66.6F700	7.66.6F800
Art. 666G	Cod.	7.66.6G000	7.66.6G100	7.66.6G200	7.66.6G300	7.66.6G400	7.66.6G500	7.66.6G600	7.66.6G700	7.66.6G800
Art. 666H	Cod.	7.66.6H000	7.66.6H100	7.66.6H200	7.66.6H300	7.66.6H400	7.66.6H500	7.66.6H600	7.66.6H700	7.66.6H800
Art. 666I	Cod.	7.66.6I000	7.66.6I100	7.66.6I200	7.66.6I300	7.66.6I400	7.66.6I500	7.66.6I600	7.66.6I700	7.66.6I800
Art. 666L	Cod.	7.66.6L000	7.66.6L100	7.66.6L200	7.66.6L300	7.66.6L400	7.66.6L500	7.66.6L600	7.66.6L700	7.66.6L800
Art. 666M	Cod.	7.66.6M000	7.66.6M100	7.66.6M200	7.66.6M300	7.66.6M400	7.66.6M500	7.66.6M600	7.66.6M700	7.66.6M800
Art. 666N	Cod.	7.66.6N000	7.66.6N100	7.66.6N200	7.66.6N300	7.66.6N400	7.66.6N500	7.66.6N600	7.66.6N700	7.66.6N800
Art. 666O	Cod.	7.66.6O000	7.66.6O100	7.66.6O200	7.66.6O300	7.66.6O400	7.66.6O500	7.66.6O600	7.66.6O700	7.66.6O800

Tipo (grandezza) morsa / Vise type (size)	0	1	2	3	4	5	6	7	8
			16 kN	16 kN	18 kN	18 kN	18 kN	18 kN	20 kN

Parti di ricambio in acciaio inox per Art. 666S / Spare parts in stainless steel for Art. 666
Art. 666S


Art. 666AS	Cod.	7.66.6AS00	7.66.6AS10	7.66.6AS20	7.66.6AS30	7.66.6AS40	7.66.6AS50	7.66.6AS60	7.66.6AS70	7.66.6AS80
Art. 666BS	Cod.	7.66.6BS00	7.66.6BS10	7.66.6BS20	7.66.6BS30	7.66.6BS40	7.66.6BS50	7.66.6BS60	7.66.6BS70	7.66.6BS80
Art. 666CS	Cod.	7.66.6CS00	7.66.6CS10	7.66.6CS20	7.66.6CS30	7.66.6CS40	7.66.6CS50	7.66.6CS60	7.66.6CS70	7.66.6CS80
Art. 666DS	Cod.	7.66.6DS00	7.66.6DS10	7.66.6DS20	7.66.6DS30	7.66.6DS40	7.66.6DS50	7.66.6DS60	7.66.6DS70	7.66.6DS80
Art. 666ES	Cod.	7.66.6ES00	7.66.6ES10	7.66.6ES20	7.66.6ES30	7.66.6ES40	7.66.6ES50	7.66.6ES60	7.66.6ES70	7.66.6ES80
Art. 666FS	Cod.	7.66.6FS00	7.66.6FS10	7.66.6FS20	7.66.6FS30	7.66.6FS40	7.66.6FS50	7.66.6FS60	7.66.6FS70	7.66.6FS80
Art. 666GS	Cod.	7.66.6GS00	7.66.6GS10	7.66.6GS20	7.66.6GS30	7.66.6GS40	7.66.6GS50	7.66.6GS60	7.66.6GS70	7.66.6GS80
Art. 666HS	Cod.	7.66.6HS00	7.66.6HS10	7.66.6HS20	7.66.6HS30	7.66.6HS40	7.66.6HS50	7.66.6HS60	7.66.6HS70	7.66.6HS80
Art. 666IS	Cod.	7.66.6IS00	7.66.6IS10	7.66.6IS20	7.66.6IS30	7.66.6IS40	7.66.6IS50	7.66.6IS60	7.66.6IS70	7.66.6IS80
Art. 666LS	Cod.	7.66.6LS00	7.66.6LS10	7.66.6LS20	7.66.6LS30	7.66.6LS40	7.66.6LS50	7.66.6LS60	7.66.6LS70	7.66.6LS80
Art. 666MS	Cod.	7.66.6MS00	7.66.6MS10	7.66.6MS20	7.66.6MS30	7.66.6MS40	7.66.6MS50	7.66.6MS60	7.66.6MS70	7.66.6MS80
Art. 666NS	Cod.	7.66.6NS00	7.66.6NS10	7.66.6NS20	7.66.6NS30	7.66.6NS40	7.66.6NS50	7.66.6NS60	7.66.6NS70	7.66.6NS80
Art. 666OS	Cod.	7.66.6OS00	7.66.6OS10	7.66.6OS20	7.66.6OS30	7.66.6OS40	7.66.6OS50	7.66.6OS60	7.66.6OS70	7.66.6OS80

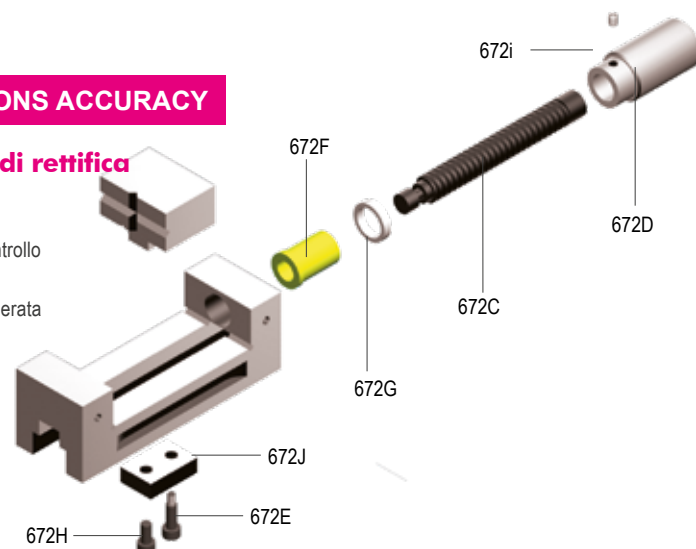
MORSE per RETTIFICA

GRINDING VISES

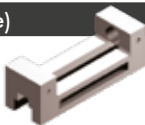
3 MICRONS ACCURACY
Una morsa estremamente precisa, adatta a lavorazioni di rettifica
High precision vise ideal for grinding operations

- Particolarmente adatta per lavori di alta precisione su rettificatrici e apparecchiature di controllo
- Costruita completamente in acciai temprati a durezza 58/60 HRC
- Perfettamente rettificata su tutti i suoi piani onde per ottenere i 90° in ogni posizione desiderata
- La ganaschia mobile ha due V ortogonali per bloccare pezzi cilindrici
- Tolleranze millesimali: ± 0.003 mm.

- Ideal for high-precision grinding machines or for inspection work
- Entirely made of non-deformable alloy steel hardened to 58/60 HRC
- Perfectly ground surfaces in order to reach 90° in any position
- The movable jaw has two prismatic surfaces in order to clamp round workpieces
- Accuracy: ± 0.003 mm



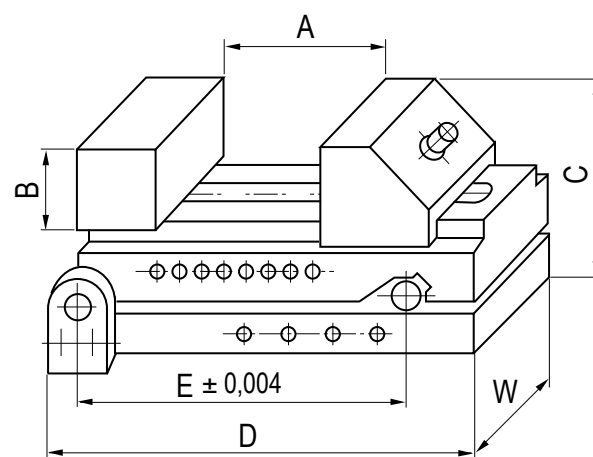
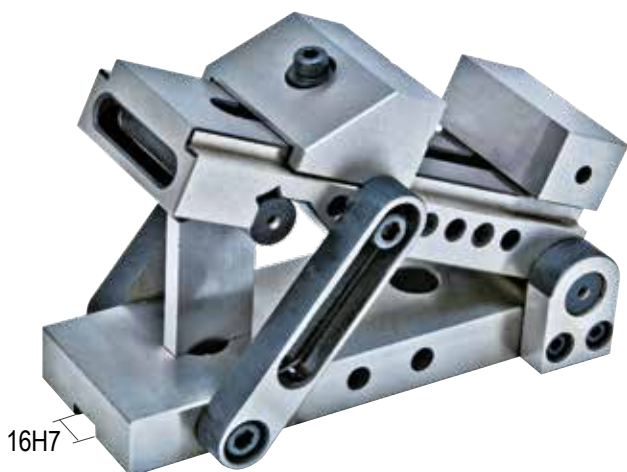
Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6	7
Apertura massima / Maximum spread								
Art. 672 Morsa serie OK in acciaio Series OK vises in steel	A	67	92,8	102	100,6	126,2	160	170
	W	50	62,9	73	80,2	100,1	125	150
	B	25	31	35	40	50	50	50
	C	50	62,8	70	80	95	100	100
	D	150	190,6	205	215,6	260,4	315	350
	E	23	31 / 26,2	28	39,2 / 33,3	38,3 / 38,4	38	40
	F	37	40	47	42,5	57,5	79	100
	H	215	250	280	390	330	364	399
	kg	2,7	3,7	5,3	6,5	11,1	18,5	21
	Cod.	1.67.21000	1.67.22000	1.67.23000	1.67.24000	1.67.25000	1.67.26000	1.67.27000

Tipo (grandezza) morsa / Vise type (size)			1	2	3	4	5	6	7	
Base Morsa Vise Base	Art. 672A		Cod.	1.67.2A100	1.67.2A200	1.67.2A300	1.67.2A400	1.67.2A500	1.67.2A600	1.67.2A700
Ganascia Mobile Movable Jaw	Art. 672B		Cod.	1.67.2B100	1.67.2B200	1.67.2B300	1.67.2B400	1.67.2B500	1.67.2B600	1.67.2B700
Vite di Spinta Main Screw	Art. 672C		Cod.	1.67.2C100	1.67.2C200	1.67.2C300	1.67.2C400	1.67.2C500	1.67.2C600	1.67.2C700
Impugnatura Vite Handle screw	Art. 672D		Cod.	1.67.2D100	1.67.2D200	1.67.2D300	1.67.2D400	1.67.2D500	1.67.2D600	1.67.2D700
Vite calibrata ganaschia mobile Movable jaw shoulder screw	Art. 672E		Cod.	1.67.2E100	1.67.2E200	1.67.2E300	1.67.2E400	1.67.2E500	1.67.2E600	1.67.2E700
Boccola Bushing	Art. 672F		Cod.	1.67.2F100	1.67.2F200	1.67.2F300	1.67.2F400	1.67.2F500	1.67.2F600	1.67.2F700
Ghiera Nut	Art. 672G		Cod.	1.67.2G100	1.67.2G200	1.67.2G300	1.67.2G400	1.67.2G500	1.67.2G600	1.67.2G700
Vite Screw	Art. 672H		Cod.	1.67.2H100	1.67.2H200	1.67.2H300	1.67.2H400	1.67.2H500	1.67.2H600	1.67.2H700
Vite Screw	Art. 672I		Cod.	1.67.2I100	1.67.2I200	1.67.2I300	1.67.2I400	1.67.2I500	1.67.2I600	1.67.2I700
Pattino ganaschia mobile Sliding plate for movable jaw	Art. 672J		Cod.	1.67.2J100	1.67.2J200	1.67.2J300	1.67.2J400	1.67.2J500	1.67.2J600	1.67.2J700

Tipo (grandezza) morsa / Vise type (size)		1	2	3
Apertura massima / Maximum spread	A	100	120	160
Art. 667	W	75	100	125
	B	32	45	50
	C	95	116	139
	D	214	244	303,5
	E	150	200	240
	kg	9	15	26
Cod.		1.66.71000	1.66.72000	1.66.73000

Morse di precisione con barraseno (0 - 90°)
 Precision sine vises (0 - 90°)

- Superfici rettificate, temperate e lappate
- **Ortogonalità e parallelismo:** 0,003 mm / 100 mm
- Ideali per operazioni di controllo, rettifica, elettroerosione e fresatura
- All case hardened and hardened HRC 60 steel
- **Squareness and parallelism:** 0,003 mm / 100 mm
- Ideal for grinding E.D.M. machine and for milling operations also for checking and control



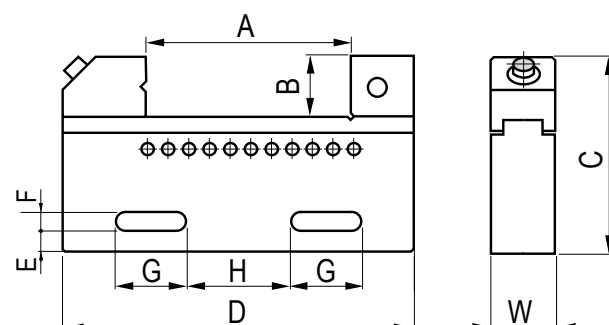
Dotazione standard: 2 chiavi di servizio Art. 376
 Standard equipment: 2 wrenches Art. 376

Tipo (grandezza) morsa / Vise type (size)		1	2	3
Apertura massima / Maximum spread	A	100	150	214
Art. 668	W	32	32	36
	B	30	35	40
	C	95	100	110
	D	170	226	300
	E	11	11	13,5
	F	9	9	9
	G	34	34	34
	H	50	70	70
	kg	4	5	6
Cod.		1.66.81000	1.66.82000	1.66.83000

Morse di precisione in acciaio inox
 Stainless steel precision vises

Costruita in acciaio inox. Durezza HRC50-55
 Parallelismo e ortogonalità 0,005-0,008. Alta resistenza alla corrosione.
 Ideali per operazioni di controllo e elettroerosione

Made of high quality stainless steel. Hardness HRC50-55.
 Parallelism and squareness of 0,005-0,008 mm. High corrosion-resistance.
 Best for measurement, inspection, EDM and wire-cutting machining.



Dotazione standard: 1 chiave di servizio Art. 376
 Standard equipment: 1 wrench Art. 376

Diagrammi di serraggio / Clamping diagrams

OK Series

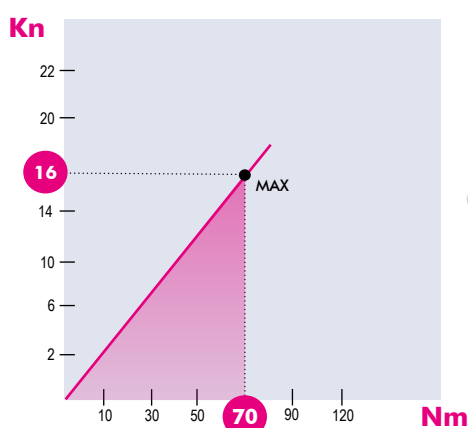
Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Art. 666 / 666S

Morse tipo
Vises type

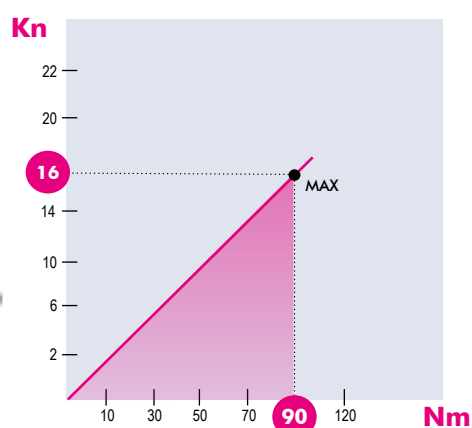
2



Art. 357

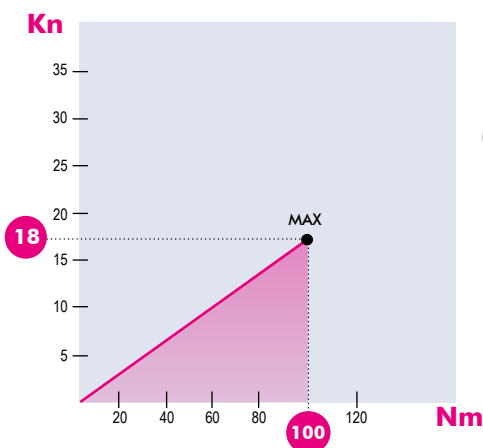
Morse tipo
Vises type

3



Morse tipo
Vises type

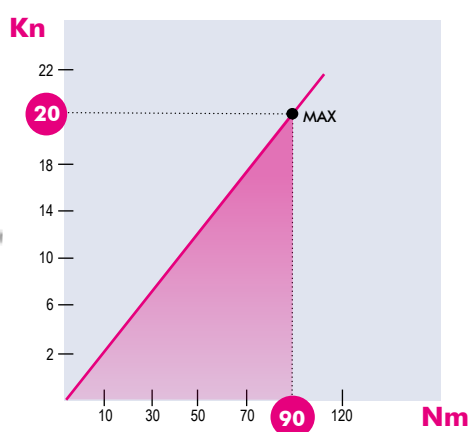
4-5-6-7



Art. 357

Morse tipo
Vises type

8



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.