

The perfect mix!

Price, Quality, Versatility

STD - StandardFLEX - OK

Morse e Cubi / Vises & Vise Towers

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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

PRICE LIST € ~~1.807~~

SPECIAL PRICE € **1.000**

Art. 985

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



Morsa / Vise Art. 1A

Cod. 0.98.50000

PRICE LIST € ~~1.833~~

SPECIAL PRICE € **1.000**

Art. 1 - All'Interno - Inside:

Art.132	Art.313	Art.298	Art.147	Art.283	Art.376
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Art. 1A - All'Interno - Inside:

Art.138	Art.212	Art.230B	Art.230C	Art.230D	Art.230E
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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 GANASCE JAW PLATES		Discendente Pull down		Piana Straight		Cambio rapido manuale Quick manual change		GRIP integrale integral GRIP		Inserti GRIP GRIP Inserts	StandardFLEX
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 ± 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 ± 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 ganaschia) 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.

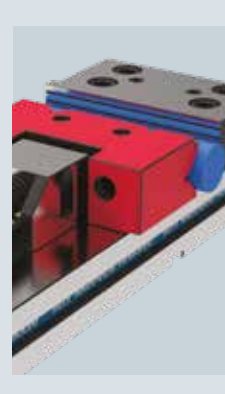
Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1- Hydraulic / 2- Pneumatic / 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 ganaschia 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 rised workpieces for drilled through on the step



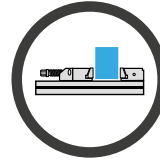
Fori filettati per sovraganascia Threaded holes for stack type jaw

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 ganasca fissa, la perpendicolarità della ganasca 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 trinomio perfetto!
Convenienza, Qualità, Versatilità

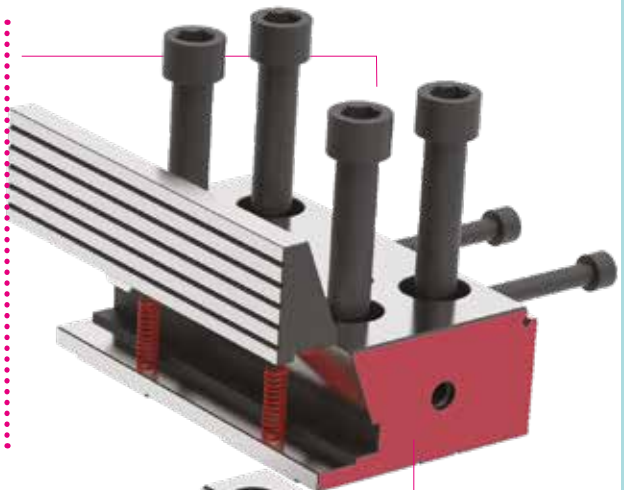
The perfect mix!
Price, Quality, Versatility

Versatility / Versatility

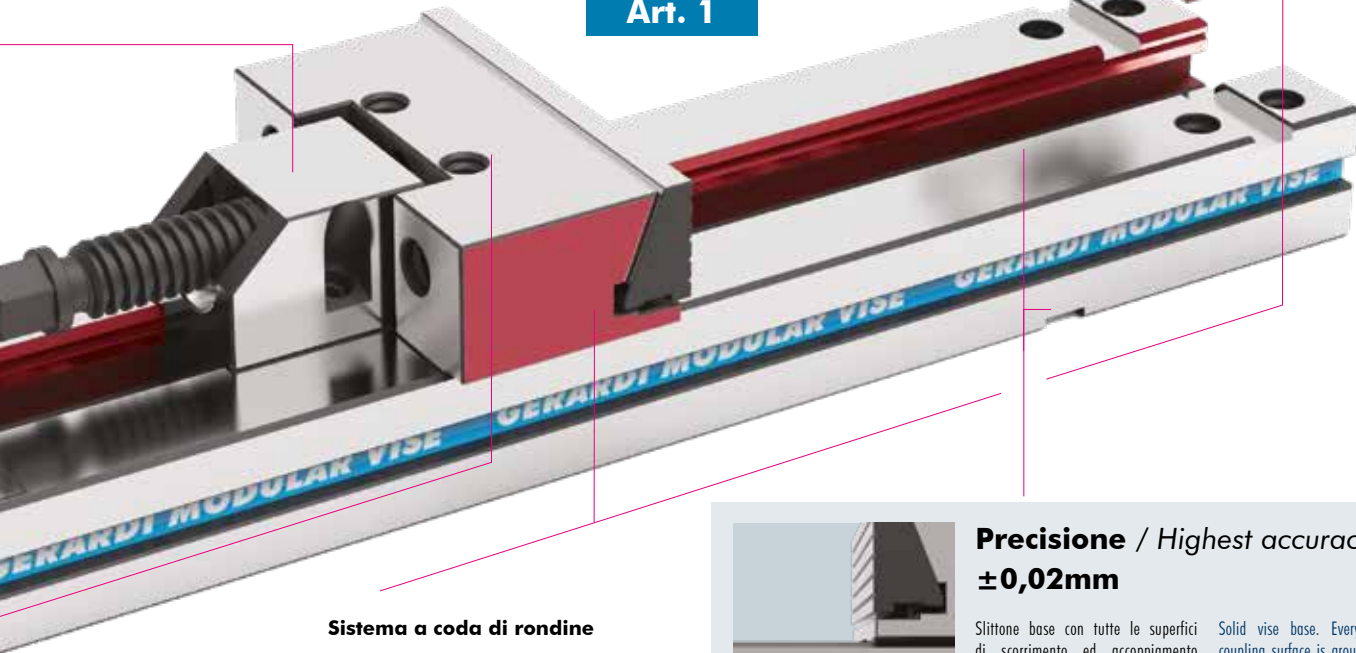


La ganasca fissa con gradino posteriore di 5x5 mm consente, una volta ruotata di 180°, il perfetto accoppiamento al gradino della ganasca prismatica mobile (Art.217) ordinabile separatamente: è così possibile il serraggio di pezzi piatti senza parallele e di tondi sia in orizzontale che in verticale. Inoltre è disponibile una vastissima gamma di ganasce nonché un sistema di parallele piane e angolari per le più svariati 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, prelaborando 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 ±0,02mm

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

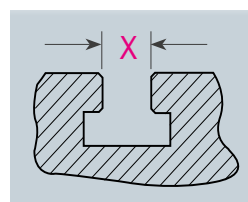
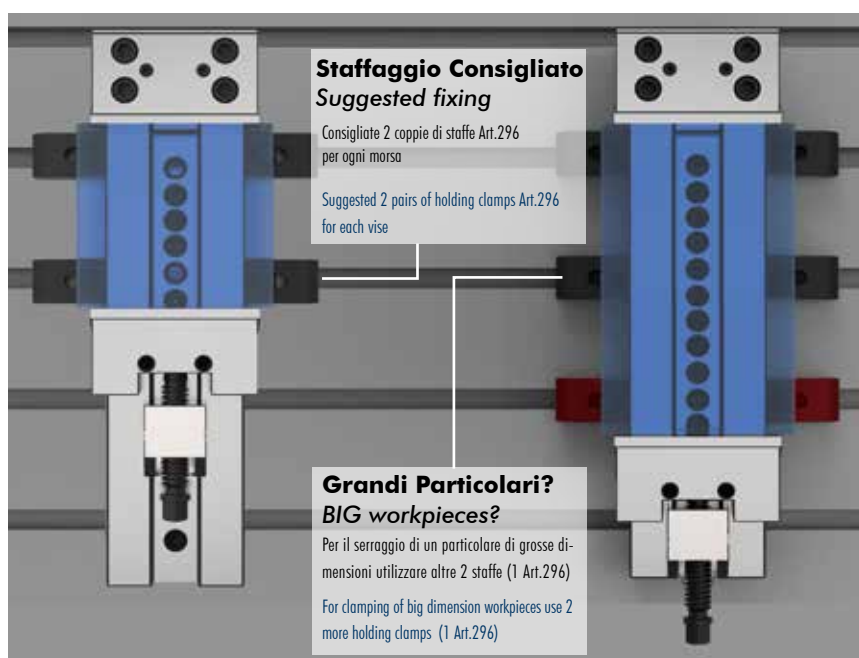


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm

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

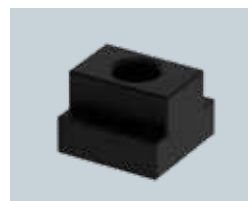


Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

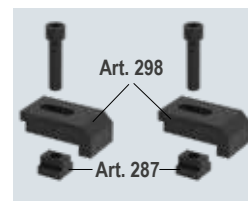


Art.287 (Pag.4.34)

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	Cava a T slot X	12	14	16	18	12*	14	16	18	20	18*	20	22	16	18	20	22	18*	20	22	16	18	20	22	18*	20	22						
Coppia di staffe Holding clamps pair	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	50	50	50	50	76	76	76	76	76	76	76	76	86	86	86	86	86	86	86	86	86	86	86	86				
	B	24	24	24	24	24	24	24	24	30	30	30	30	30	30	30	30	40	40	40	40	40	40	40	40	40	40	40	40				
	C	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	10	10	10	10	10	10	10	10	10	10	10	10				
	Ø D	8,5	11	13	17	11	13	17	17	13	17	17	17	13	17	17	17	13	17	17	13	17	17	17	17	13	17	17	17				
	E	10	10	10	10	10	10	10	10	13	13	13	13	13	13	13	13	15	15	15	15	15	15	15	15	15	15	15	15				
	Ø F	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	G	14	16	17,5	19	16	17,5	19	19	17	19	19	19	17	19	19	19	26	26	26	26	26	26	26	26	26	26	26	26				
	G1	17	15	13	9	15	13	9	9	22	15	15	15	22	15	15	15	27	27	27	27	27	27	27	27	27	27	27	27				
	H	34	34	34	34	34	34	34	34	42	42	42	42	42	42	42	42	50	50	50	50	50	50	50	50	50	50	50	50				
	I	8	10	10	10	10	10	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	J	4	4	4	4	4	4	4	4	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10				
	T ± 0,1	15	15	15	15	15	15	15	15	20	20	20	20	20	20	20	20	26	26	26	26	26	26	26	26	26	26	26	26				
Cod.	2.29.61000 / M8	2.29.61000 / M10	2.29.61000 / M12	2.29.61000 / M16	2.29.61000 / M12	2.29.61000 / M12	2.29.61000 / M12	2.29.61000 / M12	2.29.63000 / M12	2.29.63000 / M12	2.29.63000 / M12	2.29.63000 / M12	2.29.63000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12	2.29.65000 / M12							
€	37	37	37	37	37	37	37	37	48	48	48	48	48	48	48	48	74	74	74	74	74	74	74	74	74	74	74	74					

* 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

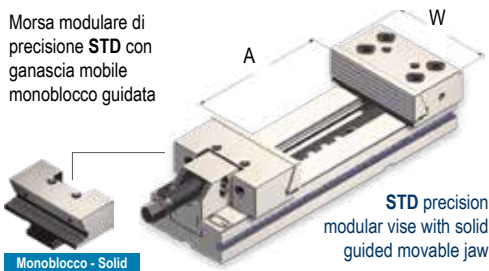
Costruzione in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 60 ±2 HRC

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

Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3		4			
		16 kN	25 kN	30 kN		30 kN			
Apertura massima / Maximum spread	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	6.8	12.9	25.5	29	37	42	47	52
	Cod.	3.01.00000	3.02.10000	3.03.20000	3.03.30000	3.04.20000	3.04.30000	3.04.40000	3.04.50000
	€	602	663	724	843	1.026	1.085	1.205	1.446

Art. 1

Morsa modulare di precisione STD con ganascia mobile monoblocco guidata



STD precision modular vise with solid guided movable jaw

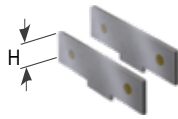
Monoblocco - Solid

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

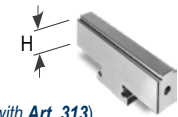


Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
€	62	80	100	118
H	23	33	43	53

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
€	91	111	145	182

Art. 217

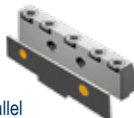
Ganascia mobile prismatica
Prismatic movable jaw



Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000
€	144	120	170	230

Art. 242G

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

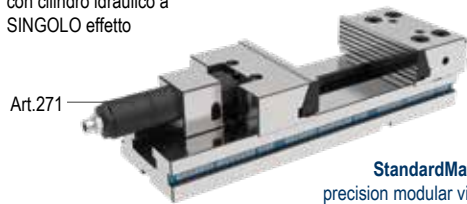


Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400
€	121	131	170	190

Art. 1E

Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto

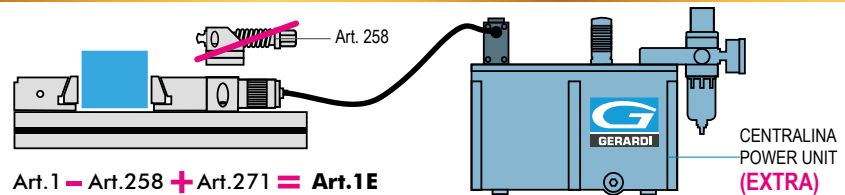
NEW 2021



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41							
€	789	857	930	1.051	1.258	1.318	1.438	1.679

MORSE StandardMatic

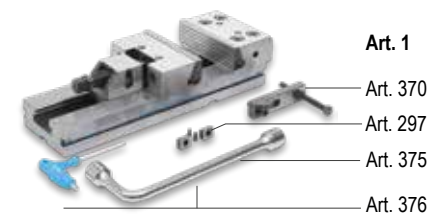


Dotazione standard:

- 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): € 90,00

Extra per ogni chiave a (tolleranza H7): € 200,00

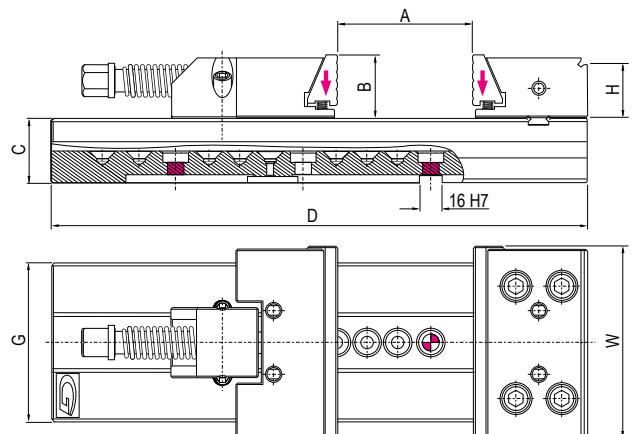


Standard equipment:

- 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): € 90,00

Extra charge for each calibrated key nut (F7 tolerance): € 200,00



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

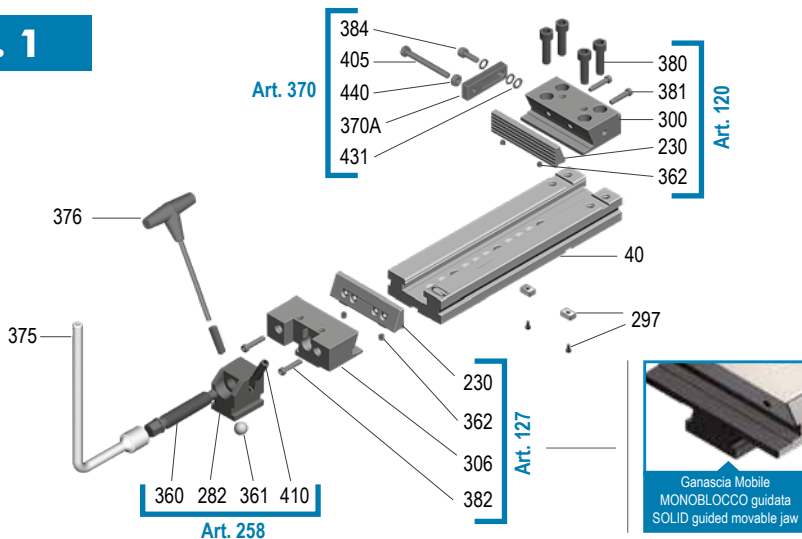
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	200					300						
B	65					80						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	3.05.20000	3.05.30000	3.05.40000	3.05.50000	3.05.60000	3.06.20000	3.06.30000	3.06.40000	3.06.50000	3.06.60000	3.06.70000	3.06.80000
€	1.325	1.567	1.808	2.170	2.531	2.049	2.531	3.014	3.376	3.737	4.098	4.459

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C	Art. 313	134	53		4.31.3600C	151	68					
1.21.25000	Art. 212	219			1.21.26000	303						
2.21.75000	Art. 217	303			2.21.76000	517						
1.24.2G500	Art. 242G	260			1.24.2G600	340						
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41											
€	1.606	1.848	2.089	2.451	2.812	2.244	2.726	3.209	3.571	3.932	4.293	4.654

StandardMatic VISES

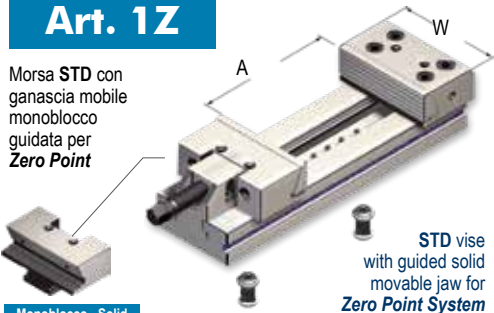
Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 1


Art.	Pag.	Art.	Pag.
40	1.24	376	4.35
230	4.9	380	4.28
282	4.36	381	4.28
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)	kN	1*	2	3		4			
		16 kN	25 kN	30 kN		30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
Art. 1Z	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	1.1Z.43000	1.1Z.44000	1.1Z.45000	
€	724	783	843	964	1.146	1.205	1.325	1.567	



Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

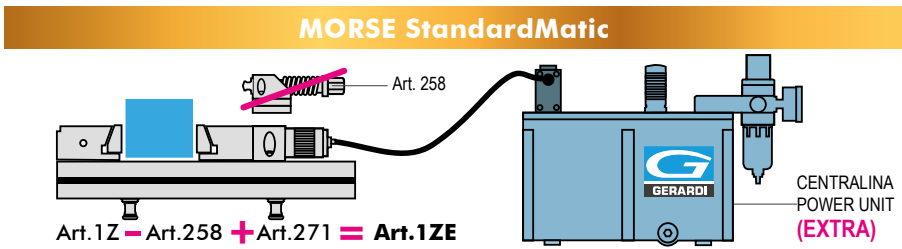
Art. 313	Parallele magnetiche Magnetic parallel plates		Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
			€	62	80	100	118
H	23	33	43	53			

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
			€	91	111	145	182

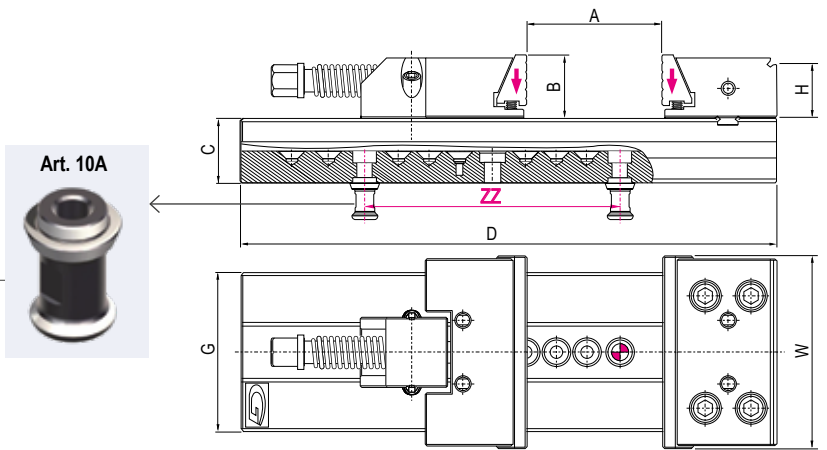
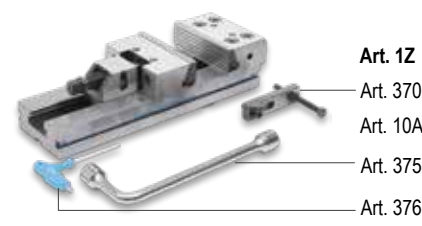
Art. 217	Ganascia mobile prismatica Prismatic movable jaw		Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000
			€	144	120	170	230

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
			€	121	131	170	190

Art. 1ZE	Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto		Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41					
				€	910	976	1.050	1.171	1.379



- 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

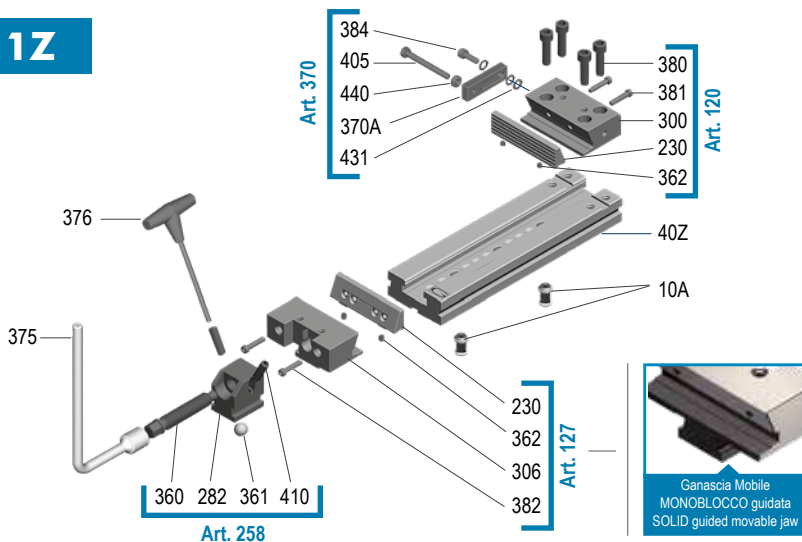
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	200					300						
B	65					80						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1Z.52000	1.1Z.53000	1.1Z.54000	1.1Z.55000	1.1Z.56000	1.1Z.62000	1.1Z.63000	1.1Z.64000	1.1Z.65000	1.1Z.66000	1.1Z.67000	1.1Z.68000
€	1.446	1.688	1.927	2.290	2.651	2.170	2.651	3.133	3.496	3.857	4.219	4.580

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C	Art. 313	134		4.31.3600C	151							
		53			68							
1.21.25000	Art. 212	219		1.21.26000	303							
2.21.75000	Art. 217	303		2.21.76000	517							
1.24.2G500	Art. 242G	260		1.24.2G600	340							
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41											
€	1.727	1.968	2.208	2.571	2.932	2.365	2.847	3.328	3.691	4.052	4.414	4.775

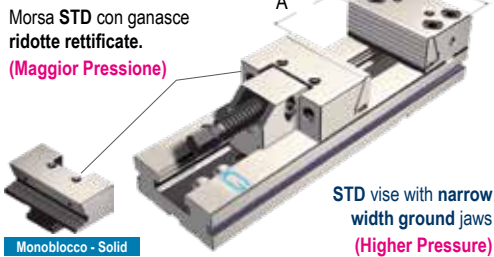
StandardMatic VISES

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	-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
Art. 12	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
	€	652	814	979	1.129	1.245	1.369	1.494	1.626


AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

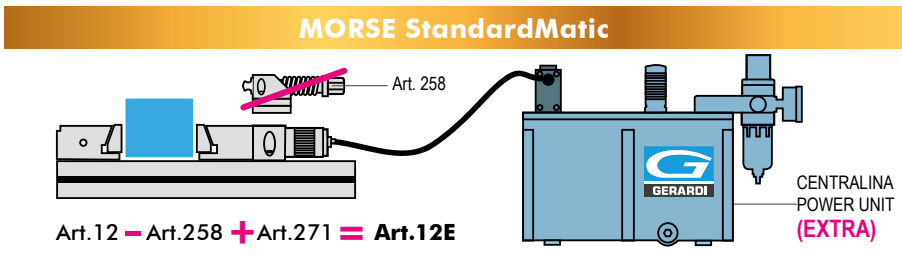
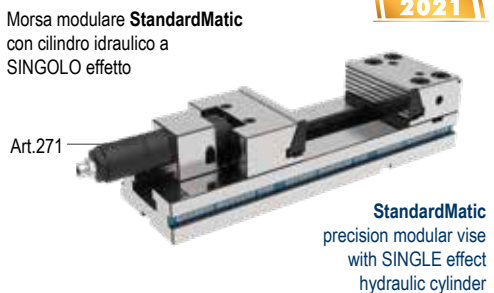
Art. 313R	Cod.	4.31.3R10C		4.31.3R20C		4.31.3R30C		4.31.3R40C	
		€	62	80	100	118	118	118	118
Parallele magnetiche Magnetic parallel plates	H	23	33	43	53	53	53	53	53

Art. 213	Cod.	1.21.31000		1.21.32000		1.21.33000		1.21.34000	
		€	91	111	145	182	182	182	182
Ganascia mobile intermedia (da usare con Art. 313R) Intermediate movable jaw (to be used with Art. 313R)	H	23	33	43	53	53	53	53	53

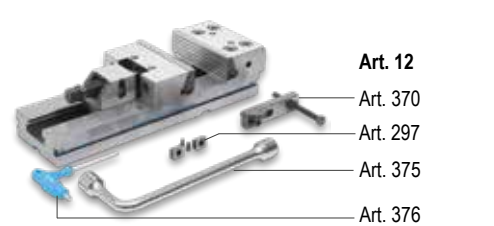
Art. 218	Cod.	2.21.81000		2.21.82000		2.21.83000		2.21.84000	
		€	144	120	170	230	230	230	230
Ganascia mobile prismatica Prismatic movable jaw	H	23	33	43	53	53	53	53	53

Art. 243G	Cod.	1.24.3G100		1.24.3G200		1.24.3G300		1.24.3G400	
		€	121	131	141	190	190	190	190
Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica Narrow width jaw plate with GRIP inserts with magnetic parallel	H	23	33	43	53	53	53	53	53

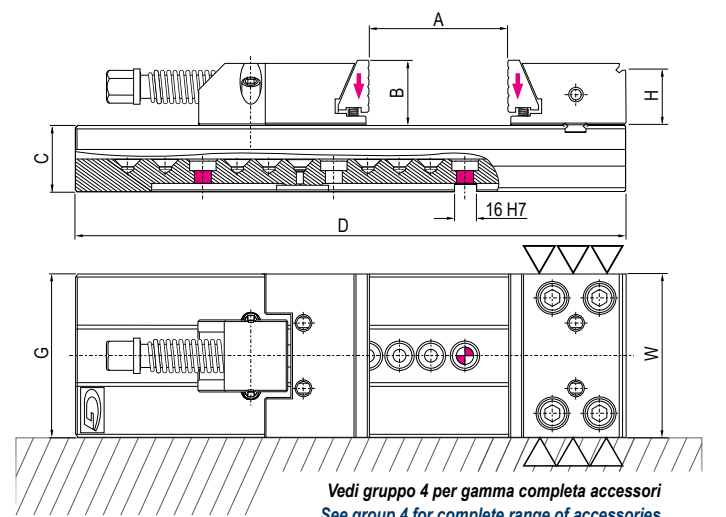
Art. 12E	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41							
		€	839	1.008	1.185	1.335	1.478	1.602	1.727



- 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): € 90,00
 Extra per ogni chiave a T (tolleranza H7): € 200,00



- 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): € 90,00
 Extra charge for each calibrated key nut (F7 tolerance): € 200,00



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

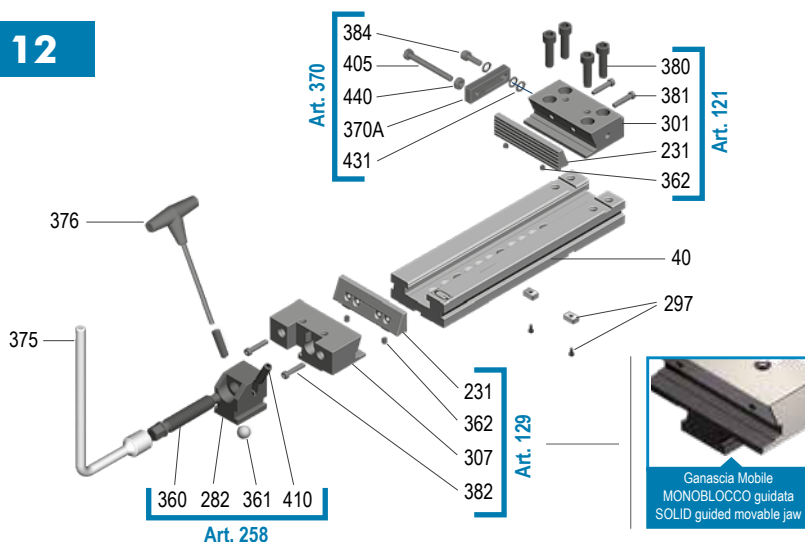
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	170					195						
B	65					80						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	62	67	72	77	82	88	98	108	118	128	138	148
Cod.	3.05.20120	3.05.30120	3.05.40120	3.05.50120	3.05.60120	3.06.20120	3.06.30120	3.06.40120	3.06.50120	3.06.60120	3.06.70120	3.06.80120
€	1.626	1.947	2.274	2.596	2.922	2.434	2.841	3.246	3.651	4.055	4.470	4.867

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3R50C		4.31.3R60C										
Art. 313R	134	151										
	53	68										
1.21.35000		1.21.36000										
Art. 213	219	303										
2.21.85000		2.21.86000										
Art. 218	303	517										
1.24.3G500		1.24.3G600										
Art. 243G	232	312										
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41												
€	1.907	2.228	2.555	2.877	3.203	2.629	3.036	3.441	3.846	4.250	4.665	5.062

StandardMatic VISES

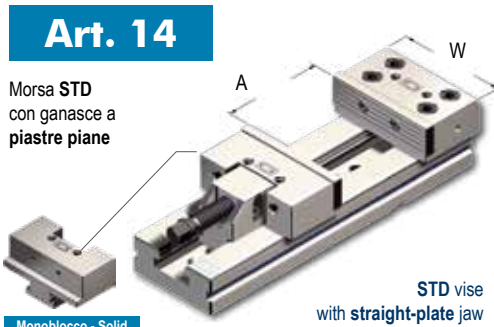

Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)


Art. 12


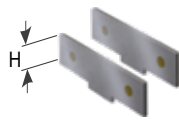
Art.	Pag.	Art.	Pag.
40	1.24	376	4.35
231	4.9	380	4.28
282	4.36	381	4.28
297	4.34	382	4.28
301	4.29	384	4.28
307	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-
375	4.35	-	-



Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	
Apertura massima / Maximum spread	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	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
	€	602	663	724	843	1.026	1.085	1.205	1.446


Art. 313

 Parallele magnetiche
 Magnetic parallel plates

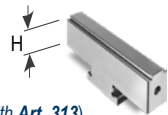
 Vedi pagina 4.27 per altezze disponibili
 See page 4.27 for available height


Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
€	62	80	100	118
H	23	33	43	53

Art. 212

 Ganascia mobile intermedia
 (da usare con Art. 313)

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



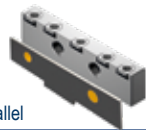
Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
€	91	111	145	182

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
€	57	62	74	91

Art. 246G

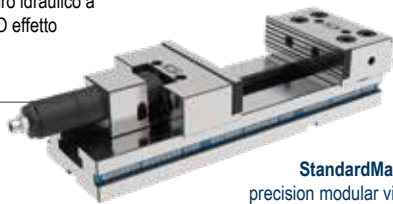
 Piastra ganascia con inserti GRIP
 completa di parallela magnetica
 Jaw plate with GRIP inserts with magnetic parallel


Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400
€	121	131	170	190

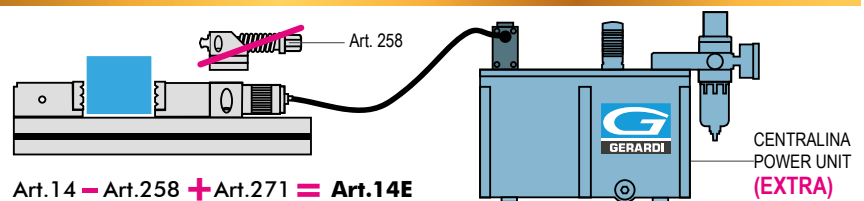
Art. 14E

 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							
€	789	857	930	1.050	1.258	1.318	1.438	1.679

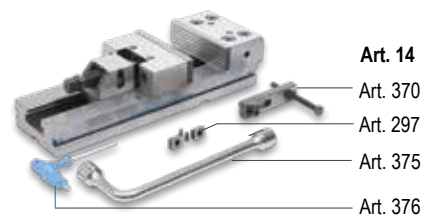
MORSE StandardMatic


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): € 90,00

Extra per ogni chiavevitta (tolleranza H7): € 200,00

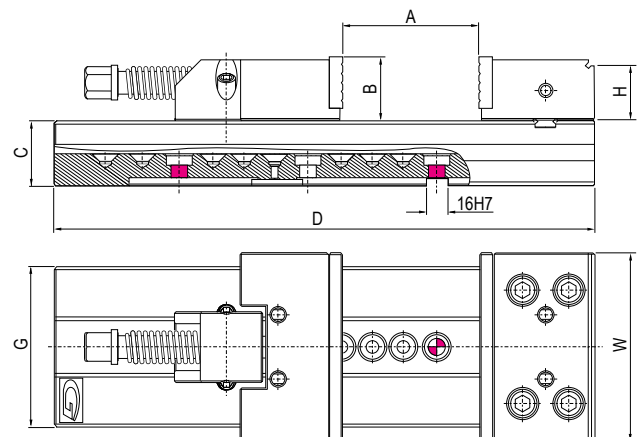


Standard equipment:

- 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

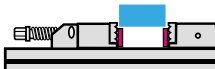


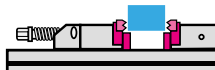
Extra charge for each calibrated hole (F7 tolerance): € 90,00

Extra charge for each calibrated key nut (H7 tolerance): € 200,00


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

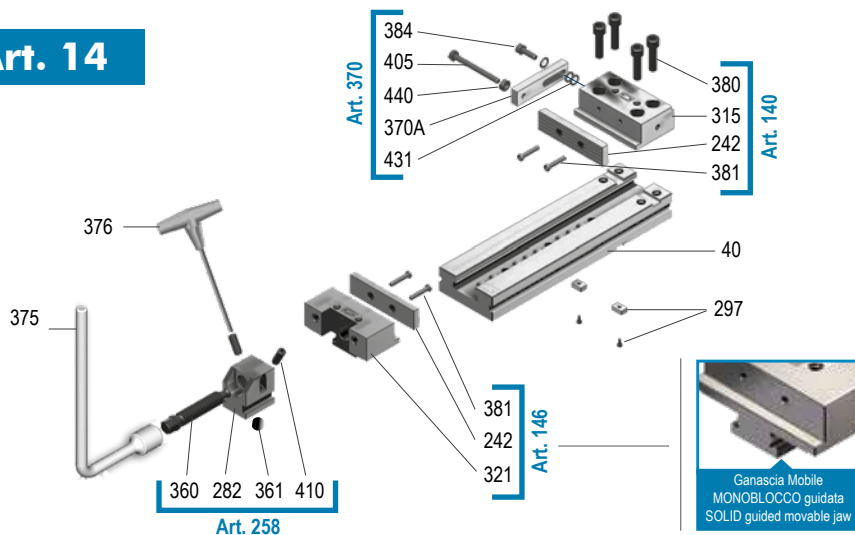
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	200					300						
B	65					80						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.14.52000	1.14.53000	1.14.54000	1.14.55000	1.14.56000	1.14.62000	1.14.63000	1.14.64000	1.14.65000	1.14.66000	1.14.67000	1.14.68000
€	1.325	1.567	1.808	2.170	2.531	2.049	2.531	3.014	3.376	3.737	4.098	4.459

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C	Art. 313	134	53		4.31.3600C	151	68					
1.21.25000	Art. 212	219			1.21.26000	303						
1.65.56200	Art. 246	127			1.65.66200	170						
1.24.6G500	Art. 246G	260			1.24.6G600	340						
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41											
€	1.606	1.848	2.089	2.451	2.812	2.244	2.726	3.209	3.571	3.932	4.293	4.654

StandardMatic VISES

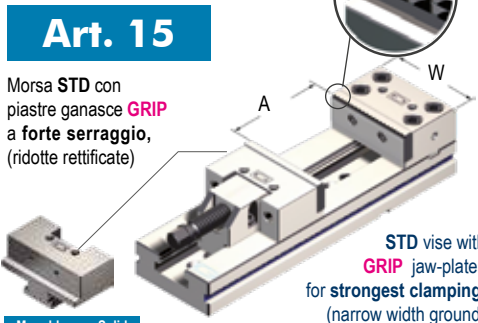
Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

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		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	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
	€	652	814	979	1.129	1.245	1.369	1.494	1.626


AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

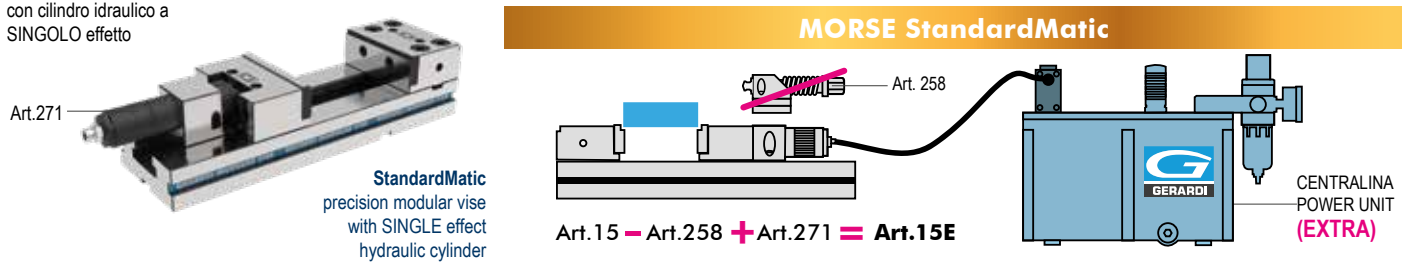
Art. 313R	Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
Parallele magnetiche Magnetic parallel plates	€	62	80	100	118
H		23	33	43	53

Art. 247	Cod.	1.65.17200	1.65.27200	1.65.37200	1.65.47200
Piastra piana ridotta in acciaio lavorabile Machinable steel narrow width straight jaw plate	€	57	62	74	91

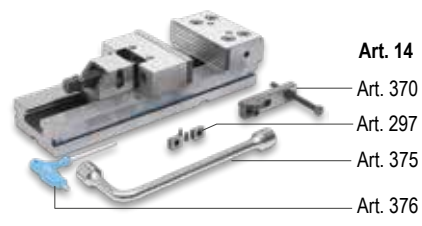
Art. 218	Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000
Ganascia mobile prismatica Prismatic movable jaw	€	144	120	170	230

Art. 247G	Cod.	1.24.7G100	1.24.7G200	1.24.7G300	1.24.7G400
Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica Narrow width jaw plate with GRIP inserts with magnetic parallel	€	121	131	170	190

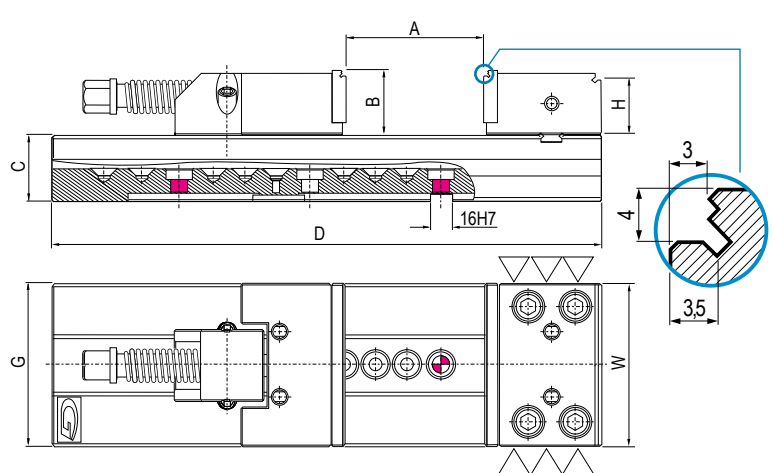
Art. 15E	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41							
Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto	€	839	1.008	1.185	1.335	1.478	1.602	1.727	1.859



- 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): € 90,00
 Extra per ogni chiavevta (tolleranza H7): € 200,00



- 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): € 90,00
 Extra charge for each calibrated key nut (F7 tolerance): € 200,00



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

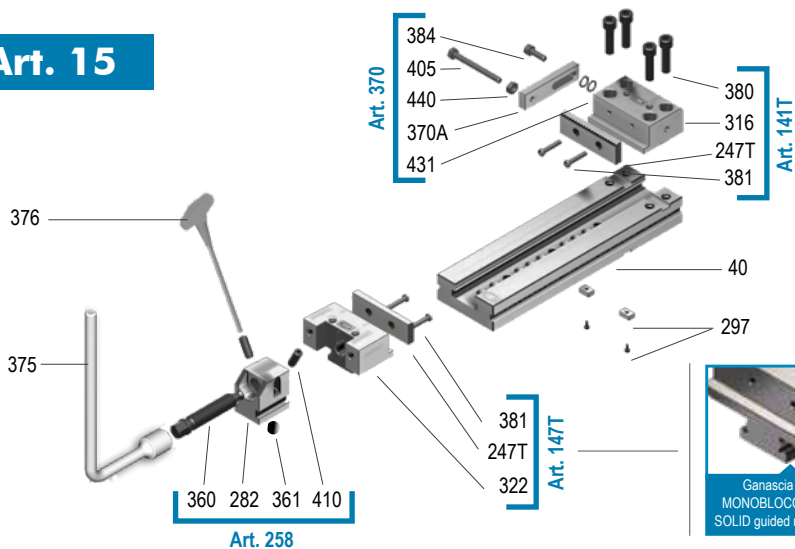
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	170					195						
B	65					80						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	62	67	72	77	82	88	98	108	118	128	138	148
Cod.	1.15.52000	1.15.53000	1.15.54000	1.15.55000	1.15.56000	1.15.62000	1.15.63000	1.15.64000	1.15.65000	1.15.66000	1.15.67000	1.15.68000
€	1.626	1.947	2.274	2.596	2.922	2.434	2.841	3.246	3.651	4.055	4.470	4.867

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3R50C		4.31.3R60C	
Art. 313R	134	151	
	53		68
1.65.57200		1.65.67200	
Art. 247	127	170	
2.21.85000		2.21.86000	
Art. 218	303	517	
1.24.7G500		1.24.7G600	
Art. 247G	260	340	
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
€	1.907	2.228	2.555
	2.877	3.203	3.203
	2.629	3.036	3.441
	3.846	4.250	4.665
	5.062		

StandardMatic VISES


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


Art. 15


Art.	Pag.	Art.	Pag.
40	1.24	380	4.28
247T	4.11	381	4.28
282	4.36	384	4.28
297	4.34	405	4.35
316	4.30	410	4.36
322	4.30	431	4.28
360	4.36	440	4.28
361	4.36	-	-
370A	4.35	-	-
375	4.35	-	-
376	4.35	-	-



Morse e Cubi / Vises & Vise Towers

StandardFLEX


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

 Durezza / Hardened
HRC 58 \pm 2

La morsa più evoluta!
The most recent vise!

CARATTERISTICHE & VANTAGGI

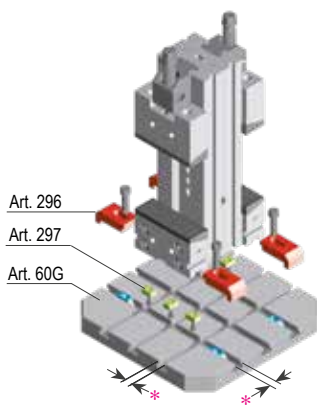
- ✓ **USURA INESISTENTE**
- ✓ **RAPIDITA' DEI SERRAGGI**
- ✓ **MODULARITA' & VERSATILITA'**
- ✓ **PRECISIONI $\pm 0,02$ mm**
- ✓ **RIGIDITA' & SICUREZZA**
- ✓ **DESIGN COMPATTO E MANEGGEVOLEZZA**

Si rimanda a quanto esposto a pag. 1.4 e 1.5

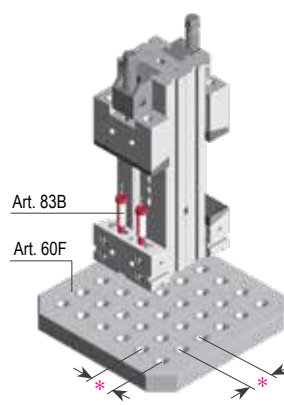
TECHNICAL FEATURES & ADVANTAGES

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

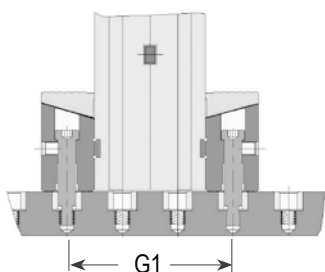
See pag. 1.4 and 1.5 (STANDARD series vises)



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

 Ancoraggio e posizionamento con staffe e chiavette
 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	

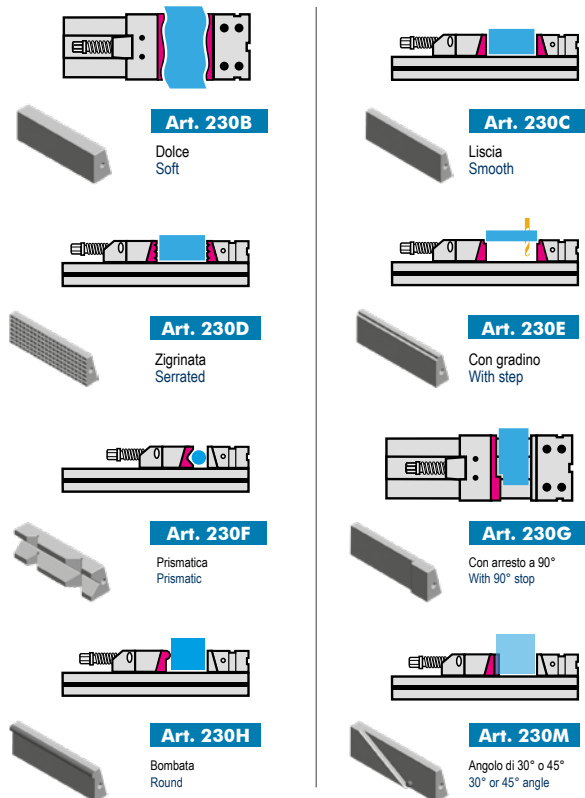


Portapiastre / The Rack

 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

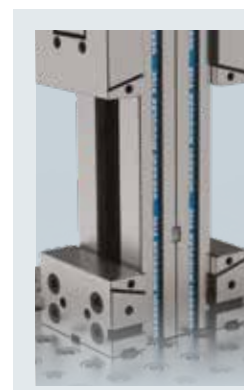
PIASTRE GANASCE DISCENDENTI INTERCAMBIABILI MANUALMENTE PULL DOWN JAW PLATES INTERCHANGEABLE BY HAND



Montaggio Verticale Vertical Mounting

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

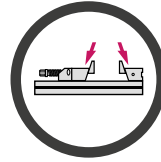
Example of vertical mounting of 2 StandardFLEX vises back to back on grid base Ø16 - 50mm Pitch



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 hand 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



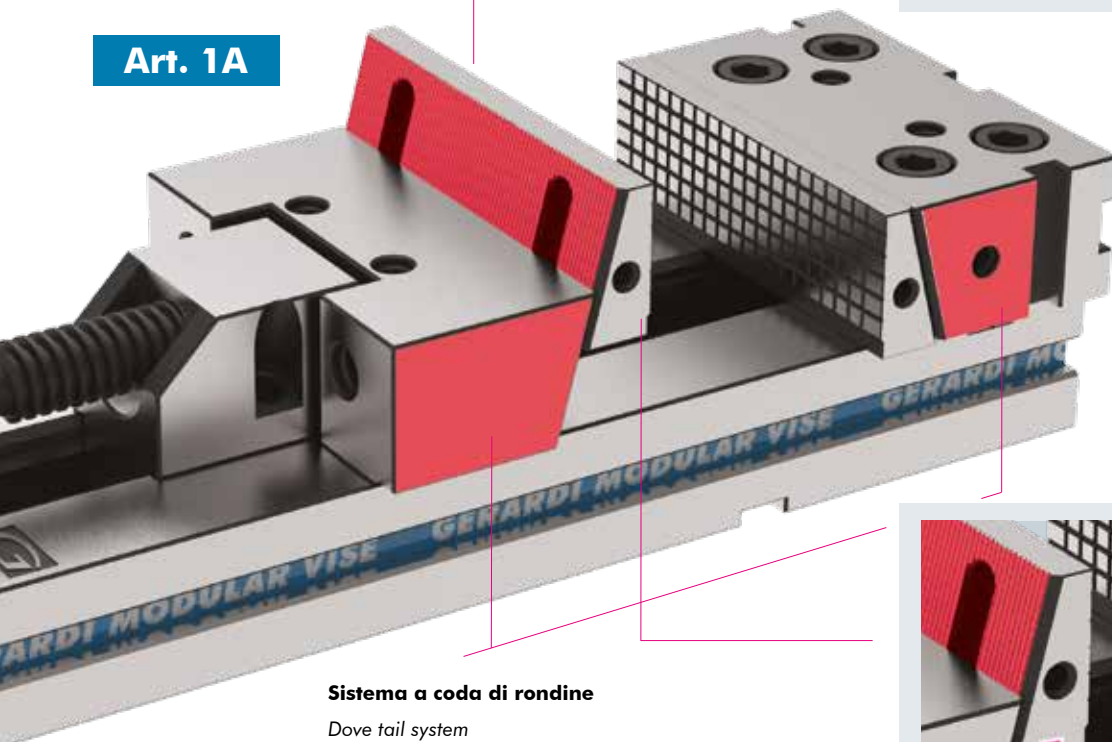
Altissima ripetibilità di posizionamento

Highest repositioning accuracy

±0,005mm

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

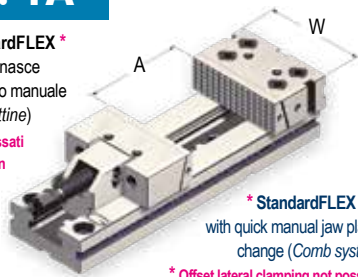
Increased and better pull down action and better protection from chips thanks to the comb system

Tipo (grandezza) morsa / Vise type (size)

	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	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
	€	652	814	979	1.129	1.245	1.369	1.494	1.589

Art. 1A

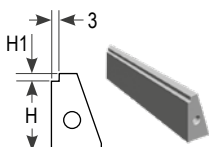
 Morsa **StandardFLEX** *
 con piastre ganasce
 a cambio rapido manuale
 (Sistema a pettine)

 * Serraggi disassati
 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


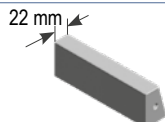
Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401
€	83	91	111	138
H	23	33	43	53
H1	5	5	5	5

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
€	91	111	145	182

Art. 230B

 Piastra ganasce intercambiabile dolce
 Soft interchangeable jaw plate


Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401
€	68	74	88	112

Art. 230F

 Piastra ganasce intercambiabile prismatica
 Prismatic interchangeable jaw plate

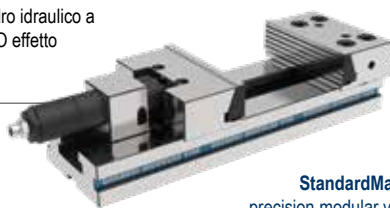

Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401
€	110	119	142	180

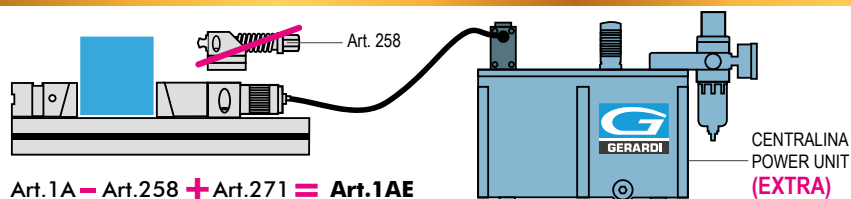
Art. 1AE

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

 NEW
 2021

Art.271

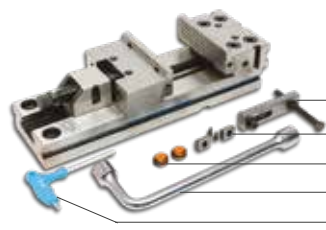

StandardMatic
 precision modular vise
 with SINGLE effect
 hydraulic cylinder

MORSE StandardMatic


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

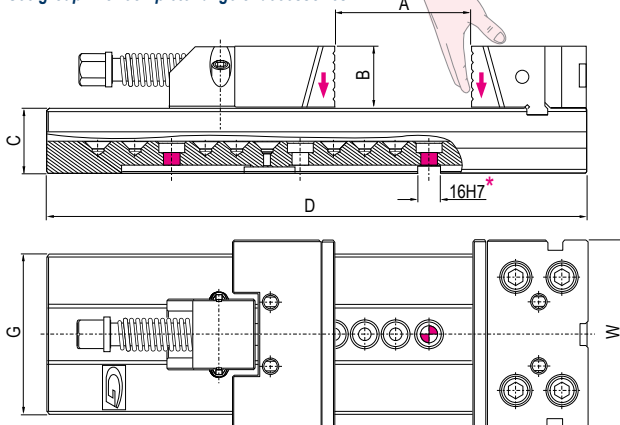

Art. 1A

- Art. 370
- Art. 297
- Art. 291
- Art. 375
- Art. 376

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: Cava 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)

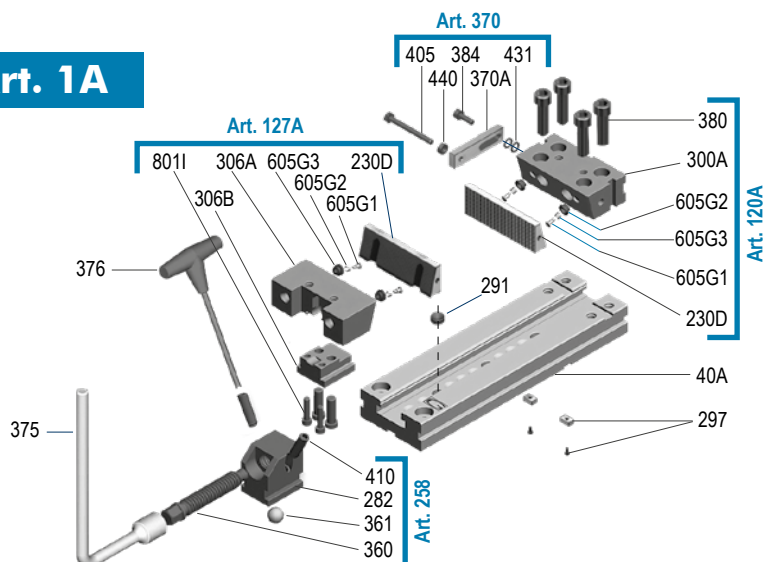
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	196					296						
B	63					78						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	170					195						
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.1A.52000	1.1A.53000	1.1A.54000	1.1A.55000	1.1A.56000	1.1A.62000	1.1A.63000	1.1A.64000	1.1A.65000	1.1A.66000	1.1A.67000	1.1A.68000
€	1.626	1.947	2.274	2.596	2.922	2.434	2.841	3.246	3.651	4.055	4.470	4.867

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501		4.23.0E601										
Art. 230E	196	Art. 230E	259									
H	53	H	68									
H1	10	H1	10									
1.21.25000		1.21.26000										
Art. 212	219	Art. 212	303									
4.23.0B501		4.23.0B601										
Art. 230B	157	Art. 230B	207									
4.23.0F501		4.23.0F601										
Art. 230F	253	Art. 230F	335									
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41												
€	1.907	2.228	2.555	2.877	3.203	2.629	3.036	3.441	3.846	4.250	4.665	5.062

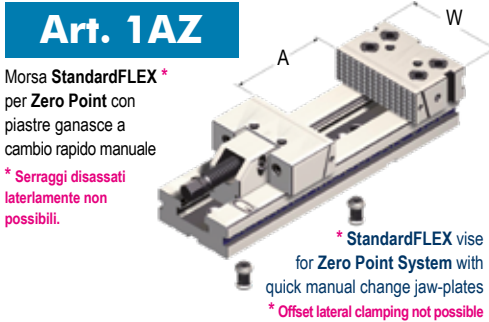
StandardMatic VISES

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

Art. 1A


Art.	Pag.	Art.	Pag.
40A	1.24	376	4.35
230D	4.21	380	4.28
282	4.36	384	4.28
291	4.35	405	4.35
297	4.34	410	4.36
300A	4.30	431	4.28
306A	4.30	440	4.28
306B	4.30	605G1	4.22
360	4.36	605G2	4.22
361	4.36	605G3	4.22
370A	4.35	801I	5.61
375	4.35	-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1*		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
Art. 1AZ	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
	€	773	936	1.098	1.248	1.366	1.490	1.614	1.710


AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

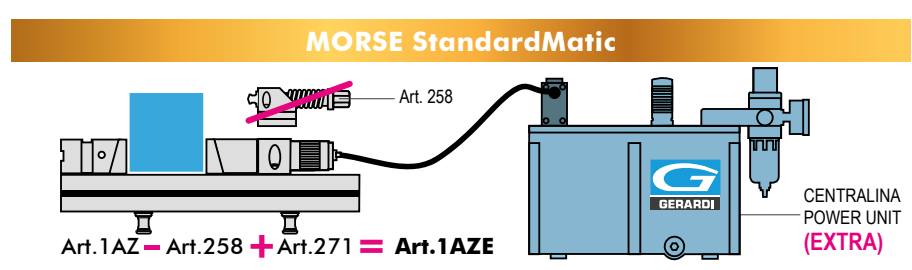
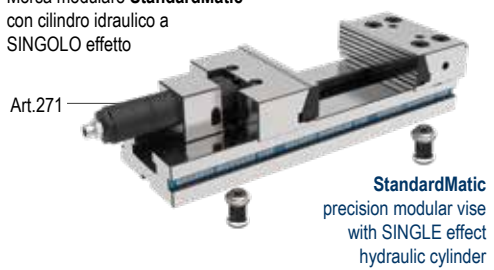
Art. 230E	Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401
		€	83	91	111
	H	23	33	43	53
	H1	5	5	5	5

Art. 212	Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
		€	91	111	145

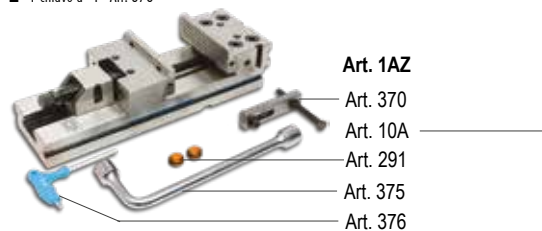
Art. 230B	Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401
		€	68	74	88

Art. 230F	Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401
		€	110	119	142

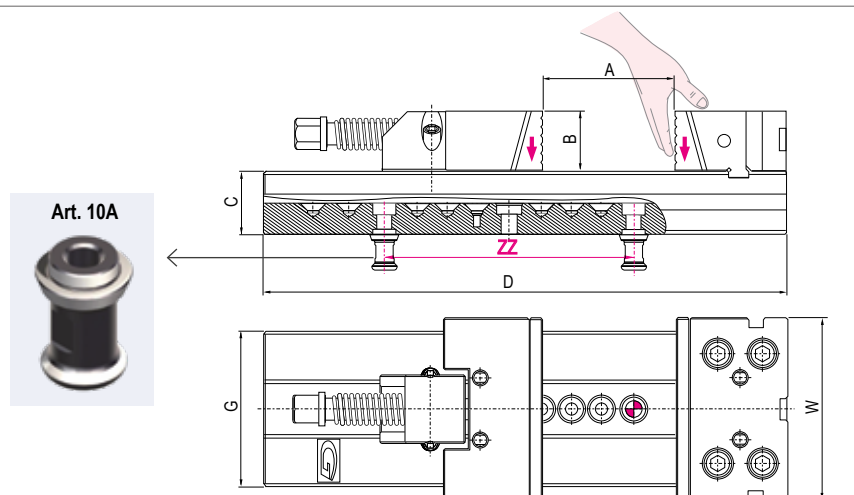
Art. 1AZE	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41						
		€	959	1.129	1.305	1.455	1.599	1.723



- 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



- Standard equipment:
- 1 workshop 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

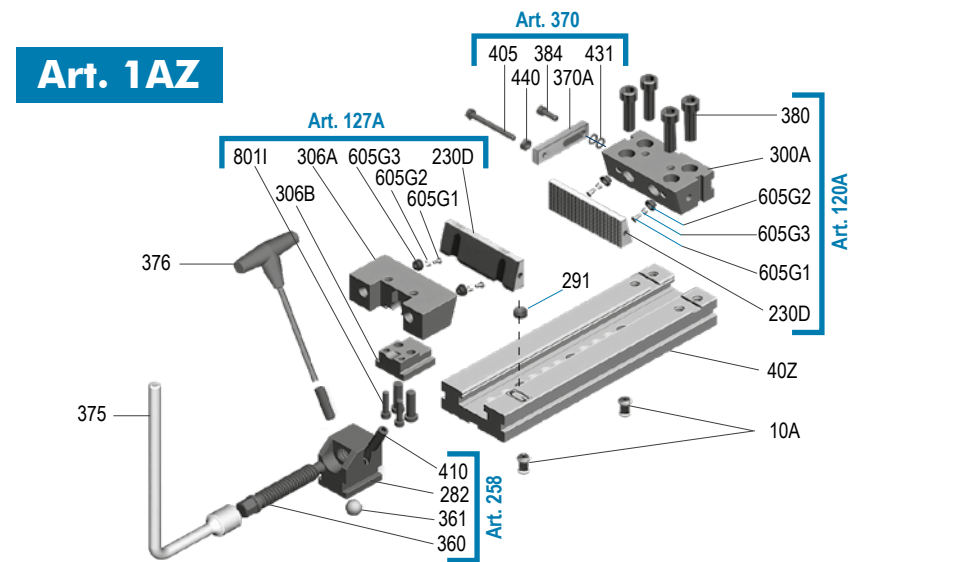
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W	196					296						
B	63					78						
C	70					78						
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G	200					300						
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1A.Z5200	1.1A.Z5300	1.1A.Z5400	1.1A.Z5500	1.1A.Z5600	1.1A.Z6200	1.1A.Z6300	1.1A.Z6400	1.1A.Z6500	1.1A.Z6600	1.1A.Z6700	1.1A.Z6800
€	1.747	2.067	2.393	2.718	3.043	2.555	2.961	3.365	3.771	4.175	4.590	4.988

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art.	Price	Image	Art.	Price
Art. 230E	196		Art. 230E	196
H	53		H	68
H1	10		H1	10
Art. 212	219		Art. 212	219
Art. 230B	157		Art. 230B	157
Art. 230F	253		Art. 230F	253
Art. 230E	196		Art. 230E	196
Art. 230E	196		Art. 230E	196

Cod.	Price	Price	Price	Price	Price	Price	Price	Price	Price	Price	Price	
€	2.028	2.348	2.674	2.999	3.324	2.750	3.156	3.561	3.967	4.370	4.786	5.183

StandardMatic VISES

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


Art.	Pag.	Art.	Pag.
10A	9.31	376	4.35
40Z	1.24	380	4.28
230D	4.21	384	4.28
282	4.36	405	4.35
291	4.35	410	4.36
300A	4.30	431	4.28
306A	4.30	440	4.28
306B	4.30	605G1	4.22
360	4.36	605G2	4.22
361	4.36	605G3	4.22
370A	4.35	801I	5.61
375	4.35	-	-

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

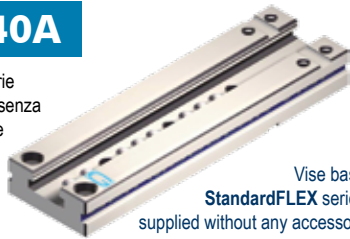
 Slittone base
 serie **STD** senza
 alcuna dotazione

 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
€	312	395	472	617	588	743	900	1.016

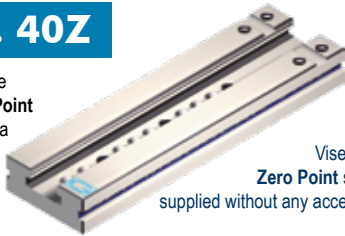
Versione normale: Cave da 16mm (H7) - Versione opzionale: Fori rettificati e calibrati con tolleranza F7 - Extra per ogni foro calibrato (Tolleranza F7): €90,00

Art. 40A

 Slittone base serie
StandardFLEX senza
 alcuna dotazione

 Vise base
StandardFLEX series
 supplied without any accessory

	1	2	3	4				
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
€	392	492	590	770	736	928	1.126	1.268

Art. 40Z

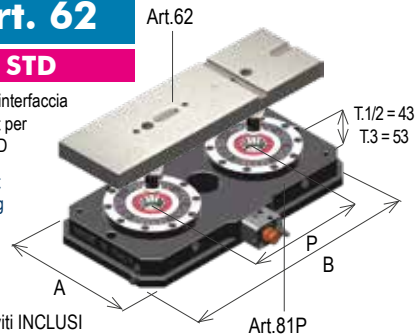
 Slittone base
 serie **Zero Point**
 senza alcuna
 dotazione

 Vise base
Zero Point series
 supplied without any accessory

	1	2	3	4				
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
€	433	516	592	737	709	862	1.023	1.138

* 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**

	1	2	3	4				
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
€	158	200	236	309	296	375	453	507

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

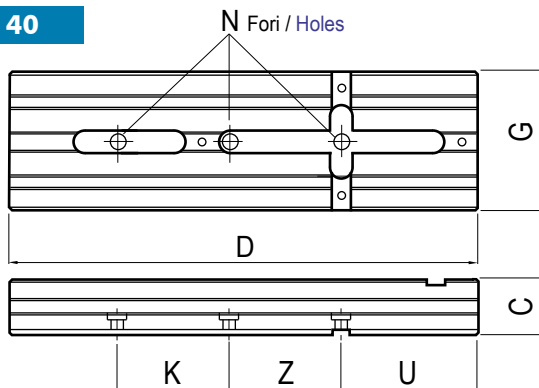
Art. 665	Tipo / Type 1	Tipo / Type T.2						
P	200	200	200	250	200	250	200x2	200x2
kg	31	29	29	35	29	35	42	42

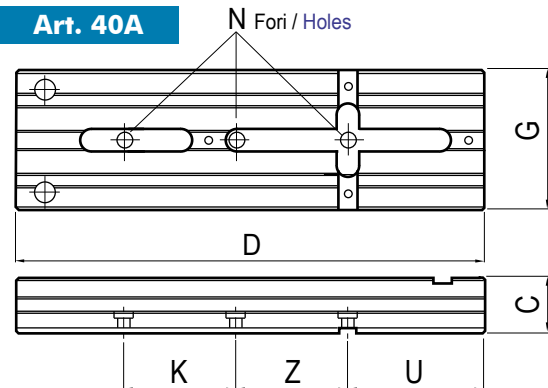
Cod.	9.81.P12040S2	9.81.P2040S2	9.81.P2040S2	9.81.P2050S2	9.81.P2040S2	9.81.P2050S2	9.81.P2260S3	9.81.P2260S3
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€	2.040	2.400	2.400	2.460	2.400	2.460	3.500	3.500
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Art. 81P
NEW 2021

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

Art. 40

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

Art. 40A

 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
€	781	1.094	1.406	1.718	2.025	1.171	1.559	1.949	2.336	2.728	3.118	3.504

Normal version: 16mm slots (H7) - Optional version: Ground calibrated holes F7 tolerance - Extra for each calibrated hole (F7 Tolerance): €90,00

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
€	978	1.366	1.756	2.146	2.534	1.464	1.949	2.435	2.922	3.409	3.895	4.380

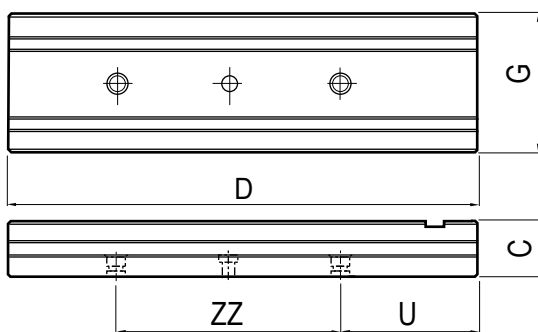
ZZ	200	200	300	300	300	300	300	300	300	300	300x2	300x2
kg	33	40	46	53	59	47	56	65	74	83	91	100
Cod.	1.40.Z5200	1.40.Z5300	1.40.Z5400	1.40.Z5500	1.40.Z5600	1.40.Z6200	1.40.Z6300	1.40.Z6400	1.40.Z6500	1.40.Z6600	1.40.Z6700	1.40.Z6800
€	901	1.214	1.526	1.838	2.133	1.291	1.681	2.069	2.459	2.848	3.237	3.625

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

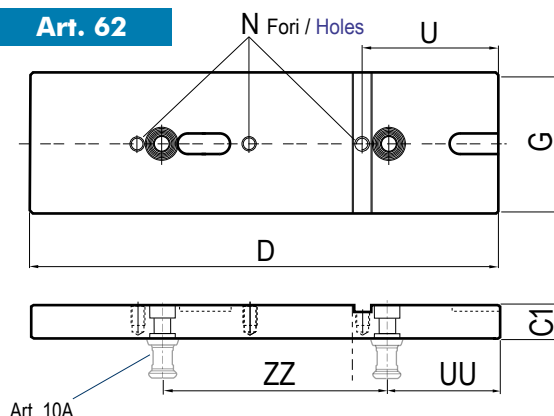
ZERO POINT CONNECTING PLATES FOR STD VISES

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
€	394	549	707	857	1.013	586	779	979	1.171	1.363	1.556	1.755
A	200	200	200	200	200	200	200	200	200	200	200	200
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	41	48	48	68,5	68,5	81,5	81,5
Cod.	9.81.P2050S2	9.81.P2040S2	9.81.P2260S3	9.81.P22080S3	9.81.P22080S3	9.81.P32050S2	9.81.P32060S3	9.81.P32060S3	9.81.P32080S3	9.81.P32080S3	9.81.P320100S3	9.81.P320100S3
€	2.460	2.400	3.500	3.650	3.650	3.100	4.550	4.550	4.650	4.650	4.800	4.800

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

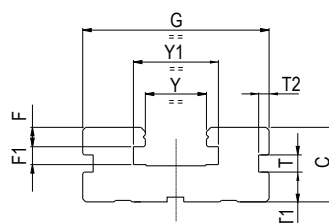
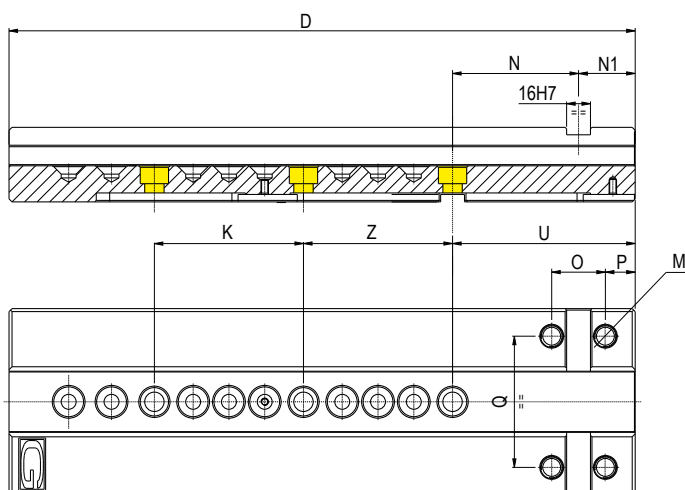
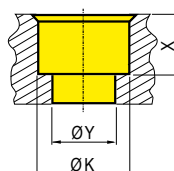


Tipo (grandezza) morsa / Vise type (size)
1
2
3
4

Tolleranza / Tolerance

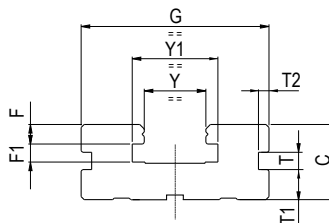
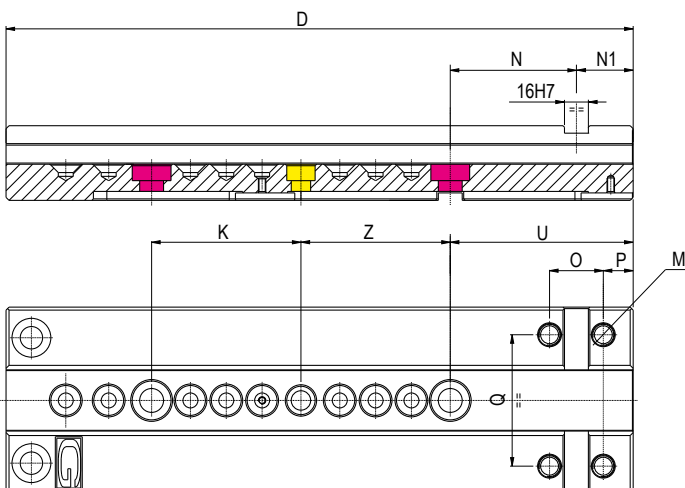
-0,02	C	35	40	50	58				
-	D	270	345	420	520	455	555	655	755
-0,02	F	10	12	13	15				
+0,02	F1	10	10	12	18				
-0,02	G	75	95	125	145				
+0,02	Y	21	28	41	51				
-	Y1	31	41	57	70				
-	M	M10	M12	M14	M16				
-	N	76	76	84,5	89				
-	N1	35	35	38	40				
-	O	32	32	36	36				
-	P	19	19	20	22				
-	Q	50	62	88	100				
-	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				
-	K	-	-	100	100				
-	Z	100	100	100	100				

Art. 40

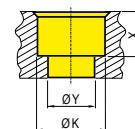
 Slittone base serie **STD** / Vise base **STD** series

Dettaglio foro per vite TCEI / TCEI screw hole details


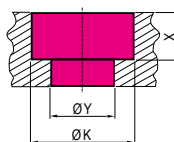
Type	1	2	3	4	5	6
X	4,5	5,5	12,5	12,5	17	17
ØY	6,5	8,5	13	13	17	17
ØK	10,5	13,5	19	19	26	26

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
ØY	13
ØK	19

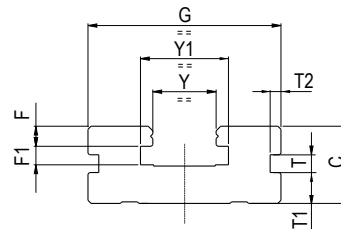
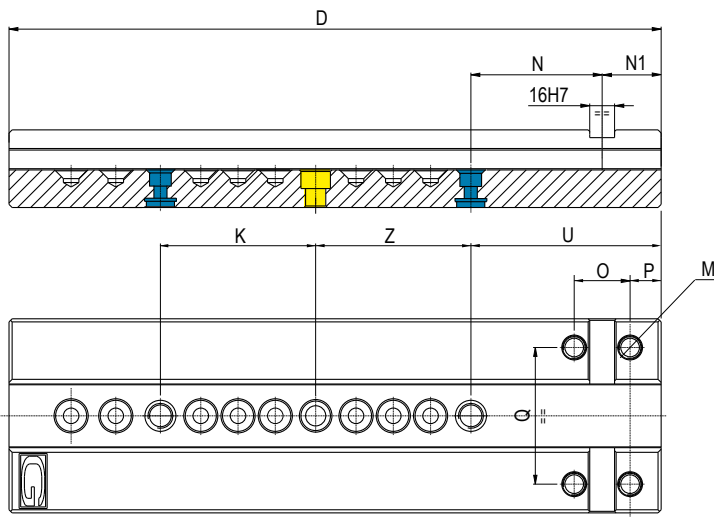
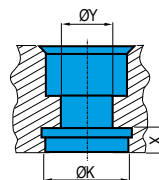

 Vedi tabella TCEI Art.40 per altre tipologie
 See the TCEI chart of Art.40 for all other types

Dettaglio foro per vite calibrata / Calibrated screw hole details


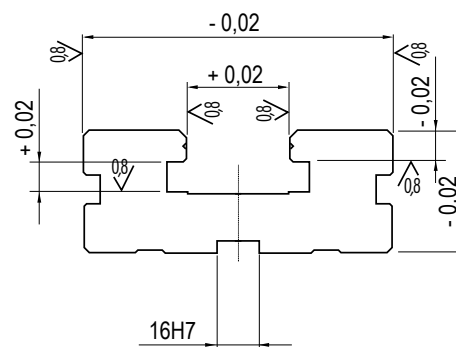
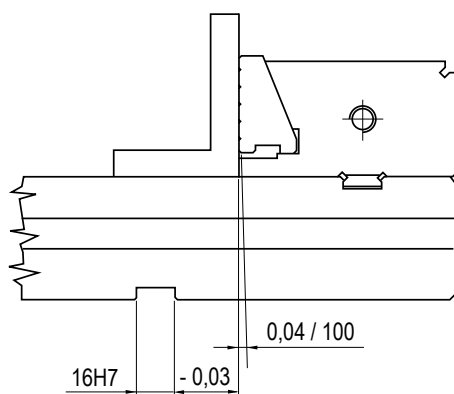
Type	1	2	3	4	5	6
X	4,5		11			
ØY	8F7		16F7			
ØK	13,5		25			

	5					6						
C	70					78						
D	495	595	695	795	895	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						
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					
ØY	13					
ØK	20					

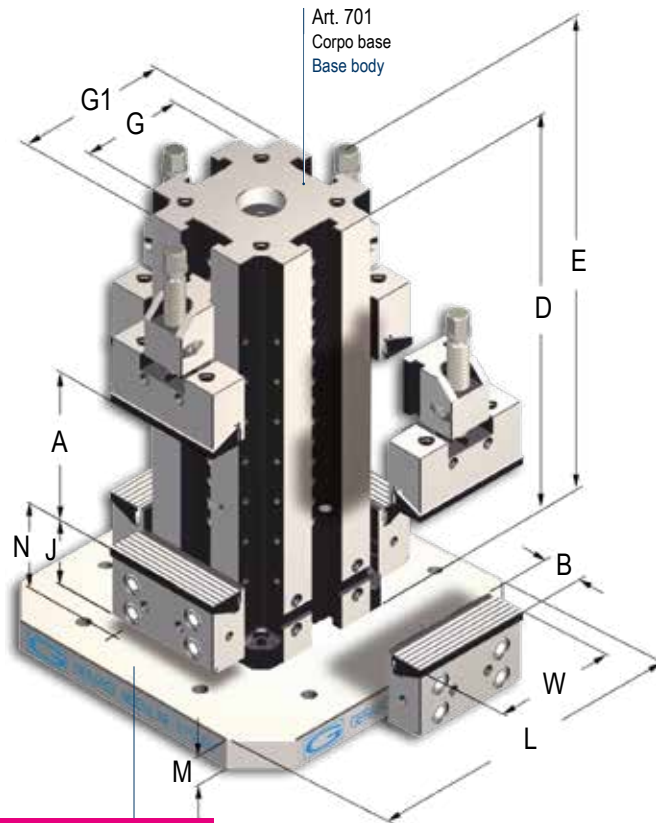
 Tolleranze generiche per morse **XL** / **XL** vise generic tolerances


Tipo (grandezza) morsa / Vise type (size)

	1	
	kN	16 kN
A	80	130
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
€	2.008	2.150

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:

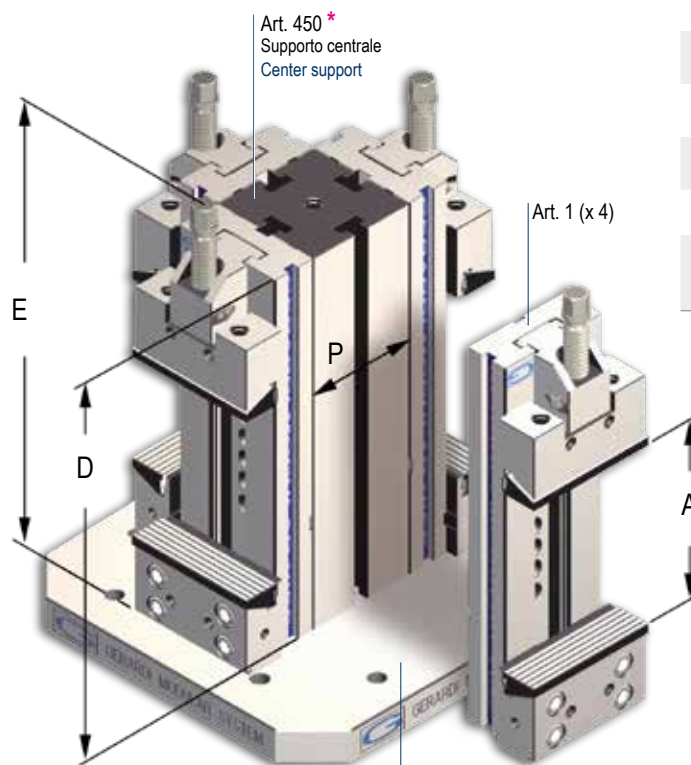
- 4 workstops Art. 370
- 2 pairs of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 "T"- wrench Art. 376

Art. 828A (extra)
Tipo (grandezza) morsa / Vise type (size)

	kN	1
		16 kN
Apertura massima / Maximum spread	A	100
	D	270 *
	E	320
	P	75 *
	kg	10
	Cod.	1.75.01000
	€**	2.941

Art. 750

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


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)

	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	3.70.03454	3.70.04454	-	-
€	2.496	2.666	3.004	3.359	3.777	3.595	3.986	4.344	4.669	on req.	on req.

* 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
€*	3.328	3.704	4.271	5.090	5.416	5.983	7.030	6.520	7.570	8.617	9.893	11.906	13.918

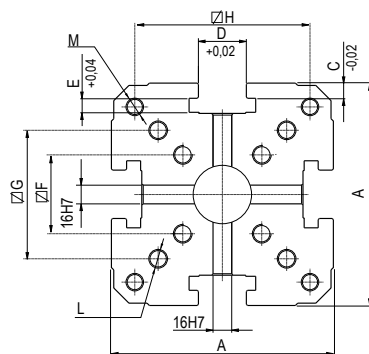
* Altre dimensioni a richiesta / Other dimensions on request



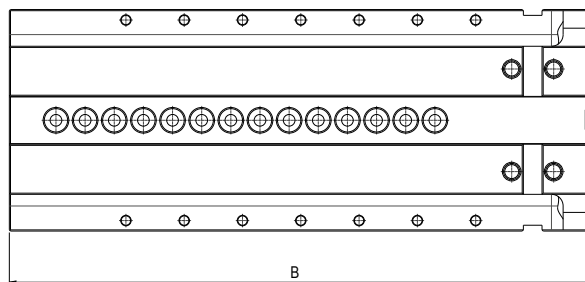
**** Montaggio e allineamento ESCLUSI**
 Mounting and alignment EXCLUDED



Tipo (grandezza) / Type (size)



Art. 701

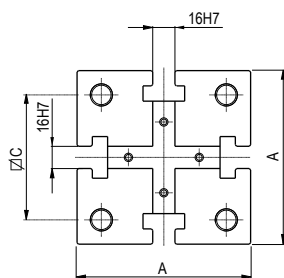


Senza alcuna dotazione
Without accessory equipment

Art. 701

Corpo slittone standard
Body for standard vise tower

Tipo (grandezza) / Type (size)



Art. 450

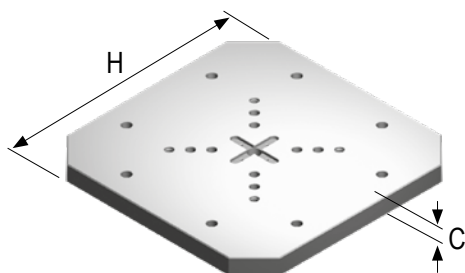


Senza alcuna dotazione
Without accessory equipment

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)

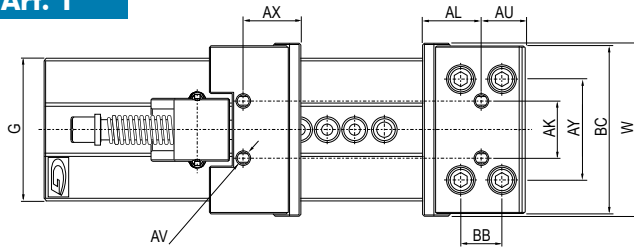
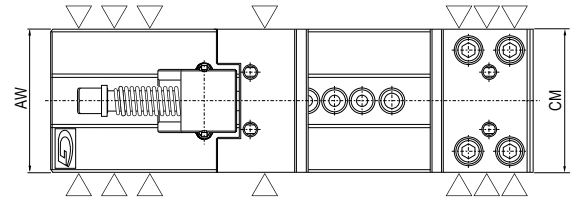
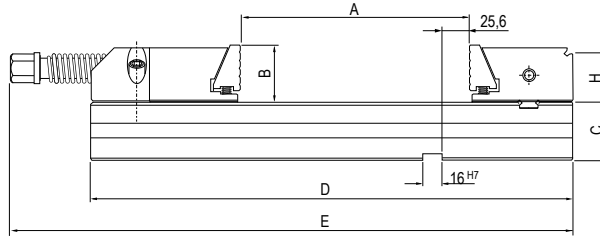
	1		2		3			4				5	6
A	120		160		190			200				*	*
B	250	300	350	400	400	500	600	400	500	600	700	*	*
C	10		12		13			15				20	20
D	21		28		41			51				61	71
E	10		10		12			18				18	18
F	40		54		70			80				80	
G	70		84		110			134				134	
H	-		120		150			200				210	
L	M12		M16		M16			M20				M20	*
M	-		Ø 13		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	*	
€	1.013	1.204	1.266	1.493	1.521	1.995	2.549	1.915	2.435	2.913	3.349	on req.	on req.

*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
€	538	681	815	900	998	1.082	1.167	1.250	1.222	1.308	1.391	1.700	1.783	1.869

*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
€	920	980	1.080	1.261	1.524	1.945	2.155

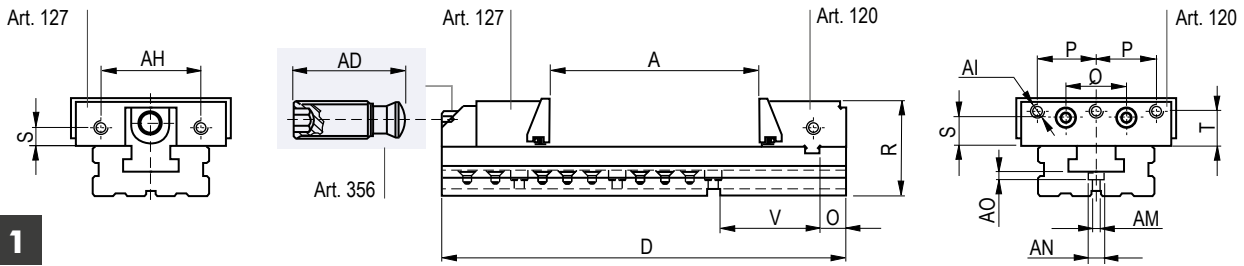
Art. 1

Art. 12

Art. 1+12


Tipo (grandezza) morsa / Vise type (size)

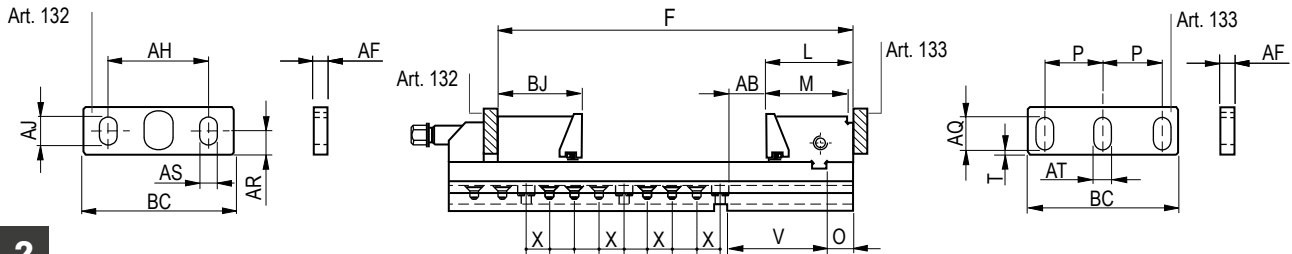
Tabella dimensionale / Table dimension

mm	1			2			3			4				5				6					
W	100	125	150	175			200				300												
A	100	150	200	300	200	300	400	500	200	300	400	500	600	200	300	400	500	600	700	800			
B	30	40	50	60				65				80											
C	35	40	50	58				70				78											
D	270	345	420	520	455	555	655	755	495	595	695	795	895	535	635	735	835	935	1035	1135			
E	320	425	500	600	530	630	730	830	580	680	780	880	980	630	730	830	930	1030	1130	1230			
F	225	285	370	470	385	485	585	685	410	510	610	710	810	440	540	640	740	840	940	1040			
G	75	95	125	145				170				195											
H	23	33	43	53				53				68											
I	55	70	110	160	110	160	210	260	105	165	205	265	305	115	165	215	265	315	365	415			
J	34	50	70	104	70	104	137	170	67	107	134	174	200	74	107	140	174	207	240	274			
K	124	174	226	326	226	326	426	526	236	336	436	536	636	236	336	436	536	636	736	836			

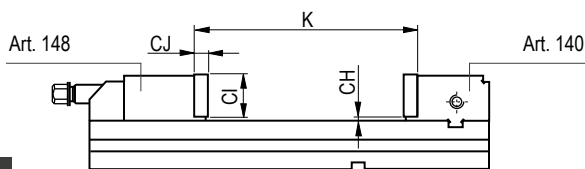
mm	1	2	3	4	5	6	Tolleranza Tolerance	mm	1	2	3	4	5	6	Tolleranza Tolerance
L	54	77.9	89.4	96.9	113.4	120.4	- 0.04	AO	4.5	5.5	12.5	12.5	17	17	
M	72.9	72.9	84.4	91.9	108.4	115.4	- 0.04	AP	15	15	20	20	26	26	
N	10	10	12	18	18	18	+ 0.02	AQ	16	18	26	26	29	30	
O	27	27	30	32	37	37	± 0.02	AR	18	24	26	34	31	38	
P	38	50	62	72.5	83	120		AS	11	17	17	17	21	21	
R	65	80	100	118	135	158		AT	11	11	13	13	13	17	
S	18	23	29	37.5	37.5	47.5		AU	35.5	35.5	38.5	41.5	47	47	
T	16	20.5	27.5	36.5	34	46		AV	M8	M10	M12	M12	M16	M16	
U	111	111	122.5	129	145	152		AW	75	95	125	145	170	195	
V	76	76	84.5	89	100	107	± 0.02	AX	20	23	28	28	34	38	
W	-	-	100	100	100	100		AY	50	62	88	100	120	133	
X	20	25	25	25	33.33	33.33		AZ	M10	M12	M14	M16	M20	M20	
Y	21	28	41	51	61	71	+ 0.02	BB	32	32	36	36	44	44	
Z	100	100	100	100	100	100		BC	96	121	146	171	196	296	
AA	10	12	13	15	20	20	- 0.02	BG	28	38	48	58	63	78	
AB	25.6	25.6	25.6	25.6	25.6	25.6	+ 0.02	BJ	50	60	80	90	100	120	
AC	31	41	57	70	80	90		BL	180	225	290	320	370	400	
AD	53	73	81	101	113	135		BM	9.5	9.5	11.5	11.5	17.5	17.5	
AF	13	18	18	18	18	18		CC	77	77	88.5	96	112	117	
AG	M10	M16	M16	M16	M20	M20		CD	48	58	78	88	98	117	
AH	62	80	90	116	138	184		CE	5	5	5	5	5	5	
AI	M10	M10	M12	M12	M12	M12		CF	-	-	64	64	71	-	
AJ	14	19	24	29	31.5	39		CG	-	-	100	100	128	-	
AK	38	38	50	50	76	240		CH	5.5	8	11	17	17	24	
AX	25,6	42,4	50,1	55,4	66,4	73,4		CI	24.5	32	39	43	48	56	
AL	42.4	42.4	50.9	55.4	66.4	73.4		CJ	12	12	13	13	18	18	
AM	4.5	5.5	12.5	12.5	17	17		CM	75	95	125	145	170	195	
AN	10	13	19	19	25	25									



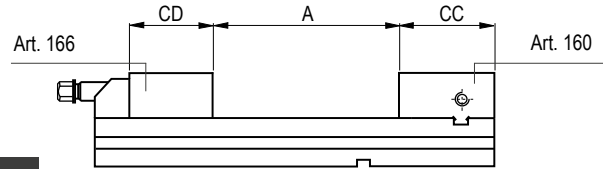
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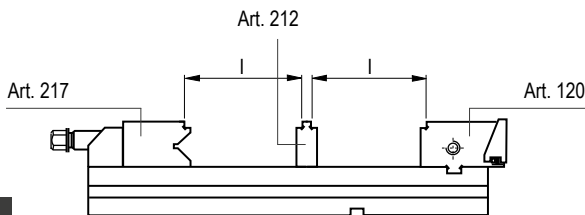
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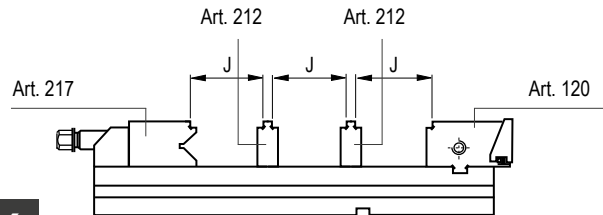
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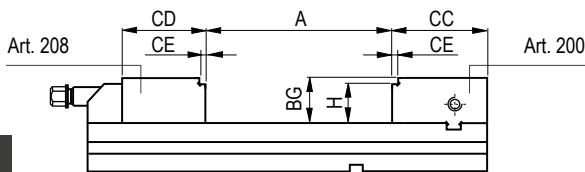
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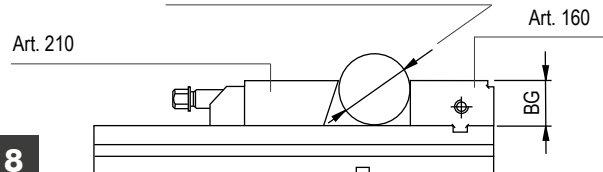
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6



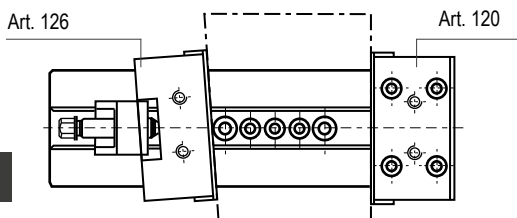
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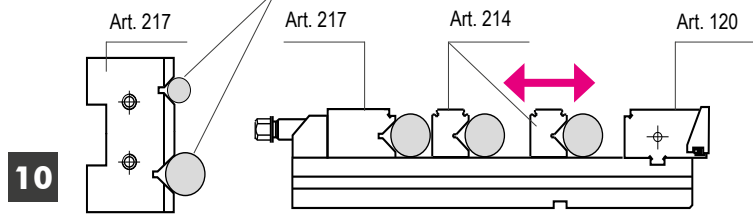
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$\emptyset = \text{Vedi pag.4.18 - 4.24} / \emptyset = \text{See pag.4.18 - 4.24}$

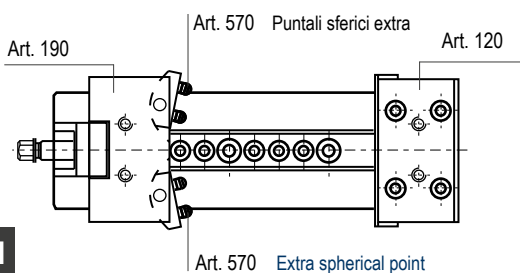
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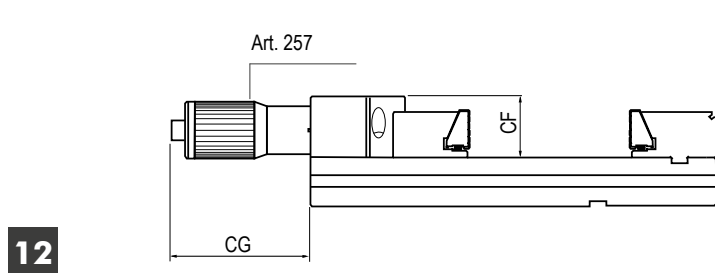
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10

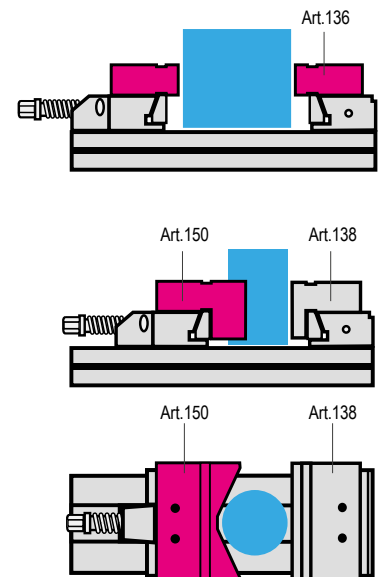
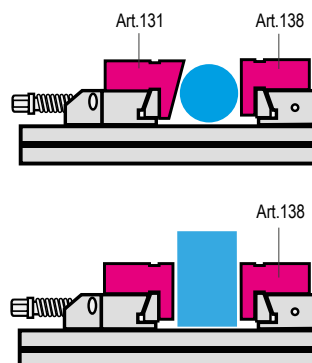
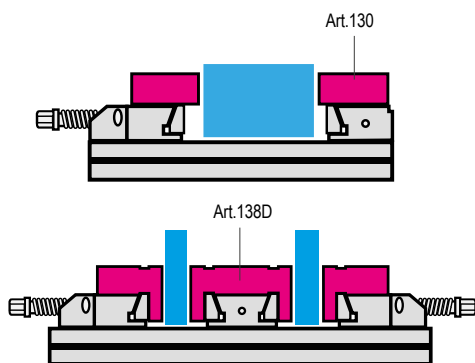


11



12

Tipo (grandezza) / Type (size)		1	2	3	4	5	6	
Ganaschia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable Art. 130* Art. 130S* Extra large / Extra width * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 130	2.13.01000	2.13.02000	2.13.03000	2.13.04000	2.13.05000	2.13.06000
		Cod. Art. 130S	2.13.0S100	2.13.0S200	2.13.0S300	2.13.0S400	2.13.0S500	2.13.0S600
Cad / Each €		102	125	157	196	274	408	
Ganaschia sovrapponibile per pezzi tondi fissa o mobile Stack-type jaw round parts fixed or movable Art. 131* Art. 131S* Larghezza normale / Normal width * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 131	2.13.11000	2.13.12000	2.13.13000	2.13.14000	2.13.15000	2.13.16000
		Cod. Art. 131A	2.13.1A100	2.13.1A200	2.13.1A300	2.13.1A400	2.13.1A500	2.13.1A600
Cad / Each €		152	189	236	294	413	618	
Ganaschia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable Art. 136* Art. 136S* Larghezza normale / Normal width * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 136	2.13.61000	2.13.62000	2.13.63000	2.13.64000	2.13.65000	2.13.66000
		Cod. Art. 137	2.13.71000	2.13.72000	2.13.73000	2.13.74000	2.13.75000	2.13.76000
Cad / Each €		49	62	77	94	132	194	
Ganaschia a squadra sovrapponibile fissa o mobile Square stack-type jaw fixed or movable Art. 138* Art. 138S* Larghezza normale / Normal width * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 138	2.13.81000	2.13.82000	2.13.83000	2.13.84000	2.13.85000	2.13.86000
		Cod. Art. 139	2.13.91000	2.13.92000	2.13.93000	2.13.94000	2.13.95000	2.13.96000
Cad / Each €		155	198	229	299	418	626	
Ganaschia a squadra sovrapponibile doppia Double square jaw stack-type Art. 138D* Art. 138DS* Larghezza normale / Normal width * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 138D	2.13.8D100	2.13.8D200	2.13.8D300	2.13.8D400	2.13.8D500	2.13.8D600
		Cod. Art. 139D	2.13.9D100	2.13.9D200	2.13.9D300	2.13.9D400	2.13.9D500	2.13.9D600
Cad / Each €		216	269	335	420	588	881	
Ganaschia prismatica sovrapponibile fissa o mobile Stack-type prismatic jaw fixed or movable Art. 150* Art. 150S* Larghezza normale / Normal width * Viti per fissaggio a richiesta Fixing screws on request		Cod. Art. 150	1.15.01000	1.15.02000	1.15.03000	1.15.04000	1.15.05000	1.15.06000
		Cod. Art. 150A	1.15.0A100	1.15.0A200	1.15.0A300	1.15.0A400	1.15.0A500	1.15.0A600
Cad / Each €		229	308	383	479	670	1.003	

Versione "S" in acciaio lavorabile / "S" type in soft steel
Esempi applicativi - Application examples:


Tipo (grandezza) morsa / Vise type (size)

mm	1	2	3	4	5	6
----	---	---	---	---	---	---

Art. 130 Temprate o in acciaio lavorabile
Hardened or soft

C	32	42	52	62	67	82
D	84	84	105	130	130	150
E	80	88	105	110	130	135
F	57	70	90	110	128	150
G	110	110	162	171	192,8	190
I	95	95	123	136	170	206

Art. 136/137 Temprate o in acciaio lavorabile
Hardened or soft

BD	32	42	52	62	72	82
BF	80	84	105	120	128	135
BY	200	250	300	350	400	600

Art. 138/139 Temprate o in acciaio lavorabile
Hardened or soft

P	84	120	120	140	175	206
R	60	78	90	110	128	150
W	96	121	146	171	196	296
W2	74	94	124	144	169	194

Art. 138D/139D Temprate o in acciaio lavorabile
Hardened or soft

Q	30	30	30	30	30	30
---	----	----	----	----	----	----

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

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

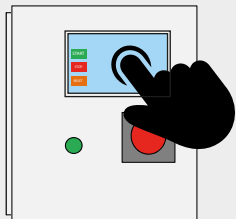
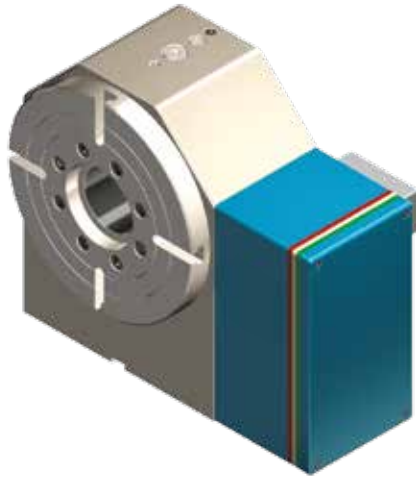
DIVISORE AUTOMATICO DPG 250

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

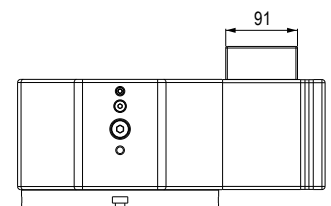
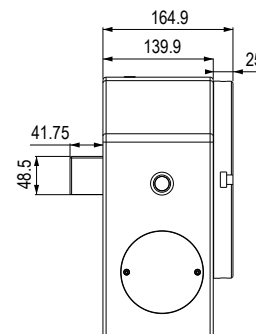
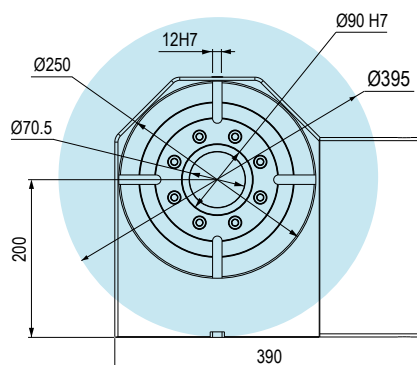
EASY AND INTUITIVE TOUCH SCREEN
PROGRAMMING OR THROUGH DIRECT
CONNECTION TO THE CNC

- 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°

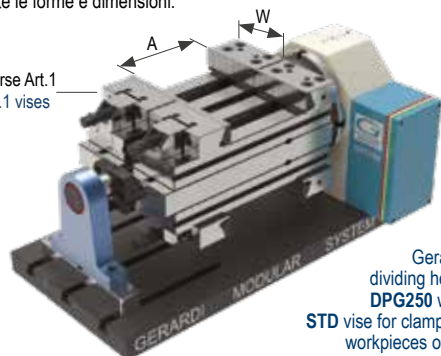
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization
- 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		Idrraulico 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	Kg.550
	Orizzontale Horizontal	Kg.1500
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m ²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DP.G2500
€		19.857

DPG 250



Tipo (grandezza) / Type (size) Montaggio / Mounting	1		2		3		4		
	Double		Double		Double		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.	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
	€	27.901	28.321	28.689	29.267	27.849	28.164	28.531	29.162

 Morse Art.1
 Art.1 vises


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
 € **631**

Art. 99B
 Perno di centraggio completo di sistema d'allineamento
 Horizontal centering pin with alignment system




Cod. 1.99.B1000
 € **852**

Art. 99H
 Distanziale per supporto
 Spacer support



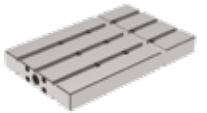
Cod. 1.99.H1000
 € **106**

Art. 62K
DPG 250
 Piastra di interfaccia per cubo STD completa di sistema d'allineamento
 Connecting plate with alignment system for STD



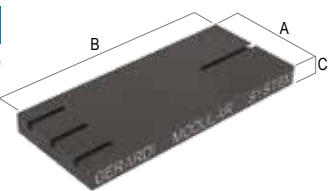
Cod. 1.62.KDPG25
 € **1.026**

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
 € **1.209 1.261 1.314 1.366 1.314 1.419 1.471 1.524**

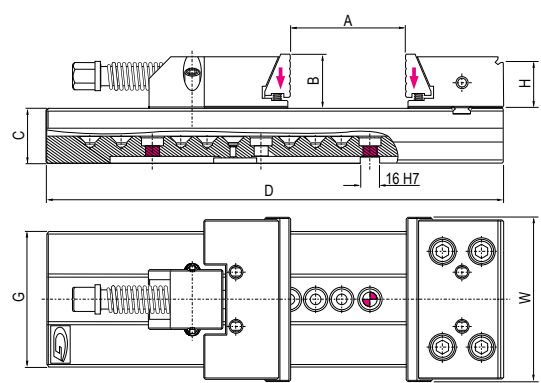
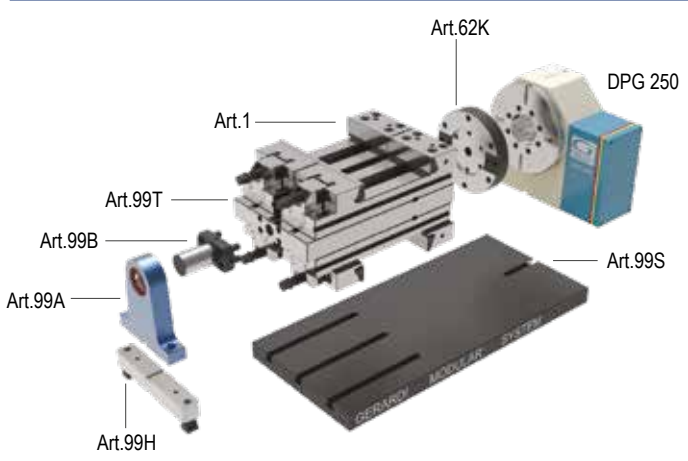
Art. 99S
 Piastra base con cave
 Piani rettificati
 Base plate with slot
 Faces ground



Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	€
600	400	50	94	7.99.S060S	1.840
750	400	50	117	7.99.S075S	1.997
900	400	50	141	7.99.S090S	2.155
1100	400	50	172	7.99.S110S	2.312

 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

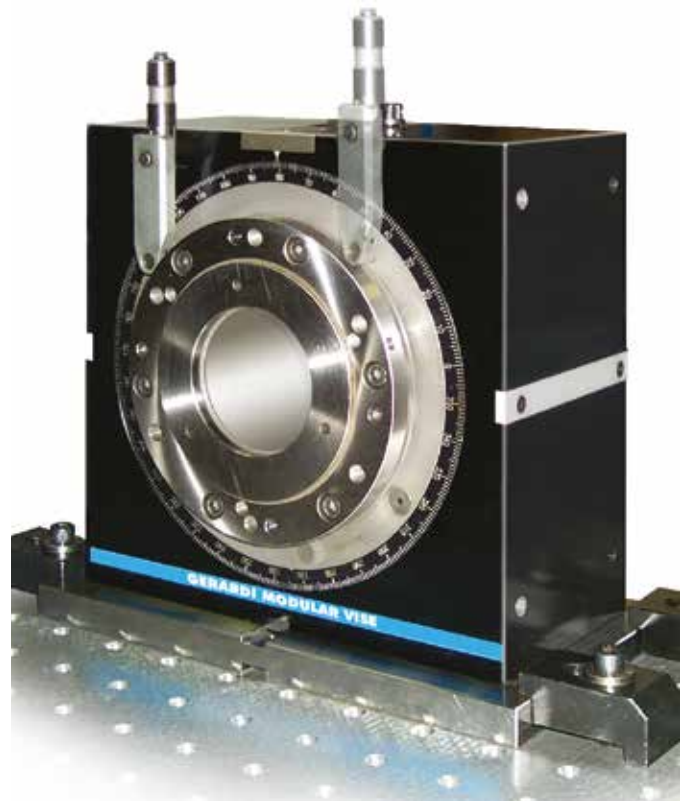


Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Clearance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione Indexing accuracy	±10 Sec.
Coppia in lavoro Driving torque	 3000 Nm
Kg	93
Cod.	7.66.73000
€	11.505

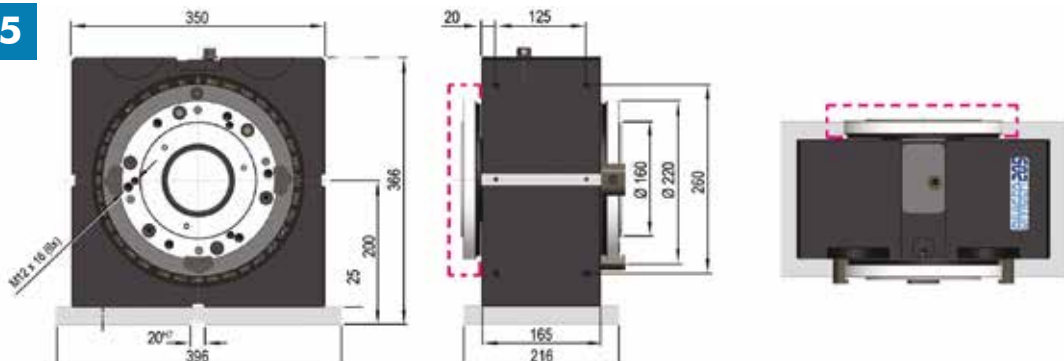
DIVISORE MECCANICO, SENZA CAVI O IDRAULICA,
PERMACCHINE A CNC

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



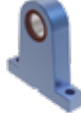
Tipo (grandezza) / Type (size)		1		2		3		4	
		Double	Double	Double	Double	Double	Double	Double	Double
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
DIVIGER 205 con morse STD per il serraggio di particolari di tutte le forme e dimensioni. Morse Art.1 Art.1 vises	W	96	121	146		171			
	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
	€	19.549	19.969	20.337	20.915	19.496	19.811	20.180	20.810

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 diviger, the price may be revised


UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A
 Supporto
 Support




Cod. 7.99.A1000
 € **631**

Art. 99B
 Perno di centraggio completo di sistema d'allineamento
 Horizontal centering pin with alignment system




Cod. 1.99.B1000
 € **852**

Art. 99H
 Distanziale per supporto
 Spacer support



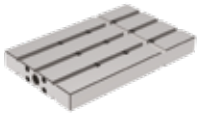
Cod. 1.99.H1000
 € **106**

Art. 62K
DIVIGER 205
 Piastra di interfaccia per cubo STD completa di sistema d'allineamento
 Connecting plate with alignment system for STD



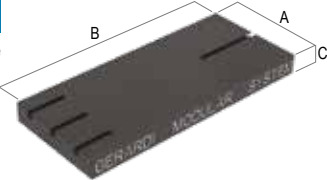
Cod. 1.62.KDIV205
 € **1.026**

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
 € **1.209 1.261 1.314 1.366 1.314 1.419 1.471 1.524**

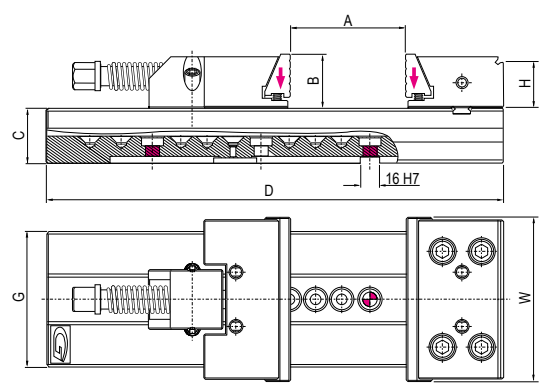
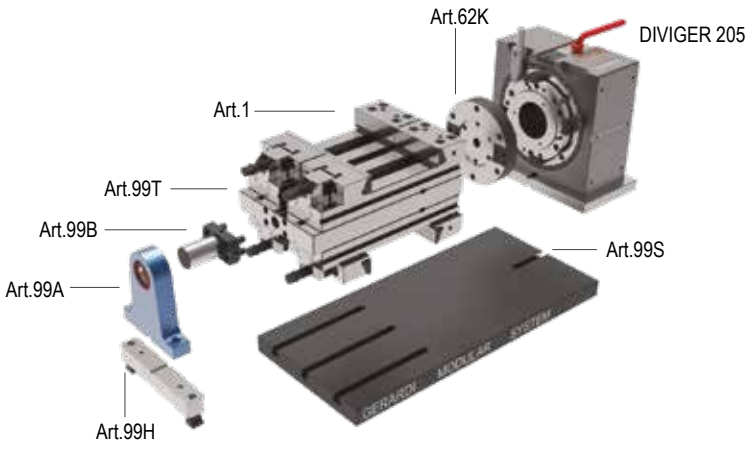
Art. 99S
 Piastra base con cave
 Piani rettificati
 Base plate with slot
 Faces ground



Dimensioni B mm Dimension B mm	A	C	Kg	Cod.	€
600	400	50	94	7.99.S060S	1.840
750	400	50	117	7.99.S075S	1.997
900	400	50	141	7.99.S090S	2.155
1100	400	50	172	7.99.S110S	2.312

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




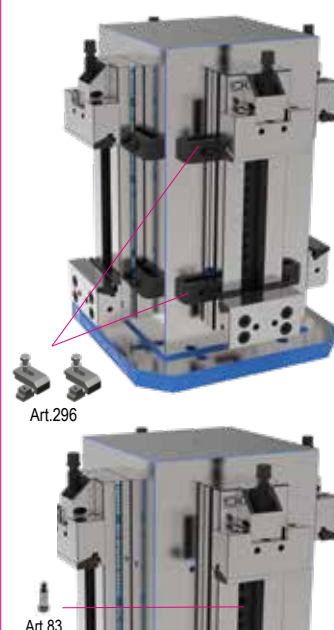
Disponibili quote "B" a step di 50mm - Available dimension "B" in steps of 50mm



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

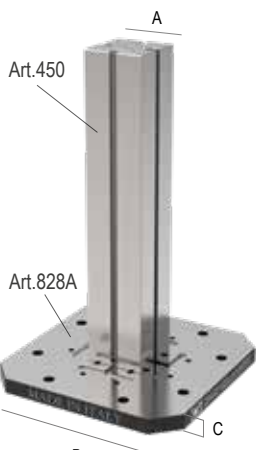



Cubo lavorato Art.53C Machined cube Art.53C	Tipo di morsa Vise type	Predisposizione e montaggio* Set-up & Mounting*	Cubo con morse Cube with vises
Cod. 8.53.C00171 Dim. A=350 / B=500 / H=700 	€ 1.085 Art.1 Tipo 4x300  n°morse Vises n° x 4	€ 200 Per morsa / each vise  Importo per lavorazioni necessarie 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.	 Art.296 Art.83 Tot. € 9.287
€ 4.147	Tot. € 4.340	Tot. € 800	Tot. € 9.287

* 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 € 200
 Certificate test € 200

MONTAGGIO MORSE in VERTICALE su SUPPORTO CENTRALE

VISE 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 € 900 Art.828A Cod. 1.82.8A300 Dim. B=400 / C=38 € 1.104 	€ 843 Art.1 Tipo 3x300  n°morse Vises n° x 4	€ 130 Per morsa / each vise 	Art.750 Tipo 3x300  Tot. € 5.896
Tot. € 2.004	Tot. € 3.372	Tot. € 520	Tot. € 5.896

* 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 € 200
 Certificate test € 200

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA

ALIGNEMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE



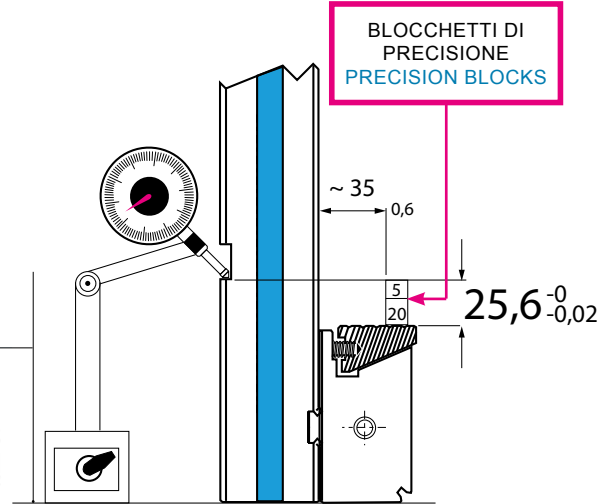
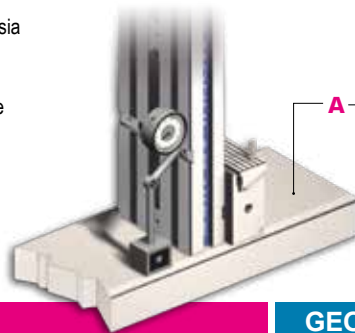
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

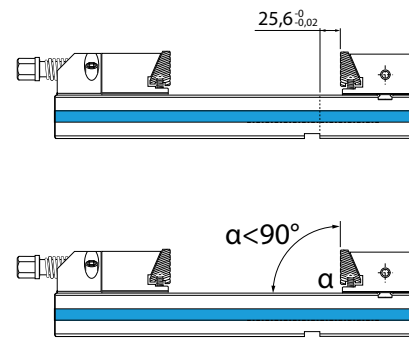
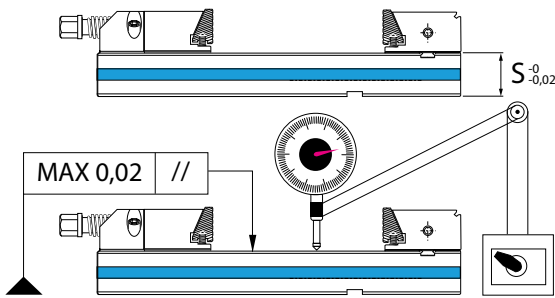
Posizionare la morsa verticalmente assicurandosi che sia perfettamente parallela al piano di appoggio **A** nei due sensi. Successivamente, con un comparatore centesimale, controllare il parallelismo del piano cava e della ganascia fissa.

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.



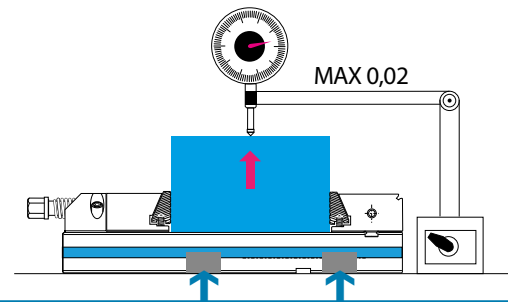
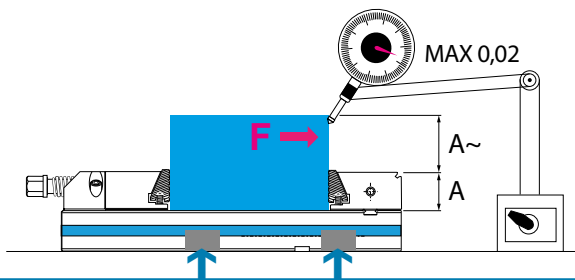
TOLLERANZE GEOMETRICHE

GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE

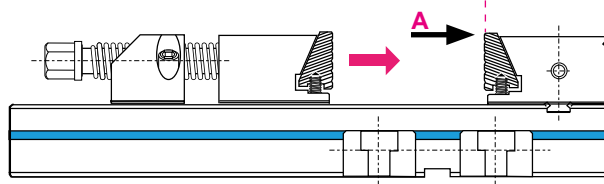
DYNAMIC ACCURACIES



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

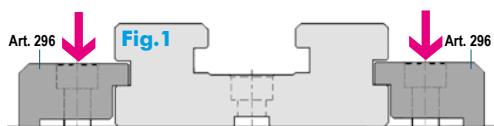
Il sistema consigliato per l'ancoraggio della morsa sulla tavola macchina è tramite **STAFFE Art.296**. (Fig.1)

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)

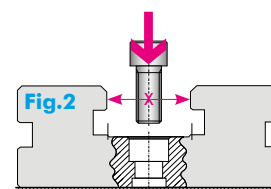
Nella tabella seguente sono riportati i valori di coppia massima applicabile mediante chiave dinamometrica

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

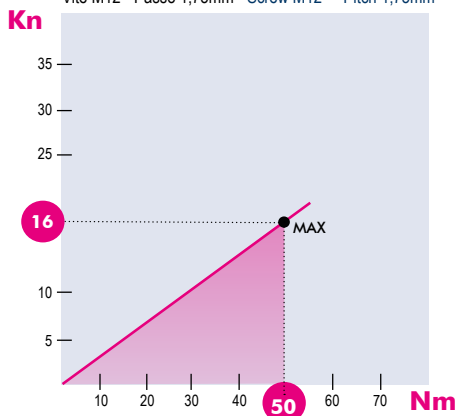
Mechanical clamping diagrams with torque wrench

Art. 1 / 1A / 700

Morse tipo 1 Vises type

1

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

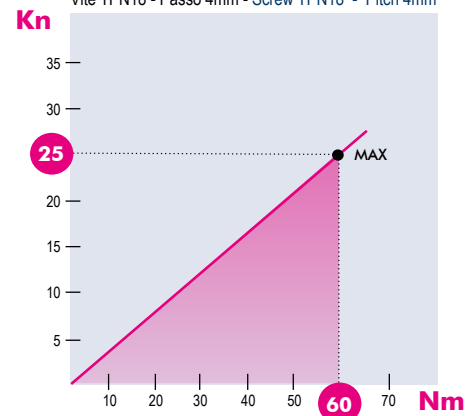


Art. 357

Morse tipo 2 Vises type

2

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



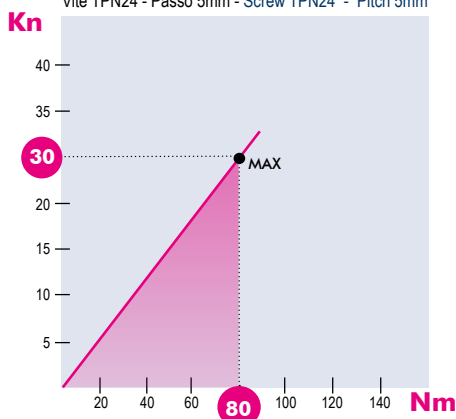
Gruppi di serraggio meccanici (Art. 258 e simili) / Mechanical clamping devices (Art. 258 and similar)

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

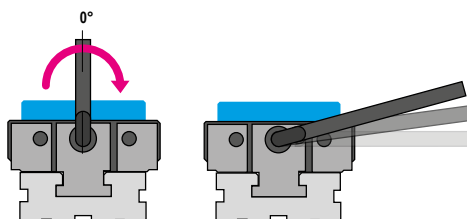
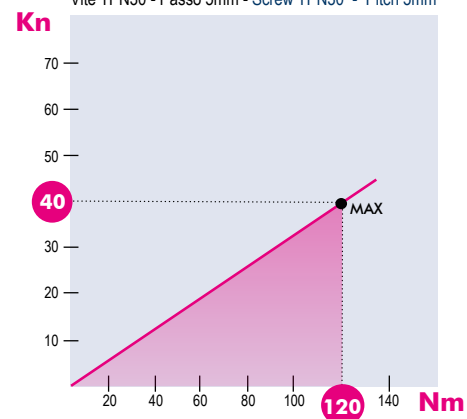


Art. 357

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)	1	2	3	4	5	6
Kn	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 ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico
 Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a ± 10% range. For optimum operation do not exceed chart values.



1

*For the highest accuracy
machining operations*

OK

3 MICRONS ACCURACY

Morse e Cubi / Vises & Vise Towers

Morse / Vises

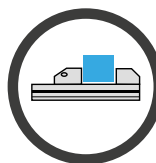
OK series

Morse di precisione per rettifica!
Highest accuracy vises for grinding operations!

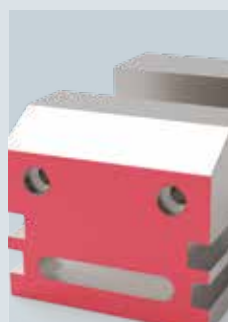
 Precisione / Accuracy
±0,005mm

 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 CONTROL

Per le esigenze più impegnative nelle lavorazioni con ristrette tolleranze
For the highest accuracy machining operations

Rigidità e Sicurezza
Rigidity and Safety

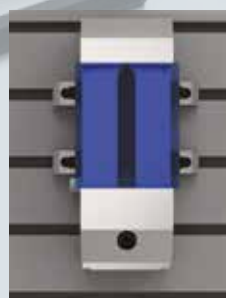
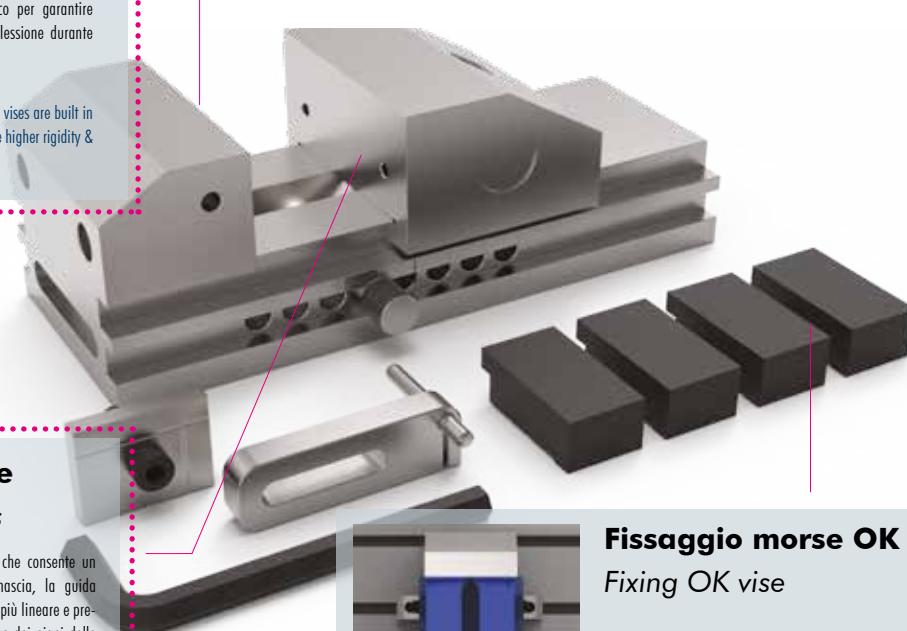
La ganaschia fissa e la base delle morse OK sono integrali e costruite in corpo unico per garantire una maggiore rigidità e nessuna flessione durante le lavorazioni.

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

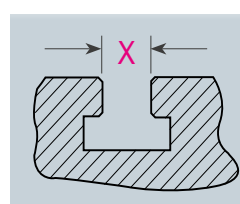
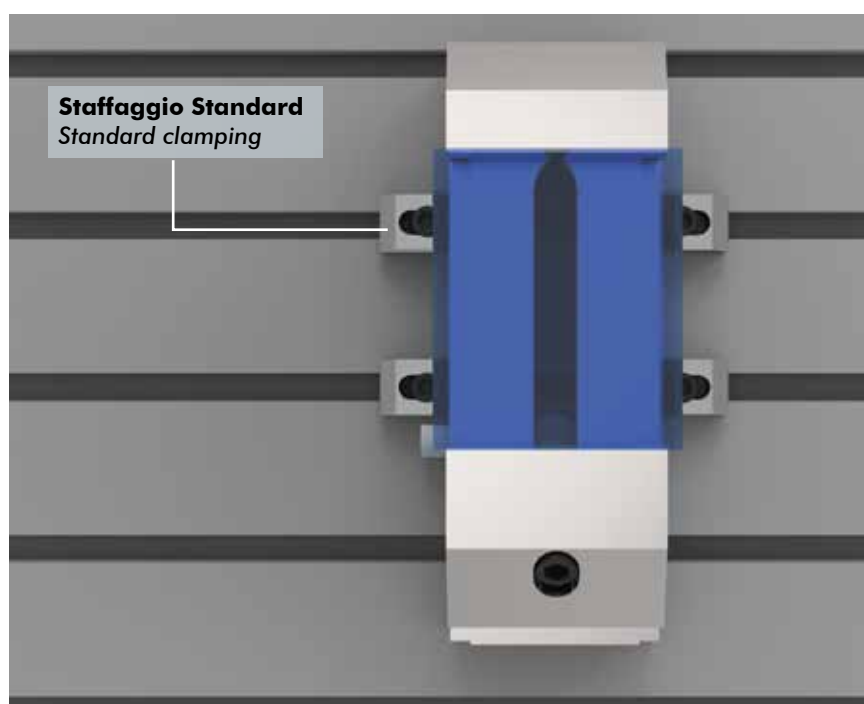


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.666O T.3 X=18mm*

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**

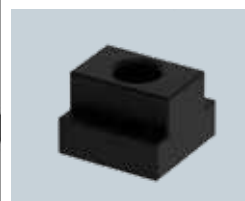


Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

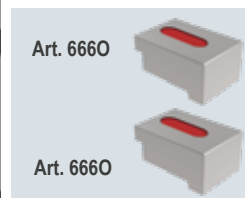


Art.287 (Pag.4.34)*

Dadi a T - T Nuts

Per fissaggio morsa alle cave a T della macchina

For vise clamping on the machine T-slots



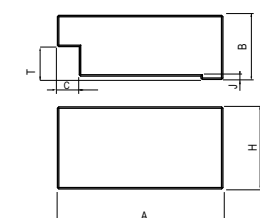
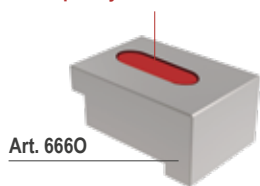
Art.666O

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

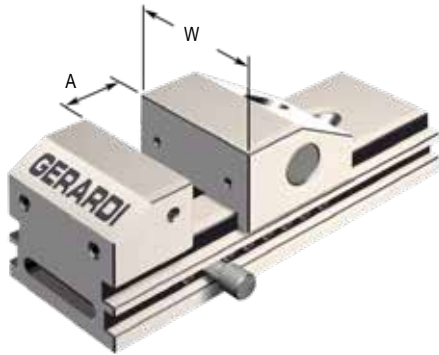
Suggested 2 pairs of holding clamps Art.666O for each vise

* 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 <i>Staffe completamente lavorabile</i> <i>Completely machineable clamp</i>	Tipo (grandezza) Type (size)	T0	T1	T2	T3	T4	T7	T8
	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
	€	5	7	8	9	10	10	10



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
	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
	€	170	342	406	577	823	901	982	1.340	1.650



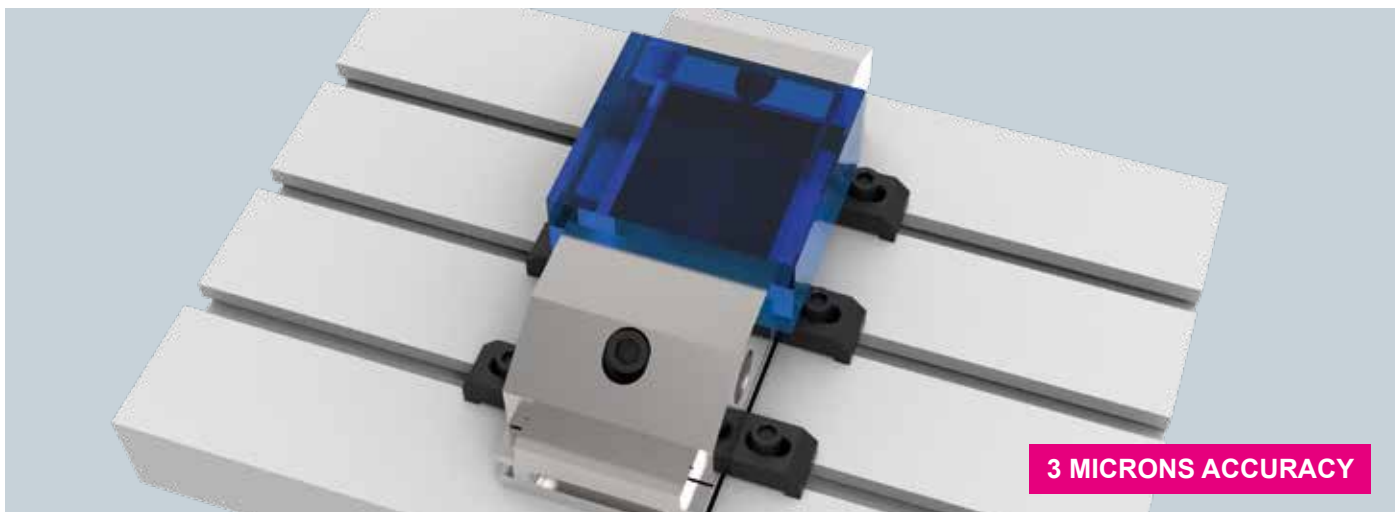
Morsa serie OK in acciaio / Series OK vises in steel

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

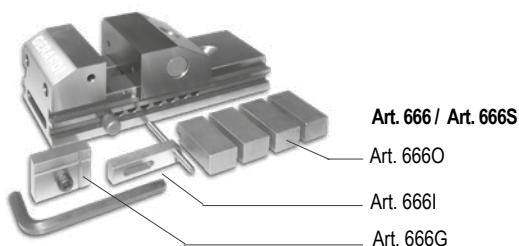
 * Acciaio temprato a basso contenuto di ferro (Max resistenza alla corrosione dopo tempra e rettifica)
 Low carbon hardened steel (max resistance against corrosion after hardening process and grinding operations)

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
€	288	575	684	972	1.389	1.524	1.657	2.263	2.787


3 MICRONS ACCURACY

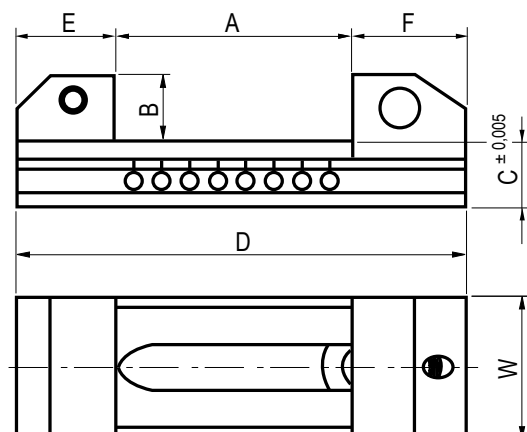
Dotazione standard:

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

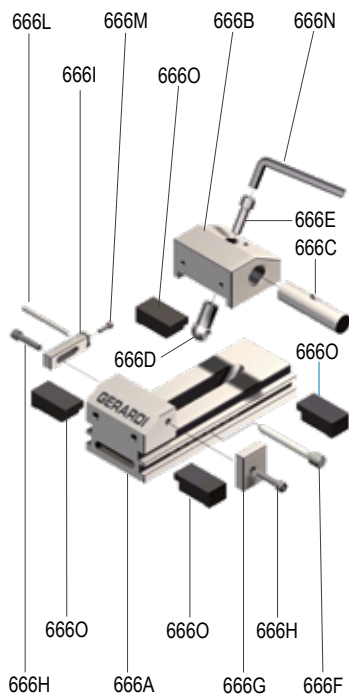


Standard equipment:

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

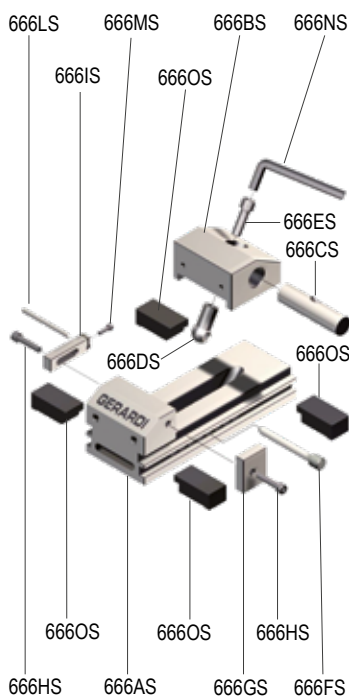


Tipo (grandezza) morsa / Vise type (size)	0	1	2	3	4	5	6	7	8
			16 kN	16 kN	18 kN	18 kN	18 kN	18 kN	20 kN

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
€	121	242	303	423	544	603	665	965	1.086
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
€	47	92	114	156	223	223	223	303	507
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
€	11	20	23	23	24	24	24	24	26
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
€	20	34	36	36	37	37	37	37	39
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
€	4	5	5	5	5	5	5	5	6
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
€	7	11	13	13	14	14	14	14	16
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
€	7	11	12	12	13	13	13	13	13
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
€	4	5	5	5	5	5	5	5	5
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
€	8	13	14	14	16	16	16	16	17
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
€	5	7	8	8	8	8	8	8	8
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
€	4	5	5	5	5	5	5	5	5
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
€	12	24	26	29	31	31	31	31	31
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
€	5	7	8	9	10	10	10	10	10

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
€	158	315	394	549	707	784	862	1.255	1.411
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
€	62	121	145	201	288	362	362	364	660
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
€	13	26	29	29	30	30	30	30	33
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
€	24	42	47	47	49	49	49	49	55
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
€	5	6	6	6	6	6	6	6	7
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
€	9	14	17	17	18	18	18	18	21
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
€	9	14	17	17	17	17	17	17	17
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
€	5	6	6	6	6	6	6	6	6
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
€	10	17	18	18	20	20	20	20	23
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
€	6	9	9	9	9	9	9	9	9
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
€	5	6	6	6	6	6	6	6	6
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
€	16	31	33	35	39	39	39	39	41
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
€	6	9	10	11	11	11	11	11	13

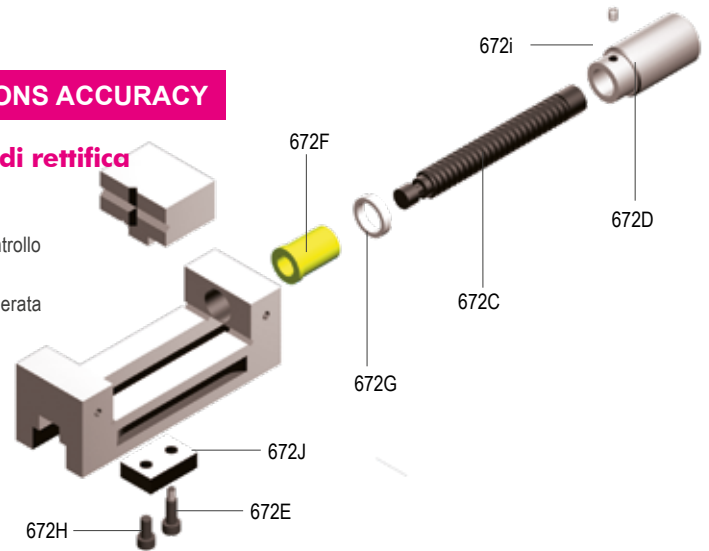
MORSE per RETTIFICA

GRINDING VISES

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

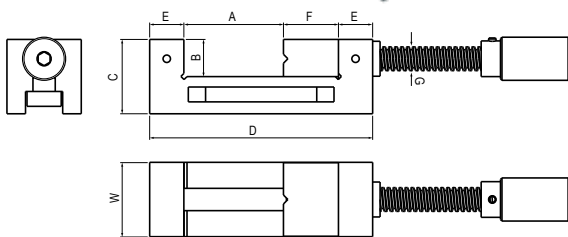
- Particolarmente adatta per lavori di alta precisione su rettificatrici e apparecchiature di controllo
- Costruita completamente in acciai temprati a durezza 58/60 HRC
- Perfettamente rettificata su tutti i suoi piani onde per ottenere i 90° in ogni posizione desiderata
- La ganaschia mobile ha due 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	A	67	87	102	102	127	160	170
	W	50	63	73	80	100	125	150
	B	25	31	35	40	45	50	50
	C	50	63	70	80	90	100	100
	D	150	185	205	215	255	315	350
	E	23	28	28	33	38	38	40
	F	37	42	47	47	52	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
	€	264	290	316	347	474	684	904

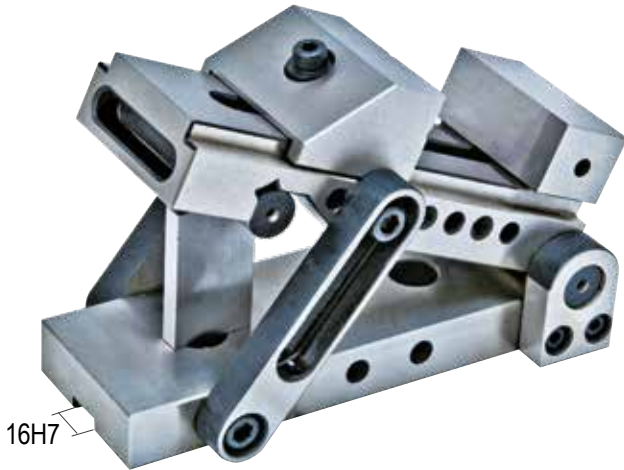
Art. 672

 Morsa serie OK in acciaio
 Series OK vises in steel


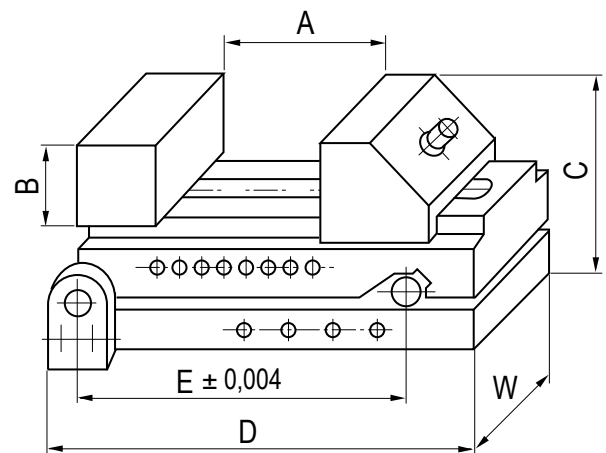
Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6	7
Base Morsa Vise Base	Art. 672A	Cod. 1.67.2A100	1.67.2A200	1.67.2A300	1.67.2A400	1.67.2A500	1.67.2A600	1.67.2A700
	€	159	174	190	211	285	411	542
Ganaschia Mobile Movable Jaw	Art. 672B	Cod. 1.67.2B100	1.67.2B200	1.67.2B300	1.67.2B400	1.67.2B500	1.67.2B600	1.67.2B700
	€	27	30	32	35	48	69	90
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
	€	27	30	32	35	48	69	90
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
	€	14	16	17	18	25	35	48
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
	€	9	10	11	12	15	22	32
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
	€	14	16	17	18	25	35	48
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
	€	9	10	11	12	15	22	32
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
	€	5	5	5	5	5	7	7
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
	€	4	4	4	4	4	5	5
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
	€	7	7	9	9	9	15	15

Tipo (grandezza) morsa / Vise type (size)	1	2	3	
Apertura massima / Maximum spread	A	100	120	160
Art. 667 Morse di precisione con barraseno (0 - 90°) Precision sine vises (0 - 90°)	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
	€	712	906	1.182

- 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

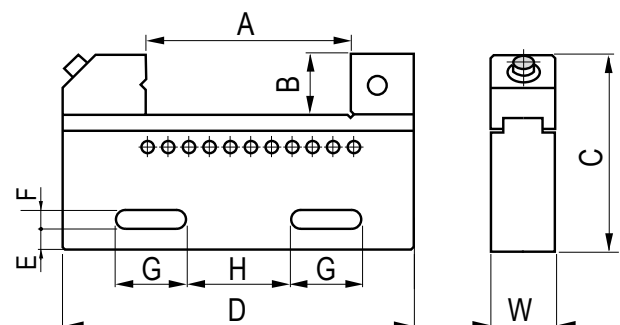


Tipo (grandezza) morsa / Vise type (size)	1	2	3	
Apertura massima / Maximum spread	A	100	150	214
Art. 668 Morse di precisione in acciaio inox Stainless steel precision vises	W	32	32	36
	B	30	35	40
	C	95	100	110
	D	170	226	300
	E	11	11	13,5
	F	9	9	9
	G	34	34	34
	H	50	70	70
	kg	4	5	6
	Cod.	1.66.81000	1.66.82000	1.66.83000
€	659	828	959	

- 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

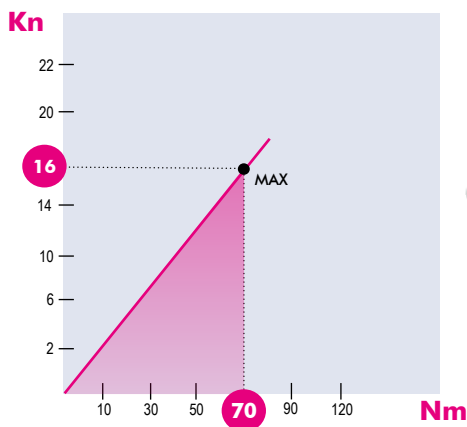
Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Art. 666 / 666S

Morse tipo
Vises type

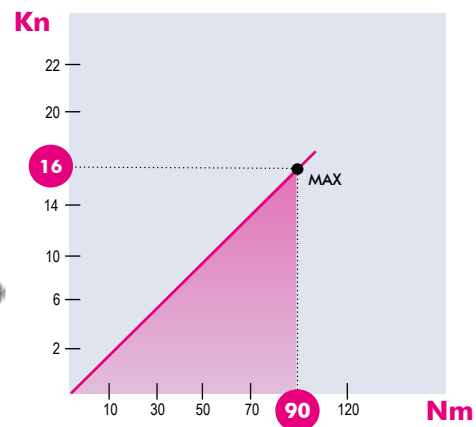
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Art. 357

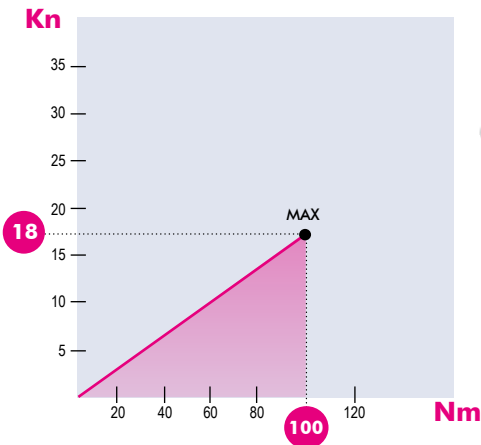
Morse tipo
Vises type

3



Morse tipo
Vises type

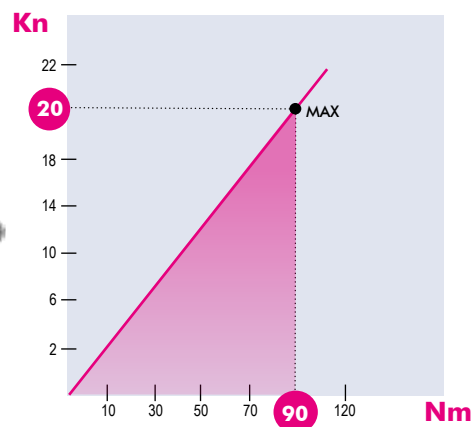
4-5-6-7



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.