

The perfect mix!
Price, Quality, Versatility

STD - StandardFLEX - OK

Morse e Cubi / Vises & Vise Towers

DOGA® | USINAGE

✉ usinage-fraisage@doga.fr

☎ +33 1 30 66 41 41

⑧ 8, avenue Gutenberg - CS 50510
78317 Maurepas Cedex - FRANCE

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1 INDICE - INDEX

Art.	1.	pages	Art.	1.	pages	Art.	1.	pages	Art.	1.	pages
1	8		230E	20-22		672I	48				
1A	20		230F	20-22		672J	48				
1AE	20		242G	8-10		700	28				
1AZ	22		243G	12		701	30				
1AZE	22		246	14		750	28				
1E	8		246G	14		828A	30				
1Z	10		247	16		981	3				
1ZE	10		247G	16		985	3				
12	12		296	6		DIVIGER 205	36				
12E	12		313	8-10-14		DPG250	40				
14	14		313R	12-16							
14E	14		450	30							
15	16		666	46							
15E	16		666A	47							
40	24		666AS	47							
40A	24		666B	47							
40Z	24		666BS	47							
62K	24-37-39		666C	47							
81P	24		666CS	47							
99A	37-39		666D	47							
99B	37-39		666DS	47							
99H	37-39		666E	47							
99S	37-39		666ES	47							
99T	37-39		666F	47							
130	34		666FS	47							
130S	34		666G	47							
131	34		666GS	47							
131A	34		666H	47							
131AS	34		666HS	47							
131S	34		666I	47							
136	34		666IS	47							
136S	34		666L	47							
137	34		666LS	47							
137S	34		666M	47							
138	34		666MS	47							
138D	34		666N	47							
138DS	34		666NS	47							
138S	34		666O	45							
139	34		666OS	51							
139D	34		666S	46							
139DS	34		667	49							
139S	34		668	48							
150	34		672	48							
150A	34		672A	48							
150AS	34		672B	48							
150S	34		672C	48							
212	8-10-14-20-22		672D	48							
213	12		672E	48							
217	8-10		672F	48							
218	12-16		672G	48							
230B	20-22		672H	48							

VALIGETTA DI CAMPIONATURA STD / StdFLEX

SAMPLE KIT CASE STD / StdFLEX



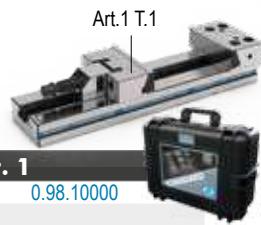
Art. 981

Valigetta di campionatura
morsa Art.1

Sample kit case Art.1 vise

Morsa / Vise Art. 1

Cod.



Art. 1 - All'Interno - Inside:

	Art.132		Art.313		Art.298		Art.147		Art.283		Art.376
	Art.133		Art.314		Art.370		Art.212		Art.285		Art.217
	Art.138		Art.271		Art.375		Art.297				

Art. 985

Valigetta di campionatura
morsa Art.1A

Sample kit case Art.1A vise

Morsa / Vise Art. 1A

Cod.



Art. 1A - All'Interno - Inside:

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

SIMBOLOGIA DATI TECNICI

TECHNICAL DATA ICONS

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

Morse e Cubi / Vises & Vise Towers

STANDARD


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

 Durezza / Hardened
HRC 58±2
La morsa più diffusa al mondo!
The most popular and copied vise in the world!

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

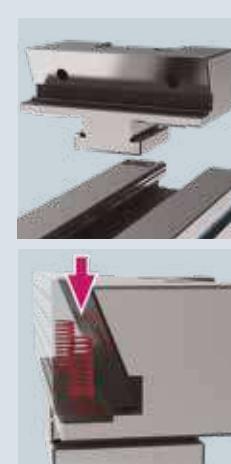
La semplicità nonché la compattezza costruttiva consentono un'apertura notevole rispetto all'ingombro totale dell'attrezzatura. Inoltre lo stesso peso (solo 25 kg per una morsa da 150 mm di larghezza ganascia) è tale da consentire un facile trasferimento da una macchina all'altra.

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 ganasca sono costruite con un angolo di spinta verso il basso. Ciò assicura, nel momento della chiusura, una frazione del pezzo contro la base della morsa (per trascinamento) e di conseguenza un bloccaggio sicuro e preciso.

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



Ganascia prismatica

Prismatic jaw

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

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



Fori filettati per sovraganascia

Threated holes for stack type jaw

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

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

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

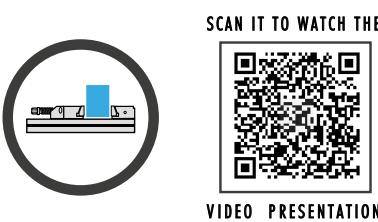
All GERARDI vises and accessories are modular and components of all our vises will interchange with perfect alignment. The vises can be matched side to side with the highest precision and minimum of set up times thanks to many fixed reference points. All this is possible thanks to the high precision 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.



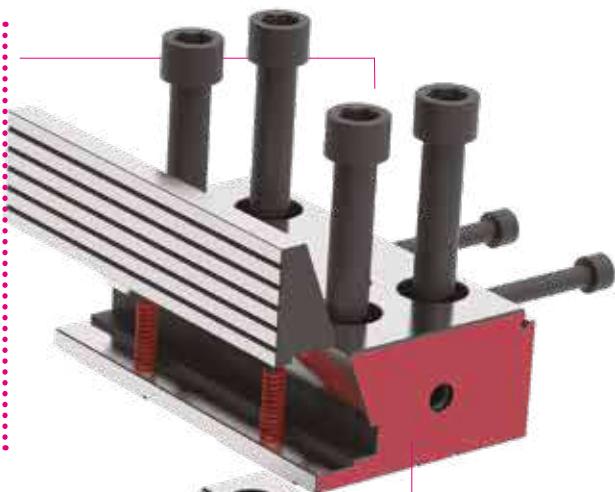
Versatility / Versatilità

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

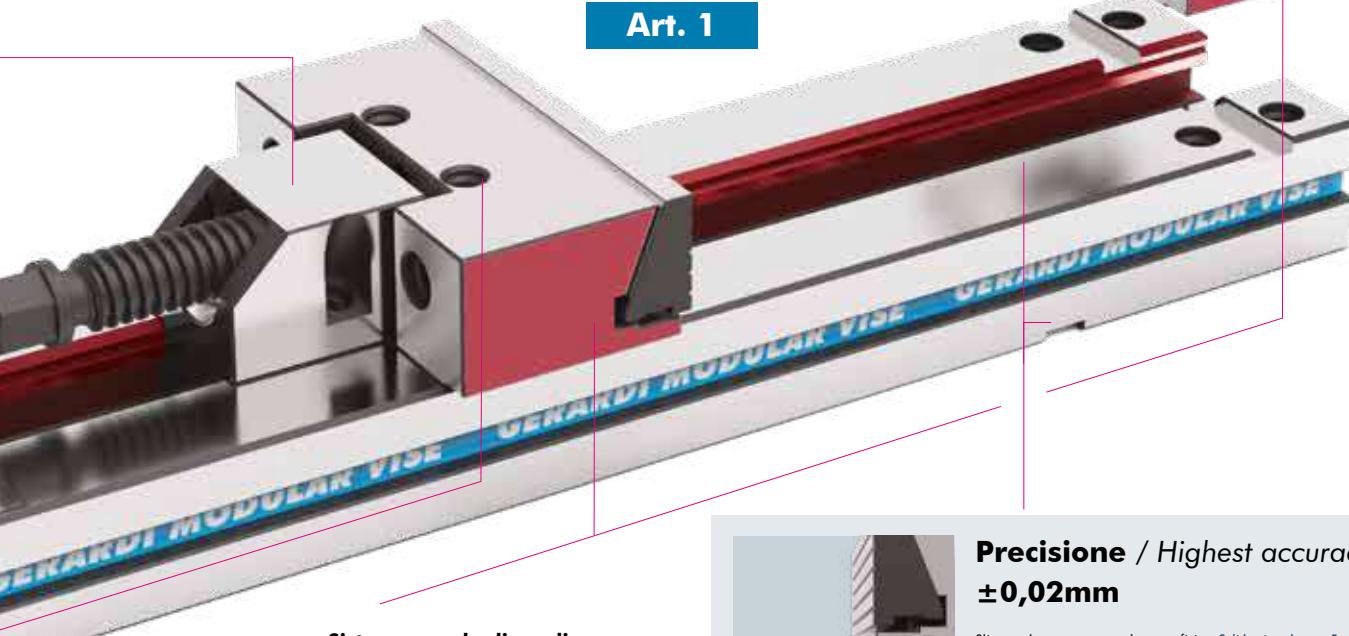
Fixed jaw with 5x5mm step machtable to the prismatic movable jaw (Art.217 to be ordered separately) which allows to clamp plates without parallels and round workpieces vertical & horizontal way. Vertical, sideways and gang operation are possible with the appropriate components (column, narrow width jaws,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



*Il trinomio perfetto!
Convenienza, Qualità, Versatilità
The perfect mix!
Price, Quality, Versatility*



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, prelavorando 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

Slitone base con tutte le superfici di scorrimento ed accoppiamento rettificate. L'allineamento agli assi della macchina avviene grazie alle chiavette longitudinali e trasversali (16H7) o fori di posizionamento (Ø16 mm F7), a richiesta, previsti sulla base di ciascuna morsa. Naturalmente tutto ciò consente oltre alle precisioni dichiarate tempi di installazione ristretti.



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

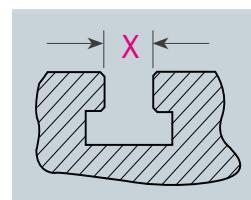
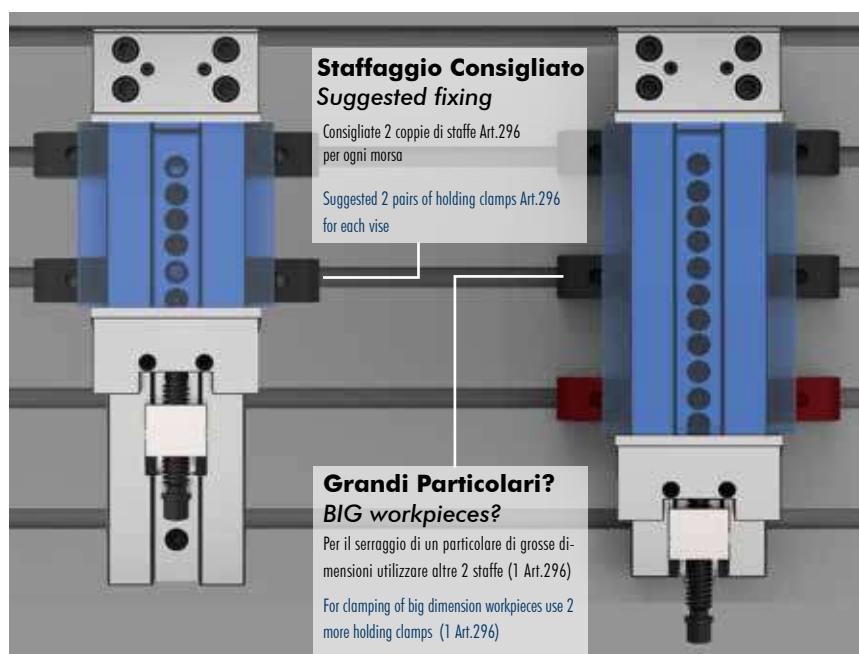


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm

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

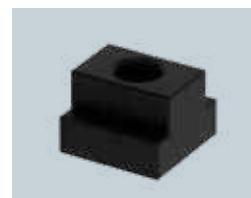


Cava a T

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 morsa alle cave a T della macchina

For vise clamping on the machine T-slots



Art.296

(Art.298 + Art.287)

Consigliate 2 copie di staffe Art.296 per ogni morsa

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

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

* Scelta consigliata - Suggested choice

* Scelta NON consigliata - NO Suggested choice

Soluzioni personalizzate / Customized solutions

Standard / StandardFLEX

Soluzioni personalizzate a tutti i vostri problemi di serraggio
Customized solutions for all your clamping problems



Morse StandardMatic

StandardMatic vises

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

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



Modularità & versatilità

Modularity & versatility

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

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



Morse modulari di precisione

Precision modular vises

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

Precision modular vises aligned for rather big workpiece clamping



Ganasce monoblocco guidate

Solid Guided jaws

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

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



Usura inesistente

No wear

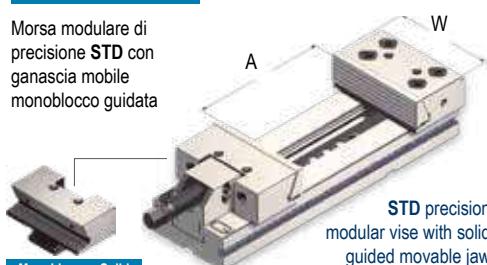
Costruzione in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 60 ± 2 HRC

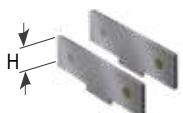
High alloyed quality resistance steel, case hardened HRC 60±2

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4			
		16 kN	25 kN	25 kN	30 kN	400	500				
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	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		

Art. 1

Morsa modulare di precisione STD con ganascia mobile monoblocco guidata


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

 Parallelle magnetiche
Magnetic parallel plates

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

Cod. 4.31.3100C 4.31.3200C 4.31.3300C 4.31.3400C

H 23 33 43 53

Art. 212

 Ganascia mobile intermedia
(da usare con Art. 313)
Intermediate movable jaw (to be used with Art. 313)


Cod. 1.21.21000 1.21.22000 1.21.23000 1.21.24000

Art. 217

 Ganascia mobile prismatica
Prismatic movable jaw


Cod. 2.21.71000 2.21.72000 2.21.73000 2.21.74000

Art. 242G

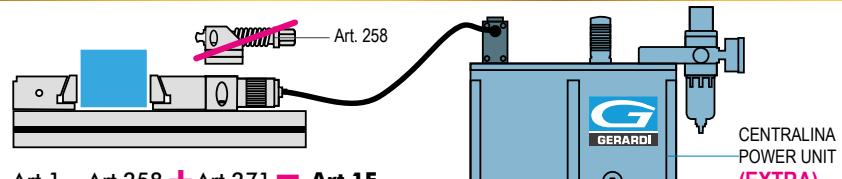
 Piastra ganascia con inserti GRIP
completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel


Cod. 1.24.2G100 1.24.2G200 1.24.2G300 1.24.2G400

Art. 1E

 Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto


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

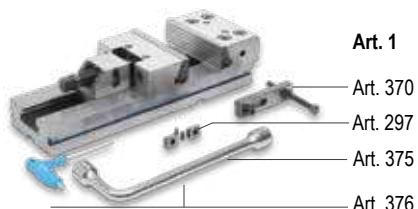
MORSE StandardMatic


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 (toleranza F7)

Extra per ogni chiodetta (toleranza H7)

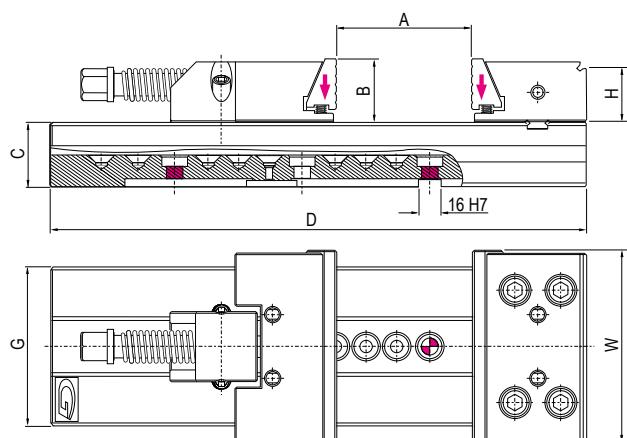


Standard equipment:

- 1 workstop Art. 370
- 1 paio di tasselli di posizionamento per cava da 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)

Extra charge for each calibrated key nut (F7 tolerance)


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

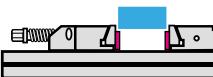
	5 40 kN					6 40 kN							
A	200	300	400	500	600	200	300	400	500	600	700	800	
W			200						300				
B			65						80				
C			70						78				
D	495	595	695	795	895	535	635	735	835	935	1035	1135	
G			170						195				
kg	64	69	74	79	84	95	105	115	125	135	145	155	
Cod.	3.05.20000	3.05.30000	3.05.40000	3.05.50000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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C

Art. 313

53

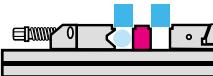


4.31.3600C

68

1.21.25000

Art. 212



1.21.26000

Art. 217

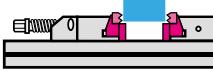
2.21.75000



2.21.76000

Art. 242G

1.24.2G500



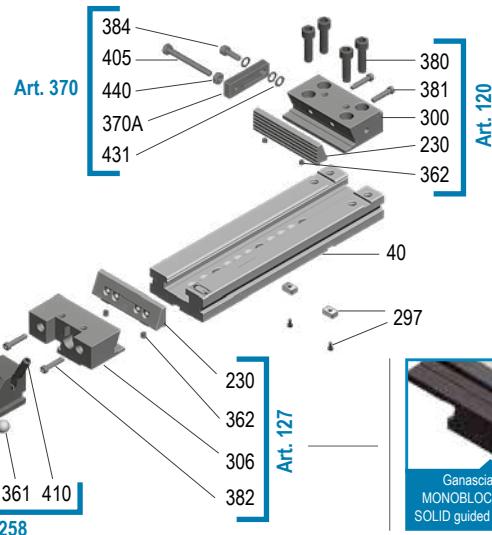
1.24.2G600

Cod.

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

StandardMatic VISES

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

Art. 1

Art. Pag.
40 1.24

230 4.9

282 4.36

297 4.34

300 4.29

306 4.29

360 4.36

361 4.36

362 4.28

370A 4.35

375 4.35

Art. Pag.
376 4.35

380 4.28

381 4.28

382 4.28

384 4.28

405 4.35

410 4.36

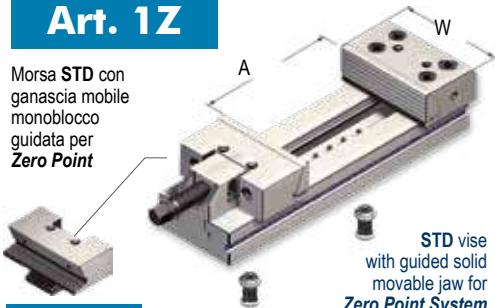
431 4.28

440 4.28

- -

- -

Tipo (grandezza) morsa / Vise type (size)	kN	1 * 16 kN		2 25 kN		3 30 kN		4 30 kN			
		16 kN	25 kN	25 kN	30 kN	30 kN	30 kN	30 kN	400	500	
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500		
	W	100	125		150			175			
Art. 1Z	B	30	40		50			60			
Morsa STD con ganascia mobile monoblocco guidata per Zero Point	C	35	40		50			58			
	D	270	345	420	520	455	555	655	755		
	G	75	95		125			145			
Monoblock - Solid	kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2		
	Cod.	1.1Z.10000	1.1Z.20000	1.1Z.32000	1.1Z.33000	1.1Z.42000	11Z.43000	1.1Z.44000	1.1Z.45000		



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

Parallele magnetiche
Magnetic parallel plates



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

Cod. 4.31.3100C 4.31.3200C 4.31.3300C 4.31.3400C

H 23 33 43 53

Art. 212

Ganascia mobile intermedia
(da usare con Art. 313)
Intermediate movable jaw (to be used with Art. 313)



Cod. 1.21.21000 1.21.22000 1.21.23000 1.21.24000

Art. 217

Ganascia mobile prismatica
Prismatic movable jaw



Cod. 2.21.71000 2.21.72000 2.21.73000 2.21.74000

Art. 242G

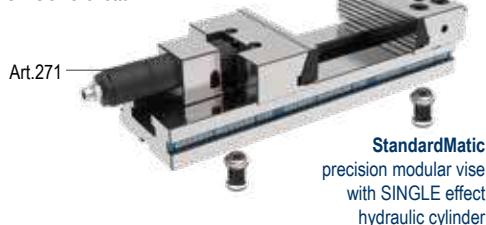
Piastre ganascia con inserti GRIP
completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel



Cod. 1.24.2G100 1.24.2G200 1.24.2G300 1.24.2G400

Art. 1ZE

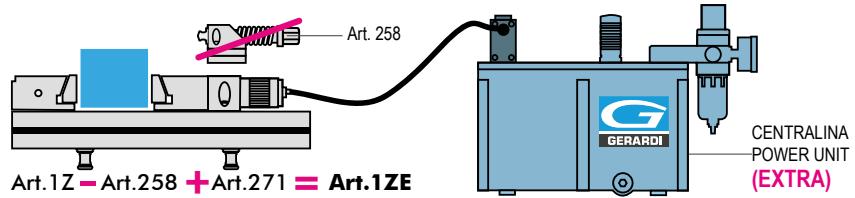
Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto



NEW
2021

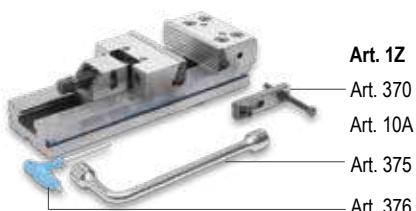
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic



Dotazione standard:

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



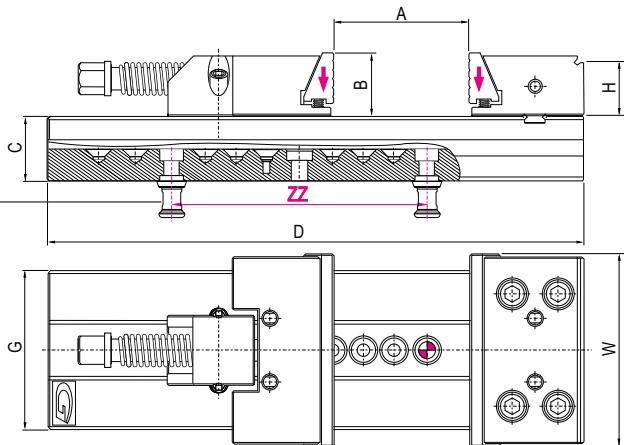
Standard equipment:

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

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

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

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



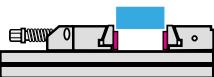
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1Z.52000	1.1Z.53000	1.1Z.54000	1.1Z.55000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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C

Art. 313

53

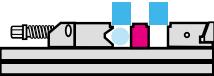


4.31.3600C

68

1.21.25000

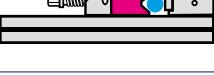
Art. 212



1.21.26000

Art. 217

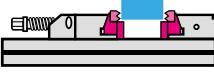
2.21.75000



2.21.76000

Art. 242G

1.24.2G500



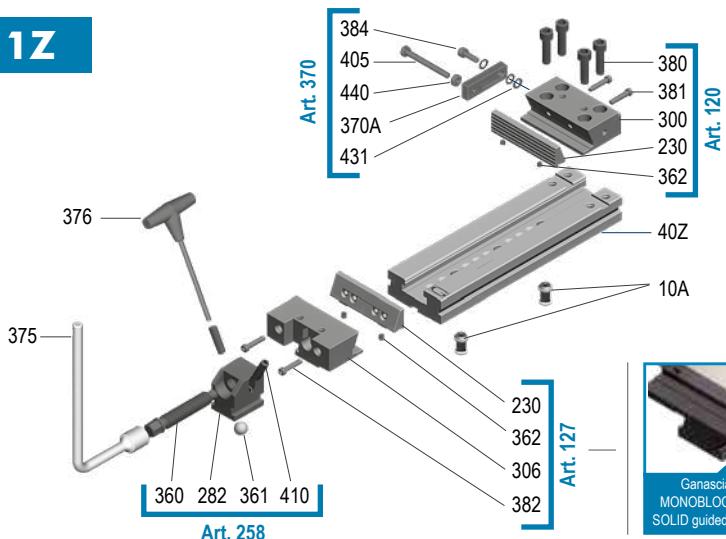
1.24.2G600

Cod.

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

StandardMatic VISES

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

Art. 1Z


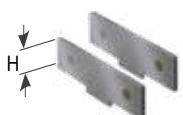
Art.	Pag.	Art.	Pag.
10A	9.31	376	4.35
40Z	1.24	380	4.28
230	4.9	381	4.28
282	4.36	382	4.28
300	4.29	384	4.28
306	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-
375	4.35	-	-

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4			
		16 kN	25 kN	30 kN							
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500		
Art. 12	W	75	95	125				145			
Morsa STD con ganasce ridotte rettificate. (Maggior Pressione)	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		
Monoblocco - Solid											

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313R

Parallele magnetiche
Magnetic parallel plates



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

Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
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H	23	33	43	53
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Art. 213

Ganasca mobile intermedia
(da usare con Art. 313R)
Intermediate movable jaw (to be used with Art. 313R)



Cod.	1.21.31000	1.21.32000	1.21.33000	1.21.34000
------	------------	------------	------------	------------

Art. 218

Ganasca mobile prismatica
Prismatic movable jaw



Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000
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Art. 243G

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



Cod.	1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400
------	------------	------------	------------	------------

Art. 12E

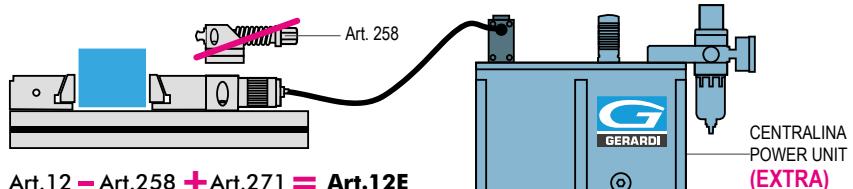
Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto



NEW 2021

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



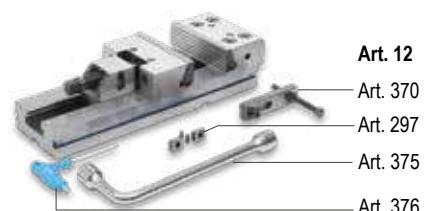
Art.12 + Art.258 + Art.271 = Art.12E

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 (toleranza F7)

Extra per ogni chiodetta (toleranza H7)

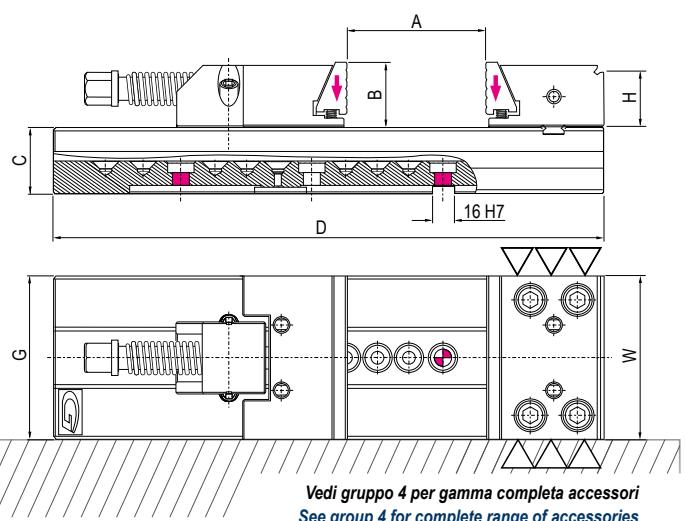


Standard equipment:

- 1 workstop Art. 370
- 1 paio di tasselli per 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)

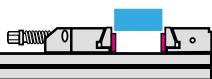
Extra charge for each calibrated key nut (F7 tolerance)



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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3R50C



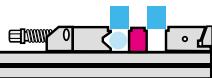
4.31.3R60C

Art. 313R

53

68

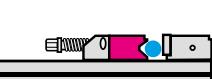
1.21.35000



1.21.36000

Art. 213

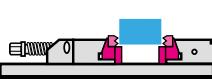
2.21.85000



2.21.86000

Art. 218

124.3G500



1.24.3G600

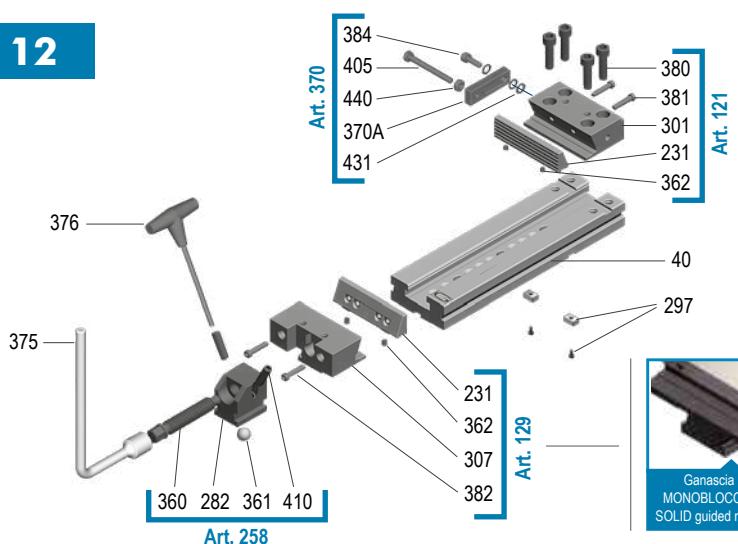
Art. 243G

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

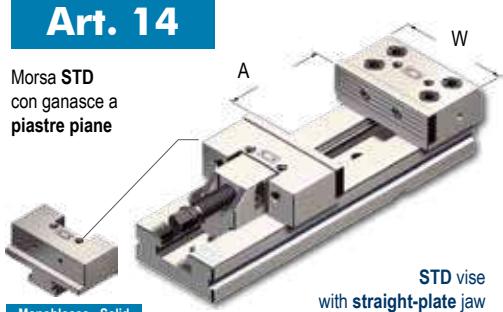
StandardMatic VISES



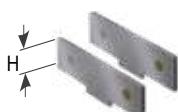
Art. 12



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
Apertura massima / Maximum spread	A	100	150	200	300
	W	100	125	150	175
Art. 14	B	30	40	50	60
Morsa STD con ganasce a piastre piane	C	35	40	50	58
	D	270	345	420	520
	G	75	95	125	145
Monoblocco - Solid	kg	6.8	12.9	25.5	29
	Cod.	1.14.10000	1.14.20000	1.14.32000	1.14.33000
					1.14.42000
					1.14.43000
					1.14.44000
					1.14.45000

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

 Parallelle magnetiche
 Magnetic parallel plates

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

Cod. 4.31.3100C 4.31.3200C 4.31.3300C 4.31.3400C

H 23 33 43 53

Art. 212

 Ganascia mobile intermedia
 (da usare con Art. 313)
 Intermediate movable jaw (to be used with Art. 313)

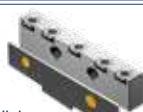

Cod. 1.21.21000 1.21.22000 1.21.23000 1.21.24000

Art. 246

 Piastra piana in acciaio lavorabile
 Machinable steel straight jaw plate


Cod. 1.65.16200 1.65.26200 1.65.36200 1.65.46200

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

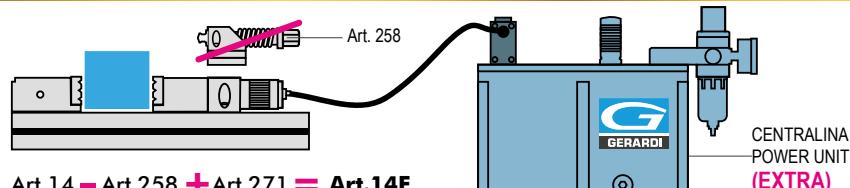
Art. 14E

 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

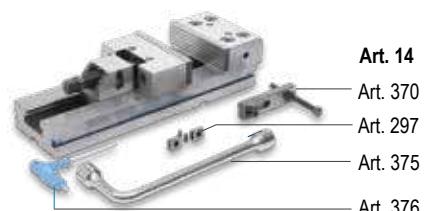
MORSE StandardMatic


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 (toleranza F7)

Extra per ogni chiodetta (toleranza H7)

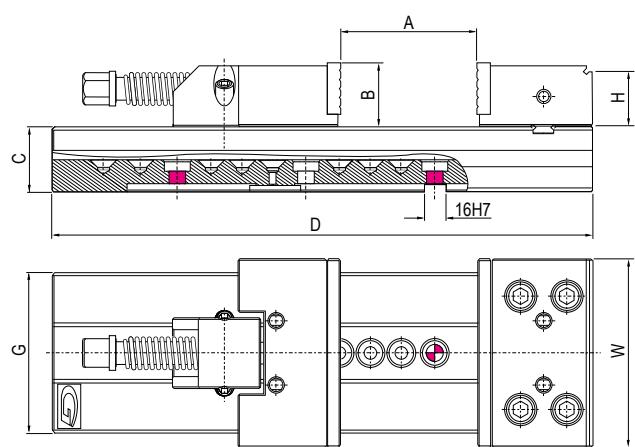


Standard equipment:

- 1 workstop Art. 370
- 1 paia di tasselli di posizionamento per 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)

Extra charge for each calibrated key nut (F7 tolerance)


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

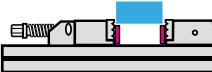
	5 40 kN					6 40 kN							
A	200	300	400	500	600	200	300	400	500	600	700	800	
W			200						300				
B			65						80				
C			70						78				
D	495	595	695	795	895	535	635	735	835	935	1035	1135	
G			170						195				
kg	64	69	74	79	84	95	105	115	125	135	145	155	
Cod.	1.14.52000	1.14.53000	1.14.54000	1.14.55000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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C

Art. 313

53

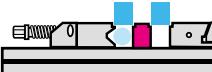


4.31.3600C

68

1.21.25000

Art. 212



1.21.26000

Art. 246

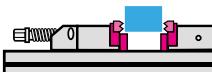
1.65.56200



1.65.66200

1.24.6G500

Art. 246G



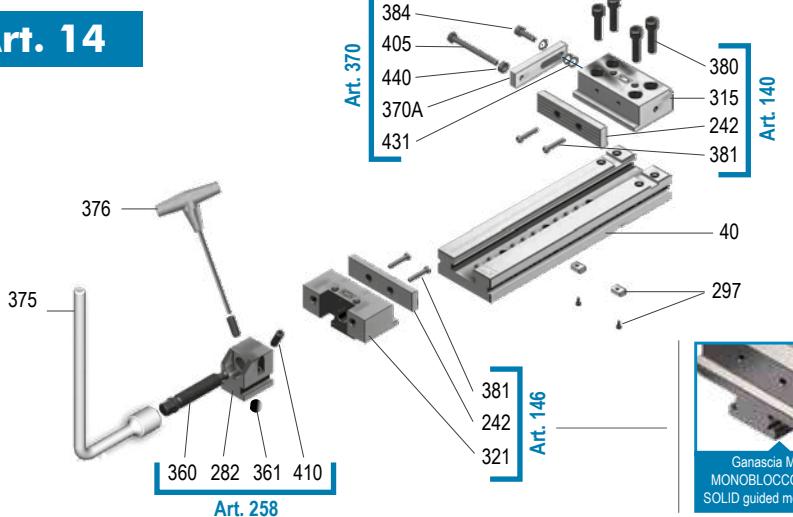
1.24.6G600

Cod.

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

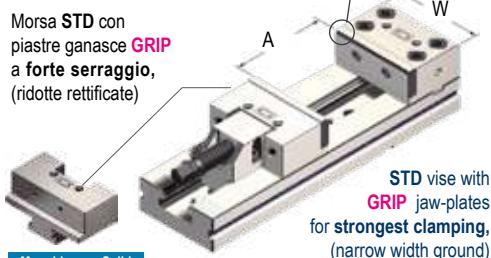
StandardMatic VISES

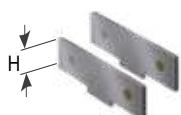
Centralina Pneumoidraulica Art.393/394/395 (EXTRA)
 Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 14


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

Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3	4			
		16 kN	25 kN	30 kN	30 kN	30 kN	400	500
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400
	W	75	95	125			145	
Morsa STD con piastre ganasce GRIP a forte serraggio, (ridotte rettificate)	B	30	40	50			60	
	C	35	40	50			58	
STD vise with GRIP jaw-plates for strongest clamping, (narrow width ground)	D	270	345	420	520	455	555	655
Monoblocco - Solid	G	75	95	125			145	
	kg	6.2	11.9	24.2	27.8	35	39	46
	Cod.	1.15.10000	1.15.20000	1.15.32000	1.15.33000	1.15.42000	1.15.43000	1.15.44000
								1.15.45000

Art. 15

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

 Parallelle magnetiche
 Magnetic parallel plates

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

Cod. 4.31.3R10C 4.31.3R20C 4.31.3R30C 4.31.3R40C

H 23 33 43 53

Art. 247

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


Cod. 1.65.17200 1.65.27200 1.65.37200 1.65.47200

Art. 218

 Ganasca mobile prismatica
 Prismatic movable jaw


Cod. 2.21.81000 2.21.82000 2.21.83000 2.21.84000

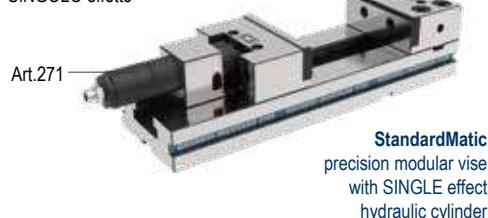
Art. 247G

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

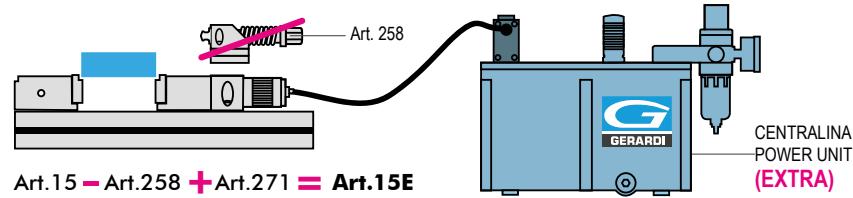

Cod. 1.24.7G100 1.24.7G200 1.24.7G300 1.24.7G400

Art. 15E

Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto


NEW 2021

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

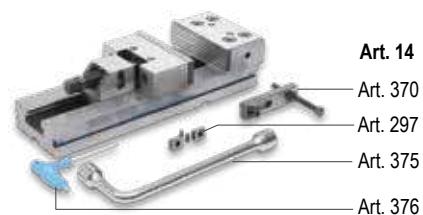
MORSE StandardMatic


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 (toleranza F7)

Extra per ogni chiodetta (toleranza H7)

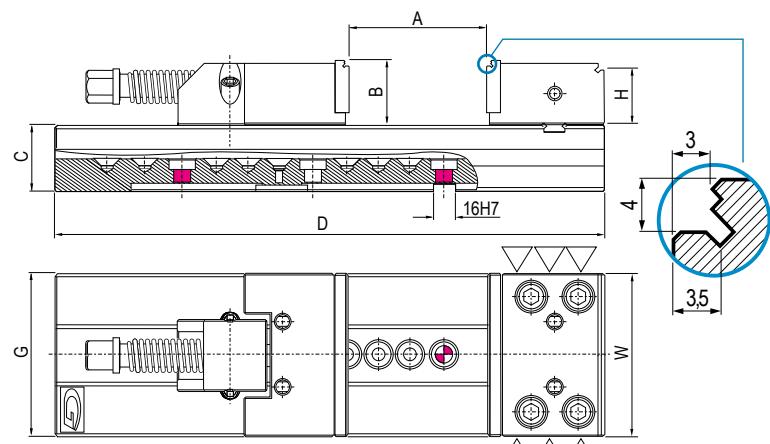


Standard equipment:

- 1 workstop Art. 370
- 1 paio di tasselli di posizionamento per 16 mm slot Art. 297
- 1 box wrench Art. 375 ■ 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance)

Extra charge for each calibrated key nut (F7 tolerance)


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

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

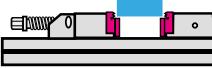
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3R50C

4.31.3R60C

Art. 313R

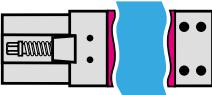
53



68

1.65.57200

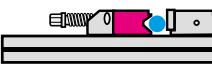
Art. 247



1.65.67200

Art. 218

2.21.85000



2.21.86000

Art. 247G

1.24.7G500



1.24.7G600

Cod.

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

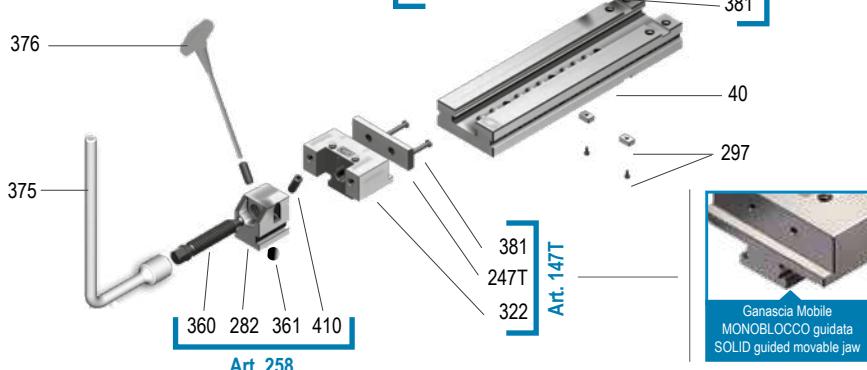
StandardMatic VISES



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



Art. 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±2
La morsa più evoluta!
The most recent vise!
CARATTERISTICHE & VANTAGGI

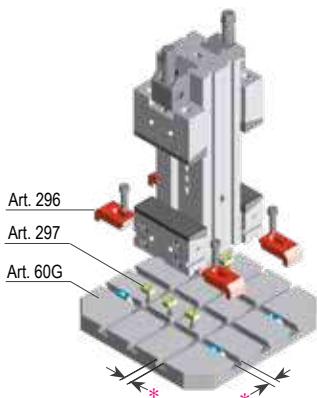
- ✓ USURA INESISTENTE
- ✓ RAPIDITÀ DEI SERRAGGI
- ✓ MODULARITÀ & VERSATILITÀ
- ✓ PRECISIONI $\pm 0,02$ mm
- ✓ RIGIDITÀ & SICUREZZA
- ✓ DESIGN COMPATTO E MANEGGEVOLEZZA

Si rimanda a quanto esposto a pag. 1.4 e 1.5

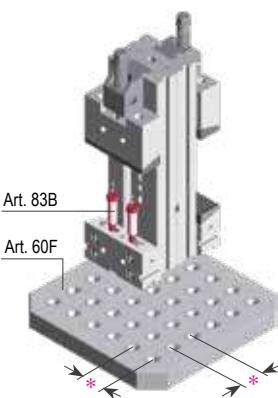
TECHNICAL FEATURES & ADVANTAGES

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

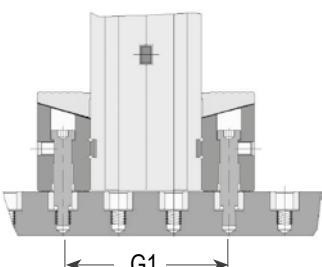
See pag. 1.4 and 1.5 (STANDARD series vises)



▲ * 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

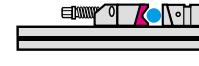
 Completo di piastre ganasce a cambio rapido a gradino Art.230E
 Complete of quick change step jaw plates Art.230E

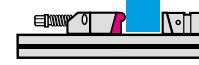
Vedi Pag. 4.22 - See Page.4.22

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

Art. 230B
 Dolce
 Soft

Art. 230C
 Liscia
 Smooth

Art. 230D
 Zigrinata
 Serrated

Art. 230E
 Con gradino
 With step

Art. 230F
 Prismatica
 Prismatic

Art. 230G
 Con arresto a 90°
 With 90° stop

Art. 230H
 Bombata
 Round

Art. 230M
 Angolo di 30° o 45°
 30° or 45° angle

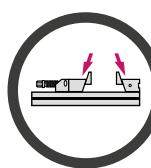
**Montaggio
Verticale**
 Vertical Mounting

 Montaggio in verticale di due morse StandardFLEX contrapposte su piani a reticolo.
 016mm. passo 50mm

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

Le morsse GERARDI della serie Standardflex sono un'evoluzione della morsa Standard. La loro caratteristica principale è la sostituzione rapida delle piastre ganascia 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 ganascia, 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!!!).



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

Innovative Comb system for quick pull-down jaw plate change



Riconfigurazione Rapidissima

Quickest Vise Resetting

grazie alla piastra ganascia intercambiabile manualmente tramite sistema a pettine

Thanks to the quick interchangeable jaw plate through ground comb system



Altissima ripetibilità di posizionamento

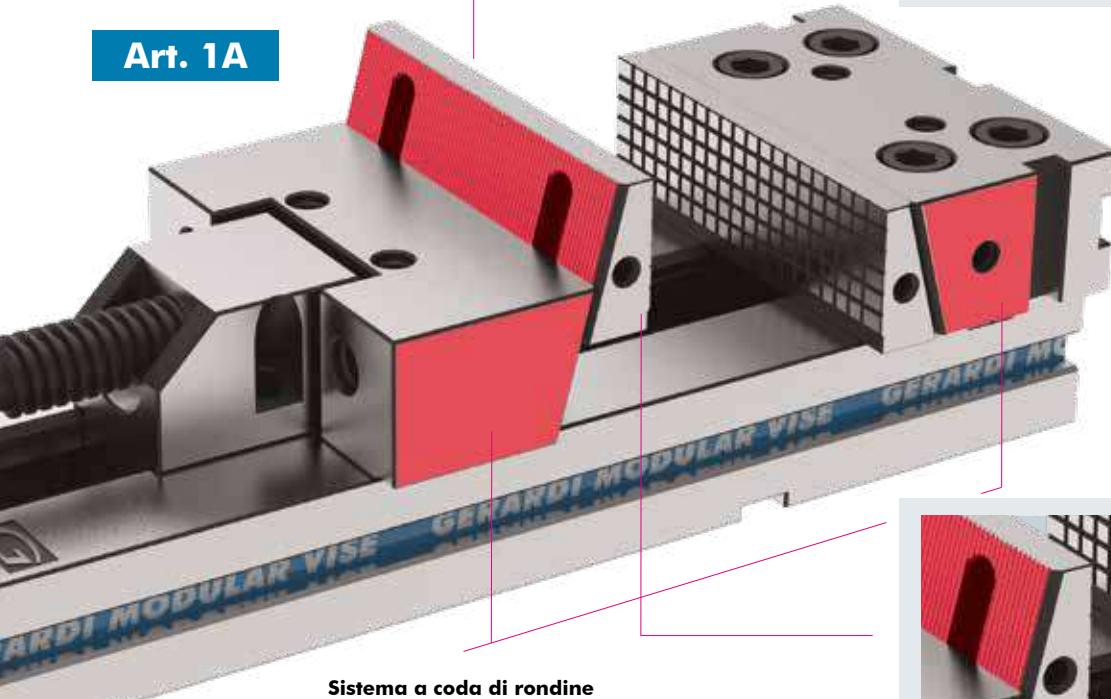
Highest repositioning accuracy

±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

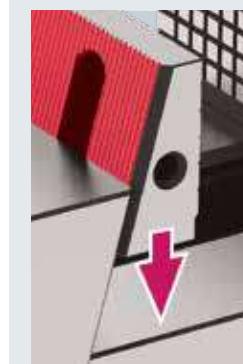


Sistema a coda di rondine

Dove tail system

Rimovendo le piastre ganascia è possibile sfruttare l'inclinazione a 15° del corpo per serrare il particolare, prelavorando 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

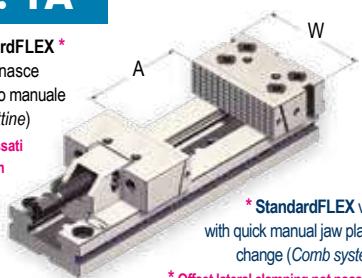




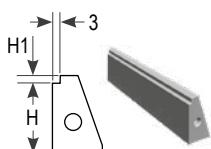
Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3	4			
		16 kN	25 kN	30 kN	30 kN	30 kN	400	500
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400
	W	96	121	146			171	
	B	28	38	48			58	
	C	35	40	50			58	
	D	270	345	420	520	455	555	655
	G	75	95	125			145	
	kg	6.8	12.9	25.5	29	37	42	52
	Cod.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

Art. 1A

Morsa StandardFLEX *
con piastre ganasce
a cambio rapido manuale
(Sistema a pettine)
* Serraggi disassati
lateralemente non
possibili.

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

Piastra ganascia intercambiabile
Interchangeable jaw plate



Cod. 4.23.0E101 4.23.0E201 4.23.0E301

4.23.0E401

H 23 33 43 53
H1 5 5 5 5**Art. 212**

Ganasca mobile intermedia
(da usare con Art. 230E)



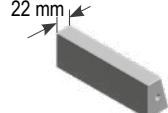
Cod. 1.21.21000 1.21.22000 1.21.23000

1.21.24000

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

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod. 4.23.0B101 4.23.0B201 4.23.0B301

4.23.0B401

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate



Cod. 4.23.0F101 4.23.0F201 4.23.0F301

4.23.0F401

Art. 1AE

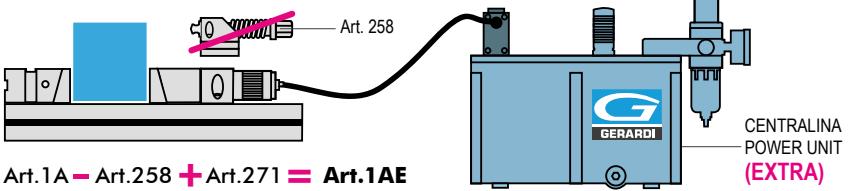
NEW 2021

Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto



StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

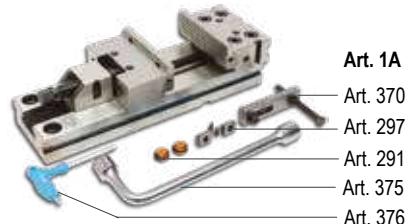
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic

Dotazione standard:

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

Fori rettificati e calibrati con tolleranza F7 già inclusi nel prezzo

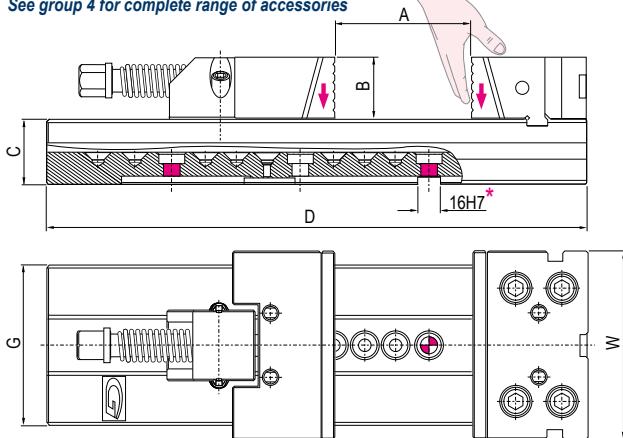


Standard equipment:

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

Ground calibrated holes F7 tolerance already included in the price

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



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



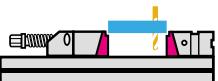
	5 40 kN					6 40 kN							
A	200	300	400	500	600	200	300	400	500	600	700	800	
W			196						296				
B			63						78				
C			70						78				
D	495	595	695	795	895	535	635	735	835	935	1035	1135	
G			170						195				
kg	64	69	74	79	84	95	105	115	125	135	145	155	
Cod.	1.1A.52000	1.1A.53000	1.1A.54000	1.1A.55000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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501

Art. 230E

H	53
H1	10

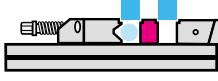


4.23.0E601

68
10

1.21.25000

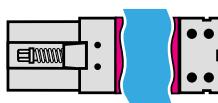
Art. 212



1.21.26000

Art. 230B

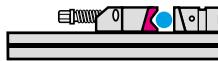
4.23.0B501



4.23.0B601

Art. 230F

4.23.0F501



4.23.0F601

Cod.

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

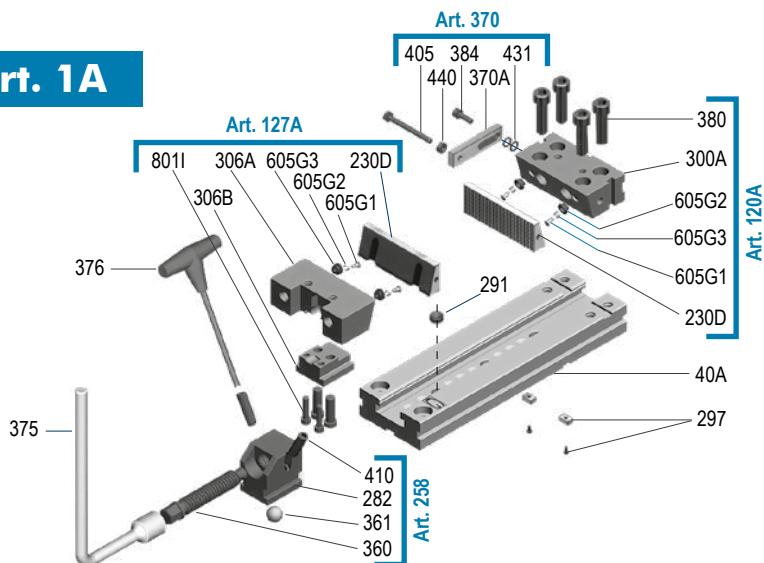
StandardMatic VISES



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



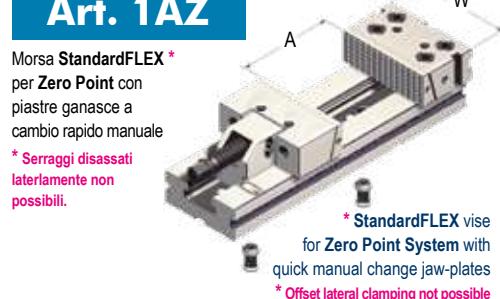
Art. 1A



Art.	Pag.	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	-	-



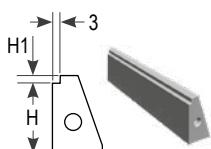
Tipo (grandezza) morsa / Vise type (size)	kN	1 *	2	3	4			
		16 kN	25 kN	30 kN	30 kN	30 kN	400	500
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400
Art. 1AZ	W	96	121	146			171	
Morsa StandardFLEX *	B	28	38	48			58	
per Zero Point con piastre ganasce a cambio rapido manuale	C	35	40	50			58	
* Serraggi disassati lateralmente non possibili.	D	270	345	420	520	455	555	655
	G	75	95	125			145	
	kg	7.3	13.2	26.2	29.7	37.9	43	48.1
	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



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 230E

Piastra ganascia intercambiabile
Interchangeable jaw plate



Cod. 4.23.0E101 4.23.0E201 4.23.0E301

4.23.0E401

H 23 33 43 53
H1 5 5 5 5**Art. 212**

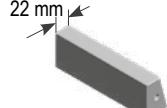
Ganasca mobile intermedia
(da usare con Art. 230E)
Intermediate movable jaw (to be used with Art. 230E)



Cod. 1.21.21000 1.21.22000 1.21.23000 1.21.24000

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod. 4.23.0B101 4.23.0B201 4.23.0B301

4.23.0B401

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate



Cod. 4.23.0F101 4.23.0F201 4.23.0F301

4.23.0F401

Art. 1AZE

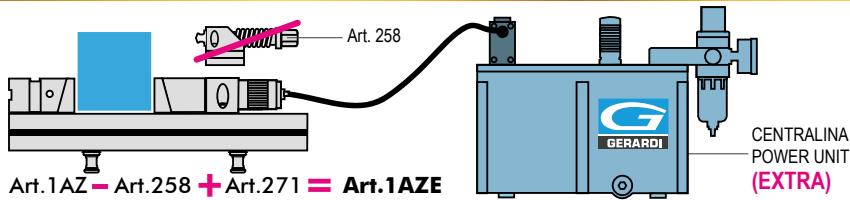
Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto



StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

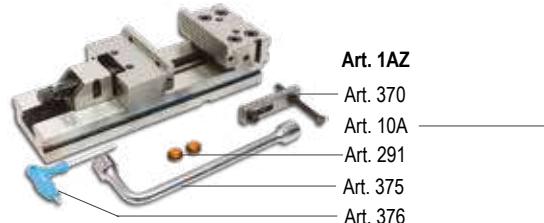
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic



Dotazione standard:

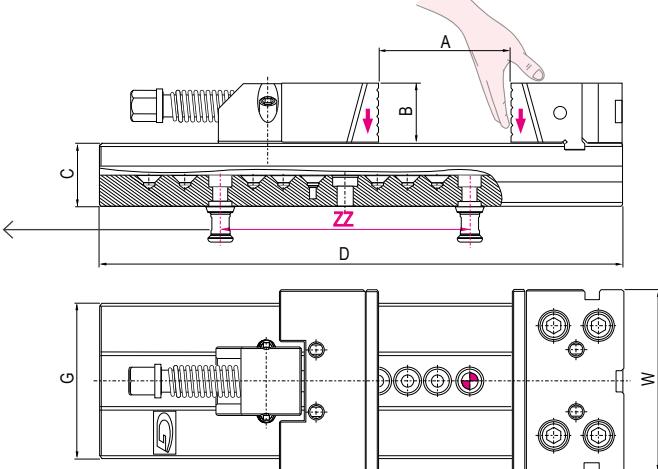
- 1 arresto laterale Art. 370
- 2 tiranti Art. 10A
- 2 tappi Art. 291
- 1 chiave a pipa Art. 375
- 1 chiave a "T" Art. 376



Standard equipment:

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

Art. 10A



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

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

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



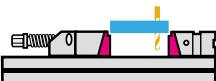
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			196						296			
B			63						78			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			200						300			
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1A.Z5200	1.1A.Z5300	1.1A.Z5400	1.1A.Z5500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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501

Art. 230E

H	53
H1	10

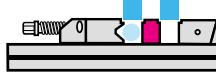


4.23.0E601

68
10

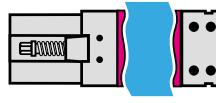
1.21.25000

Art. 212



1.21.26000

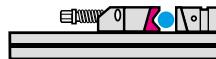
Art. 230B



4.23.0B601

4.23.0F501

Art. 230F



4.23.0F601

Cod.

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

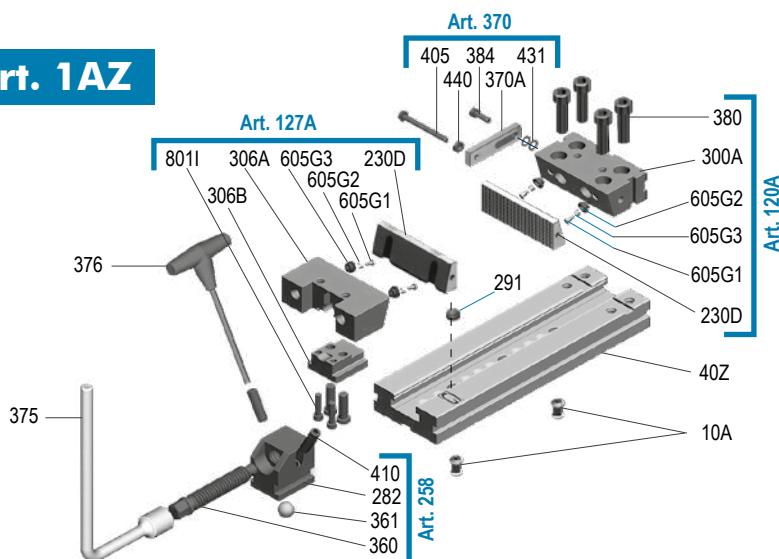
StandardMatic VISES



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



Art. 1AZ



Art.	Pag.	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	8011	5.61
375	4.35	-	-

Tipo (grandezza) / Type (size)

1 2 3 4

Art. 40

Slittone base
serie STD senza
alcuna dotazione



Vise base
STD series
supplied without any accessory

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

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

Art. 40A

Slittone base serie
StandardFLEX senza
alcuna dotazione



Vise base
StandardFLEX series
supplied without any accessory

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

Art. 40Z

Slittone base serie
Zero Point senza
alcuna dotazione



Vise base
Zero Point series
supplied without any accessory

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

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

PIASTRE D'INTERFAZIA ZERO POINT PER MORSE STD

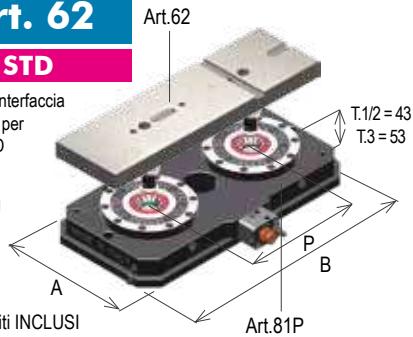
Art. 62

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



C1	28	28	33				33	
UU	86	86	97,5	97,5	104	104	104	104
ZZ	200	200	200	250	200	250	200x2	200x2
kg	4,5	7,2	13,5	16,7	17	20,8	24,4	28,2
Cod.	1.62.11000	1.62.21500	1.62.32000	1.62.33000	1.62.42000	1.62.43000	1.62.44000	1.62.45000
A	200	200	200	200	200	200	200	200
B	400	400	400	500	400	500	600	600
Art.	Tipo / 665	Type 1						
P	200	200	200	250	200	250	200x2	200x2
kg	31	29	29	35	29	35	42	42

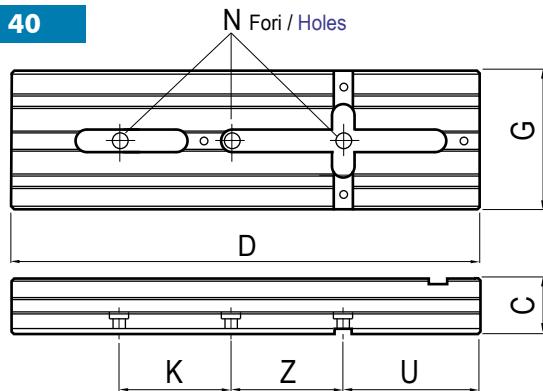
Art. 81P

**NEW
2021**

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

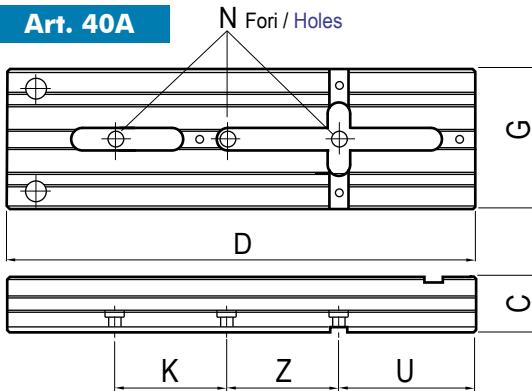
Cod.	9.81.P12040S2	9.81.P2040S2	9.81.P2040S2	9.81.P2050S2	9.81.P2040S2	9.81.P2050S2	9.81.P2060S3	9.81.P2060S3

Art. 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
G			170						195		
K			100						100		
N	2	3	4	5	6	4	5	6	7	8	9
U			145						152		
Z			100						100		
kg	32,6	39,2	45,8	52,5	59	47	56	65	74	83	61
Cod.	1.80.50495	1.80.50595	1.80.50695	1.80.50795	1.80.50895	1.80.60535	1.80.60635	1.80.60735	1.80.60835	1.80.60935	1.80.60035
											1.80.60135

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

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

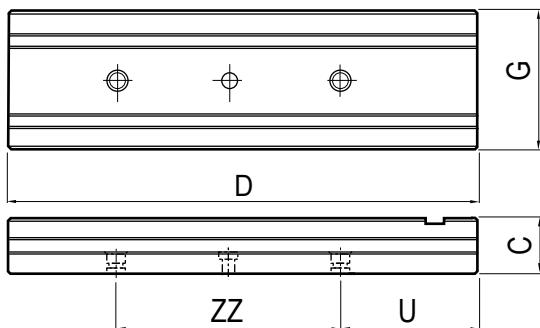
ZZ	200	200	300	300	300	300	300	300	300	300	300x2	300x2
kg	33	40	46	53	59	47	56	65	74	83	91	100
Cod.	1.40.Z5200	1.40.Z5300	1.40.Z5400	1.40.Z5500	1.40.Z5600	1.40.Z6200	1.40.Z6300	1.40.Z6400	1.40.Z6500	1.40.Z6600	1.40.Z6700	1.40.Z6800

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

ZERO POINT CONNECTING PLATES FOR STD VISES

C1		38							38			
UU		120							127			
ZZ	250	200	200x2	300x2	300x2	250	200x2	200x2	300x2	300x2	400x2	400x2
kg	25	30	35	40	45	31	36,7	42,5	48,3	54	59,8	65,6
Cod.	1.62.52000	1.62.53000	1.62.54000	1.62.55000	1.62.56000	1.62.62000	1.62.63000	1.62.64000	1.62.65000	1.62.66000	1.62.67000	1.62.68000
A	200	200	200	200	200	250	250	250	250	250	250	250
B	500	400	600	800	800	500	600	600	800	800	1000	1000
Art.	Tipo / Type T.2					Tipo / Type 3						
665												
P	250	200	200x2	300x2	300x2	250	200x2	200x2	300x2	300x2	400x2	400x2
kg	35	29	42	59	59	-	-	-	-	-	-	-
Cod.	9.81.P2050S2	9.81.P2040S2	9.81.P2060S3	9.81.P2080S3	9.81.P2080S3	9.81.P32550S2	9.81.P32560S3	9.81.P32560S3	9.81.P32580S3	9.81.P32580S3	9.81.P325100S3	9.81.P325100S3

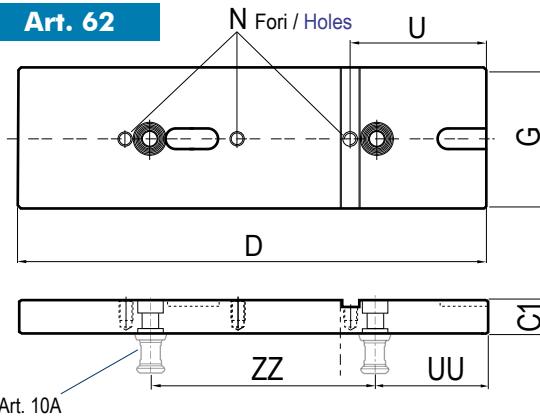
Art. 40Z



Versione normale: 2 o 3 fori filettati per tiranti Art. 10A - Tipo 2

Normal version: 2-3 holes threaded for pull studs Art. 10A - Type 2

Art. 62



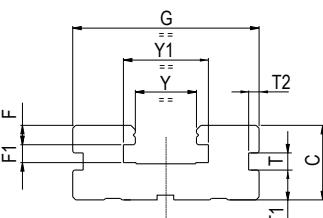
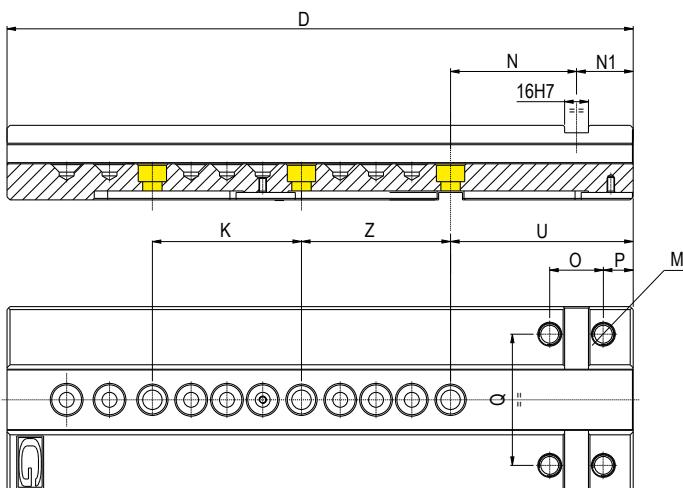
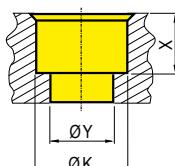
Tipo (grandezza) morsa / Vise type (size)
1
2
3
4

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		
-	U1	111	111	122,5	129			229	
-	K	-	-	100			100		
-	Z	100	100	100			100		

Art. 40

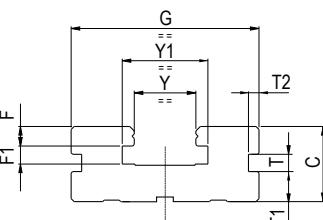
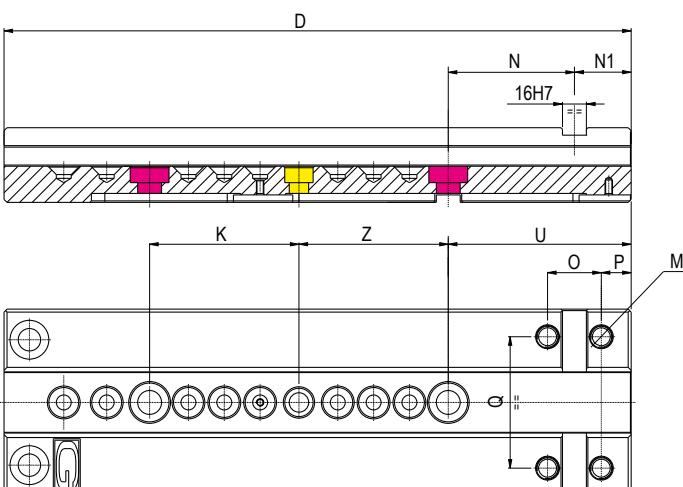
Slittone base serie STD / Vise base STD series


Dettaglio foro per vite TCEI / TCEI screw hole details


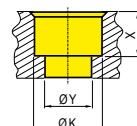
Type	1	2	3	4	5	6
X	4,5	5,5	12,5	12,5	17	17
Ø Y	6,5	8,5	13	13	17	17
Ø K	10,5	13,5	19	19	26	26

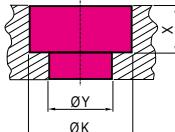
Art. 40A

Slittone base serie StandardFLEX / Vise base StandardFLEX series


Dettaglio foro per vite TCEI / TCEI screw hole details
TIPO 3 - TYPE 3

Type	3
X	8
Ø Y	13
Ø K	19


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

Dettaglio foro per vite calibrata / Calibrated screw hole details


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

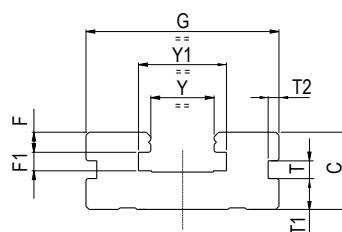
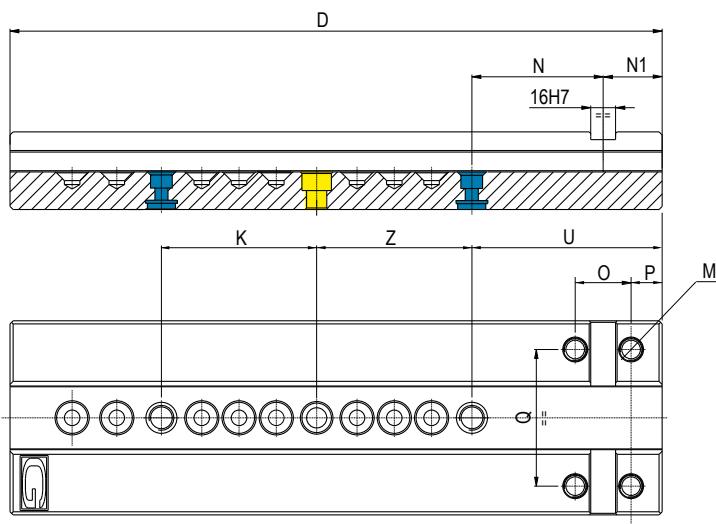
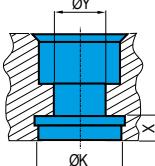
5

6

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

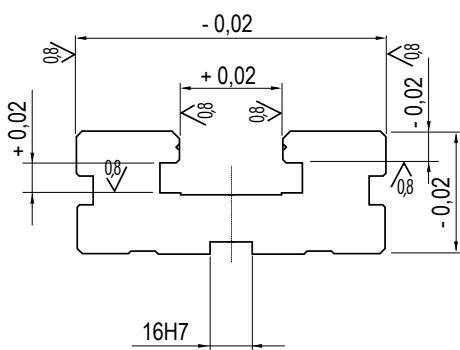
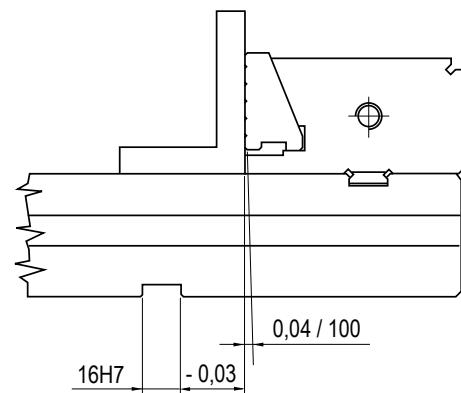
Art. 40Z

Slittone base serie ZERO POINT / Vise base ZERO POINT series

*Dettaglio foro per Zero Point / Zero Point hole details*

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

Tolleranze generiche per morse XL / XL vise generic tolerances





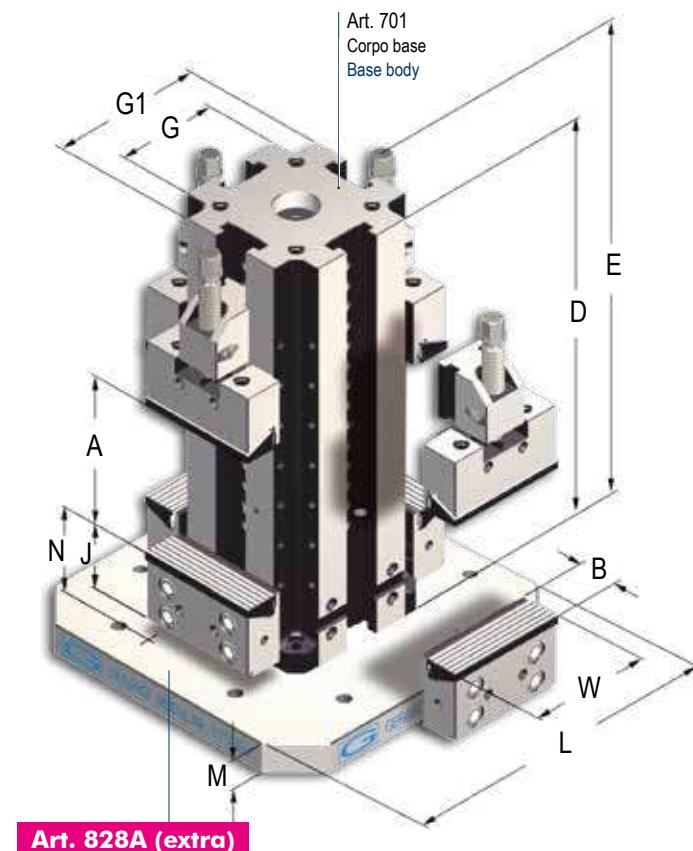
Tipo (grandezza) morsa / Vise type (size)		kN	1	16 kN
		A	80	130
		W	100	
Art. 700		B	30	
Cubomorsa modulare standard in monoblocco Standard modular vise tower in solid body		D	250	300
		E	300	350
		G	75	
		G1	120	
		J	77,9	
		L	300	
		M	33	
		N	85	
		kg	37	42
		Cod.	3.70.00801	3.70.01301

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:

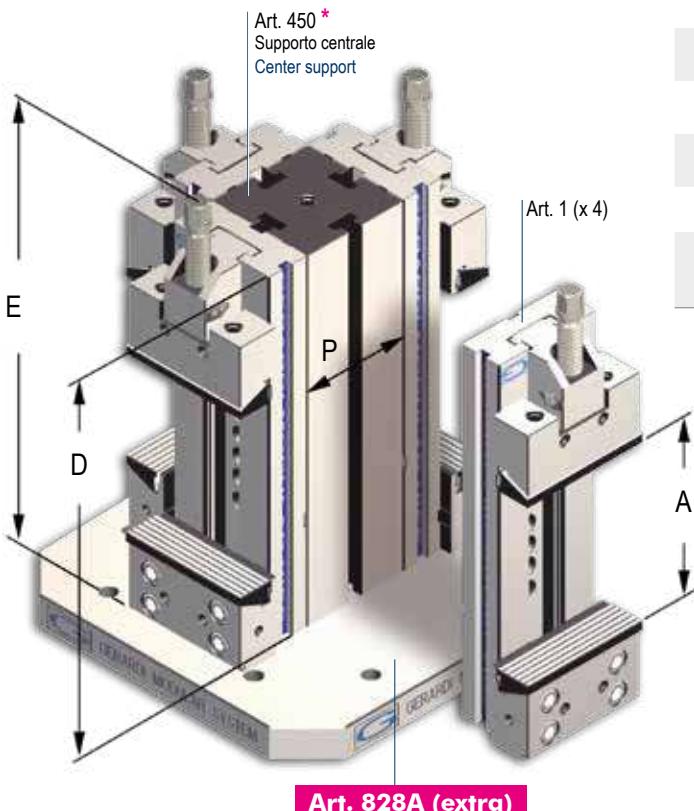
- 4 workstops Art. 370
- 2 pairs of positioning key-nuts for 16 mm slot Art. 297
- 1 box wrench Art. 375
- 1 "T"- wrench Art. 376



Tipo (grandezza) morsa / Vise type (size)		kN	1	16 kN
Apertura massima / Maximum spread		A	100	
		D	270 *	
Art. 750		E	320	
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		P	75 *	
		kg	10	
		Cod.	1.75.01000	

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



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

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

* Altre dimensioni a richiesta / Other dimensions on request

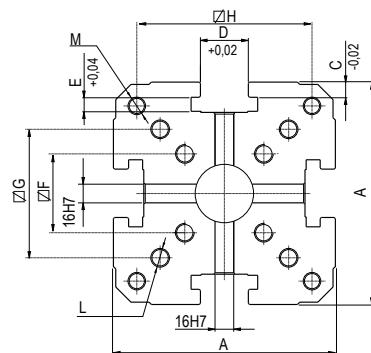
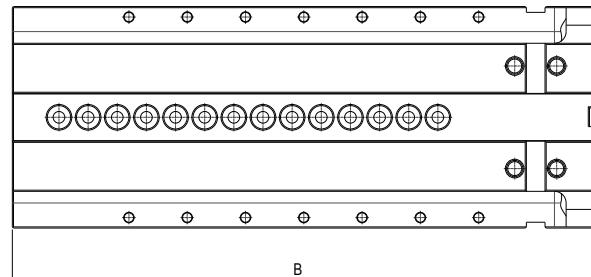
	2 25 kN	3 30 kN		4 30 kN				5 40 kN			6 40 kN		
A	150	200	300	200	300	400	500	200	300	400	300	400	500
D	345 *	420	520	455	555	655	755	495	595	695	635	735	835
E	345	450	550	455			-			-			
P	95 *	125		145			170			195			
kg	19	46		68			98			145			
Cod.	1.75.02000	1.75.03200	1.75.03300	1.75.04200	1.75.04300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

* Altre dimensioni a richiesta / Other dimensions on request



** Montaggio e allineamento ESCLUSI
Mounting and alignment EXCLUDED

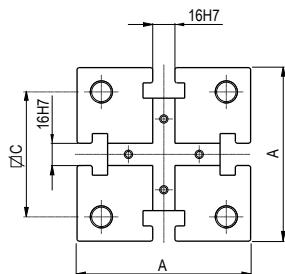
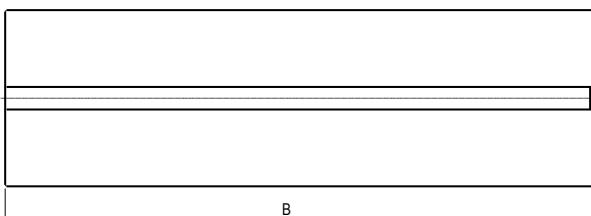


1
Tipo (grandezza) / Type (size)**Art. 701**

Senza alcuna dotazione
Without accessory equipment

Art. 701

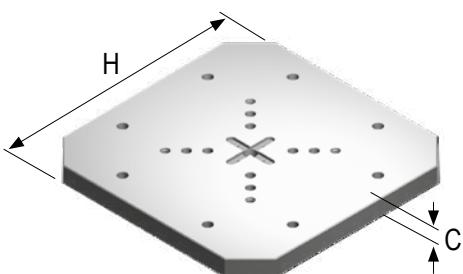
Corpo slittone standard
Body for standard vise tower

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)

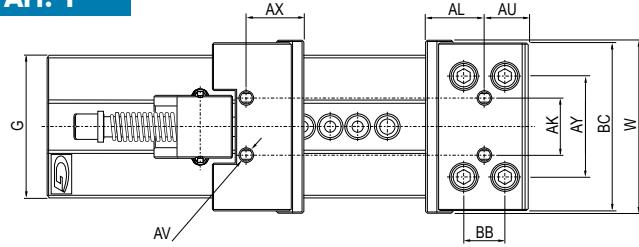
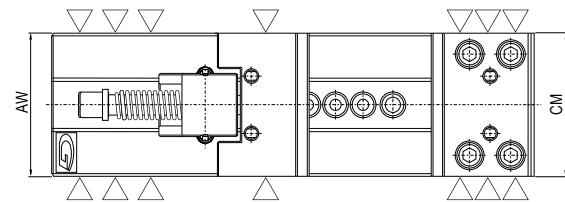
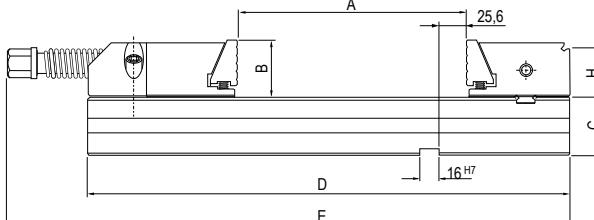
	1	2	3	4				5	6				
A	120	160	190	200				*	*				
B	250	300	350	400	400	500	600	400	500	600	700	*	*
C	10	12	13	15	20	20							
D	21	28	41	51	61	71							
E	10	10	12	18	18	18	18	18	18	18			
F	40	54	70	80	80								
G	70	84	110	134	134								
H	-	120	150	200	210								
L	M12	M16	M16	M20	M20					*			
M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

* A richiesta / On request

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

* A richiesta / On request

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

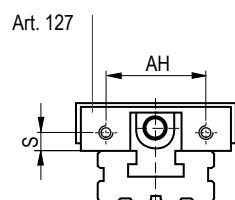
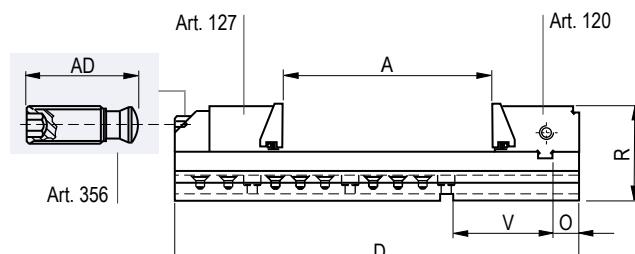
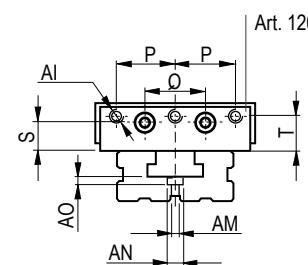
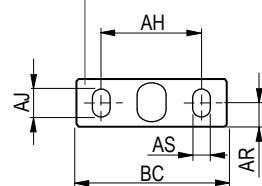
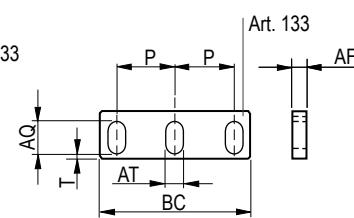
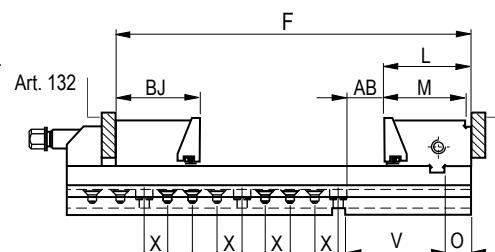
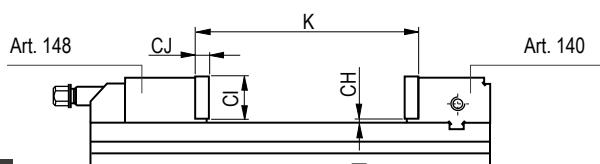
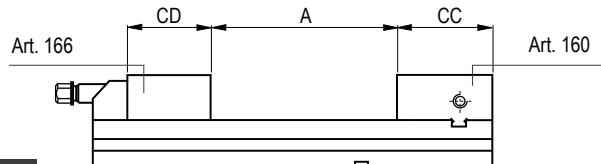
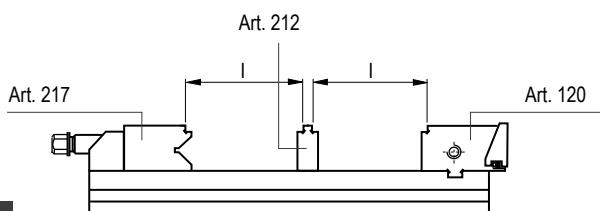
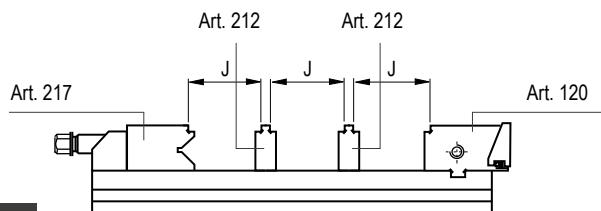
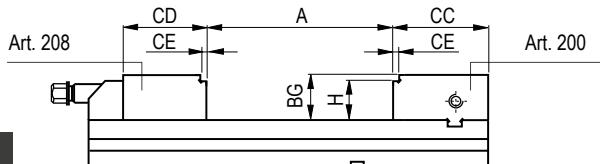
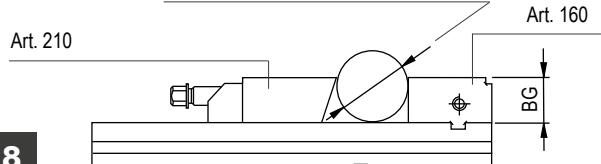
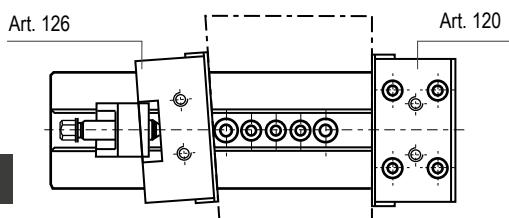
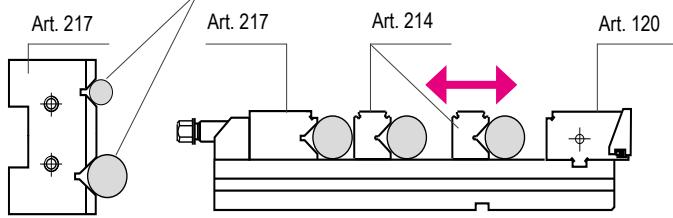
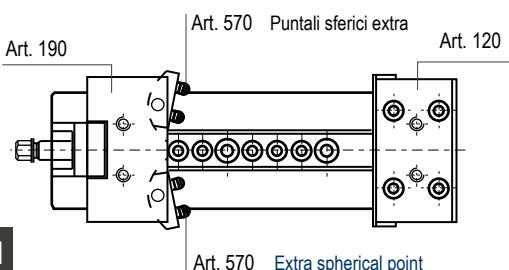
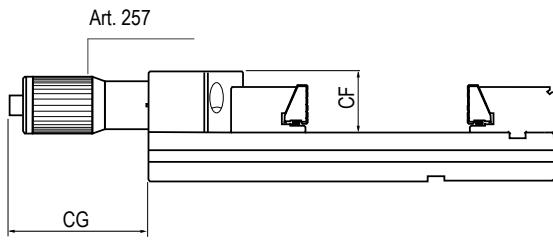
Art. 1

Art. 12

Art. 1 + 12


Tipo (grandezza) morsa / Vise type (size)

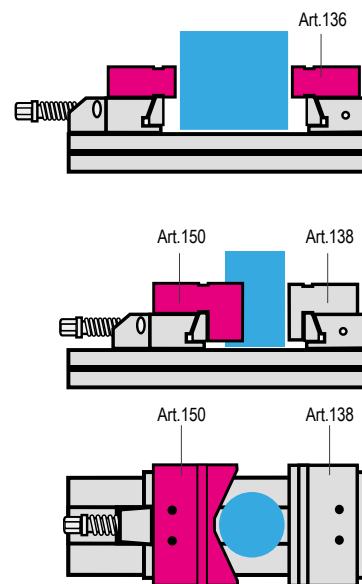
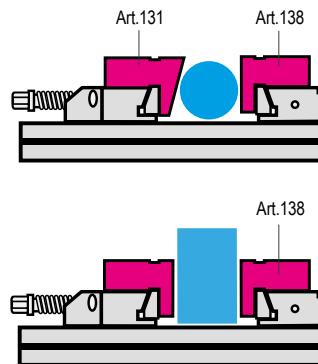
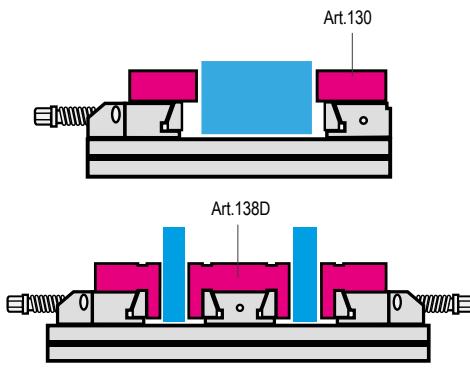
Tabella dimensionale / Table dimension

mm	1	2	3	4				5				6					
W	100	125	150	175						200				300			
A	100	150	200	300	200	300	400	500	200	300	400	500	600	200	300	400	500
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
E	320	425	500	600	530	630	730	830	580	680	780	880	980	630	730	830	930
F	225	285	370	470	385	485	585	685	410	510	610	710	810	440	540	640	740
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
J	34	50	70	104	70	104	137	170	67	107	134	174	200	74	107	140	174
K	124	174	226	326	226	326	426	526	236	336	436	536	636	236	336	436	536

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									


1

Art. 127

1
Art. 132

2

3

4

5

6

7

8

9

10

11

12


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

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

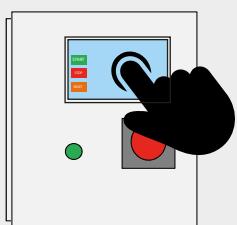
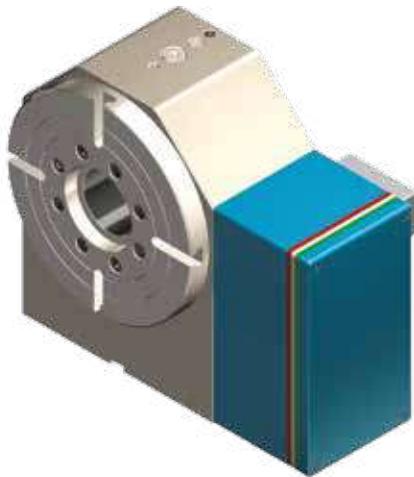
Tipo (grandezza) morsa / Vise type (size)	mm	1	2	3	4	5	6
Art. 130 Temprate o in acciaio lavorabile Hardened or soft	C	32	42	52	62	67	82
	D	84	84	105	130	130	150
	E	80	88	105	110	130	135
	F	57	70	90	110	128	150
	G	110	110	162	171	192,8	190
	I	95	95	123	136	170	206
	BD	32	42	52	62	72	82
Art. 136/137 Temprate o in acciaio lavorabile Hardened or soft	BF	80	84	105	120	128	135
	BY	200	250	300	350	400	600
	P	84	120	120	140	175	206
Art. 138/139 Temprate o in acciaio lavorabile Hardened or soft	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						
	Ø2 min	33	43	49	60	70	
	Ø2 max		100	130	160	180	220
Art. 131/131A Temprate o in acciaio lavorabile Hardened or soft	Art. 150						
	Ø2 min	24,5	32,5	35,5	38,5	51	72,5
	Ø2 max	89	111	244	274	375,5	536
Art. 150/150A Temprate o in acciaio lavorabile Hardened or soft	C						
	Art. 138						
	O1 = Ø max - Ø min	P					
Art. 150	O1						

DIVISORE AUTOMATICO DPG 250

AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

DPG 250



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

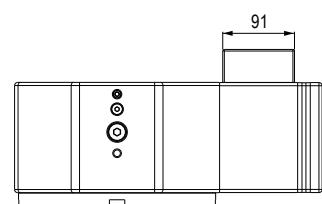
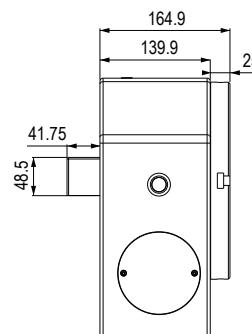
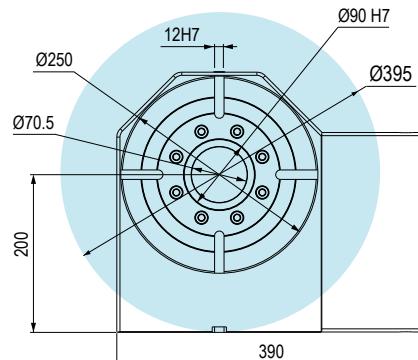
EASY AND INTUITIVE TOUCH SCREEN
PROGRAMMING OR THROUGH DIRECT
CONNECTION TO THE CNC

- 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

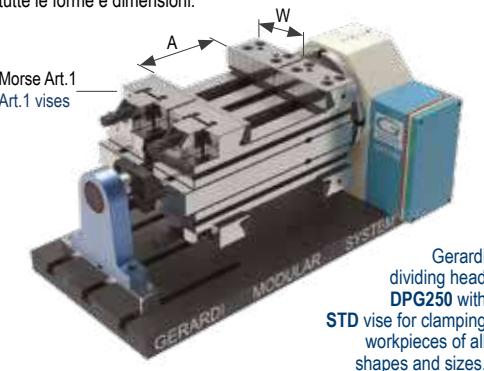
Dati tecnici
Technical Data

Diametro del divisore Dividing head diameter	250 mm						
Diametro del foro passante Clearance hole diameter	70,5 mm						
Altezza punte Center height	200 mm						
Dimensione della scanalatura a T T-Slot width	12 mm						
Sistema di bloccaggio Clamping system	Idraulico 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	<table border="1"> <tr> <td>Verticale Vertical</td> <td></td> <td>Kg.550</td> </tr> <tr> <td>Orizzontale Horizontal</td> <td></td> <td>Kg.1500</td> </tr> </table>	Verticale Vertical		Kg.550	Orizzontale Horizontal		Kg.1500
Verticale Vertical		Kg.550					
Orizzontale Horizontal		Kg.1500					
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head	<table border="1"> <tr> <td></td> <td>N 25000</td> </tr> <tr> <td></td> <td>FxL Nm 1000</td> </tr> <tr> <td></td> <td>FxL Nm 2200</td> </tr> </table>		N 25000		FxL Nm 1000		FxL Nm 2200
	N 25000						
	FxL Nm 1000						
	FxL Nm 2200						
Rapporti vite/corona Speed reduction ratio (screw/gear)	<table border="1"> <tr> <td>Verticale Vertical</td> <td></td> <td>10,5 Kg. m²</td> </tr> </table>	Verticale Vertical		10,5 Kg. m ²			
Verticale Vertical		10,5 Kg. m ²					
Coppia in lavoro Driving torque	<table border="1"> <tr> <td>Corona dentata Worm gear</td> <td></td> <td>698 Nm</td> </tr> </table>	Corona dentata Worm gear		698 Nm			
Corona dentata Worm gear		698 Nm					
Kg	110						
Cod.	8.DPG2500						

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		
Morse Art.1 Art.1 vises	B	28	38	48			58		
	C	35	40	50			58		
	D	270	345	420	520	455	555	655	755
	G	75	95	125			145		
	kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2
	Cod.	1.DP.G25000	1.DP.G25010	1.DP.G25020	1.DP.G25030	1.DP.G25040	1.DP.G25050	1.DP.G25060	1.DP.G25070



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

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.

7.99.A1000

Art. 99B

Perno di centraggio completo
di sistema d'allineamento
Horizontal centering pin with alignment system



Cod.

1.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod.

1.99.H1000

Art. 62K

DPG 250

Piastra di interfaccia per cubo STD
completa di sistema d'allineamento
Connecting plate with alignment systemfor STD



Cod.

1.62.KDPG25

Art. 99T

Sovratavola per divisore
Head-plate for dividing head

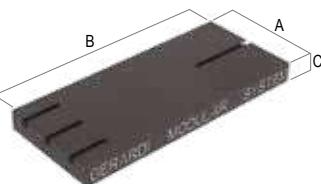


Cod.

1.99.T1000 1.99.T2000 1.99.T3200 1.99.T3300 1.99.T4200 1.99.T4300 1.99.T4400 1.99.T4500

Art. 99S

Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground



Dimensioni B mm
Dimension B mm

A

C

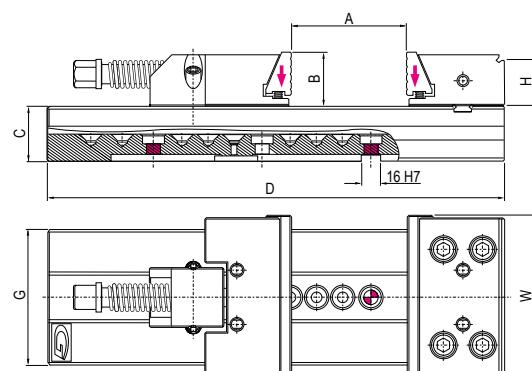
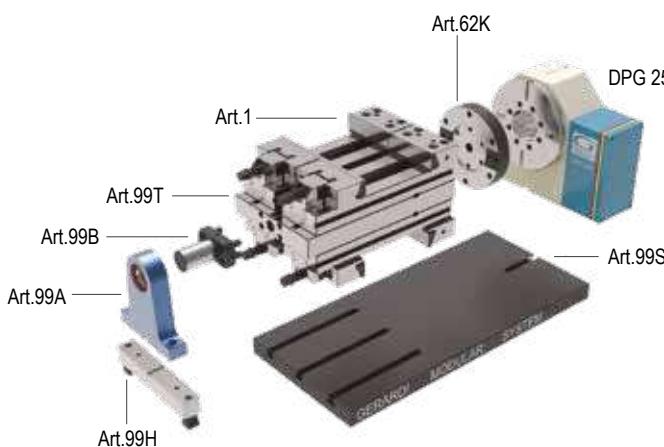
Kg

Cod.

600	400	50	94	7.99.S060S
750	400	50	117	7.99.S075S
900	400	50	141	7.99.S090S
1100	400	50	172	7.99.S110S

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

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



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



DIVISORE MECCANICO DIVIGER 205

MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

DIVIGER 205



Dati tecnici
Technical Data

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

DIVISORE MECCANICO, SENZA CAVI O IDRAULICA,
PER MACCHINE A CNC

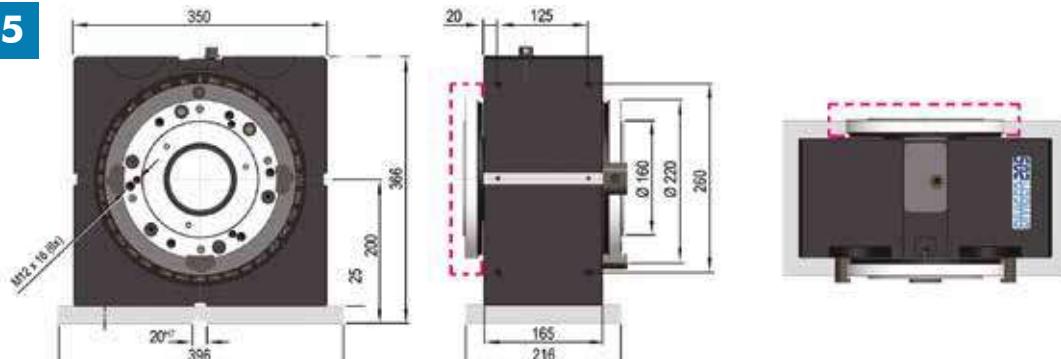
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES
OR HYDRAULIC, FOR CNC MILLING MACHINE

- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta
- Lavorazione a barra grazie al mandrino cavo
- Utilizzabile orizzontalmente o verticalmente
- Cambio tramite serraggio a cuneo

- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due to hollow spindle
- To be used horizontally or vertically
- Quick change through wedge clamping



DIVIGER 205



Tipo (grandezza) / Type (size)	1	2	3	4	
	Double	Double	Double	Double	
Apertura massima / Maximum spread	A	100	150	200	300
DIVIGER 205 con morse STD per il serraggio di particolari di tutte le forme e dimensioni.	W	96	121	146	171
Morse Art.1 Art.1 vises	B	28	38	48	58
	C	35	40	50	58
	D	270	345	420	520
	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

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

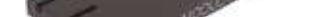
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A		Cod.	7.99.A1000
Supporto Support			

Art. 99B	Cod.	1.99.B1000
Perno di centraggio completo di sistema d'allineamento Horizontal centering pin with alignment system		

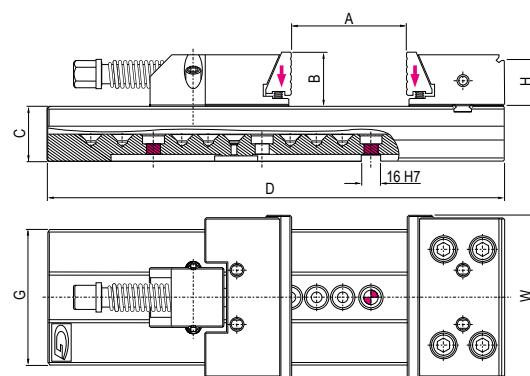
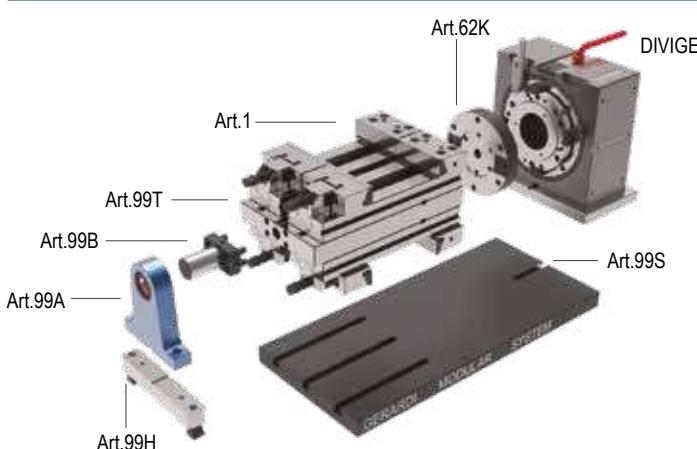
Art. 99H		Cod.	1.99.H1000
Distanziale per supporto Spacer support			

Art. 62K		<hr/>	Cod.	1.62.KDPG25
DIVIGER 205				

Art. 99S	Plastra 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
		750	400	50	117	7.99.S075S
		900	400	50	141	7.99.S090S
		1100	400	50	172	7.99.S110S

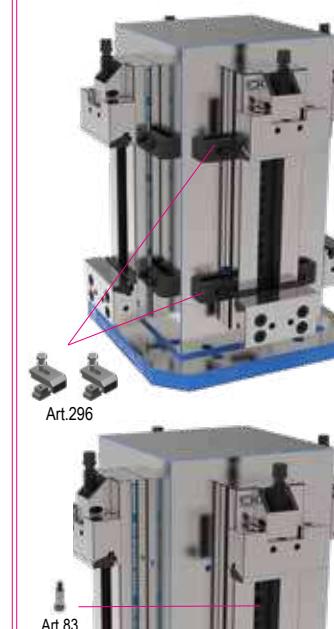
Cave o fori calibrati su richiesta
Slot or calibrated holes on request

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



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

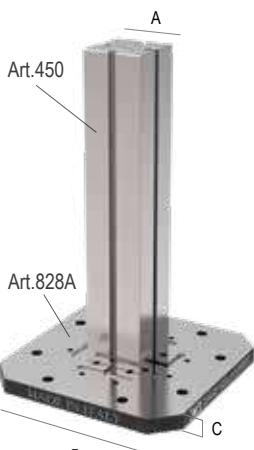
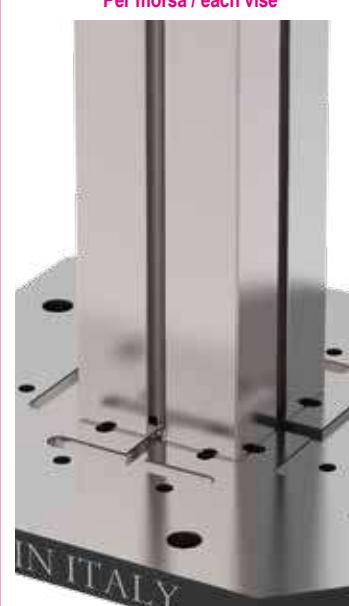
PREDISPOSIZIONE e MONTAGGIO MORSE su CUBI LAVORATI TOMBSTONES SET-UP and VISES MOUNTING on MACHINED TOMBSTONES

Cubo lavoro Art.53C Machined cube Art.53C	Tipo di morsa Vise type	Predisposizione e montaggio* Set-up & Mounting*	Cubo con morsa Cube with vises
<p>Cod. 8.53.C00171 Dim. A=350 / B=500 / H=700</p> 	<p>Art.1 Tipo 4x300</p> 	<p>Per morsa / each vise</p>  <p>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.</p>	 <p>Art.296</p> <p>Art.83</p>

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

Certificato di collaudo
 Certificate test

MONTAGGIO MORSE in VERTICALE su SUPPORTO CENTRALE VISE VERTICAL MOUNTING on CENTRAL SUPPORT

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

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

Certificato di collaudo
 Certificate test

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA

ALIGNMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE



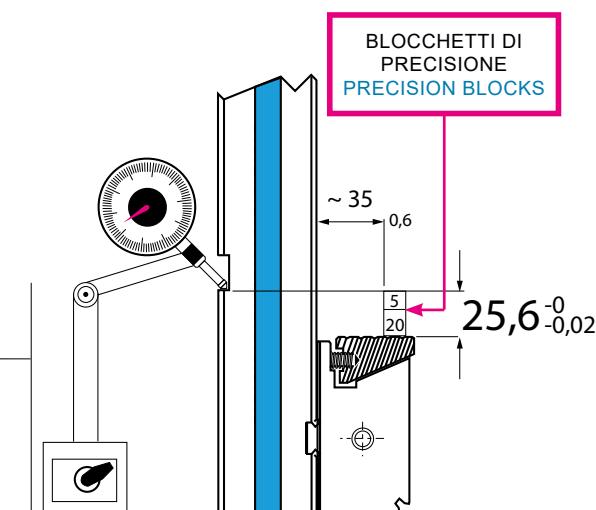
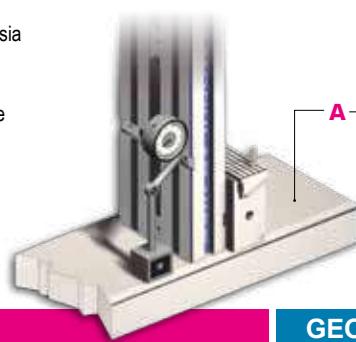
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

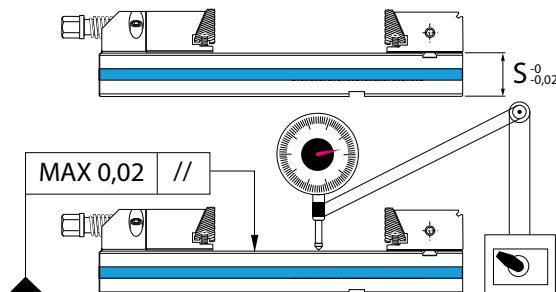
Scan the QR code to download the complete instructions

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.

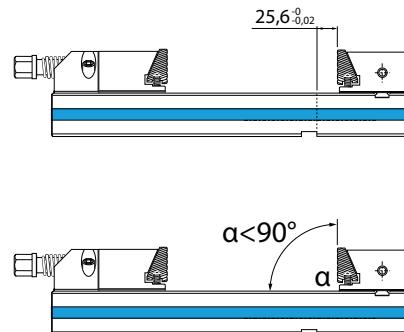
Set the vise vertically ensuring that it is perfectly at parallel to the table **A** in both sides. Then with an indicator check the parallelism of the keyway and its alignment with the fixed jaw plate.



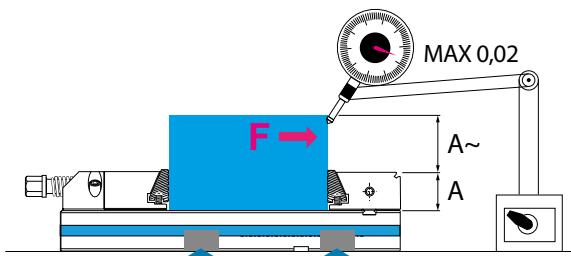
TOLLERANZE GEOMETRICHE



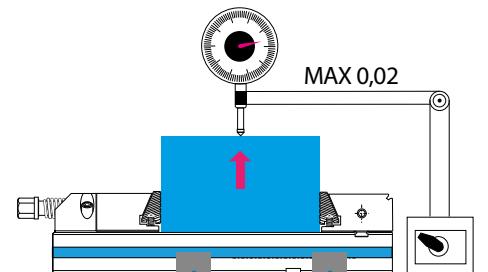
GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE



DYNAMIC ACCURACIES

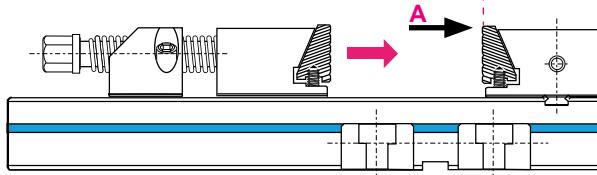


Morsa ancorata con 2 coppie di staffe Art.296 / Vise clamped with n. 2 pairs of Art.296

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

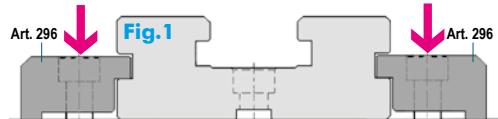
Il sistema consigliato per l'ancoraggio della morsa sulla tavola macchina è tramite STAFFE Art.296. (Fig.1)

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

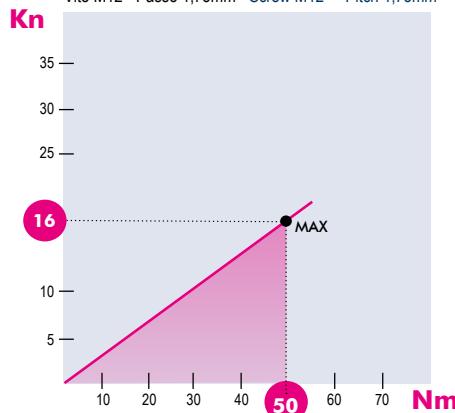
Mechanical clamping diagrams with torque wrench

Art. 1 / 1A / 700

Morse tipo
Vises type

1

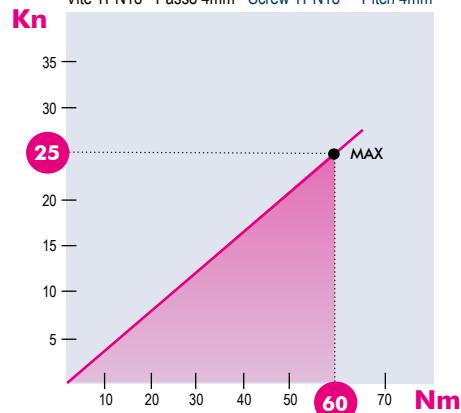
Vite M12 - Passo 1,75mm - Screw M12 - Pitch 1,75mm



Morse tipo
Vises type

2

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



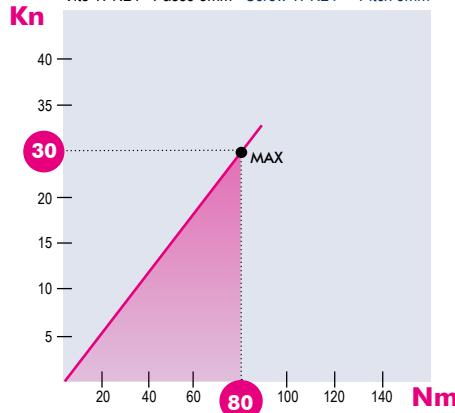
Gruppi di serraggio meccanici (Art. 258 e similari) / Mechanical clamping devices (Art. 258 and similar)

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
Vises type

3-4

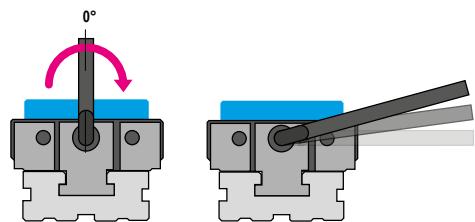
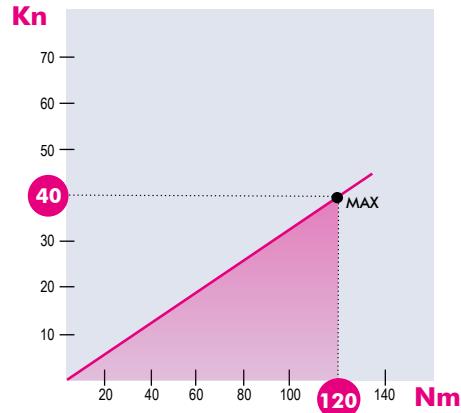
Vite TPN24 - Passo 5mm - Screw TPN24 - Pitch 5mm



Morse tipo
Vises type

5-6

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



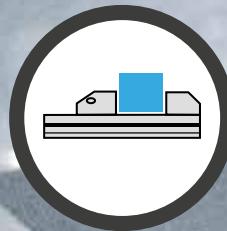
Serrare il pezzo agendo sulla vite di spinta con la chiave in dotazione senza utilizzare tubi o martelli.
Attenzione: nel serraggio basta 1/4 di giro della chiave dal momento in cui la ganascia tocca il particolare.

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 staffoggio, gli attriti ed altro, possono modificare i valori indicati fino a ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico.
Some factors 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
 $\pm 0,005\text{mm}$



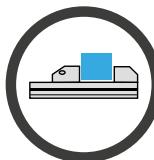
Durezza / Hardened
HRC 60

CARATTERISTICHE & VANTAGGI

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

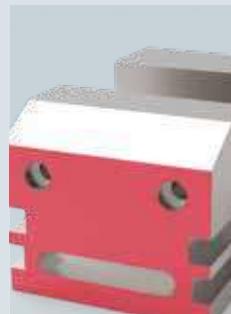
TECHNICAL FEATURES & ADVANTAGES

- ✓ 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 ganascia 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.

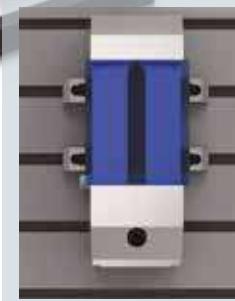
The fixed jaw and the base of the OK vises are built in one solid pieces in order to guarantee higher rigidity & no bendings during the machinings



Guide esterne External Guides

A differenza della guida centrale che consente un importante oscillazione della ganascia, la guida esterna garantisce uno scorrimento più lineare e preciso, garantendo così il parallelismo dei piani delle ganasce 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 morse viene bloccata sulla tavola macchina grazie a due coppie di staffe di fissaggio complete di vite e tassello a "T"

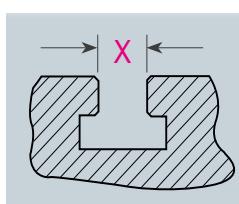
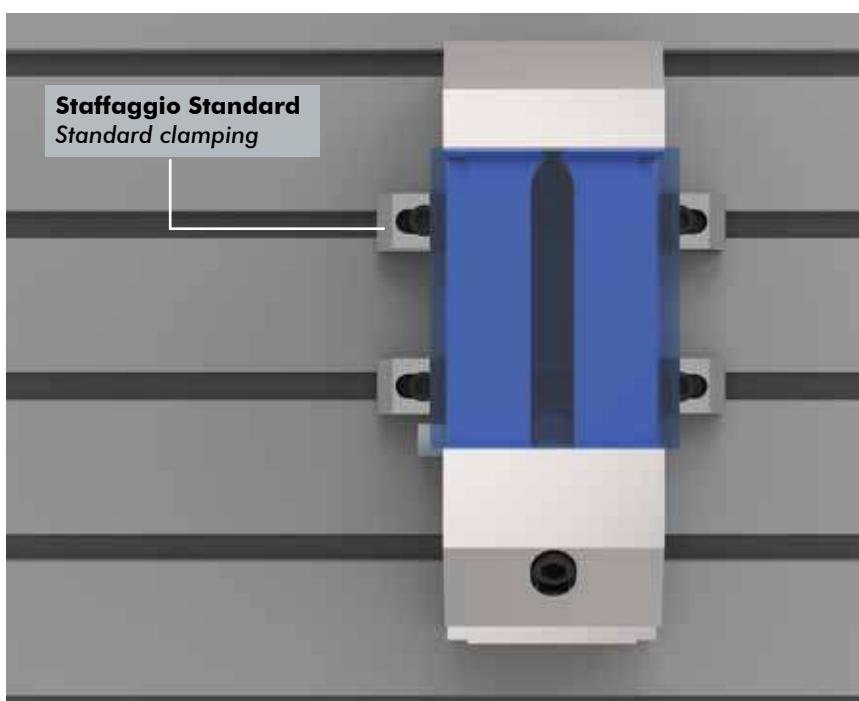
The OK vise is clamped on the machine table by two pair of vise holding clamps complete of screw and "T" nut

Staffe d'ancoraggio / Vise holding clamps

**NEW
2021**

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 cava 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

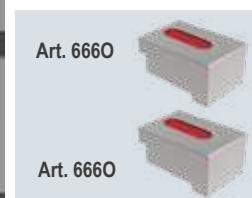
Specificare sempre la cava della vostra macchina

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 copie 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	Tipo (grandezza) Type (size)	T0	T1	T2	T3	T4	T7	T8
Coppia di staffe Holding clamps pair	A	36	50	60,5	60,5	65	65	80
Staffe completamente lavorabile Completely machineable clamp	B	8,5	15,4	19,6	23,4	27,5	37	35
Art. 666O	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
	A							

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

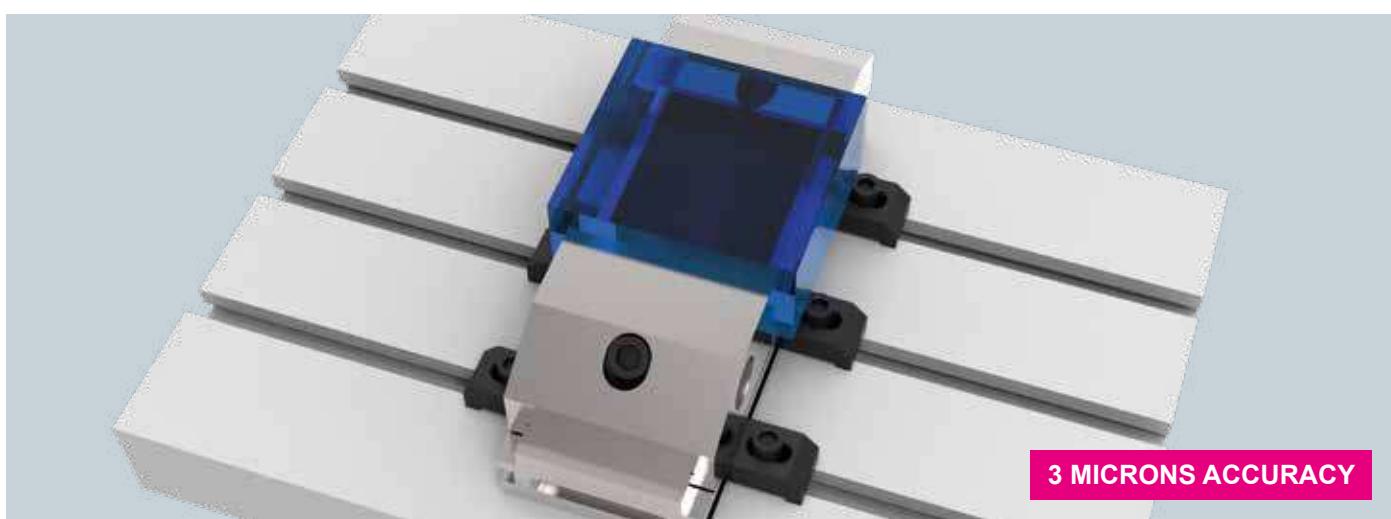
Art. 666S

Morsa serie OK in acciaio INOX Tipo *X39 Cr13 per elettroerosione. Stesse caratteristiche dell'Art. 666

Series OK vises in INOX steel Type *X39 Cr13 for E.D.M. machines. Same features and dimension of the Art. 666

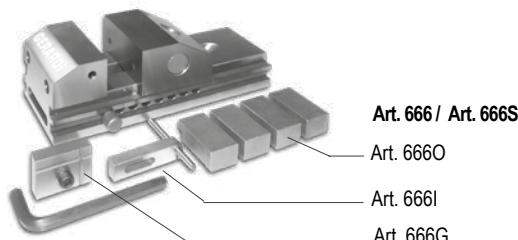
* Acciaio temprato a basso contenuto di ferro (Max resistenza alla corrosione dopo tempra e rettifica)
 Low carbon hardened steel (max resistance against corrosion after hardening process and grinding operations)

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



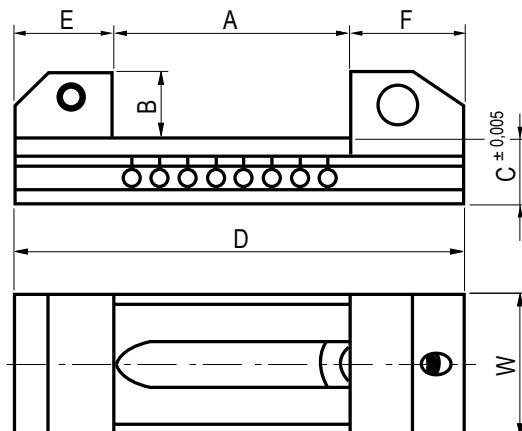
Dotazione standard:

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

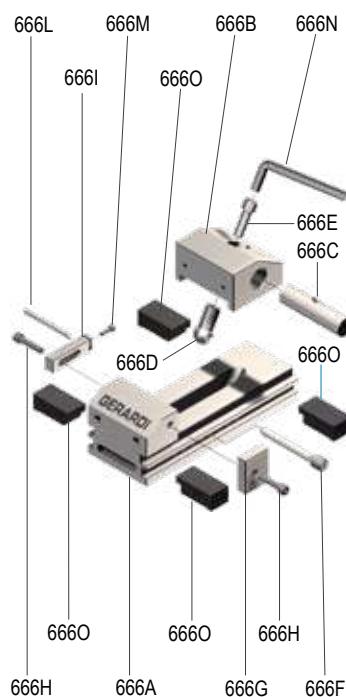


Standard equipment:

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

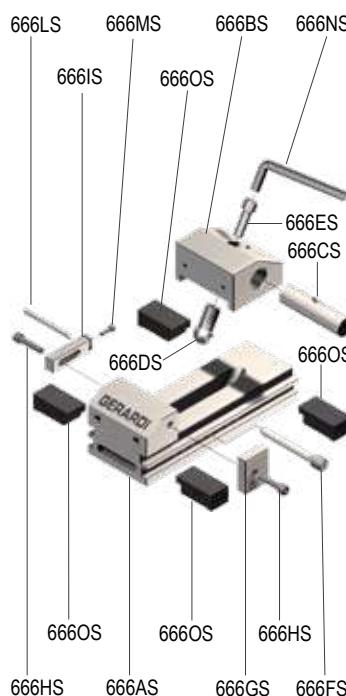


Tipo (grandezza) morsa / Vise type (size)	0	1	2 16 kN	3 16 kN	4 18 kN	5 18 kN	6 18 kN	7 18 kN	8 20 kN
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Parti di ricambio per Art. 666 / Spare parts for Art. 666
Art. 666


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

Tipo (grandezza) morsa / Vise type (size)	0	1	2 16 kN	3 16 kN	4 18 kN	5 18 kN	6 18 kN	7 18 kN	8 20 kN
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Parti di ricambio in acciaio inox per Art. 666S / Spare parts in stainless steel for Art. 666
Art. 666S


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

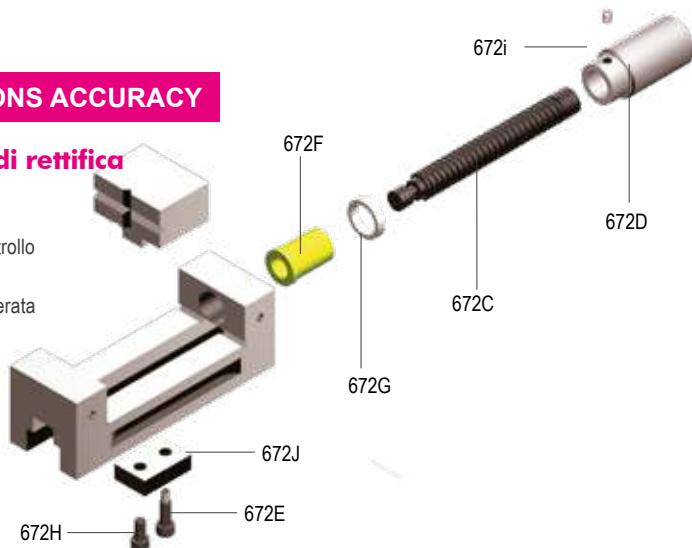
MORSE per RETTIFICA

GRINDING VISES

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

- Particolamente 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 ganascia 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



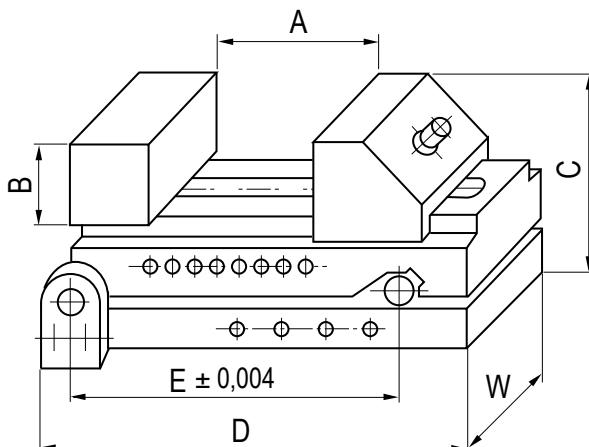
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6	7	
Apertura massima / Maximum spread	A	67	92,8	102	100,6	126,2	160	170
	W	50	62,9	73	80,2	100,1	125	150
	B	25	31	35	40	50	50	50
	C	50	62,8	70	80	95	100	100
	D	150	190,6	205	215,6	260,4	315	350
	E	23	31 / 26,2	28	39,2 / 33,3	38,3 / 38,4	38	40
	F	37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

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

Tipo (grandezza) morsa / Vise type (size)		1	2	3	
Apertura massima / Maximum spread	A	100	120	160	
Art. 667	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



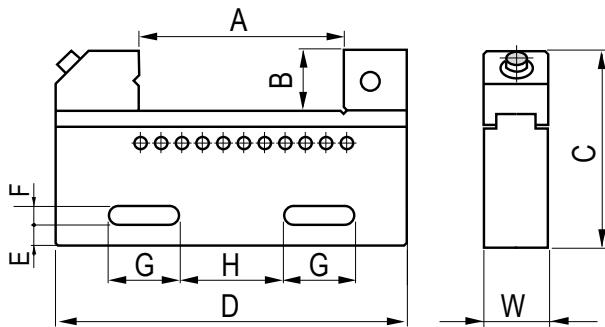
Dotazione standard: 2 chiavi di servizio Art. 376
Standard equipment: 2 wrenches Art. 376



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



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



Diagrammi di serraggio / Clamping diagrams

OK Series

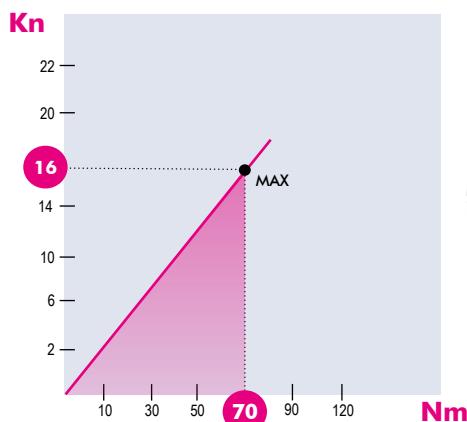
Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Art. 666 / 666S

Morse tipo
Vises type

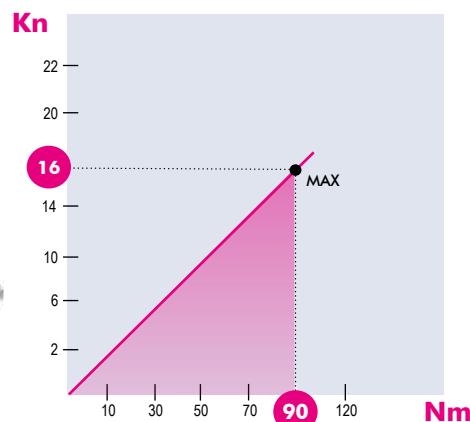
2



Art. 357

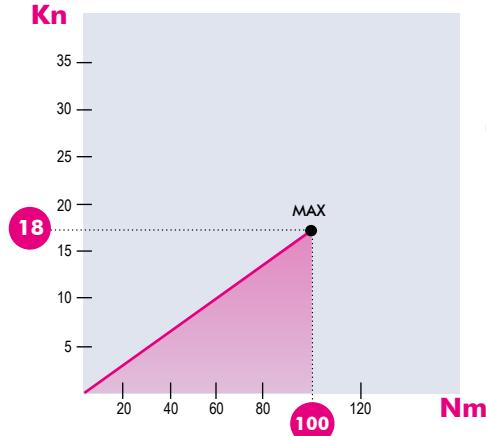
Morse tipo
Vises type

3



Morse tipo
Vises type

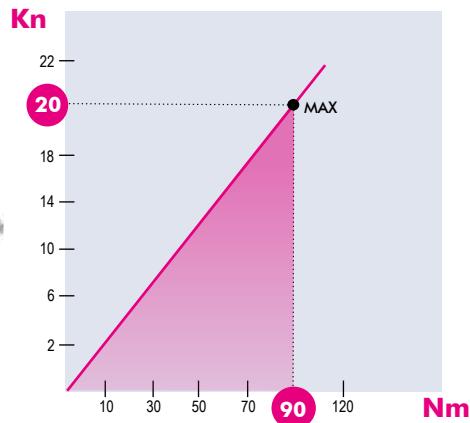
4-5-6-7



Art. 357

Morse tipo
Vises type

8



NB: Alcuni fattori, come la lubrificazione, lo staffoggio, 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 factors such 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.