

*The perfect mix!
Price, Quality, Versatility*

STD - StandardFLEX - OK

Morse e Cubi / Vises & Vise Towers

Morse e Cubi / Vises & Vise Towers

STANDARD

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 (blocchi 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.



Precisione / Accuracy
±0,02mm



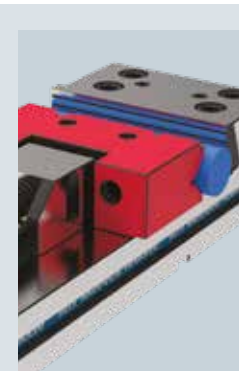
Durezza / Hardened
HRC 58±2



Ganascia monoblocco Solid guided jaw

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

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



Ganascia prismatica Prismatic jaw

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

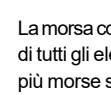
The prismatic jaw Art.217 allows the clamping and machining of vertical and horizontal round workpieces or to clamp rised workpieces for drilled through on the step.



Fori filettati per sovraganascia Threaded holes for stack type jaw

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

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



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

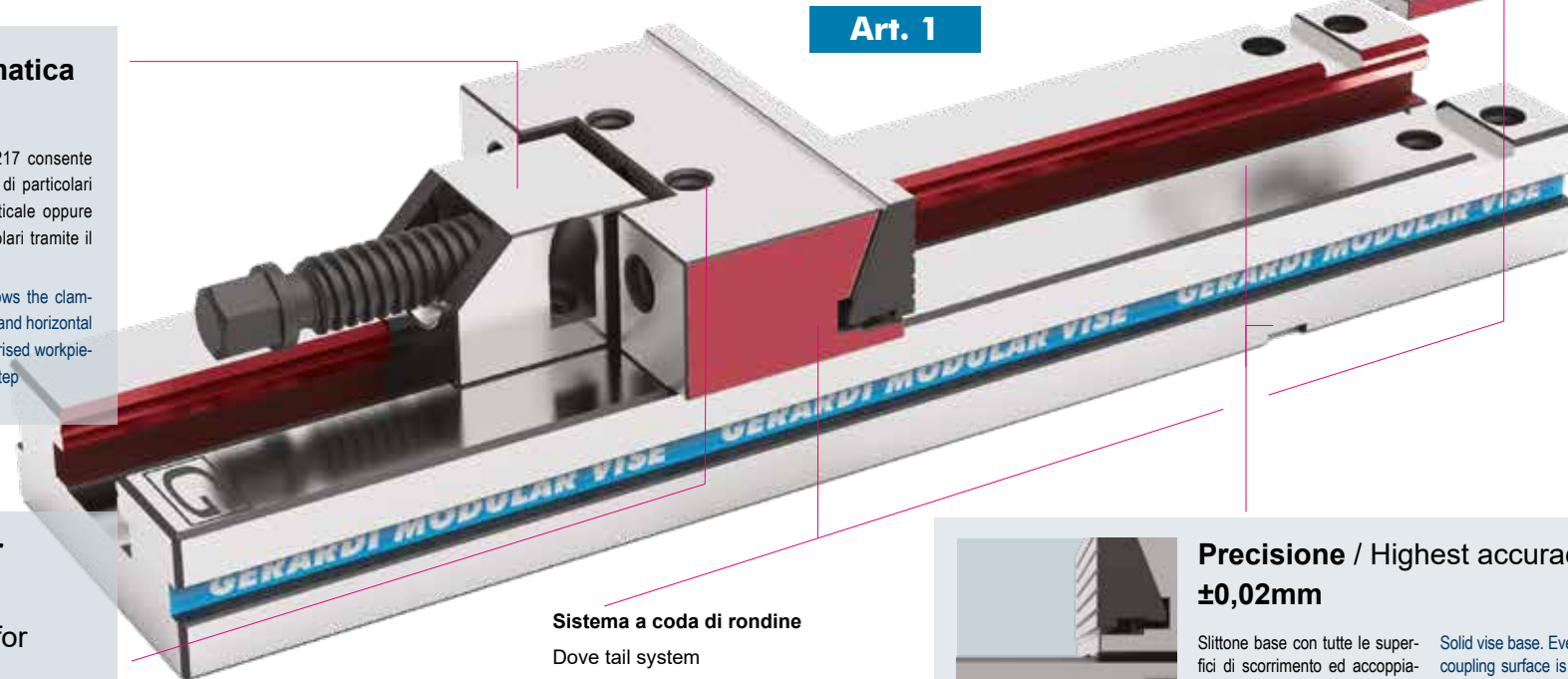
All GERARDI vises and accessories are modular and components of all our vises will interchange with perfect alignment. The vises can be matched side to side with the highest precision and minimum of set up times thanks to many fixed reference points. All this is possible thanks to the high precision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



Versatility / Versatility

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

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



Art. 1



Sistema a coda di rondine Dove tail system

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

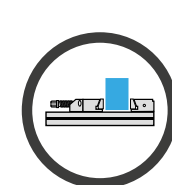
By taking off the jaw plates, it is possible to exploit the body inclination of 15° to clamp the workpiece and pre-machine the lower surface thus obtaining an irreversible dovetail system.



Precisione / Highest accuracies ±0,02mm

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

Solid vise base. Every sliding and coupling surface is ground. Centesimal tolerances are guaranteed by checking cycles with CNC measuring machine. The perfect alignment with the machine axis is given by longitudinal and cross keyways (16H7) or positioning holes (Ø16mm F7), upon specific request, on the vise base. Of course this allows minimum of set up times and gang operations.



SCAN IT TO WATCH THE
VIDEO PRESENTATION



*Il trinomio perfetto!
Convenienza, Qualità, Versatilità*

*The perfect mix!
Price, Quality, Versatility*

Staffe d'ancoraggio / Vise holding clamps

NEW
2023

Standard / StandardFLEX

Coppia staffe di fissaggio Art.296, complete di vite e dado a "T"
Pair of vise holding clamps Art.296 complete of screw and "T" nuts

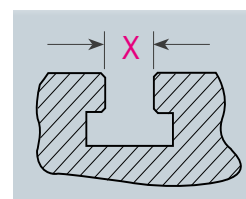
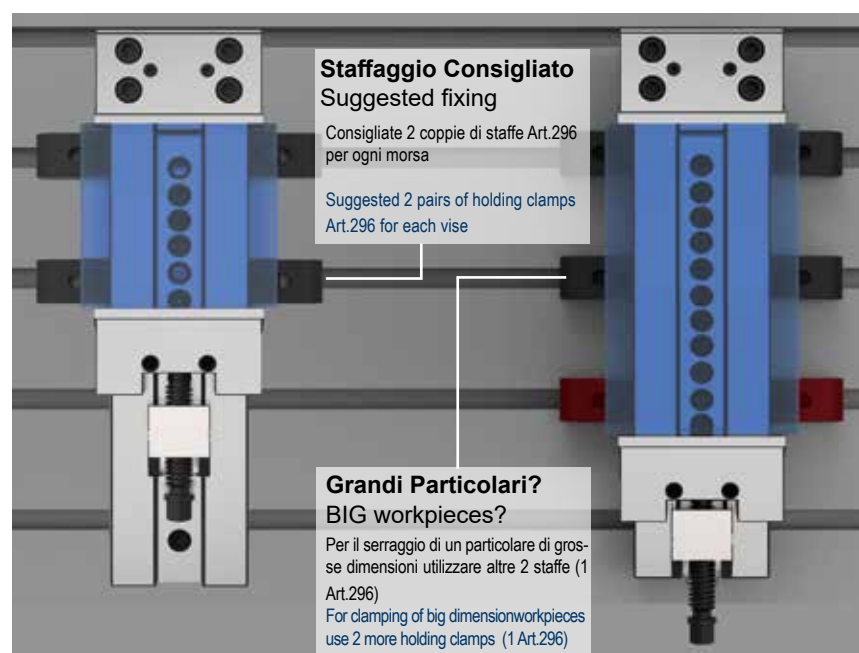


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: **Art.296 T.3 X=18mm**

Oppure con codice: **2.29.6300 X=18mm**

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

Also with code: **2.29.6300 X=18mm**

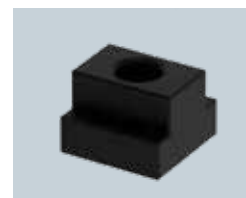


Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

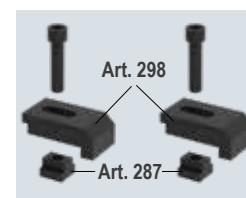


Art.287 (Pag.4.34)

Dadi a T - T Nuts

Per fissaggio morse alle cave a T della macchina

For vise clamping on the machine T-slots

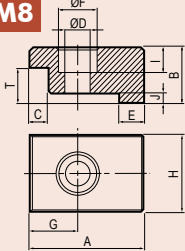
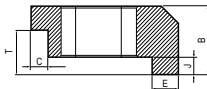
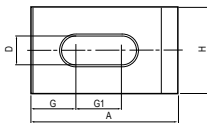


Art.296

(Art.298 + Art.287)

Consigliate 2 coppie di staffe Art.296 per ogni morsa

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

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

* Scelta consigliata - Suggested choice

* Scelta NON consigliata - NO Suggested choice

Soluzioni personalizzate / Customized solutions

Standard / StandardFLEX

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



Morse StandardMatic

StandardMatic vises

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

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



Modularità & versatilità

Modularity & versatility

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

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



Morse modulari di precisione

Precision modular vises

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

Precision modular vises aligned for rather big workpiece clamping



Ganasce monoblocco guidate

Solid Guided jaws

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

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



Usura inesistente

No wear

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

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

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

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AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313 Parallele magnetiche Magnetic parallel plates		Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
		H	23	33	43	53

Art. 212 Ganascia mobile intermedia (da usare con Art. 313) Intermediate movable jaw (to be used with Art. 313)		Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
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Art. 217 Ganascia mobile prismatica Prismatic movable jaw		Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000
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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
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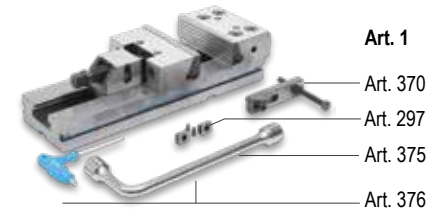
Art. 1E Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto NEW 2023		Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
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MORSE StandardMatic

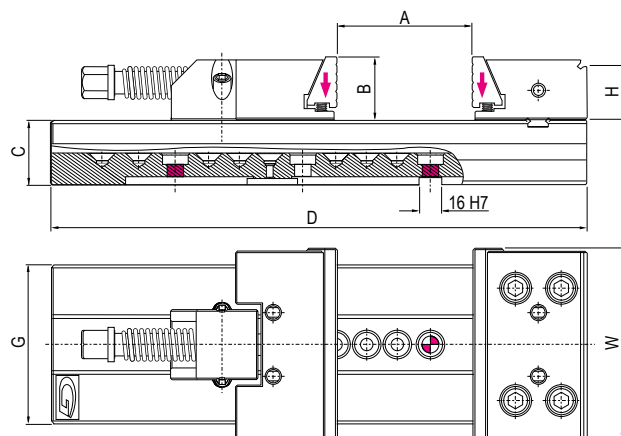
Art.1 - Art.258 + Art.271 = Art.1E

CENTRALINA POWER UNIT (EXTRA)

- Dotazione standard:
- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375
 - 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7)
- Extra per ogni chiave a (tolleranza H7)



- Standard equipment:
- 1 workshop Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375
 - 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance)
- Extra charge for each calibrated key nut (F7 tolerance)



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

	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 !

Art. 313		4.31.3500C	4.31.3600C
		53	68

Art. 212		1.21.25000	1.21.26000
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Art. 217		2.21.75000	2.21.76000
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Art. 242G		1.24.2G500	1.24.2G600
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		Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
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StandardMatic VISES

NEW 2023

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

Art. 1

Art. 370

Art. 120

Art. 258

Art. 127

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

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Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

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Art. 40

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Art. 230

Art. 362

Art. 306

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Art. 361

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Art. 300

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Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

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Art. 375

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Art. 300

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Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

Art. 375

Art. 360

Art. 282

Art. 361

Art. 410

Art. 376

Art. 380

Art. 381

Art. 300

Art. 230

Art. 362

Art. 40

Art. 297

Art. 230

Art. 362

Art. 306

Art. 382

Art. 376

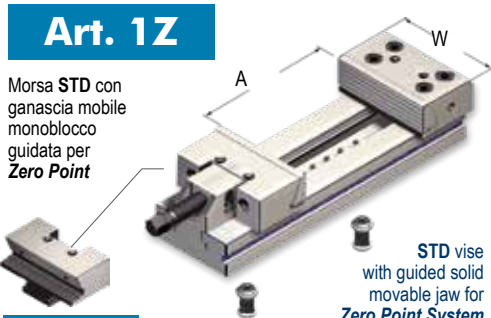
Art. 375

Art. 360

Art. 282

Art. 361

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



AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

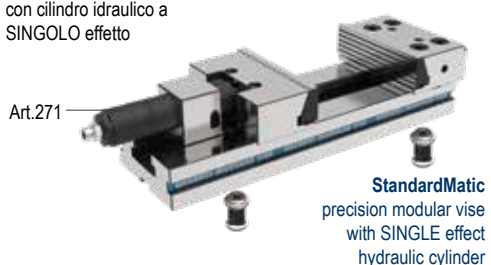
Art. 313	Parallele magnetiche Magnetic parallel plates	Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
		H	23	33	43	53

Art. 212	Ganascia mobile intermedia (da usare con Art. 313) Intermediate movable jaw (to be used with Art. 313)	Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
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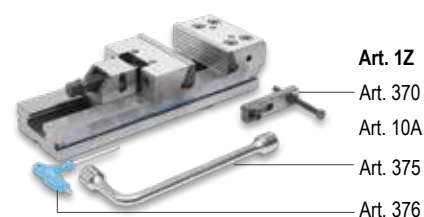
Art. 217	Ganascia mobile prismatica Prismatic movable jaw	Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000
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Art. 242G	Piastra ganascia con inserti GRIP completa di parallela magnetica Jaw plate with GRIP inserts with magnetic parallel	Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400
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Art. 1ZE
Morsa modulare StandardMatic
con cilindro idraulico a SINGOLO effetto
NEW 2023



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



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

* Per morsa Tipo 1 sedi per tiranti 10A (tipo1) con interasse dei fori 150mm - Quote interassi tiranti ZZ a pag.1.24
For Vise T.1 - 10A pull studs positioning holes (T.1) with 150mm pitch - See on pag. 1.24 for pull studs pitches ZZ

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

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

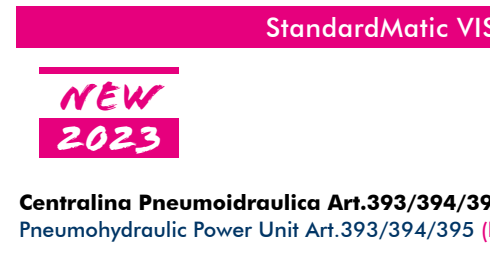
Art. 313	Parallele magnetiche Magnetic parallel plates	Cod.	4.31.3500C	4.31.3600C
		H	53	68

Art. 212	Ganascia mobile intermedia (da usare con Art. 313) Intermediate movable jaw (to be used with Art. 313)	Cod.	1.21.25000	1.21.26000
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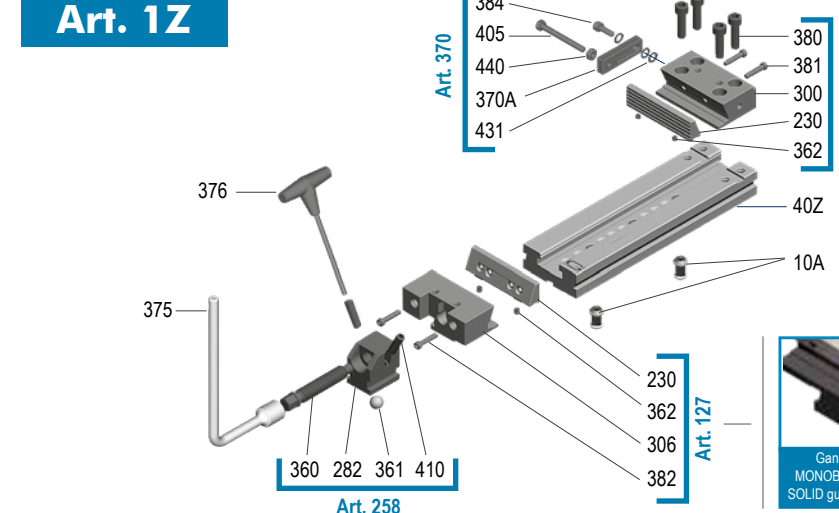
Art. 217	Ganascia mobile prismatica Prismatic movable jaw	Cod.	2.21.75000	2.21.76000
-----------------	---	------	------------	------------

Art. 242G	Piastra ganascia con inserti GRIP completa di parallela magnetica Jaw plate with GRIP inserts with magnetic parallel	Cod.	1.24.2G500	1.24.2G600
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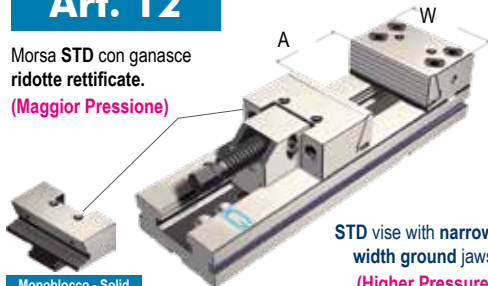
StandardMatic VISES
NEW 2023



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 16 kN	2 25 kN	3 30 kN	4 30 kN				
Apertura massima / Maximum spread		A	100	150	200	300	200	300	400	500
Art. 12 Morsa STD con ganasce ridotte rettificate. (Maggior Pressione)  STD vise with narrow width ground jaws (Higher Pressure)	W	75	95	125		145				
	B	30	40	50		60				
	C	35	40	50		58				
	D	270	345	420	520	455	555	655	755	
	G	75	95	125		145				
	kg	6.2	11.9	24.2	27.8	35	39	46	51	
	Cod.	3.01.00120	3.02.10120	3.03.20120	3.03.30120	3.04.20120	3.04.30120	3.04.40120	3.04.50120	

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

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

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

Art. 218 Ganascia mobile prismatica Prismatic movable jaw	Cod.		2.21.81000	2.21.82000	2.21.83000	2.21.84000

Art. 243G Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica Narrow width jaw plate with GRIP inserts with magnetic parallel	Cod.		1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400

Art. 12E Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto NEW 2023	Cod.		Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

Art. 271

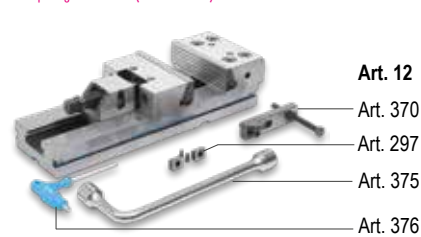
StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

MORSE StandardMatic

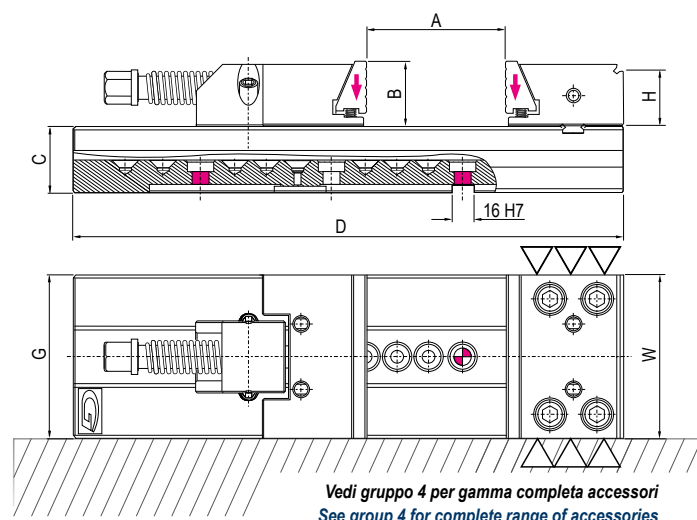
Art. 12 - Art. 258 + Art. 271 = Art. 12E

CENTRALINA POWER UNIT (EXTRA)

- Dotazione standard:
- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375
 - 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7)
- Extra per ogni chiave (tolleranza H7)



- Standard equipment:
- 1 workshop Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375
 - 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance)
- Extra charge for each calibrated key nut (F7 tolerance)



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

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 313R	4.31.3R50C		4.31.3R60C	
	53		68	

Art. 213	1.21.35000		1.21.36000	

Art. 218	2.21.85000		2.21.86000	

Art. 243G	1.24.3G500		1.24.3G600	

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

StandardMatic VISES

NEW 2023

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

Art. 12

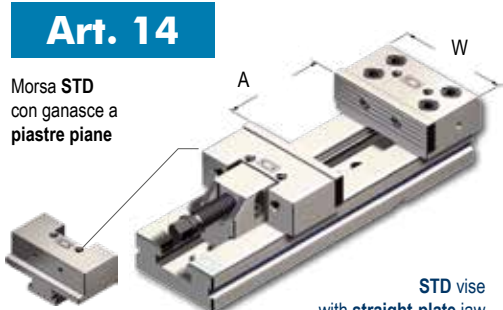
Diagram showing the assembly of the Morse StandardMatic vise with various accessories like Art. 370, Art. 297, Art. 375, Art. 376, Art. 380, Art. 381, Art. 301, Art. 231, Art. 362, Art. 40, Art. 297, Art. 231, Art. 362, Art. 307, Art. 382, Art. 360, Art. 282, Art. 361, Art. 410, Art. 258.

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

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

Art. 14

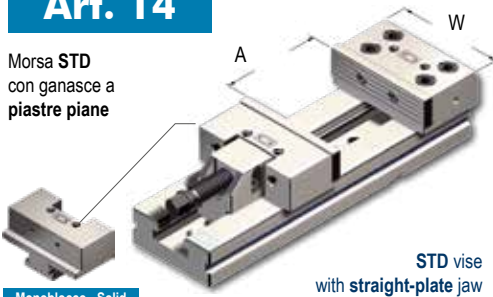
Morsa **STD** con ganasce a piastre piane



STD vise with straight-plate jaw

Art. 14

Morsa STD
con ganasce a
piastre piane



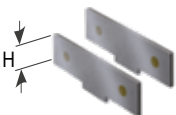
STD vise
with straight-plate jaw

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
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Art. 246

Piastra piana in acciaio lavorabile
Machinable steel straight jaw plate



Cod.	1.65.16200	1.65.26200	1.65.36200	1.65.46200
------	------------	------------	------------	------------

Art. 246G

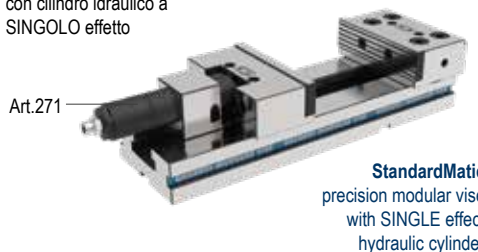
Piastra ganascia con inserti GRIP
completa di parallela magnetica
Jaw plate with GRIP inserts with magnetic parallel



Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400
------	------------	------------	------------	------------

Art. 14E

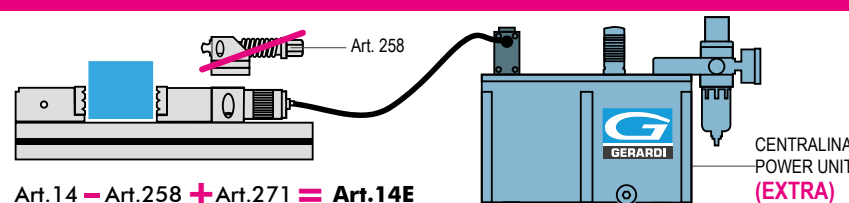
Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto



StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

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



Art. 14 - Art. 258 + Art. 271 = Art. 14E

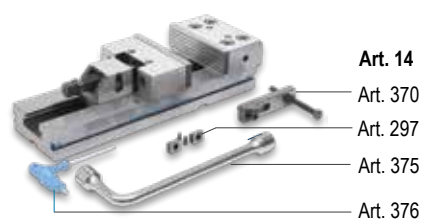
CENTRALINA
POWER UNIT
(EXTRA)

Dotazione standard:

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

Extra per ogni foro calibrato (tolleranza F7)

Extra per ogni chiave (tolleranza H7)

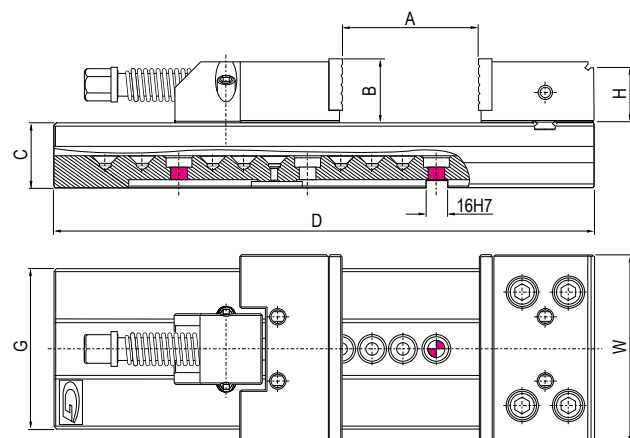


Standard equipment:

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

Extra charge for each calibrated hole (F7 tolerance)

Extra charge for each calibrated key nut (F7 tolerance)



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

	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 !

Art. 313	4.31.3500C	4.31.3600C
53		68

Art. 212	1.21.25000	1.21.26000
----------	------------	------------

Art. 246	1.65.56200	1.65.66200
----------	------------	------------

Art. 246G	1.24.6G500	1.24.6G600
-----------	------------	------------

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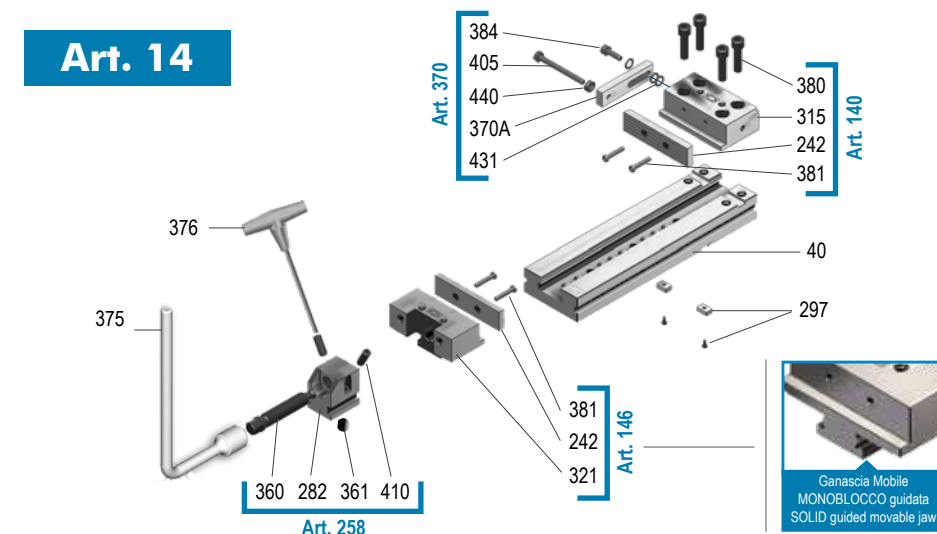
StandardMatic VISES

**NEW
2023**

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)		1 kN	2 16 kN	25 kN	3 30 kN	4 30 kN				
Apertura massima / Maximum spread		A	100	150	200	300	200	300	400	500
Art. 15 Morsa STD con piastre ganasce GRIP a forte serraggio, (ridotte rettificate)	W	75	95	125	145					
	B	30	40	50	60					
	C	35	40	50	58					
	D	270	345	420	520	455	555	655	755	
	G	75	95	125	145					
kg		6.2	11.9	24.2	27.8	35	39	46	51	
Cod.		1.15.10000	1.15.20000	1.15.32000	1.15.33000	1.15.42000	1.15.43000	1.15.44000	1.15.45000	
Monoblocco - Solid										

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

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

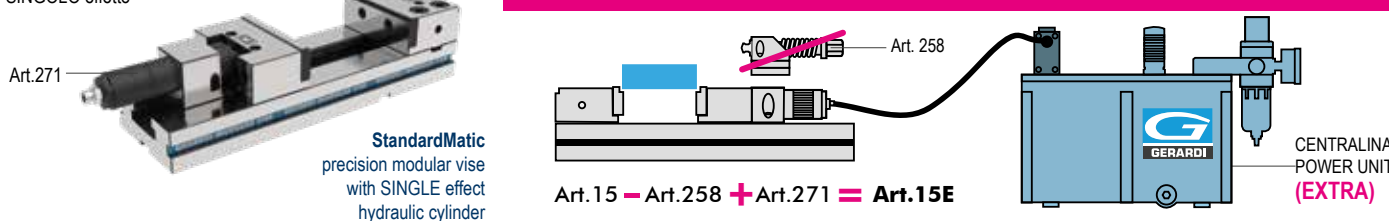
Art. 247 Piastra piana ridotta in acciaio lavorabile Machinable steel narrow width straight jaw plate	Cod.	1.65.17200	1.65.27200	1.65.37200	1.65.47200

Art. 218 Ganascia mobile prismatica Prismatic movable jaw	Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000

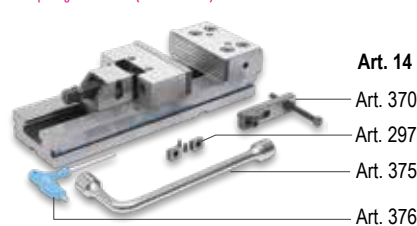
Art. 247G Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica Narrow width jaw plate with GRIP inserts with magnetic parallel	Cod.	1.24.7G100	1.24.7G200	1.24.7G300	1.24.7G400

Art. 15E Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto NEW 2023	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

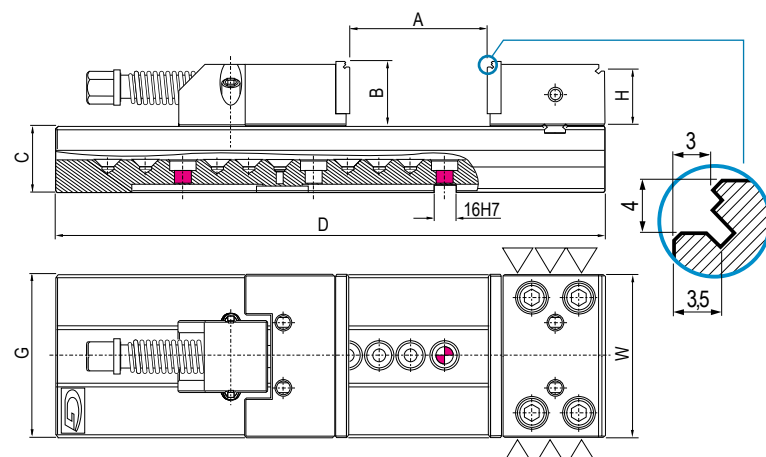
MORSE StandardMatic



- Dotazione standard:
- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm slot Art. 297
 - 1 chiave a pipa Art. 375
 - 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7)
- Extra per ogni chiave (tolleranza H7)



- Standard equipment:
- 1 workshop Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375
 - 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance)
- Extra charge for each calibrated key nut (F7 tolerance)



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

		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 !

Art. 313R	4.31.3R50C	4.31.3R60C
	53	68

Art. 247	1.65.57200	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

NEW 2023

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



Art. 15		Art.	Pag.	Art.	Pag.
Art. 15		384	1.24	380	4.28
		405	4.11	381	4.28
		440	4.36	384	4.28
		370A	4.34	405	4.35
		431	4.30	410	4.36
			4.30	431	4.28
			4.36	440	4.28
			4.36	-	-
			4.35	-	-
			4.35	-	-
Art. 14		360	4.35	-	-
		282	4.35	-	-
		361	4.35	-	-
		410	4.35	-	-

Morse e Cubi / Vises & Vise Towers

StandardFLEX

La morsa più evoluta!
The most recent vise!

CARATTERISTICHE & VANTAGGI

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

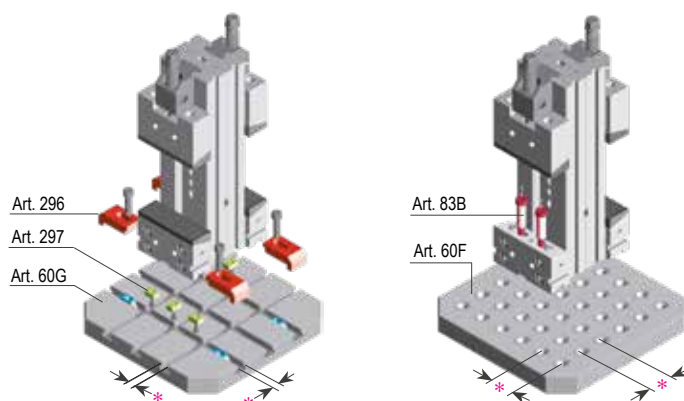
Si rimanda a quanto esposto a pag. 1.4 e 1.5

TECHNICAL FEATURES & ADVANTAGES

ES

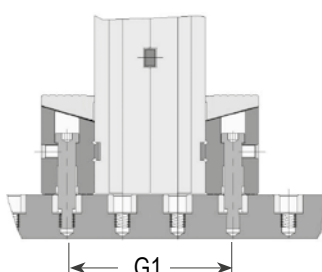
- ✓ NO WEAR
- ✓ QUICK CLAMPING
- ✓ MODULARITY & VERSATILITY
- ✓ HIGHEST ACCURACIES $\pm 0,02$ mm
- ✓ RIGIDITY & SAFETY
- ✓ SPACE SAVING DESIGN & HANDY

See pag. 1.4 and 1.5 (STANDARD series vises)



* Cava / T slot = 16 mm
Ancoraggio e posizionamento con staffe e chavette
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	

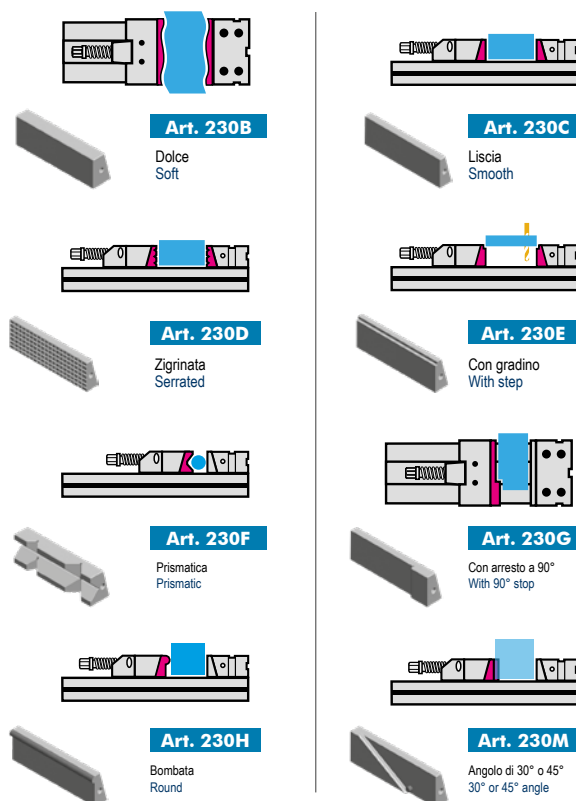


Portapiastre / The Rack

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



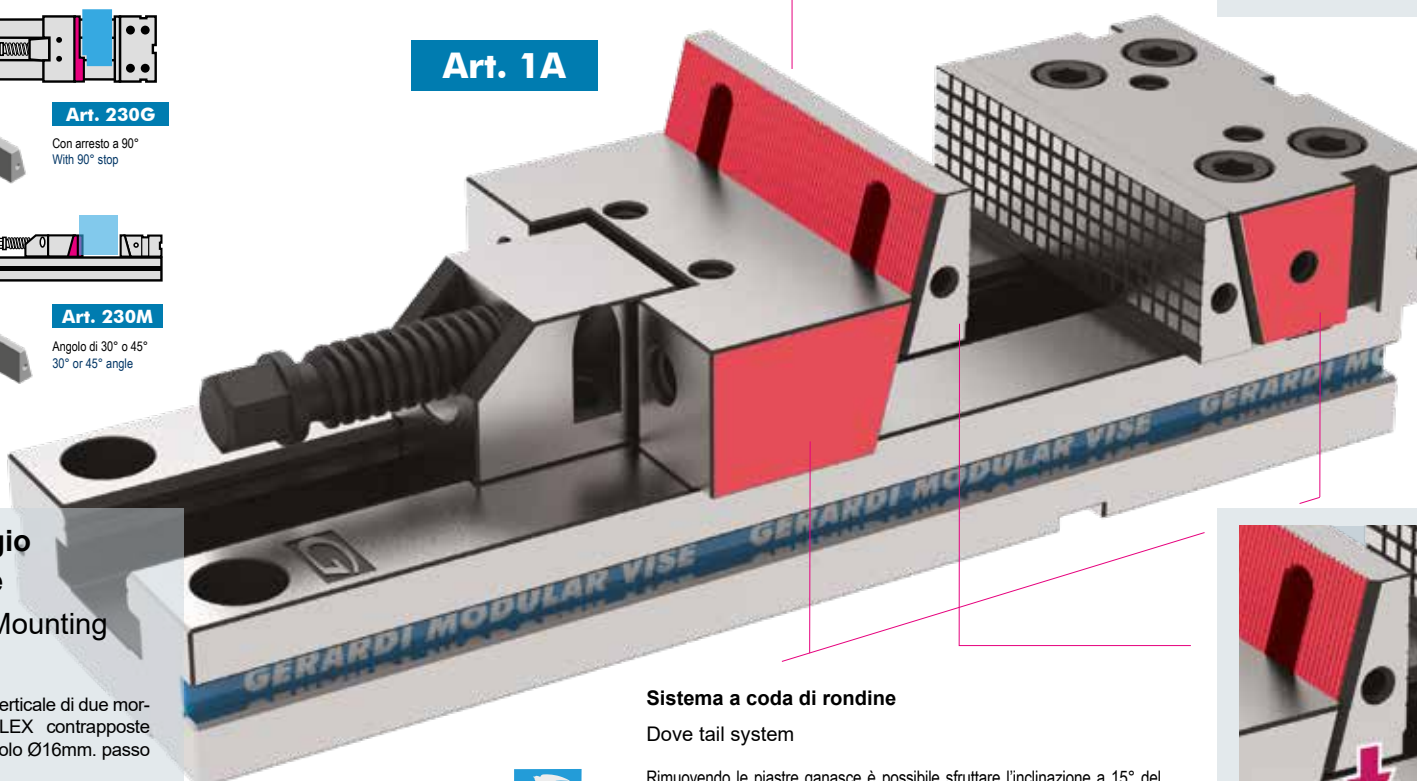
Le morse GERARDI della serie Standardflex sono un'evoluzione della morsa Standard. La loro caratteristica principale è la sostituzione rapida delle piastre ganasce che avviene manualmente e senza l'ausilio di alcun utensile, questo è possibile grazie al sistema Perno-molla, che consente un diverso utilizzo della morsa in tempi ridottissimi. Grazie al sistema a Pettine di rigatura prismatica delle piastre ganasce, risulta migliorato anche l'effetto discendente che durante la fase di serraggio, trascina il pezzo contro lo slittone garantendo anche una notevolissima precisione di riposizionamento.

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

Riconfigurazione Rapidissima Quickest Vise Resetting

grazie alla piastra ganasce intercambiabile manualmente tramite sistema a pettine
Thanks to the quick interchangeable jaw plate through ground comb system

Art. 1A



Montaggio Verticale Vertical Mounting

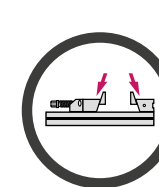
Montaggio in verticale di due morse StandardFLEX contrapposte su piani a reticolo Ø16mm. passo 50mm

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

Sistema a coda di rondine Dove tail system

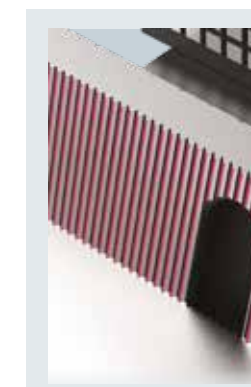
Rimuovendo le piastre ganasce è possibile sfruttare l'inclinazione a 15° del corpo per serrare il particolare, prelavando la faccia inferiore del particolare ottenendo così un sistema ad incastro irreversibile.

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



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

Innovative Comb system for quick pull-down jaw plate change



Altissima ripetibilità di posizionamento
Highest repositioning accuracy
 $\pm 0,005$ mm

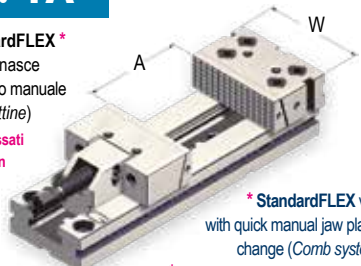
Veloce e preciso grazie alla forma rettificata del sistema a pettine

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

Effetto discendente Pull Down Action

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

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

Tipo (grandezza) morsa / Vise type (size)		kN	1 16 kN	2 25 kN	3 30 kN	4 30 kN				
Apertura massima / Maximum spread		A	100	150	200	300	200	300	400	500
Art. 1A Morsa StandardFLEX * con piastre ganasce a cambio rapido manuale (Sistema a pettine) * Serraggi disassati lateralmente non possibili.  * StandardFLEX vise with quick manual jaw plates change (Comb system) * Offset lateral clamping not possible		W	96	121	146		171			
		B	28	38	48		58			
		C	35	40	50		58			
		D	270	345	420	520	455	555	655	755
		G	75	95	125		145			
		kg	6.8	12.9	25.5	29	37	42	47	52
		Cod.	1.1A.10000	1.1A.20000	1.1A.32000	1.1A.33000	1.1A.42000	1.1A.43000	1.1A.44000	1.1A.45000

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 230E		Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401
Piastra ganascia intercambiabile Interchangeable jaw plate		H	23	33	43	53
Vedi pagina 4.21 per altezze disponibili See page 4.21 for available height		H1	5	5	5	5

Art. 212		Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
Ganascia mobile intermedia (da usare con Art. 230E) Intermediate movable jaw (to be used with Art. 230E)						

Art. 230B		Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401
Piastra ganascia intercambiabile dolce Soft interchangeable jaw plate						

Art. 230F		Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401
Piastra ganascia intercambiabile prismatica Prismatic interchangeable jaw plate						

Art. 1AE		Cod.								
Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto										

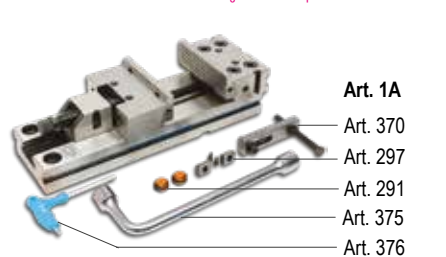
Art. 271

StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

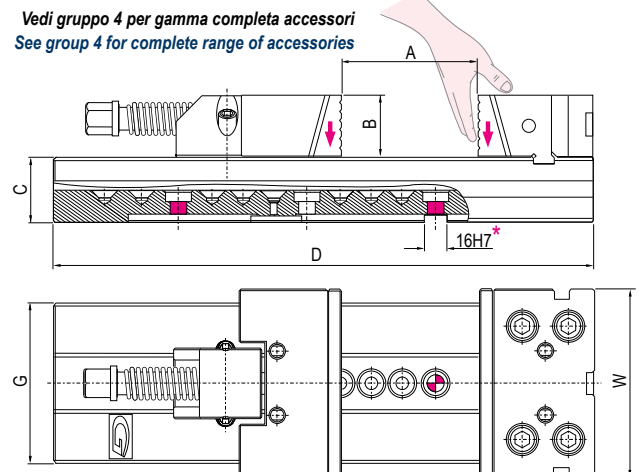
Art. 1A - Art. 258 + Art. 271 = Art. 1AE

CENTRALINA POWER UNIT (EXTRA)

- 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



* 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 !

Art. 230E		Cod.	4.23.0E501	4.23.0E601
H			53	68
H1			10	10

Art. 212		Cod.	1.21.25000	1.21.26000

Art. 230B		Cod.	4.23.0B501	4.23.0B601

Art. 230F		Cod.	4.23.0F501	4.23.0F601

		Cod.											

StandardMatic VISES

NEW 2023

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

Art. 1A

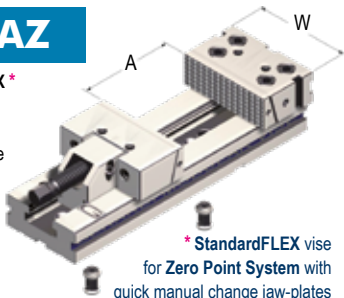
Art. 127A

Art. 370

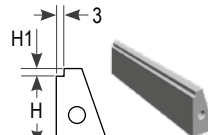
Art. 258

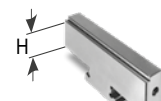
Art. 120A

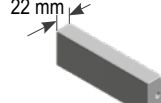
Art.	Pag.	Art.	Pag.
40A	1.24	376	4.35
230D	4.21	380	4.28
282	4.36	384	4.28
291	4.35	405	4.35
297	4.34	410	4.36
300A	4.30	431	4.28
306A	4.30	440	4.28
306B	4.30	605G1	4.22
360	4.36	605G2	4.22
361	4.36	605G3	4.22
370A	4.35	801I	5.61
375	4.35	-	-

Tipo (grandezza) morsa / Vise type (size)		kN	1* 16 kN	2 25 kN	3 30 kN	4 30 kN				
Apertura massima / Maximum spread		A	100	150	200	300	200	300	400	500
Art. 1AZ Morsa StandardFLEX * per Zero Point con piastre ganasce a cambio rapido manuale * Serraggi disassati lateralmente non possibili.  * StandardFLEX vise for Zero Point System with quick manual change jaw-plates * Offset lateral clamping not possible		W	96	121	146		171			
		B	28	38	48		58			
		C	35	40	50		58			
		D	270	345	420	520	455	555	655	755
		G	75	95	125		145			
		kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2
		Cod.	1.1A.Z1000	1.1A.Z2000	1.1A.Z3200	1.1A.Z3300	1.1A.Z4200	1.1A.Z4300	1.1A.Z4400	1.1A.Z4500

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

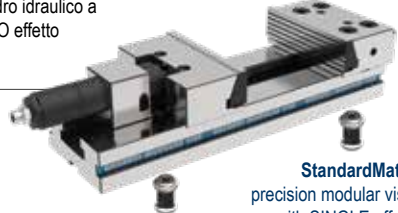
Art. 230E Piastra ganasce intercambiabile Interchangeable jaw plate Vedi pagina 4.21 per altezze disponibili See page 4.21 for available height		Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401				
		H	23	33	43	53				
		H1	5	5	5	5				

Art. 212 Ganasce mobile intermedia (da usare con Art. 230E) Intermediate movable jaw (to be used with Art. 230E)		Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000				
										

Art. 230B Piastra ganasce intercambiabile dolce Soft interchangeable jaw plate		Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401				
										

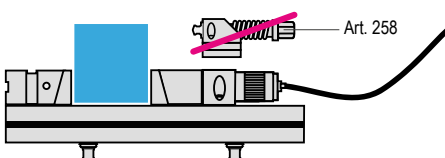
Art. 230F Piastra ganasce intercambiabile prismatica Prismatic interchangeable jaw plate		Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401				
										

Art. 1AZE Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto NEW 2023		Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41							
---	--	------	--	--	--	--	--	--	--	--



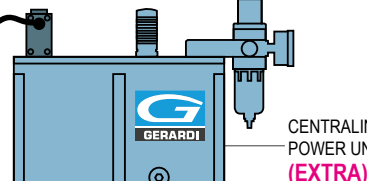
Art. 271

StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder



Art. 258

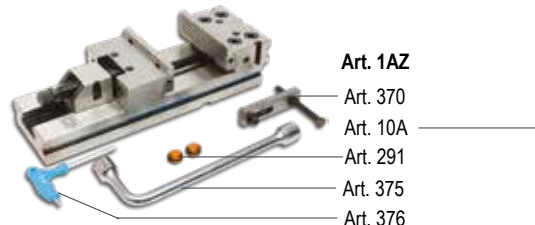
Art. 1AZ - Art. 258 + Art. 271 = Art. 1AZE



CENTRALINA
POWER UNIT
(EXTRA)

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

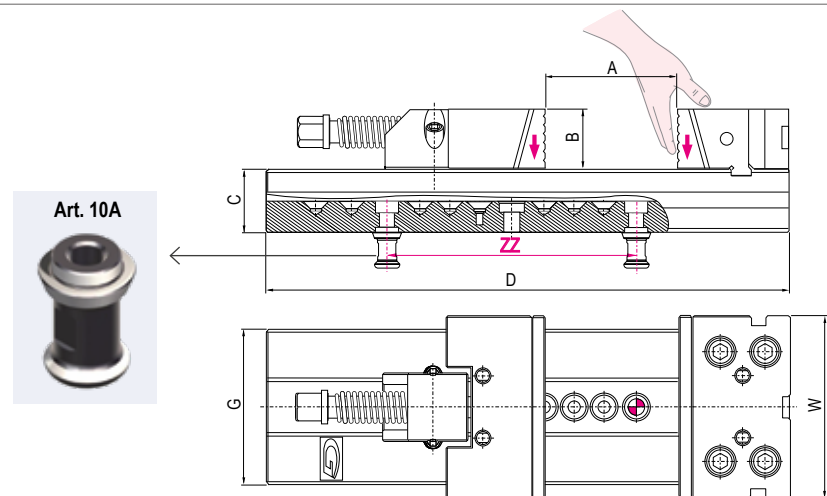


Standard equipment:

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

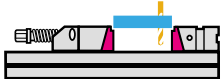
* Per morsa Tipo 1 sedi per tiranti 10A (tipo1) con interasse dei fori 150mm - Quote interassi tiranti ZZ a pag.1.24

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


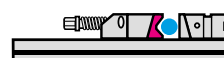
		5					6					
		40 kN					40 kN					
A	200	300	400	500	600	200	300	400	500	600	700	800
W			196						296			
B			63						78			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			200						300			
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1A.Z5200	1.1A.Z5300	1.1A.Z5400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

Art. 230E		4.23.0E501	4.23.0E601				
		H	53	68			
		H1	10	10			

Art. 212		1.21.25000	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							
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StandardMatic VISES
 NEW 2023

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



Art. 1AZ

This diagram illustrates the exploded view of a mechanical assembly, likely a hydraulic or pneumatic cylinder. The components are labeled with part numbers and organized into three main sections:

- Art. 127A (Top Left):** Includes parts 801I, 306A, 605G3, 230D, 306B, 605G2, and 605G1. These components are part of the upper assembly, including a piston rod and various seals and guides.
- Art. 120A (Top Right):** Includes parts 405, 384, 431, 440, 370A, 380, 300A, 605G2, 605G3, 605G1, and 230D. These components form the upper head and seal assembly.
- Art. 258 (Bottom):** Includes parts 376, 375, 410, 282, 361, 360, 291, 40Z, 10A, and 370. These components form the lower head and base assembly, including a mounting bracket and various fasteners.

The diagram shows the relative positions and assembly sequence of these parts, with lines indicating the direction of assembly.

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

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

Tipo (grandezza) / Type (size)		1	2	3	4					
Art. 40  Slittone base serie STD senza alcuna dotazione	C	35	40	50		58				
	D	270	345	420	520	455	555	655	755	
	G	75	95	125		145				
	K	-	-	100		100				
	N	2	3	3	4	3	4	5	6	
	U	111	111	122,5		129				
	Z	100	100	100		100				
	kg	3,8	7,3	15,1	18,7	20,6	25,2	29,7	34,5	
Vise base STD series supplied without any accessory		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		 Viso base Zero Point series supplied without any accessory							
ZZ	150 *	200	200	200	200	200	300	300	
kg	4	8	15,5	19	21	25,5	30	35	
Cod.	1.40.Z1000	1.40.Z2000	1.40.Z3200	1.40.Z3300	1.40.Z4200	1.40.Z4300	1.40.Z4400	1.40.Z4500	

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

PIASTRE D'INTERFACCIA ZERO POINT PER MORSE STD

Art. 62

STD

Piastra di interfaccia
Zero Point per
morse STD

Zero Point
connecting
plate for
STD vises

Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

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. 665	Tipo / Type 1	Tipo / Type T.2							
P	200	200	200	250	200	250	200x2	200x2	
kg	31	29	29	35	29	35	42	42	
Cod.	9.81.P12040S2	9.81.P2040S2	9.81.P2040S2	9.81.P2050S2	9.81.P2040S2	9.81.P2050S2	9.81.P2060S3	9.81.P2060S3	

Art. 81P

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

NEW
2023

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. 665	Tipo / Type 1	Tipo / Type T.2							
P	200	200	200	250	200	250	200x2	200x2	
kg	31	29	29	35	29	35	42	42	
Cod.	9.81.P12040S2	9.81.P2040S2	9.81.P2040S2	9.81.P2050S2	9.81.P2040S2	9.81.P2050S2	9.81.P2060S3	9.81.P2060S3	

[illegible]

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

[illegible][illegible]

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

ZERO POINT CONNECTING PLATES FOR STD VISES

[illegible]

Art. 40

Art. 40A

N Fori / Holes

G

D

K

Z

U

C

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

Art. 40A

N Fori / Holes

Technical drawing of a 40A profile. The top view shows a rectangular profile with a central slot and two side slots. Dimensions include D (total width), G (height), and N (distance between holes). The side view shows the profile's thickness and dimensions K, Z, and U.

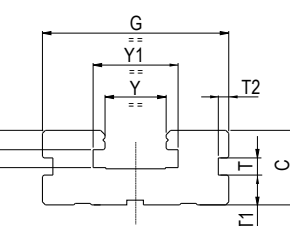
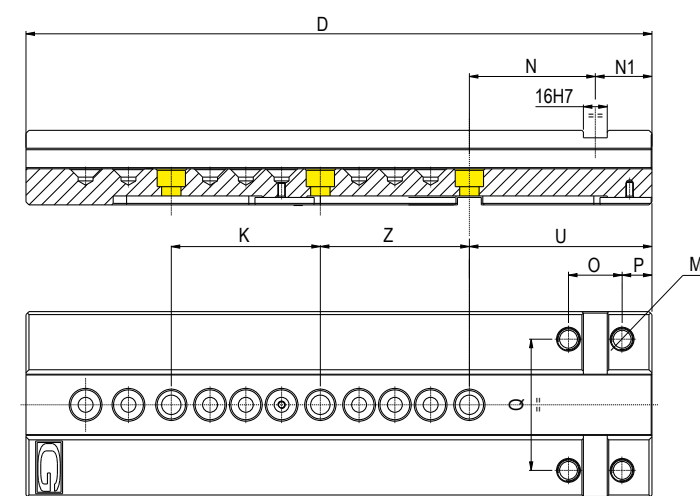
Versione normale: Cave da 16H7 e fori calibrati Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)
Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t. 2 - 3 - 4 - 5 - 6)

The image displays two technical drawings of aluminum extrusions. On the left is 'Art. 40Z', showing a cross-section with three circular holes and dimensions G (height), D (width), ZZ (distance between holes), and U (distance from hole to end). On the right is 'Art. 62', showing a cross-section with two circular holes and a central slot, with dimensions G (height), D (width), ZZ (distance between holes), UU (distance from hole to end), and U (distance from slot to end). A label 'N Fori / Holes' points to the holes in Art. 62.

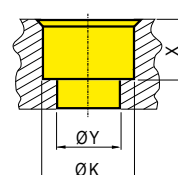
Versione normale: 2 o 3 fori filettati per tiranti Art. 10A - Tipo 2
Normal version: 2-3 holes threaded for pull studs Art. 10A - Type 2

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

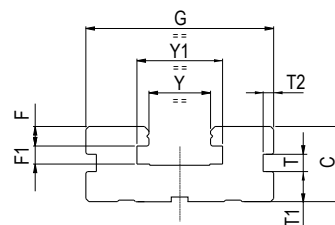
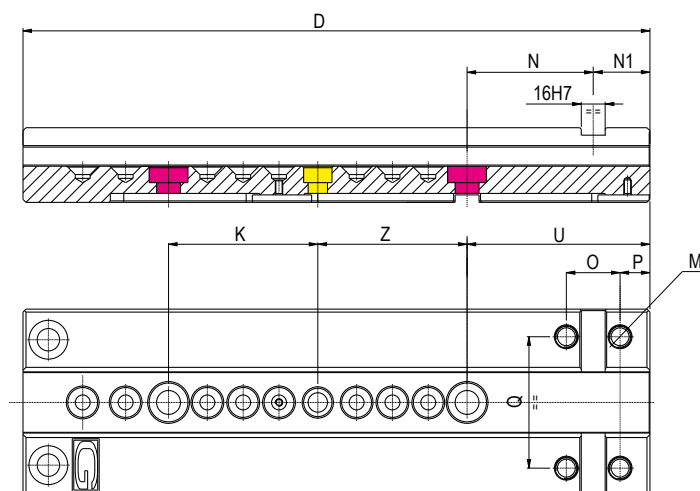


Dettaglio foro per vite TCEI / TCEI screw hole details

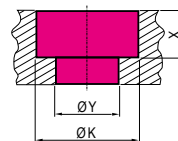


Type	1	2	3	4	5	6
X	4,5	5,5	12,5	12,5	17	17
Ø Y	6,5	8,5	13	13	17	17
Ø K	10,5	13,5	19	19	26	26

Art. 40A Slittone base serie **StandardFLEX** / Vise base **StandardFLEX** series



Dettaglio foro per vite 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		

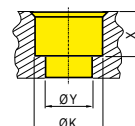
Dettaglio foro per vite TCEI

TCEI screw hole details

TIPO 3 - TYPE 3

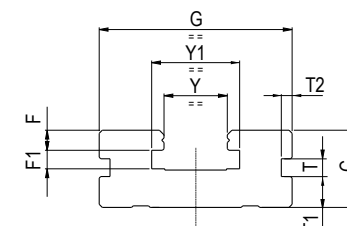
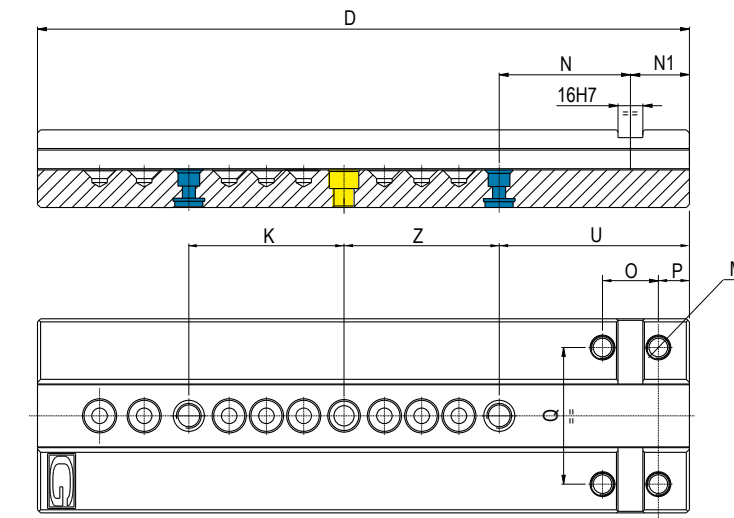
Type	3
X	8
Ø Y	13
Ø K	19

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

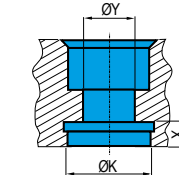


	5		6						
C	70		78						
D			535	635	735	835	935	1035	1135
F	20		20						
F1	18		18						
G	170		195						
Y	61		71						
Y1	80		91						
M	M20		M20						
N	100		107						
N1	45		45						
O	44		44						
P	23		23						
Q	120		133						
T	17,5		17,5						
T1	26		26						
T2	10		10						
U	145		152			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

Art. 40Z Slittone base serie **ZERO POINT** / Vise base **ZERO POINT** series

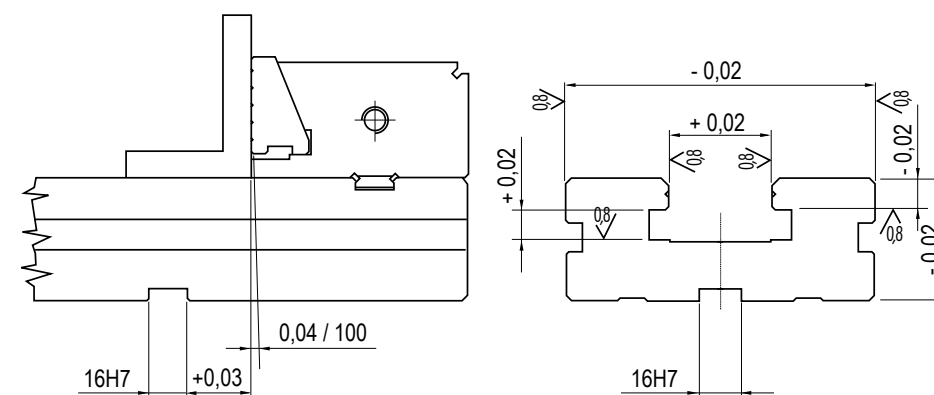


Dettaglio foro per Zero Point / Zero Point hole details

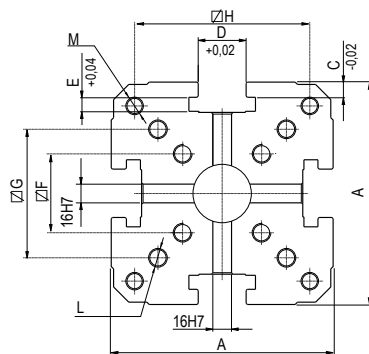


Type	1	2	3	4	5	6
X	6					
Ø Y	13					
Ø K	20					

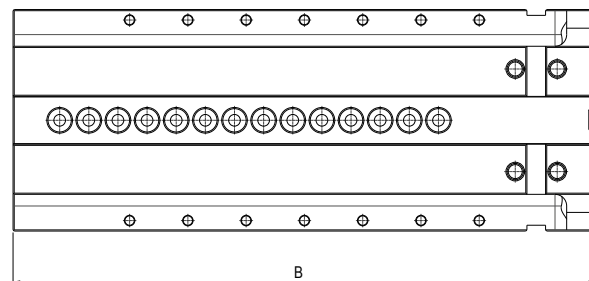
Tolleranze generiche per morse **XL** / XL vise generic tolerances



Tipo (grandezza) / Type (size)



Art. 701

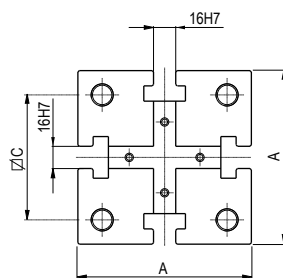


Senza alcuna dotazione
Without accessory equipment

Art. 701

Corpo slittone standard
Body for standard vise tower

Tipo (grandezza) / Type (size)



Art. 450

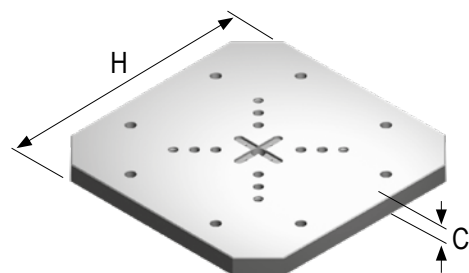


Senza alcuna dotazione
Without accessory equipment

Art. 450

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

Tipo (grandezza) / Type (size)



Art. 828A

STD

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

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

* A richiesta / On request

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

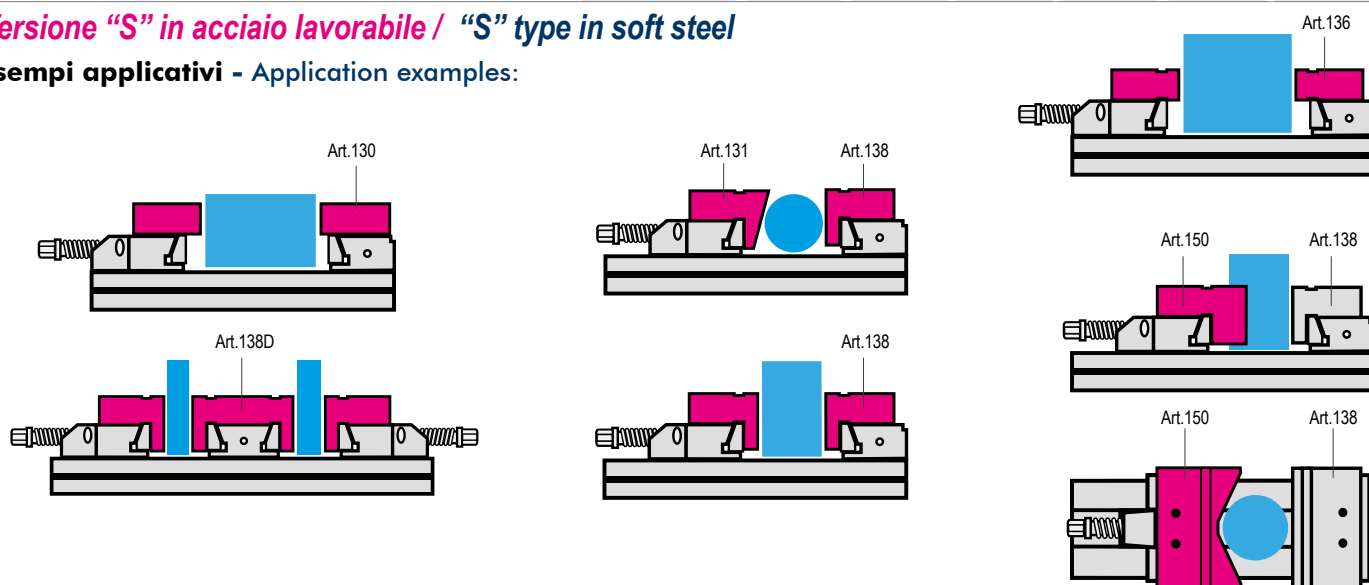
* A richiesta / On request

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

Tipo (grandezza) / Type (size)		1	2	3	4	5	6
Ganascia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable							
Art. 130* Art. 130S*							
Extra large / Extra width							
* Viti per fissaggio a richiesta Fixing screws on request							
Ganascia sovrapponibile per pezzi tondi fissa o mobile Stack-type jaw round parts fixed or movable							
Art. 131* Art. 131S*							
Larghezza normale / Normal width							
Art. 131A* Art. 131AS*							
Larghezza super ridotta / Super narrow width							
* Viti per fissaggio a richiesta Fixing screws on request							
Ganascia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable							
Art. 136* Art. 136S*							
Larghezza normale / Normal width							
Art. 137* Art. 137S*							
Larghezza super ridotta / Super narrow width							
* Viti per fissaggio a richiesta Fixing screws on request							
Ganascia a squadra sovrapponibile fissa o mobile Square stack-type jaw fixed or movable							
Art. 138* Art. 138S*							
Larghezza normale / Normal width							
Art. 139* Art. 139S*							
Larghezza super ridotta / Super narrow width							
* Viti per fissaggio a richiesta Fixing screws on request							
Ganascia a squadra sovrapponibile doppia Double square jaw stack-type							
Art. 138D* Art. 138DS*							
Larghezza normale / Normal width							
Art. 139D* Art. 139DS*							
Larghezza super ridotta / Super narrow width							
* Viti per fissaggio a richiesta Fixing screws on request							
Ganascia prismatica sovrapponibile fissa o mobile Stack-type prismatic jaw fixed or movable							
Art. 150* Art. 150S*							
Larghezza normale / Normal width							
Art. 150A* Art. 150AS*							
Larghezza super ridotta / Super narrow width							
* 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								
Vista da "A"								
Art. 136/137								
Temprate o in acciaio lavorabile Hardened or soft								
Art. 138/139								
Temprate o in acciaio lavorabile Hardened or soft								
Art. 138D/139D								
Temprate o in acciaio lavorabile Hardened or soft								
Art. 131/131A								
Temprate o in acciaio lavorabile Hardened or soft								
Art. 150/150A								
Temprate o in acciaio lavorabile Hardened or soft								

Art. 131	Ø2 min	33	43	49	60	70		
	Ø2 max		100	130	160	180	220	
Art. 150	Ø1 min	24,5	32,5	35,5	38,5	51	72,5	
	Ø1 max	89	111	244	274	375.5	536	

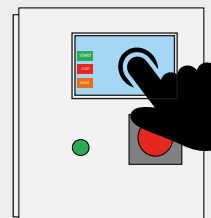
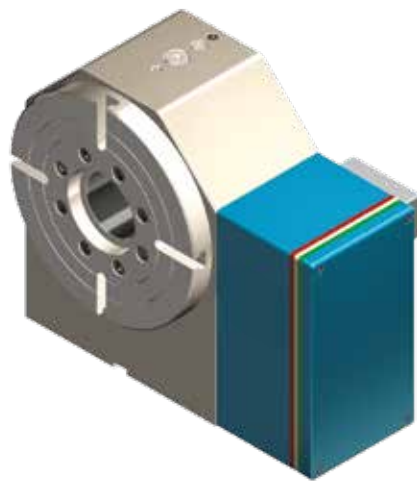
DIVISORE AUTOMATICO DPG 250

AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DPG 250



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

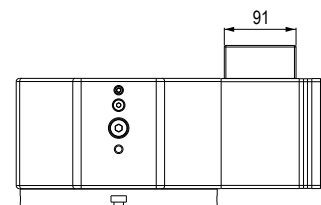
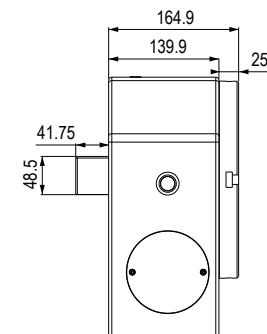
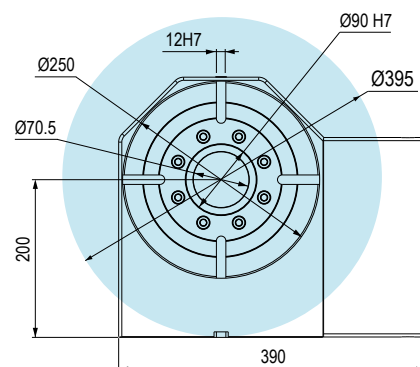
EASY AND INTUITIVE TOUCH SCREEN
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

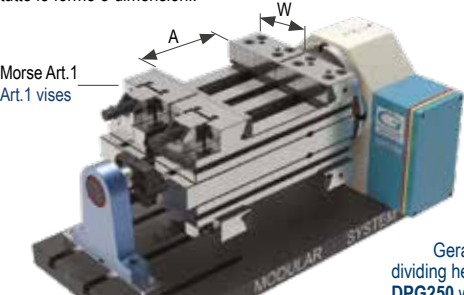
- Installazione semplice (alimentazione 220V)
- Corona in bronzo speciale
- Controsupporto semplice
- Vite senza fine in acciaio temprato e rettificato
- Vite e corona in bagno d'olio
- Cuscinetti a vite precaricati
- Cuscinetto anteriore a rulli incrociati sovradimensionato
- Recupero gioco con avvicinamento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

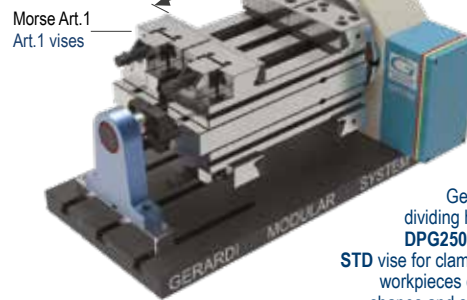
- Easy installation (220V)
- Special bronze crown
- Simple tailstock
- Worm screw in hardened ground steel
- Bath lubrication Screw and Crown
- Pre-loaded screw bearings
- Over-dimensioned crossed-roller front bearing
- Play recover with axial approach
- Watertight seal with possibility of pressurization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

Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Clearance hole diameter		70,5 mm
Altezza punta Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		Iidraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
Motore Servo motor		3000 Max.g/min
Minimo incremento Minimum increment		0,002
Velocità di rotazione Rotation speed		33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)		1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)		1/180
Precisione Indexing accuracy		±10 Sec.
Ripetibilità Repeatability		4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical	Kg.550
	Orizzontale Horizontal	Kg.1500
		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DPG.2500

DPG 250



Tipo (grandezza) / Type (size)		1		2		3		4		
Montaggio / Mounting		Double		Double		Double		Double		
Apertura massima / Maximum spread		A	100	150	200	300	200	300	400	500
 Morse Art.1 Art.1 vises Gerardi dividing head DPG250 with		W	96	121	146		171			
		B	28	38	48		58			
		C	35	40	50		58			
		D	270	345	420	520	455	555	655	755
		G	75	95	125		145			
		kg	7.3	13.2	26.2	29.7	37.9	43	48.1	53.2
		Cod.	1.DP.G25000	1.DP.G25010	1.DP.G25020	1.DP.G25030	1.DP.G25040	1.DP.G25050	1.DP.G25060	1.DP.G25070



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

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod. 7.99.A1000

Art. 99B

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



Cod. 1.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod. 1.99.H1000

Art. 62K

DPG 250

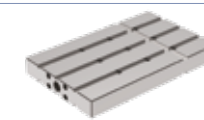
Piastra di interfaccia per cubo STD completa di sistema d'allineamento
Connecting plate with alignment system for STD



Cod. 1.62.KDPG25

Art. 99T

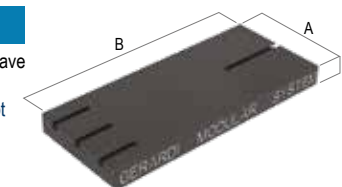
Sovratavola per divisore
Head-plate for dividing head



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

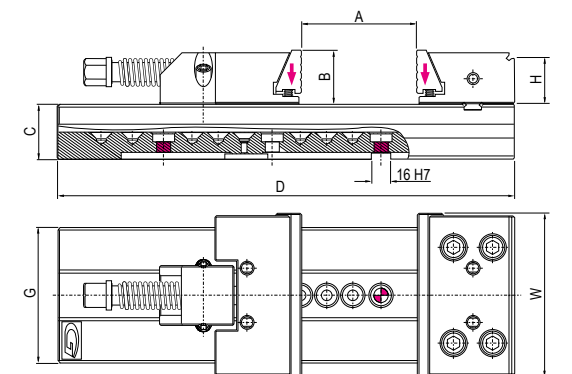
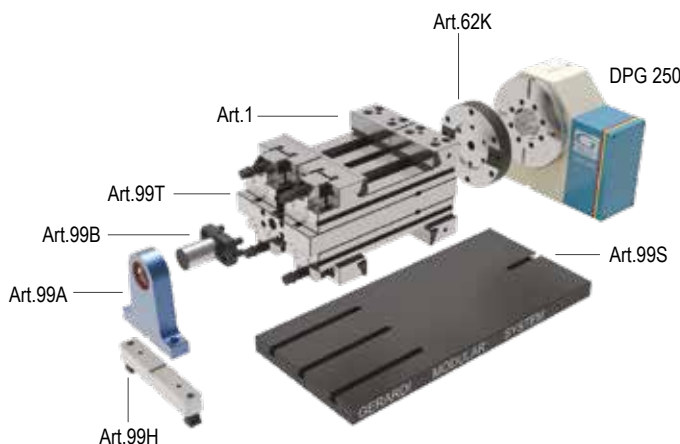
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground



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

Dati tecnici
Technical Data

DIVIGER 205



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



DIVISORE MECCANICO, SENZA CAVI O IDRAULICA,
PERMACCHINE A CNC

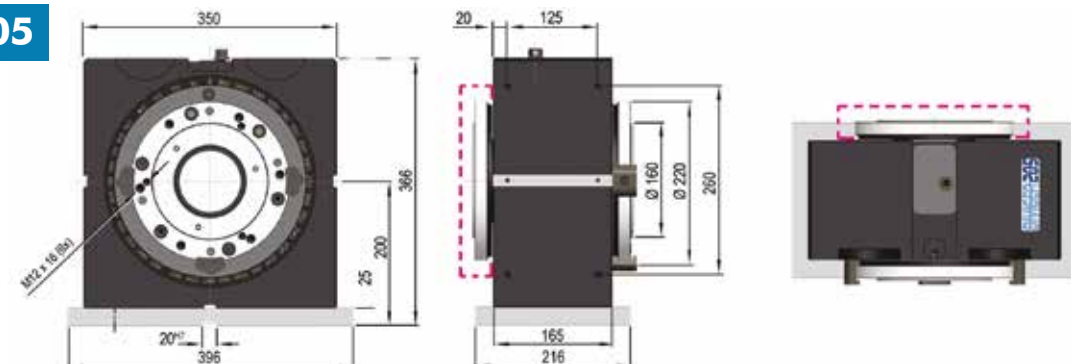
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES
OR HYDRAULIC, FOR CNC MILLING MACHINE

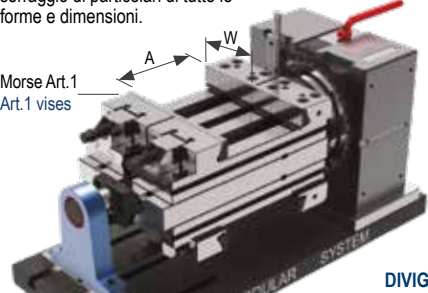
- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta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

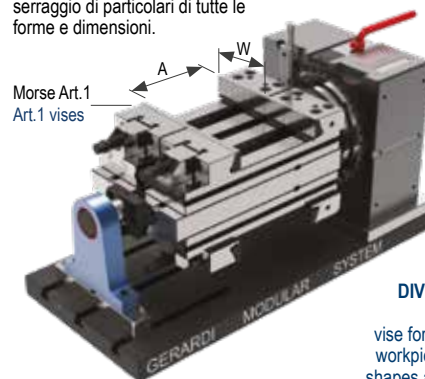
- Cost-effective on multiple-sides machining
- Machine independent
- High holding torque
- Dividing manually or automatically using the machine spindle
- 360 x 1° division
- Simultaneous clamping of 2 workpieces thanks to the dual flange
- 5 faces machining without counter-holder
- Bar machining due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



DIVIGER 205



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



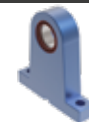
DIVIGER 205
with STD
vise for clamping
workpieces of all
shapes and sizes.

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a 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

DIVIGER 205

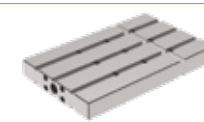
Piastra di interfaccia per cubo STD
completa di sistema d'allineamento
Connecting plate with alignment system for STD



Cod. 1.62.KDPG25

Art. 99T

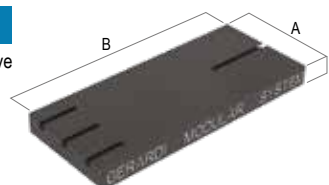
Sovratavola per divisore
Head-plate for dividing head



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

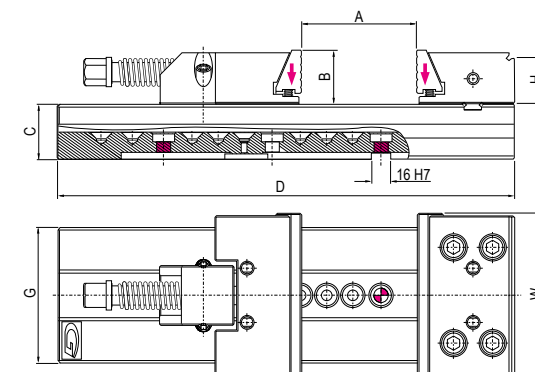
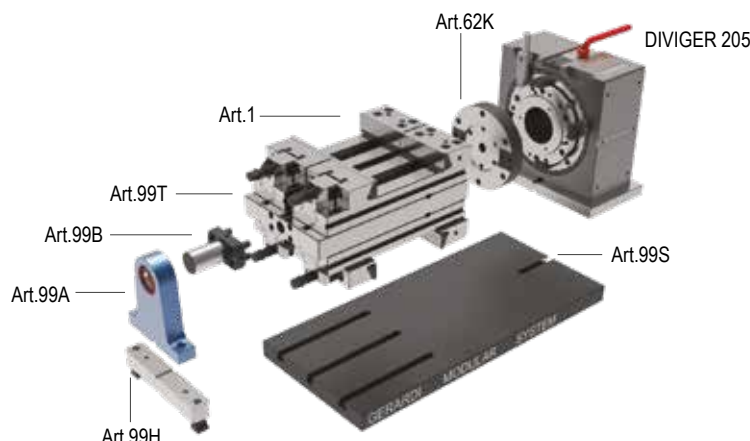
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground



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

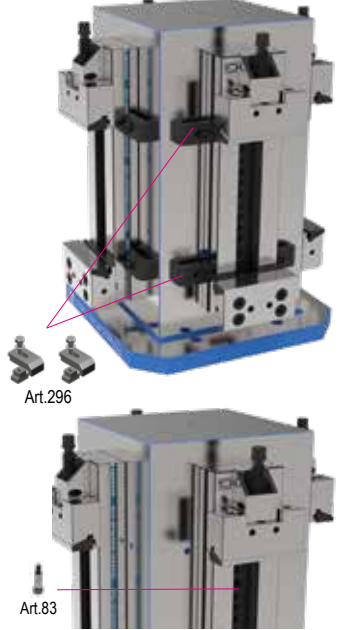
Disponibili quote "B" a step di 50mm - Available dimension "B" in steps of 50mm



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

PREDISPOSIZIONE e MONTAGGIO MORSE su CUBI LAVORATI

TOMBSTONES SET-UP and VISES MOUNTING on MACHINED TOMBSTONES

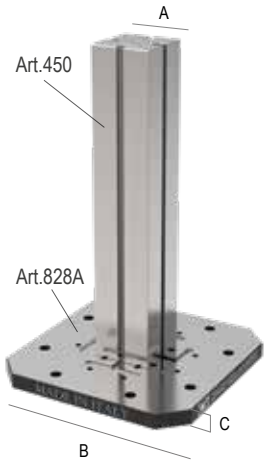
Cubo lavorato Art.53C Machined cube Art.53C	Tipo di morsa Vise type	Predisposizione e montaggio* Set-up & Mounting*	Cubo con morse Cube with vises
Cod. 8.53.C00171 Dim. A=350 / B=500 / H=700 	Art.1 Tipo 4x300 	Per morsa / each vise  Importo per lavorazioni necessarie per predisporre ogni faccia del cubo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

* 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

VICE VERTICAL MOUNTING on CENTRAL SUPPORT

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

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

Certificato di collaudo
 Certificate test

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA

ALIGNEMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE



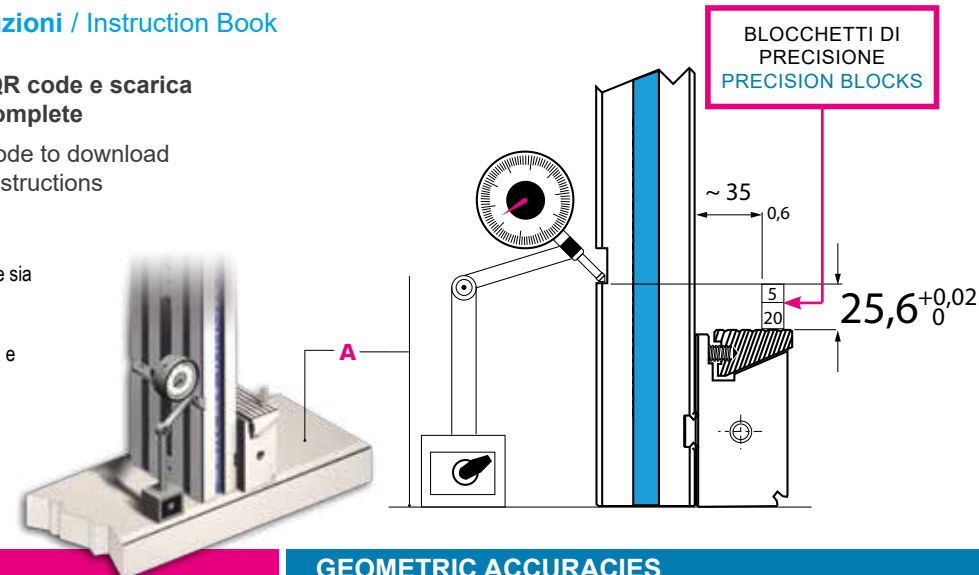
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

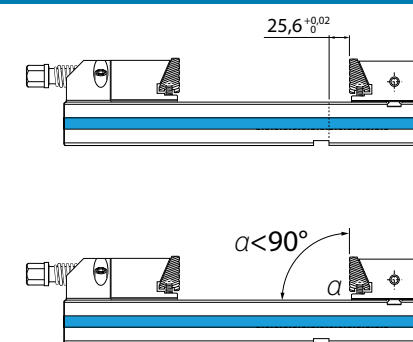
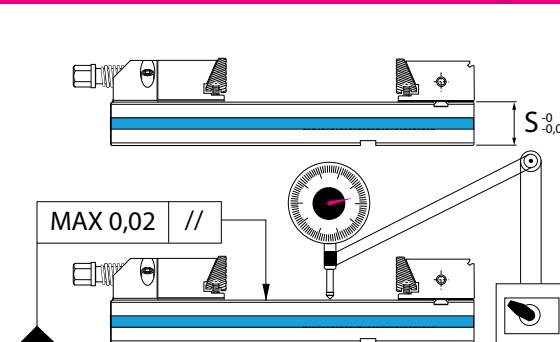
Posizionare la morsa verticalmente assicurandosi che sia perfettamente parallela al piano di appoggio **A** nei due sensi. Successivamente, con un comparatore centesimale, controllare il parallelismo del piano cava e della ganascia fissa.

Set the vise vertically ensuring that it is perfectly 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.



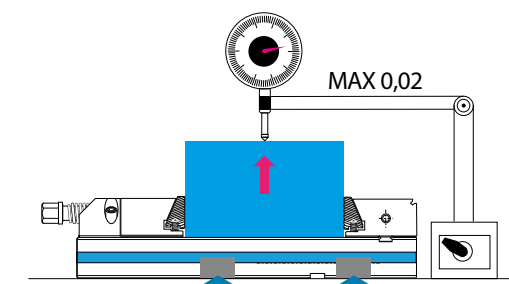
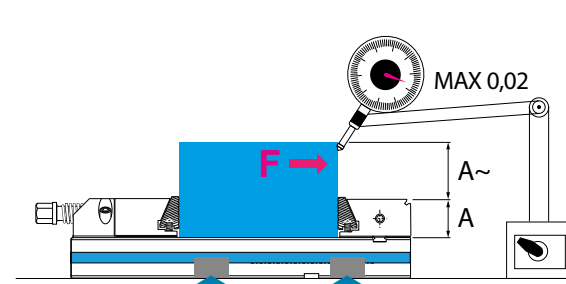
TOLLERANZE GEOMETRICHE

GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE

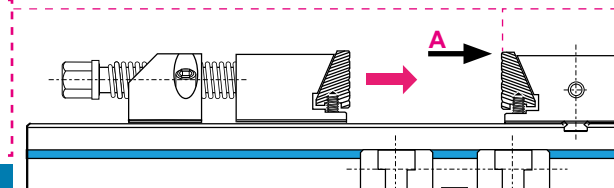
DYNAMIC ACCURACIES



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

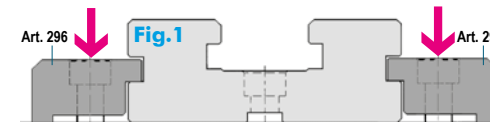
Il sistema consigliato per l'ancoraggio della morsa sulla tavola macchina è tramite STAFFE Art.296. (Fig.1)

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)

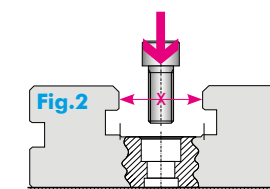
Nella tabella seguente sono riportati i valori di coppia massima applicabile mediante chiave dinamometrica

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	250	250	
Viti - Screws	2	2	3	4	4	4

Diagrammi di serraggio / Clamping diagrams

Standard / StandardFLEX

Diagrammi di serraggio meccanico con chiave dinamometrica

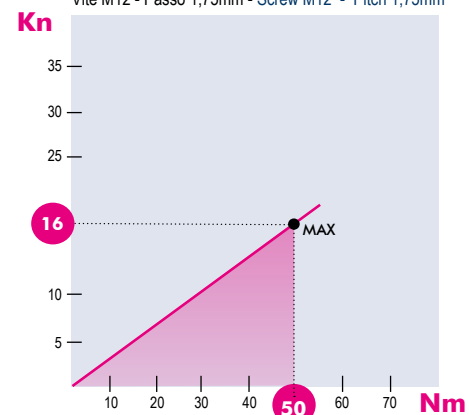
Mechanical clamping diagrams with torque wrench

Art. 1 / 1A / 700

Morse tipo Vises type

1

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

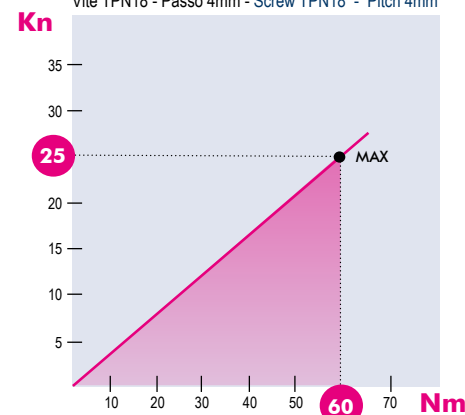


Art. 357

Morse tipo Vises type

2

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



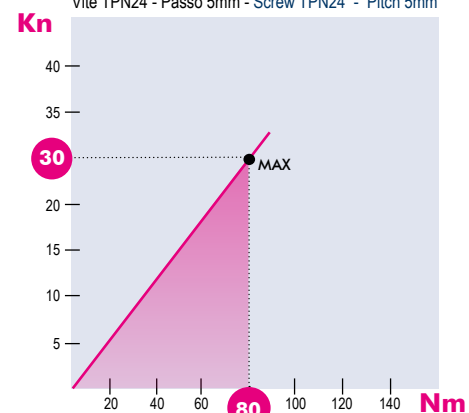
Gruppi di serraggio meccanici (Art. 258 e similari) / Mechanical clamping devices (Art. 258 and similar)

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

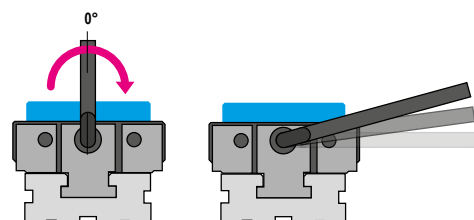
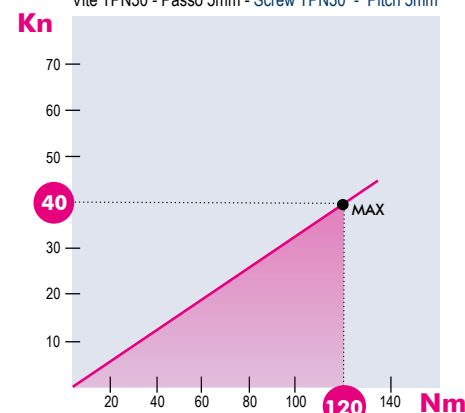


Art. 357

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 staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a $\pm 10\%$. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a $\pm 10\%$ range. For optimum operation do not exceed chart values.

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!

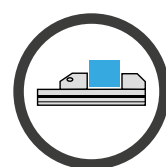
Highest accuracy vises for grinding operations!

CARATTERISTICHE & VANTAGGI

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

TECHNICAL FEATURES & ADVANTAGES

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



Per le esigenze più impegnative nelle lavorazioni con ristrette tolleranze

For the highest accuracy machining operations

Rigidità e Sicurezza Rigidity and Safety

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

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

Staffe d'ancoraggio / Vise holding clamps

OK Series

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

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

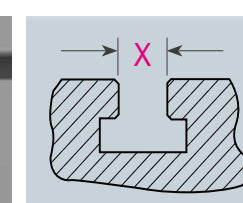
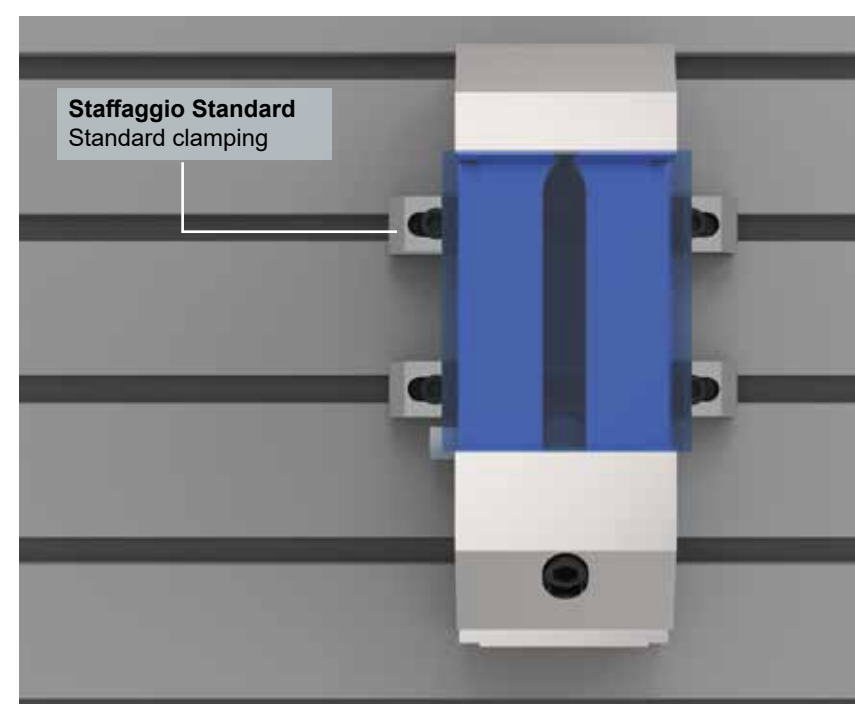


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: **Art.666O T.3 X=18mm***

Oppure con codice: **7.66.6O300***

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

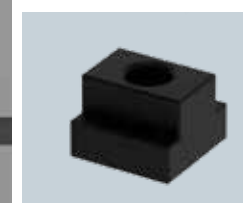
Also with code: **7.66.6O300***



Cava a T T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension



Art.287 (Pag.4.34)*

Dadi a T - T Nuts

Per fissaggio morse alle cave a T della macchina

For vise clamping on the machine T-slots



Art.666O

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

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

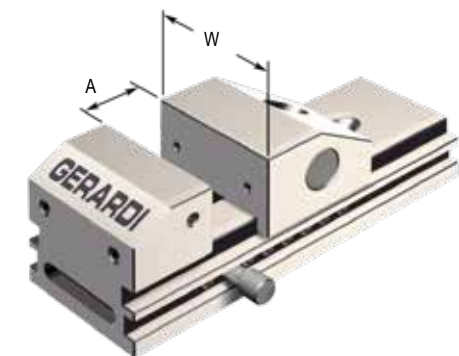
* Dadi a T (Art.287) e viti TCEI a richiesta - T-Nuts (Art.287) & HS screws on request

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

Tipo (grandezza) morsa / Vise type (size)		0	1	2	3	4	5	6	7	8
		kN		16 kN	16 kN	18 kN	18 kN	18 kN	18 kN	20 kN
Apertura massima / Maximum spread		A	27	80	100	120	160	180	200	260
		W	30	60	75	100	125	125	125	160
		B	15	28	40	45	50	50	50	63
		C	15	28	35	42	50	50	50	63
		D	75	175	220	260	330	350	370	430
		E	15	40	50	55	65	65	65	80
		F	33	55	50	85	105	105	110	130
		kg	0,28	2,820	5,820	10,740	19,450	20,080	20,720	26,720
		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

Art. 666

Morsa serie **OK** in acciaio / Series **OK** vises in steel

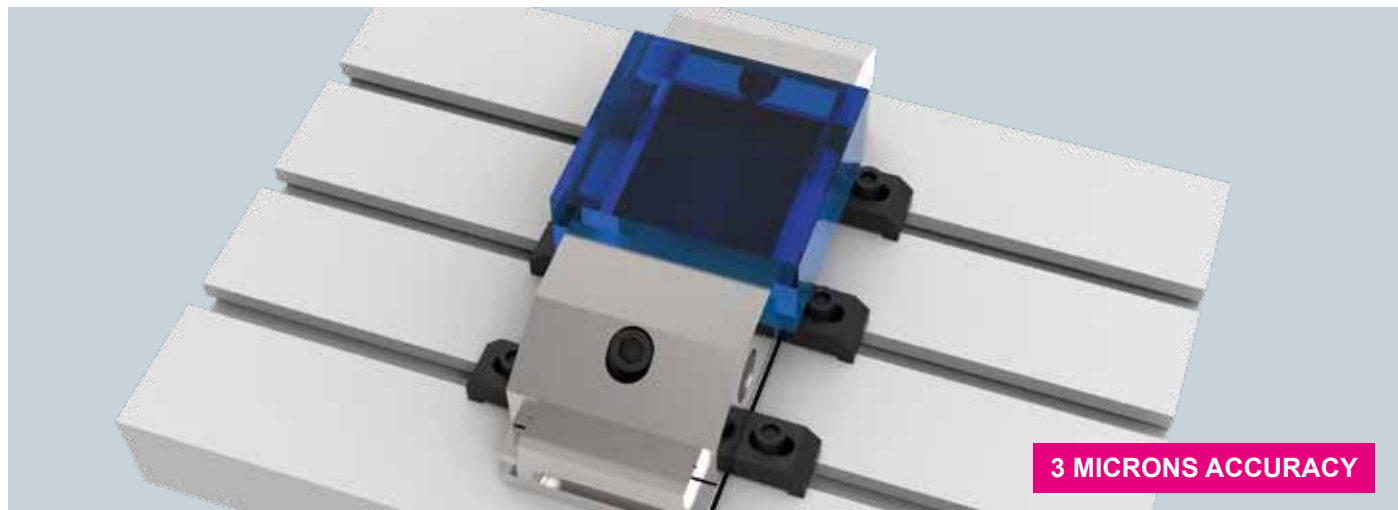


Art. 666S

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

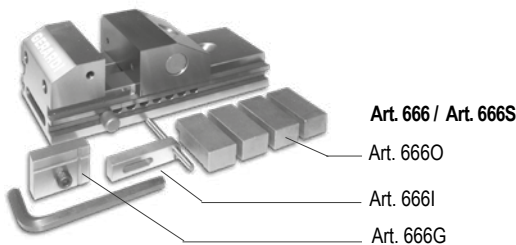
* Acciaio temprato a basso contenuto di ferro (Max resistenza alla corrosione dopo tempra e rettifica)
Low carbon hardened steel (max resistance against corrosion after hardening process and grinding operations)

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



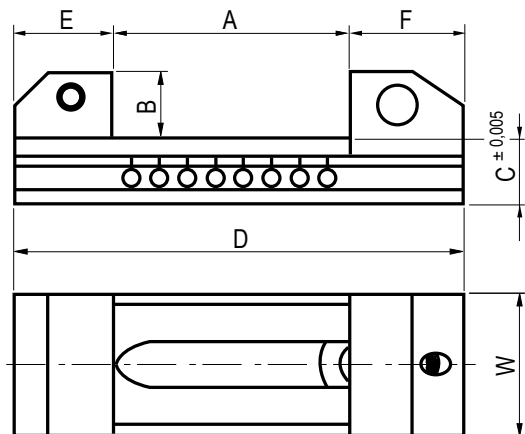
Dotazione standard:

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



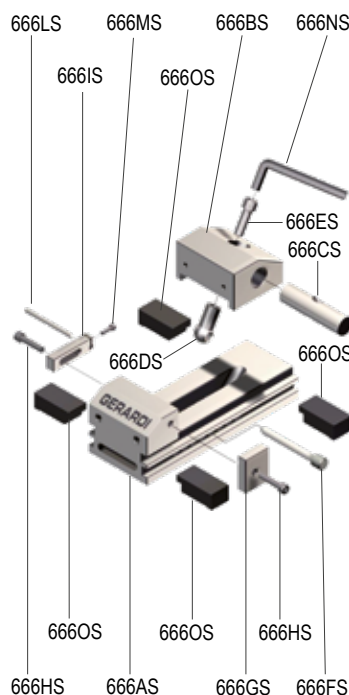
Standard equipment:

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



Tipo (grandezza) morsa / Vise type (size)		0	1	2	3	4	5	6	7	8
				16 kN	16 kN	18 kN	18 kN	18 kN	18 kN	20 kN
Parti di ricambio per Art. 666 / Spare parts for Art. 666										
		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
Art. 666A										
		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
Art. 666B										
		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
Art. 666C										
		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
Art. 666D										
		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
Art. 666E										
		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
Art. 666F										
		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
Art. 666G										
		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
Art. 666H										
		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
Art. 666I										
		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
Art. 666L										
		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
Art. 666M										
		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
Art. 666N										
		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
Art. 666O										

Tipo (grandezza) morsa / Vise type (size)		0	1	2	3	4	5	6	7	8
				16 kN	16 kN	18 kN	18 kN	18 kN	18 kN	20 kN
Parti di ricambio in acciaio inox per Art. 666S / Spare parts in stainless steel for Art. 666										
		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
Art. 666AS										
		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
Art. 666BS										
		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
Art. 666CS										
		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
Art. 666DS										
		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
Art. 666ES										
		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
Art. 666FS										
		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
Art. 666GS										
		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
Art. 666HS										
		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
Art. 666IS										
		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
Art. 666LS										
		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
Art. 666MS										
		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
Art. 666NS										
		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
Art. 666OS										



MORSE per RETTIFICA

GRINDING VISES

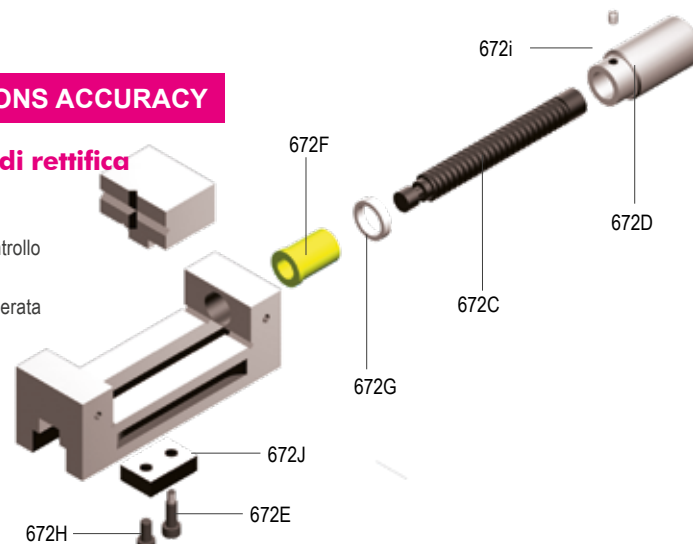
3 MICRONS ACCURACY

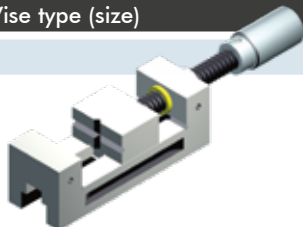
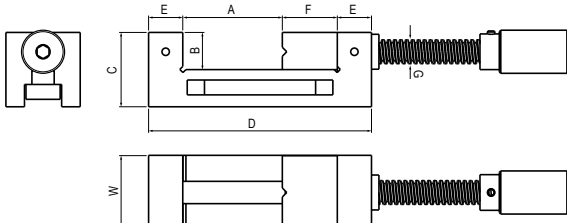
Una morsa estremamente precisa, adatta a lavorazioni di rettifica

High precision vise ideal for grinding operations

- Particolarmente adatta per lavori di alta precisione su rettificatrici e apparecchiature di controllo
- Costruita completamente in acciai temprati a durezza 58/60 HRC
- Perfettamente rettificata su tutti i suoi piani onde per ottenere i 90° in ogni posizione desiderata
- La 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

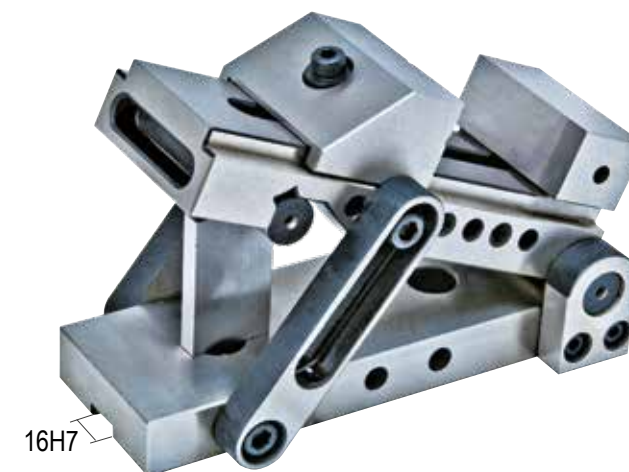


Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6	7	
Apertura massima / Maximum spread		A	64	76	88	100	120	160	175
Art. 672 Morsa serie OK in acciaio Series OK vises in steel		W	50	64	76	88	100	125	150
		B	30	35	35	40	40	50	50
		C	60	70	70	75	75	98	98
		D	150	172	187	215	240	290	305
		E	30	30	32	40	40	50	50
		F	35	40	40	45	45	50	50
		H	190	212	227	255	280	338	355
		kg	2,2	3,9	5,4	7	8,8	15,7	20
		Cod.	1.67.21000	1.67.22000	1.67.23000	1.67.24000	1.67.25000	1.67.26000	1.67.27000

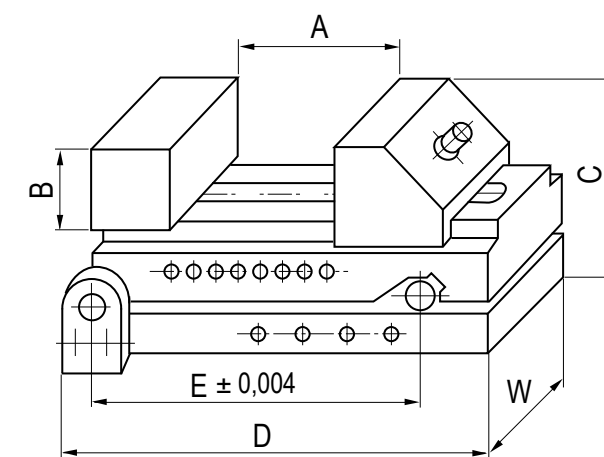
Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6	7
Base Morsa Vise Base	Art. 672A	Cod. 1.67.2A100	1.67.2A200	1.67.2A300	1.67.2A400	1.67.2A500	1.67.2A600	1.67.2A700
Ganascia Mobile Movable Jaw	Art. 672B	Cod. 1.67.2B100	1.67.2B200	1.67.2B300	1.67.2B400	1.67.2B500	1.67.2B600	1.67.2B700
Vite di Spinta 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°) ▪ Superfici rettificate, temperate e lappate ▪ Ortogonalità e parallelismo: 0,003 mm / 100 mm ▪ Ideali per operazioni di controllo, rettifica, elettroerosione e fresatura ▪ All case hardened and hardened HRC 60 steel ▪ Squareness and parallelism: 0,003 mm / 100 mm ▪ Ideal for grinding E.D.M. machine and for milling operations also for checking and control	W	75	100	125	
	B	32	45	50	
	C	95	116	139	
	D	214	244	303,5	
	E	150	200	240	
	kg	9	15	26	
Cod.		1.66.71000	1.66.72000	1.66.73000	

- Morse di precisione con barraseno (0 - 90°)
Precision sine vises (0 - 90°)
- Superfici rettificate, temperate e lappate
 - Ortogonalità e parallelismo: 0,003 mm / 100 mm
 - Ideali per operazioni di controllo, rettifica, elettroerosione e fresatura
 - All case hardened and hardened HRC 60 steel
 - Squareness and parallelism: 0,003 mm / 100 mm
 - Ideal for grinding E.D.M. machine and for milling operations also for checking and control



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

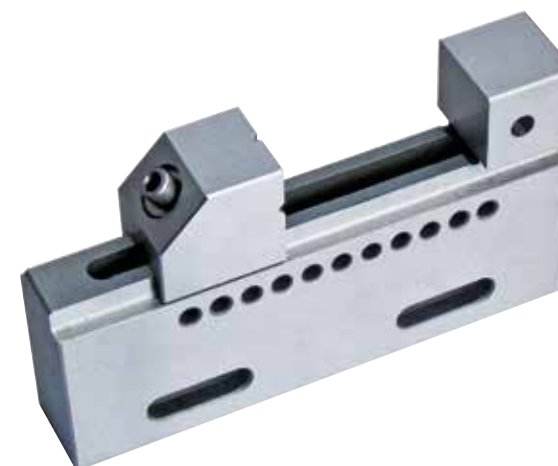


Tipo (grandezza) morsa / Vise type (size)		1	2	3	
Apertura massima / Maximum spread		A	100	150	214
Art. 668	Morse di precisione in acciaio inox Stainless steel precision vises	W	32	32	36
		B	30	35	40
		C	95	100	110
		D	170	226	300
		E	11	11	13,5
		F	9	9	9
		G	34	34	34
	H	50	70	70	
	kg	4	5	6	
Cod.		1.66.81000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

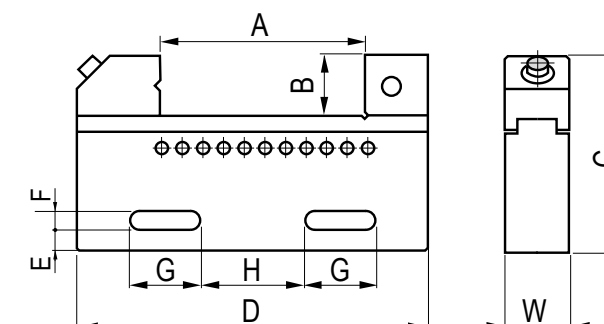


Costruita in acciaio inox. Durezza HRC50-55
Parallelismo e ortogonalità 0,005-0,008. Alta resistenza alla corrosione.
Ideali per operazioni di controllo e elettroerosione

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



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



Diagrammi di serraggio / Clamping diagrams

OK Series

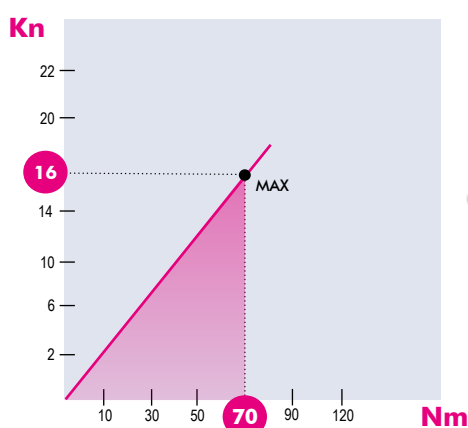
Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Art. 666 / 666S

Morse tipo
Vises type

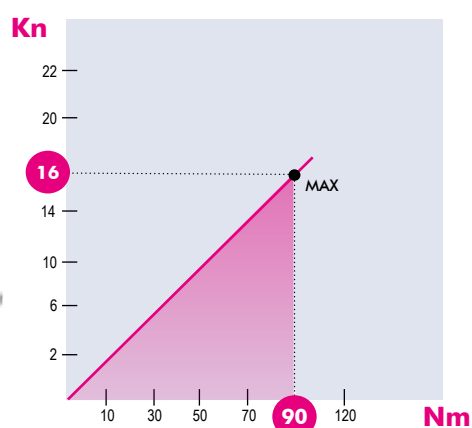
2



Art. 357

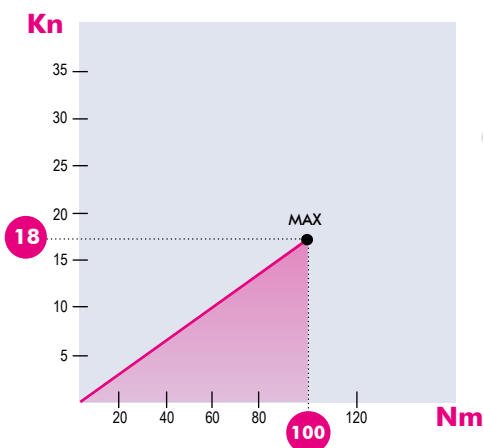
Morse tipo
Vises type

3



Morse tipo
Vises type

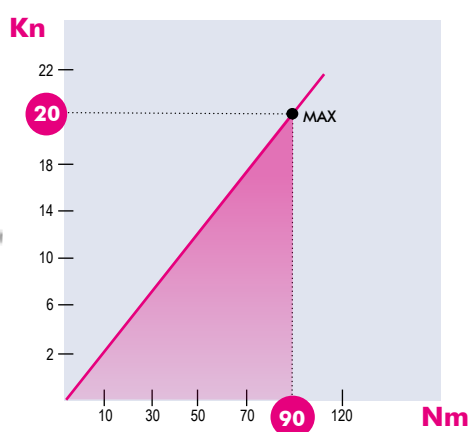
4-5-6-7



Art. 357

Morse tipo
Vises type

8



NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a $\pm 10\%$. Per un corretto utilizzo non superare i valori indicati nel grafico
 Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a $\pm 10\%$ range. For optimum operation do not exceed chart values.