

1



*The perfect mix!
Price, Quality, Versatility*

STD - StandardFLEX - OK

Morse e Cubi / Vises & Vise Towers

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VALIGETTA DI CAMPIONATURA STD / StdFLEX

SAMPLE KIT CASE STD / StdFLEX

Art. 981


Art.1 T.1

Art. 1 - All'Interno - Inside:

Morsa / Vise Art. 1

Cod. 098.10000

Art. 985


Art.1A T.1


Morsa / Vise Art. 1A

Cod. 098.50000

Art. 1 - All'Interno - Inside:


SIMBOLOGIA DATI TECNICI

TECHNICAL DATA ICONS

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

OPZIONI LAVORAZIONI EXTRA

OPTIONS FOR EXTRA MACHINING

 Nei codici, **STD** si riferisce agli articoli dei gruppi 1, 2 e 3.
 In codes, **STD** refers to articles in groups 1, 2 and 3.

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

Vedi pagina 1.40 per esempi applicativi - See page 1.40 for application examples

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

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

DESIGN COMPATTO / SPACE SAVING DESIGN

La semplicità nonché la compattezza costruttiva consentono un'apertura notevole rispetto all'ingombro totale dell'attrezzatura. Inoltre lo stesso peso (solo 25 kg per una morsa da 150 mm di larghezza ganas cia) 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.

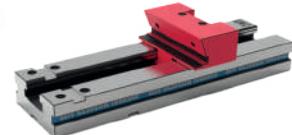
Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1- Hydraulic / 2- Pneumatic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



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



Durezza / Hardened
HRC 58±2



Ganascia monoblocco
Solid Guided Jaws

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.

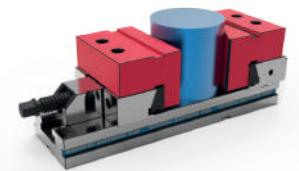
Both jaws bodies are built in one solid piece (no slides or key-nuts): in order to guarantee higher rigidity & no bendings. Both jaw plates are manufactured with a pull down angle. This ensures, during the clamping operation, a downward run of the workpiece against the vise base (by dragging) and thus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

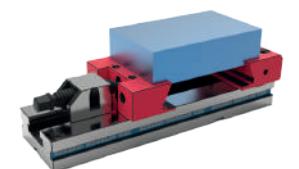
The prismatic jaw Art.217 allows the clamping and machining of vertical and horizontal round workpieces or to clamp rised workpieces for drilled through on the step



Sovraganascia
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



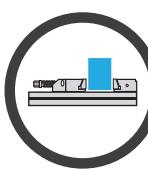
Coda di Rondine
Dove Tail

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

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

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

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



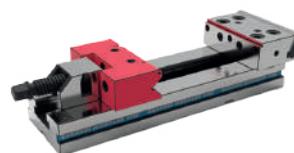
SCAN IT TO SEE



THE WEB PAGE



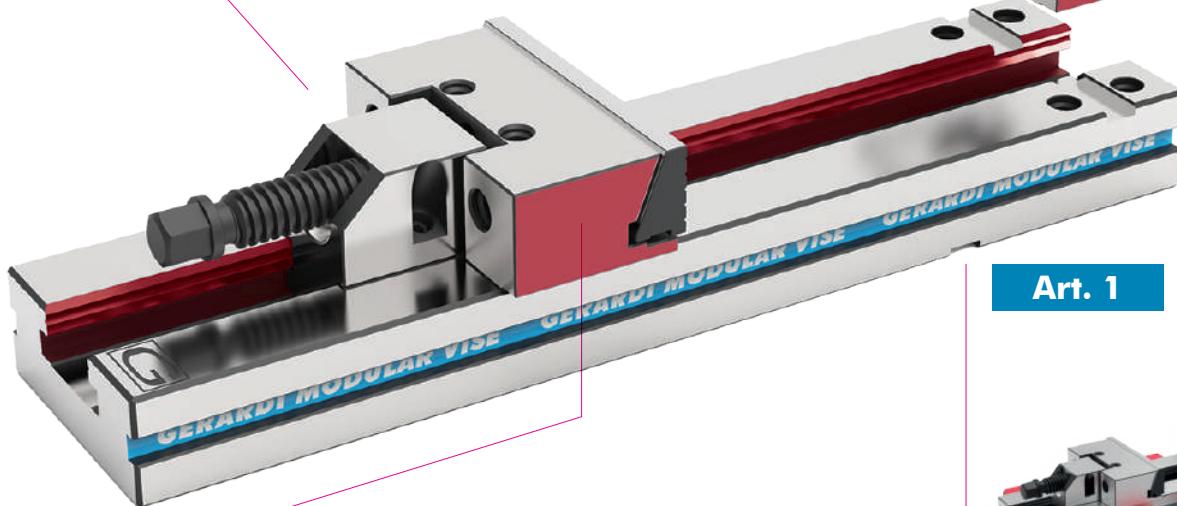
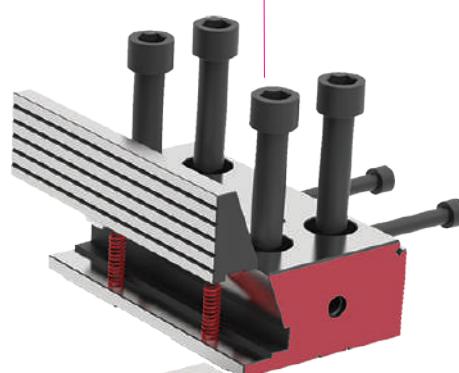
*Il trinomio perfetto!
Convenienza, Qualità, Versatilità*
*The perfect mix!
Price, Quality, Versatility*



Versatility - Versatilità

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

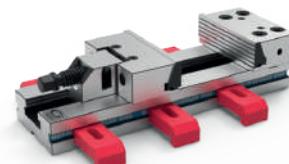
Fixed jaw with 5x5mm step matchable to the prismatic movable jaw (Art.217 to be ordered separately) which allows to clamp plates without parallels and round workpieces vertical & horizontal way. Vertical, sideway and gang operation are possible with the appropriate components (column, narrow width jaws,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


Art. 1

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

Slitline base con tutte le superfici di scorrimento ed accoppiamento rettificate. L'allineamento agli assi della macchina avviene grazie alle chiavette longitudinali e trasversali (16H7) o fori di posizionamento ($\varnothing 16\text{mm F7}$), 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 ($\varnothing 16\text{ mm F7}$), upon specific request, on the vise base. Of course this allows minimum of set up times and gang operations.



Staffe d'ancoraggio / Vise holding clamps

**NEW
2024**

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

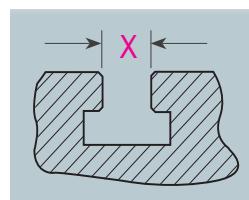
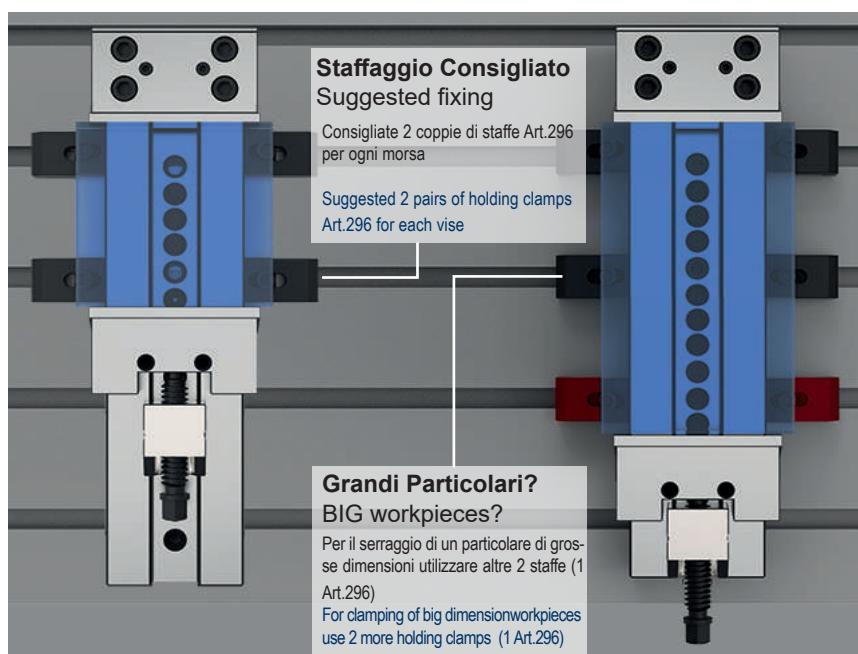


Esempio d'ordine per morsa tipo 3 su macchina con cava a T da 18mm: Art.296 T.3 X=18mm

Oppure con codice: 2.29.6300 X=18mm

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

Also with code: 2.29.6300 X=18mm

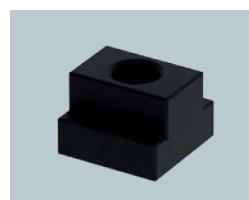


Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

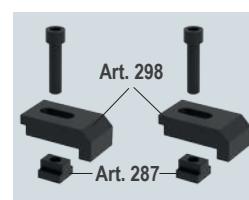


Art.287 (Pag.4.34)

Dadi a T - T Nuts

Per fissaggio morsa alle cave a T della macchina

For vise clamping on the machine T-slots



Art.296

(Art.298 + Art.287)

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

* Scelta consigliata - Suggested choice

* Scelta NON consigliata - NO Suggested choice

Soluzioni personalizzate / Customized solutions

Standard / StandardFLEX

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems



Morse StandardMatic

StandardMatic vises

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

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



Modularità & versatilità

Modularity & versatility

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

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



Morse modulari di precisione

Precision modular vises

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

Precision modular vises aligned for rather big workpiece clamping



Ganasce monoblocco guidate

Solid Guided jaws

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

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



Usura inesistente

No wear

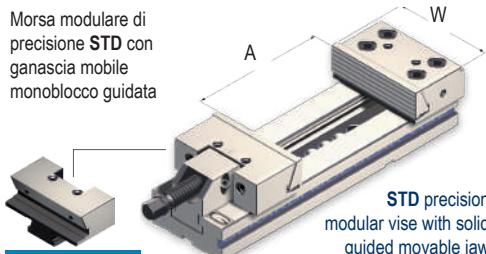
Costruzione in speciali leghe di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza 60 ±2 HRC

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

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4			
		16 kN	25 kN	25 kN	30 kN	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		

Art. 1

Morsa modulare di precisione STD con ganascia mobile monoblocco guidata


 STD precision modular vise with solid guided movable jaw
 Monoblock - Solid

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

 Parallelle magnetiche
 Magnetic parallel plates

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

Cod. 4.31.3100C 4.31.3200C 4.31.3300C 4.31.3400C

H 23 33 43 53

Art. 212

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


Cod. 1.21.21000 1.21.22000 1.21.23000 1.21.24000

Art. 217

 Ganascia mobile prismatica
 Prismatic movable jaw


Cod. 2.21.71000 2.21.72000 2.21.73000 2.21.74000

Art. 242G

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

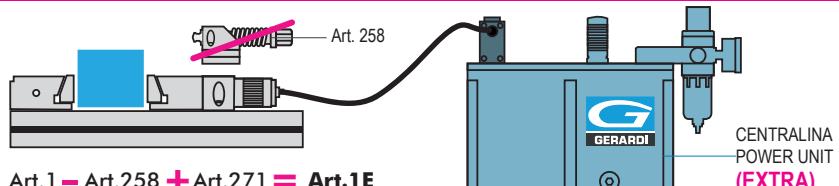

Cod. 1.24.2G100 1.24.2G200 1.24.2G300 1.24.2G400

Art. 1E
**NEW
2024**

 Morsa modulare StandardMatic
 con cilindro idraulico a
 SINGOLO effetto

 StandardMatic
 precision modular vise
 with SINGLE effect
 hydraulic cylinder

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

MORSE StandardMatic


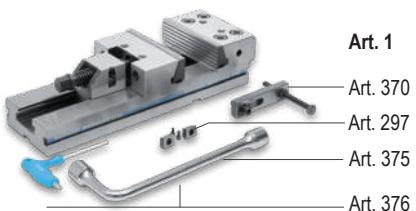
Art. 1 + Art. 258 + Art. 271 = Art. 1E

Dotazione standard:

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

Extra per ogni foro calibrato (toleranza F7) - MAN-010-STD

Extra per ogni chiaffetta (toleranza H7) - MAN-020-STD

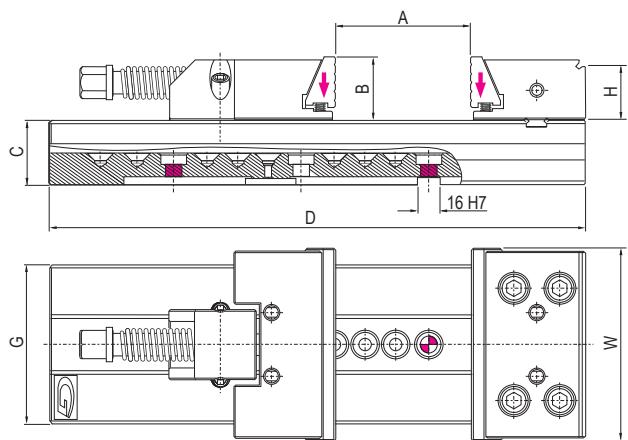


Standard equipment:

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

Extra charge for each calibrated hole (F7 tolerance) - MAN-010-STD

Extra charge for each calibrated key nut (H7 tolerance) - MAN-020-STD


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

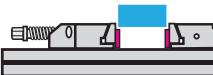
	5 40 kN					6 40 kN							
A	200	300	400	500	600	200	300	400	500	600	700	800	
W			200						300				
B			65						80				
C			70						78				
D	495	595	695	795	895	535	635	735	835	935	1035	1135	
G			170						195				
kg	64	69	74	79	84	95	105	115	125	135	145	155	
Cod.	3.05.20000	3.05.30000	3.05.40000	3.05.50000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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C

Art. 313

53



4.31.3600C

68

1.21.25000

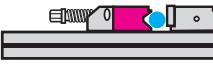
Art. 212



1.21.26000

Art. 217

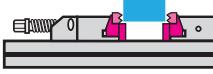
2.21.75000



2.21.76000

Art. 242G

1.24.2G500



1.24.2G600

Cod.

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

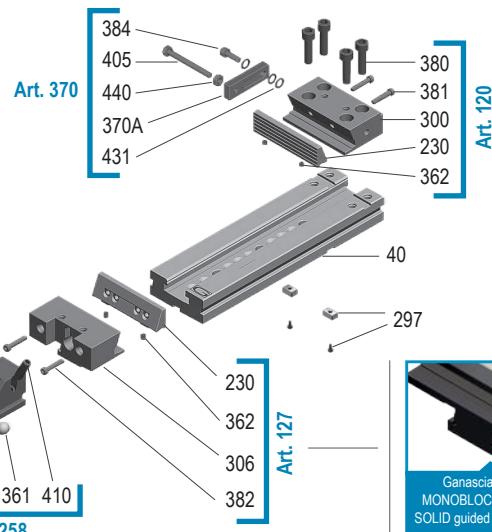
StandardMatic VISES



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)

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

Art. 1



Art. Pag.

40 1.24

230 4.9

282 4.36

297 4.34

300 4.29

306 4.29

360 4.36

361 4.36

362 4.28

370A 4.35

375 4.35

Art. Pag.

376 4.35

380 4.28

381 4.28

382 4.28

384 4.28

405 4.35

410 4.36

431 4.28

440 4.28

-

-

-

-

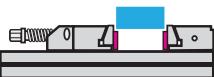
	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157
Cod.	1.1Z.52000	1.1Z.53000	1.1Z.54000	1.1Z.55000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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C

Art. 313

53

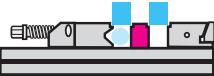


4.31.3600C

68

1.21.25000

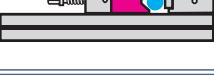
Art. 212



1.21.26000

Art. 217

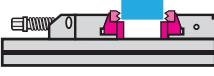
2.21.75000



2.21.76000

Art. 242G

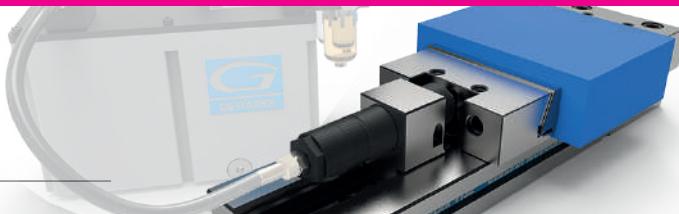
1.24.2G500



1.24.2G600

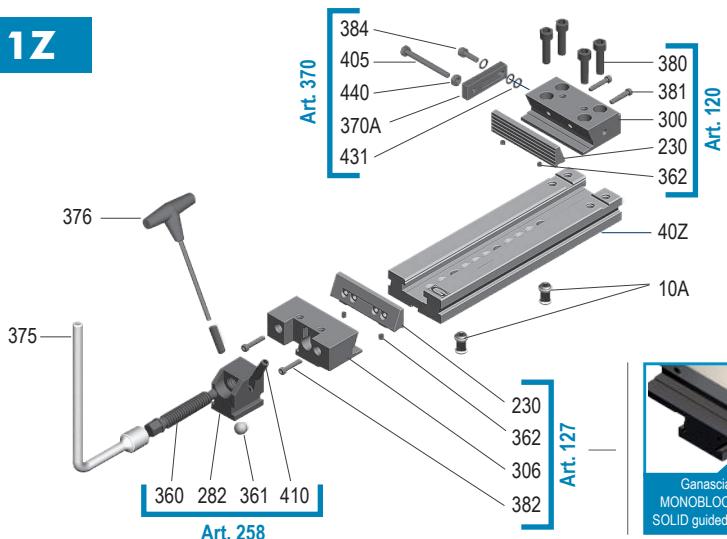
Cod.

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

StandardMatic VISES


Centralina Pneumoidraulica Art.393/394/395 (EXTRA)

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

Art. 1Z**Art.** **Pag.****10A** 9.31**40Z** 1.24**230** 4.9**282** 4.36**300** 4.29**306** 4.29**360** 4.36**361** 4.36**362** 4.28**370A** 4.35**375** 4.35**Art.** **Pag.****376** 4.35**380** 4.28**381** 4.28**382** 4.28**405** 4.35**410** 4.36**431** 4.28**440** 4.28**-** **-****-** **-**

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3R50C

Art. 313R

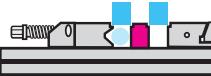
53



4.31.3R60C

68

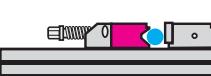
1.21.35000

Art. 213

1.21.36000

Art. 218

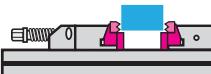
2.21.85000



2.21.86000

Art. 243G

1.24.3G500

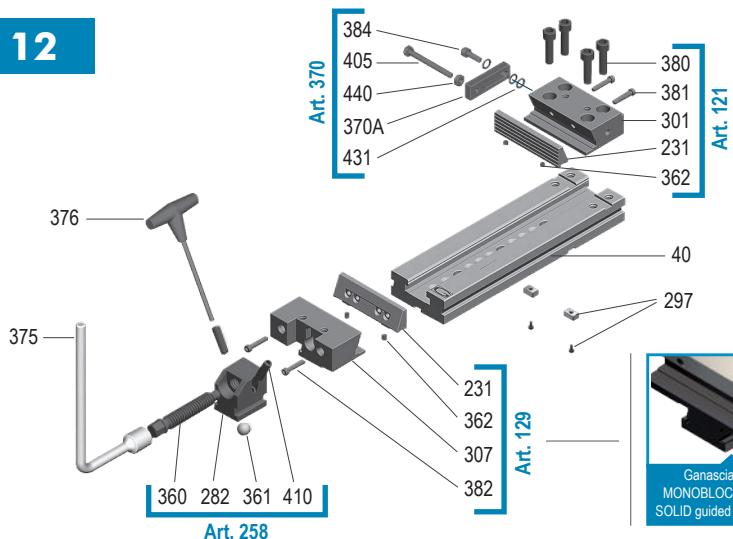


1.24.3G600

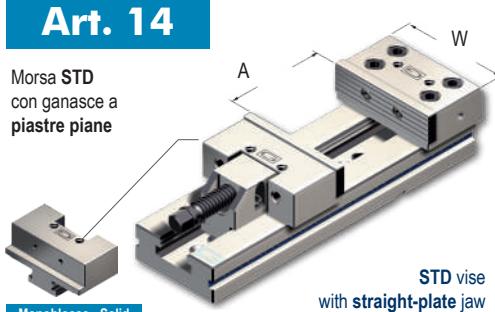
Cod.

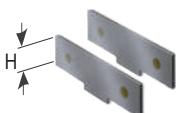
Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

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

Art. 12

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

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


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

 Parallelle magnetiche
 Magnetic parallel plates

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

Cod. 4.31.3100C 4.31.3200C 4.31.3300C 4.31.3400C

H 23 33 43 53

Art. 212

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


Cod. 1.21.21000 1.21.22000 1.21.23000 1.21.24000

Art. 246

 Piastra piana in acciaio lavorabile
 Machinable steel straight jaw plate

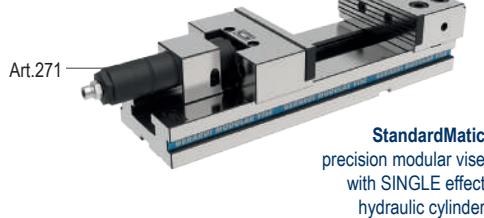

Cod. 1.65.16200 1.65.26200 1.65.36200 1.65.46200

Art. 246G

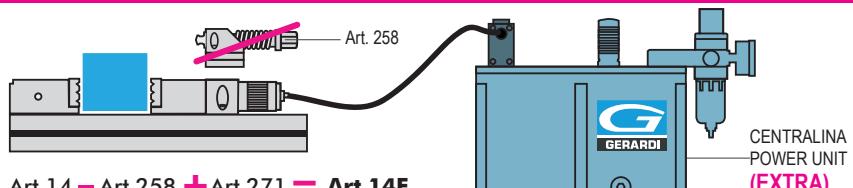
 Piastra ganascia con inserti GRIP
 completa di parallela magnetica
 Jaw plate with GRIP inserts with magnetic parallel


Cod. 1.24.6G100 1.24.6G200 1.24.6G300 1.24.6G400

Art. 14E
**NEW
2024**

 Morsa modulare StandardMatic
 con cilindro idraulico a
 SINGOLO effetto

 StandardMatic
 precision modular vise
 with SINGLE effect
 hydraulic cylinder

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

MORSE StandardMatic


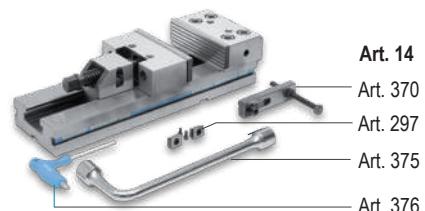
Art. 14 + Art. 258 + Art. 271 = Art. 14E

Dotazione standard:

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

Extra per ogni foro calibrato (toleranza F7) - MAN-010-STD

Extra per ogni chiodetto (toleranza H7) - MAN-020-STD

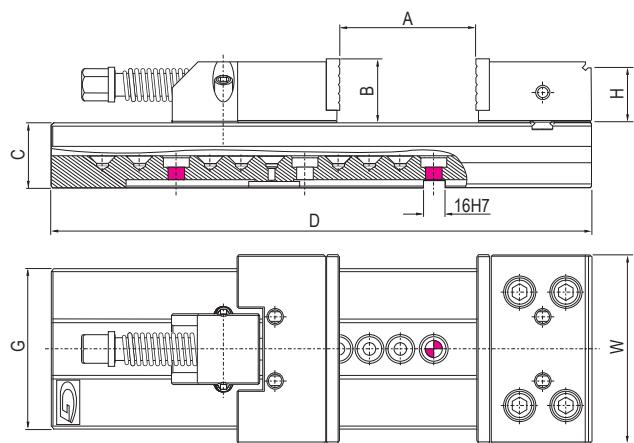


Standard equipment:

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

Extra charge for each calibrated hole (F7 tolerance) - MAN-010-STD

Extra charge for each calibrated key nut (F7 tolerance) - MAN-020-STD


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

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C

Art. 313

53



4.31.3600C

68

1.21.25000

Art. 212



1.21.26000

Art. 246

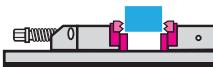
1.65.56200



1.65.66200

1.24.6G500

Art. 246G

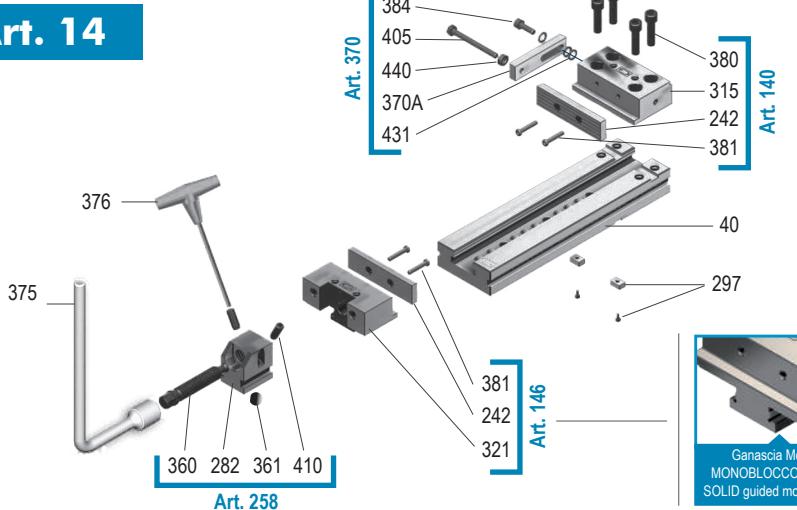


1.24.6G600

Cod.

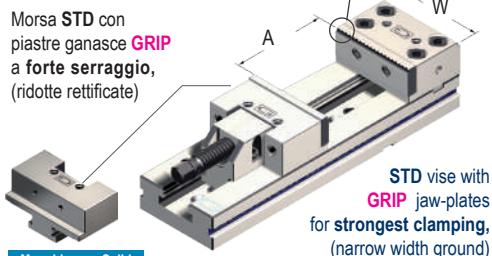
Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

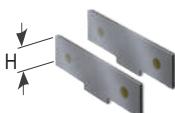
StandardMatic VISES

Art. 14


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

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

Art. 15

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

 Parallelle magnetiche
 Magnetic parallel plates

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

Cod. 4.31.3R10C 4.31.3R20C 4.31.3R30C 4.31.3R40C

H 23 33 43 53

Art. 247

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


Cod. 1.65.17200 1.65.27200 1.65.37200 1.65.47200

Art. 218

 Ganascia mobile prismatica
 Prismatic movable jaw

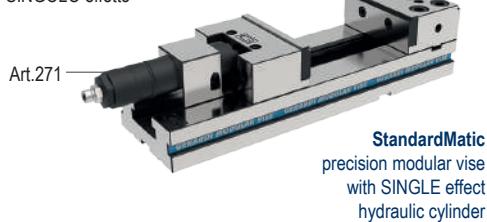

Cod. 2.21.81000 2.21.82000 2.21.83000 2.21.84000

Art. 247G

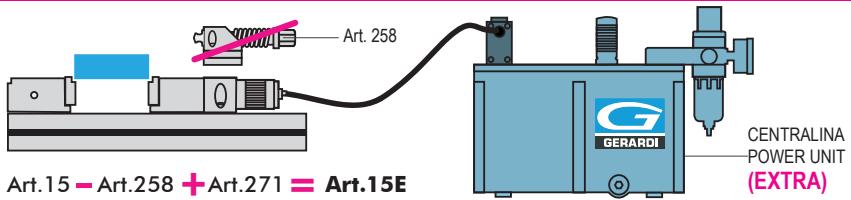
 Piastra ganascia ridotta con inserti GRIP completa di parallela magnetica
 Narrow width jaw plate with GRIP inserts with magnetic parallel


Cod. 1.24.7G100 1.24.7G200 1.24.7G300 1.24.7G400

Art. 15E
NEW 2024

 Morsa modulare StandardMatic
 con cilindro idraulico a
 SINGOLO effetto


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

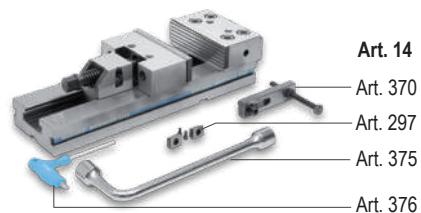
MORSE StandardMatic


Dotazione standard:

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

Extra per ogni foro calibrato (toleranza F7) - MAN-010-STD

Extra per ogni chiodetta (toleranza H7) - MAN-020-STD

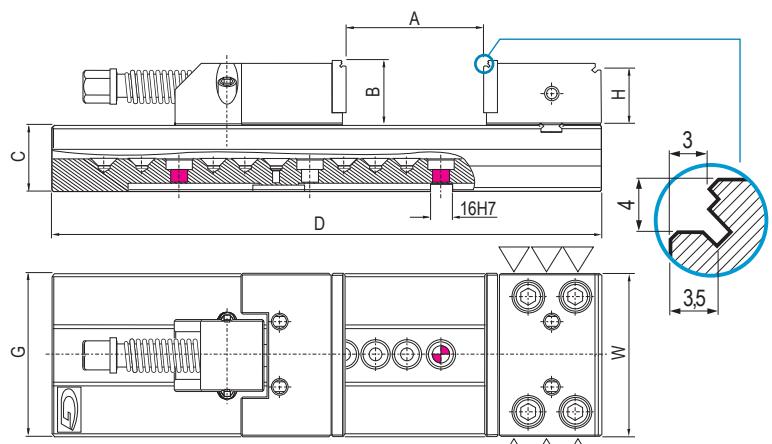


Standard equipment:

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

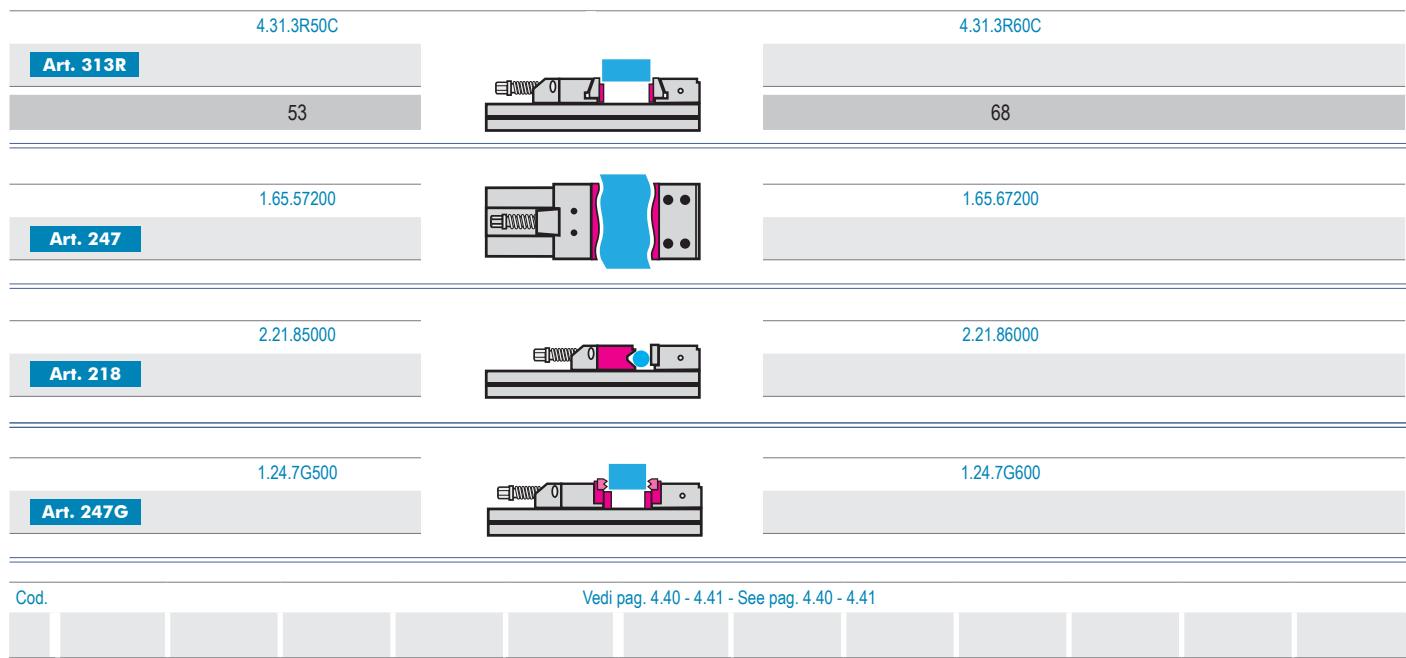
Extra charge for each calibrated hole (F7 tolerance) - MAN-010-STD

Extra charge for each calibrated key nut (H7 tolerance) - MAN-020-STD

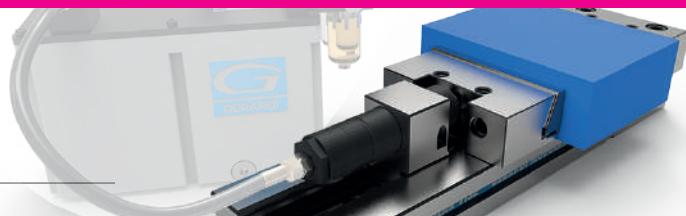

 Vedi gruppo 4 per gamma completa accessori
 See group 4 for complete range of accessories

	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 !

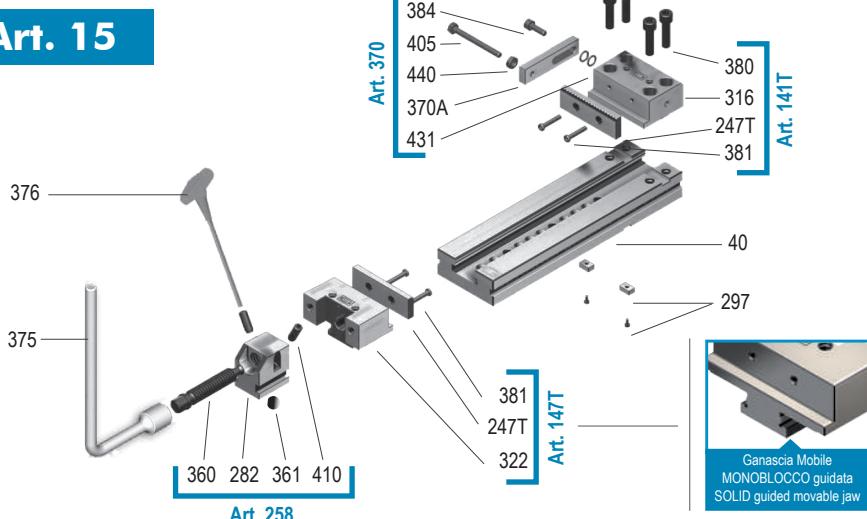


StandardMatic VISES



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

Art. 15



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

Morse e Cubi / Vises & Vise Towers StandardFLEX


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

 Durezza / Hardened
HRC 58±2
La morsa più evoluta!

The most recent vise!

CARATTERISTICHE & VANTAGGI

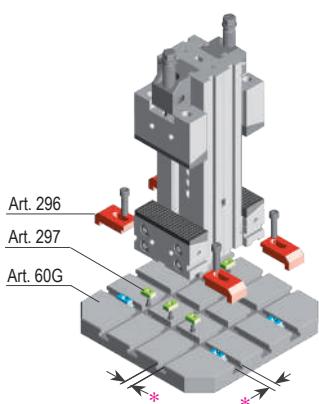
- ✓ USURA INESISTENTE
- ✓ RAPIDITÀ DEI SERRAGGI
- ✓ MODULARITÀ & VERSATILITÀ
- ✓ PRECISIONI $\pm 0,02$ mm
- ✓ RIGIDITÀ & SICUREZZA
- ✓ DESIGN COMPATTO E MANEGGEVOLEZZA

Si rimanda a quanto esposto a pag. 1.4 e 1.5

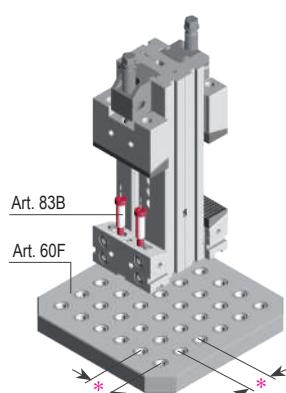
TECHNICAL FEATURES & ADVANTAGES

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

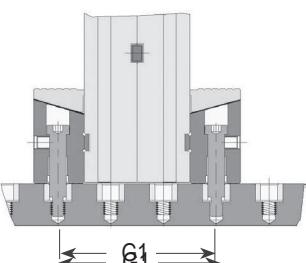
See pag. 1.4 and 1.5 (STANDARD series vises)



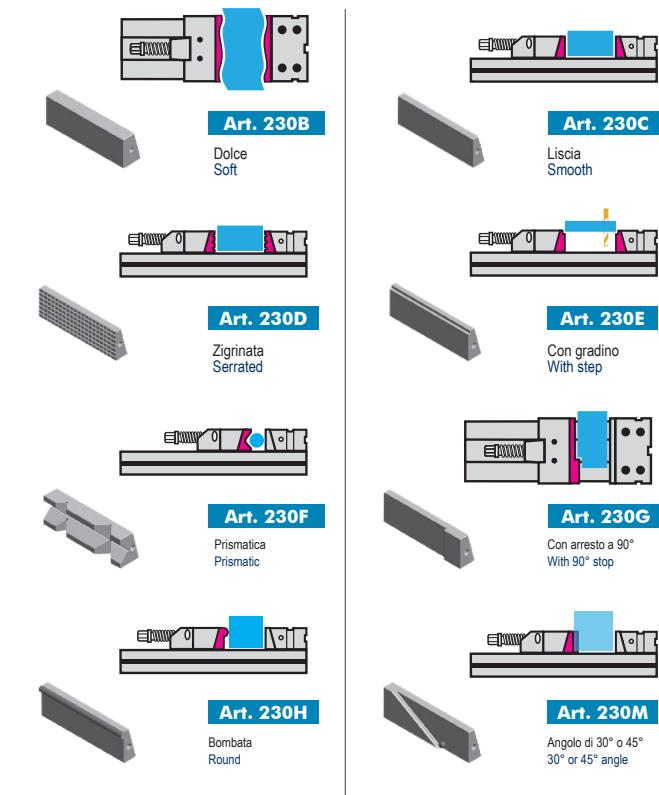
* Cava / T slot = 16 mm

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


* Passo / Pitch = 50 mm

 Ancoraggio e posizionamento su reticolato
 Grid clamping and positioning


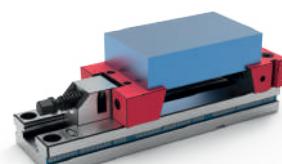
Tipo morsa Vise type	3	4	4	5
G1 mm	150	200	250	


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

Portapiastre
The Rack

 Completo di piastra 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

Coda di Rondine
Dove Tail


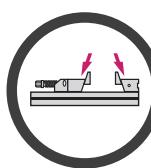
Rimuovendo le piastre ganasce è possibile sfruttare l'inclinazione a 15° del corpo per serrare il particolare, prelavorando la faccia inferiore del particolare ottenendo così un sistema ad incastro irreversibile.

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

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 ganascia, risulta migliorato anche l'effetto discendente che durante la fase di serraggio, trascina il pezzo contro lo slittone garantendo anche una notevolissima precisione di riposizionamento.

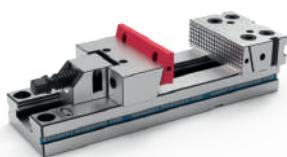
The GERARDI vises of the StandardFLEX series are an evolution of the Standard vise series. Their main characteristic is the quickest jaw plate hand substitution without any tool. This is possible thanks to the new design with pin with spring which increases the standard vise versatility while the prismatic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



SCAN IT TO WATCH THE



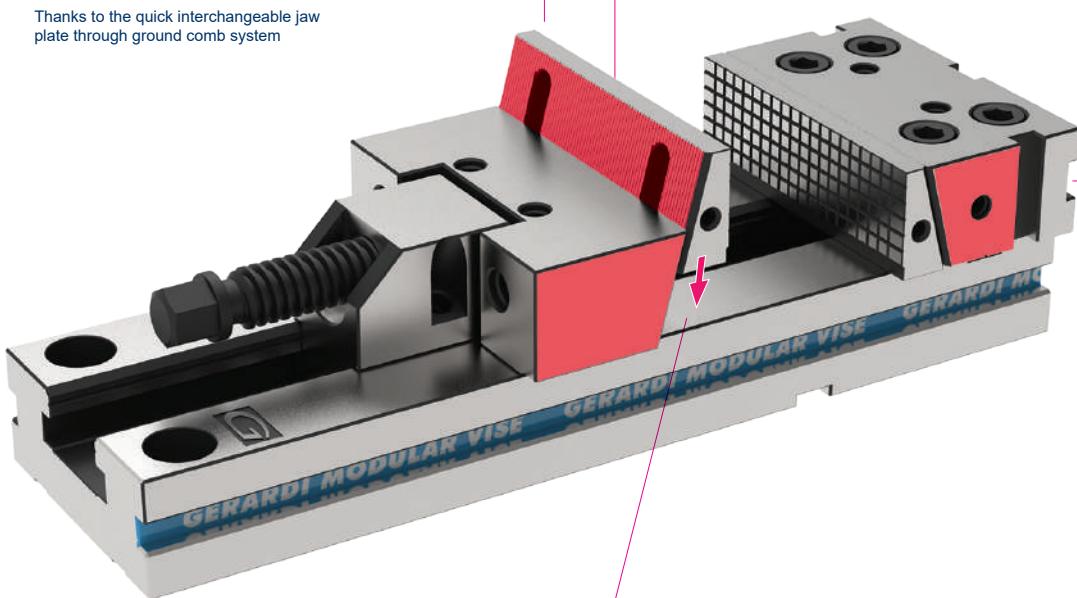
VIDEO PRESENTATION



Riconfigurazione Rapidissima Quickest Vise Resetting

Grazie alla piastra ganascia intercambiabile manualmente tramite sistema a pettine

Thanks to the quick interchangeable jaw plate through ground comb system



Altissima Ripetibilità di Posizionamento Highest Repositioning Accuracy ± 0,005mm



Veloce e preciso grazie alla forma rettificata del sistema a pettine
Quick and accurate jaw plate thanks the grid shape of the comb system

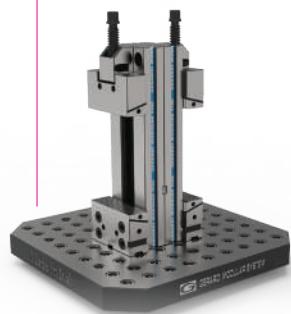
Effetto discendente Pull Down Action

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

Montaggio Verticale Vertical Mounting

Montaggio in verticale di due morse StandardFlex contrapposte su piani a reticolato Ø16mm



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

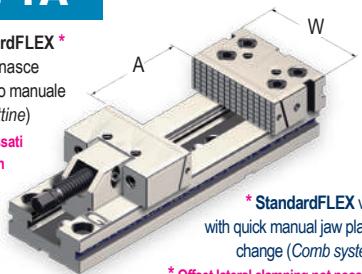


Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3	4			
		16 kN	25 kN	30 kN	30 kN	30 kN	400	500
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400
	W	96	121	146			171	
	B	28	38	48			58	
	C	35	40	50			58	
	D	270	345	420	520	455	555	655
	G	75	95	125			145	
	kg	6.8	12.9	25.5	29	37	42	52
	Cod.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

Art. 1A

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

* Serraggi disassati
lateralemente non
possibili.

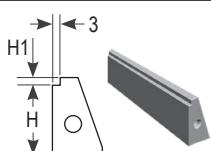


* StandardFLEX vise
with quick manual jaw plates
change (Comb system)

* Offset lateral clamping not possible

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

Piastra ganascia intercambiabile
Interchangeable jaw plate



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

Cod. 4.23.0E101 4.23.0E201 4.23.0E301

4.23.0E401

H 23 33 43

H1 5 5 5

53

5

Art. 212

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



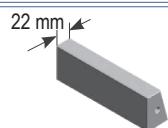
Intermediate movable jaw (to be used with Art. 230E)

Cod. 1.21.21000 1.21.22000 1.21.23000

1.21.24000

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod. 4.23.0B101 4.23.0B201 4.23.0B301

4.23.0B401

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate



Cod. 4.23.0F101 4.23.0F201 4.23.0F301

4.23.0F401

Art. 1AE

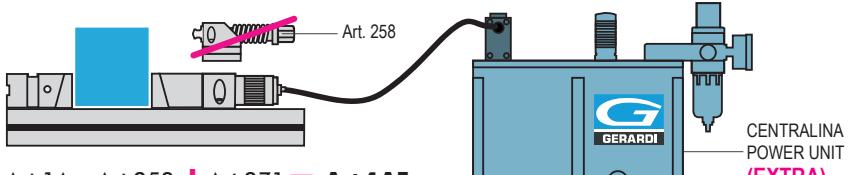
**NEW
2024**

Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto



StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

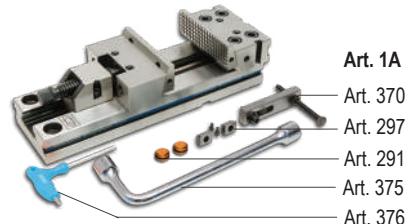
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic

Dotazione standard:

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

Fori rettificati e calibrati con tolleranza F7 già inclusi nel prezzo

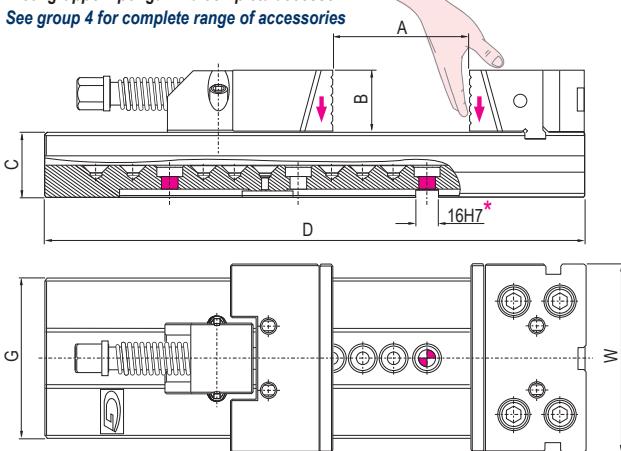


Standard equipment:

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

Ground calibrated holes F7 tolerance already included in the price

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



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

* Normal version: 16H7 slot and calibrated holes Ø8F7 (t.1) - Ø16F7 (t.2 - 3 - 4 - 5 - 6)

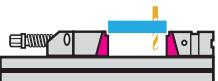
	5 40 kN					6 40 kN							
A	200	300	400	500	600	200	300	400	500	600	700	800	
W			196						296				
B				63						78			
C				70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135	
G			170							195			
kg	64	69	74	79	84	95	105	115	125	135	145	155	
Cod.	1.1A.52000	1.1A.53000	1.1A.54000	1.1A.55000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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501

Art. 230E

H	53
H1	10

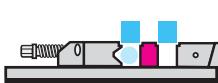


4.23.0E601

68
10

1.21.25000

Art. 212



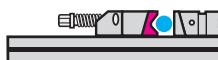
1.21.26000

Art. 230B



4.23.0B601

Art. 230F



4.23.0F601

Cod.

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

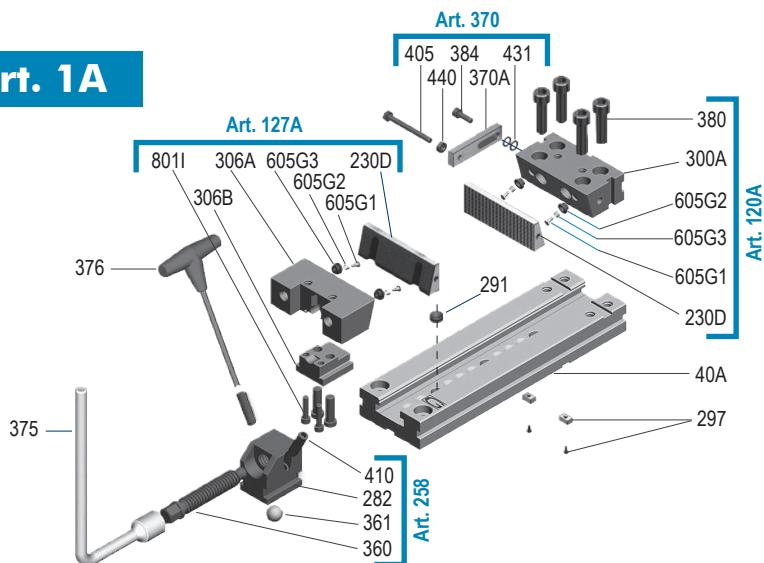
StandardMatic VISES



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)

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

Art. 1A



Art. **Pag.**

40A 1.24

230D 4.21

282 4.36

291 4.35

297 4.34

300A 4.30

306A 4.30

306B 4.30

360 4.36

361 4.36

370A 4.35

375 4.35

Art. **Pag.**

376 4.35

380 4.28

384 4.28

405 4.35

410 4.36

431 4.28

440 4.28

605G1 4.22

605G2 4.22

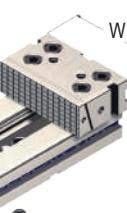
605G3 4.22

801I 5.61

- -



Tipo (grandezza) morsa / Vise type (size)	kN	1 *	2	3	4			
		16 kN	25 kN	30 kN	30 kN	30 kN	400	500
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400
Art. 1AZ	W	96	121	146			171	
Morsa StandardFLEX *	B	28	38	48			58	
per Zero Point con piastre ganasce a cambio rapido manuale	C	35	40	50			58	
* Serraggi disassati lateralmente non possibili.	D	270	345	420	520	455	555	655
	G	75	95	125			145	
	kg	7.3	13.2	26.2	29.7	37.9	43	48.1
	Cod.	1.1A.Z1000	1.1A.Z2000	1.1A.Z3200	1.1A.Z3300	1.1A.Z4200	1.1A.Z4300	1.1A.Z4400
								1.1A.Z4500



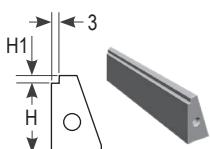
* StandardFLEX vise
for Zero Point System with
quick manual change jaw-plates

* Offset lateral clamping not possible

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 230E

Piastra ganascia intercambiabile
Interchangeable jaw plate



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

Cod. 4.23.0E101 4.23.0E201 4.23.0E301

4.23.0E401

H 23 33 43

53

H1 5 5 5

5

Art. 212

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



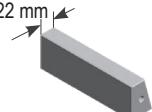
Intermediate movable jaw (to be used with Art. 230E)

Cod. 1.21.21000 1.21.22000 1.21.23000

1.21.24000

Art. 230B

Piastra ganascia intercambiabile dolce
Soft interchangeable jaw plate



Cod. 4.23.0B101 4.23.0B201 4.23.0B301

4.23.0B401

Art. 230F

Piastra ganascia intercambiabile prismatica
Prismatic interchangeable jaw plate



Cod. 4.23.0F101 4.23.0F201 4.23.0F301

4.23.0F401

Art. 1AZE

NEW
2024

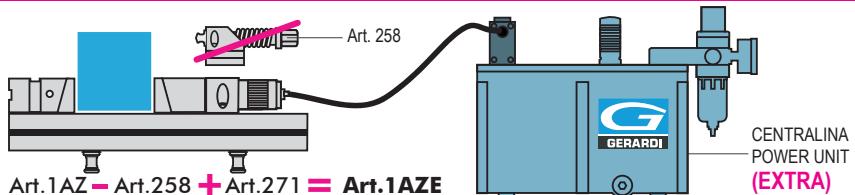
Morsa modulare StandardMatic
con cilindro idraulico a
SINGOLO effetto



StandardMatic
precision modular vise
with SINGLE effect
hydraulic cylinder

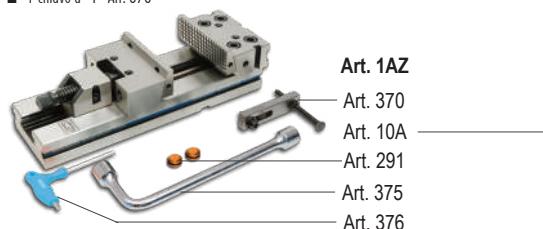
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic



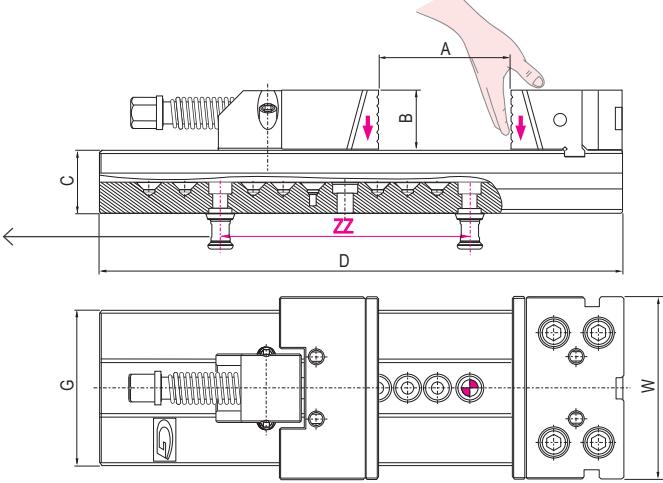
Dotazione standard:

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



Standard equipment:

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



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

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



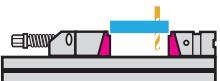
	5 40 kN					6 40 kN							
A	200	300	400	500	600	200	300	400	500	600	700	800	
W			196						296				
B				63						78			
C				70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135	
G			200						300				
kg	65.3	70.3	75.3	80.3	85.3	97	107	117	127	137	147	157	
Cod.	1.1A.Z5200	1.1A.Z5300	1.1A.Z5400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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501

Art. 230E

H	53
H1	10



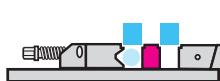
4.23.0E601

68

10

1.21.25000

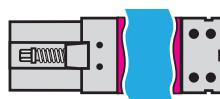
Art. 212



1.21.26000

4.23.0B501

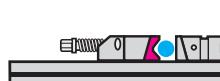
Art. 230B



4.23.0B601

4.23.0F501

Art. 230F



4.23.0F601

Cod.

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

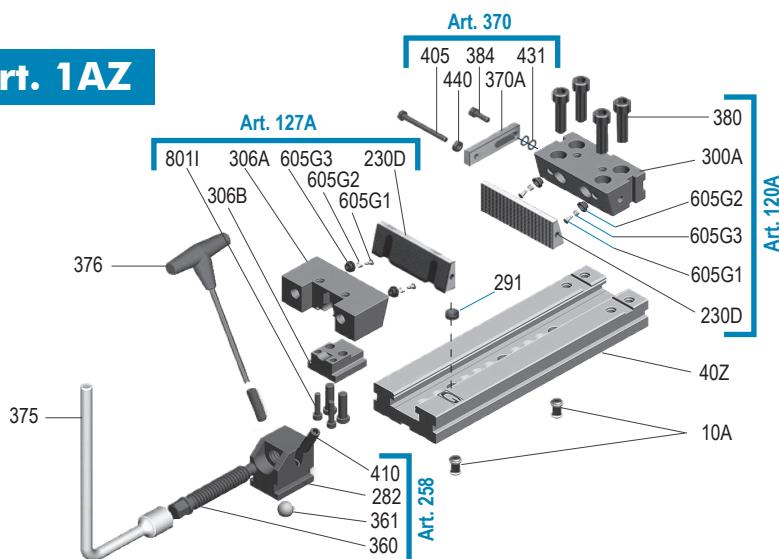
StandardMatic VISES



Centralina Pneumoidraulica Art.393/394/395 (EXTRA)

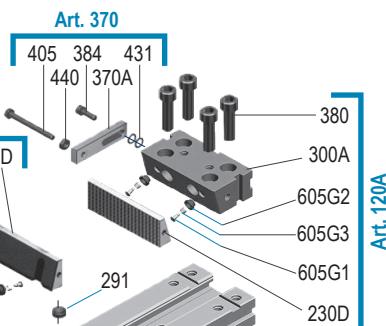
Pneumohydraulic Power Unit Art.393/394/395 (EXTRA)

Art. 1AZ



Art. 370

Art. 127A



Art. Pag.

Art. Pag.

10A 9.31

376 4.35

40Z 1.24

380 4.28

230D 4.21

384 4.28

282 4.36

405 4.35

291 4.35

410 4.36

300A 4.30

431 4.28

306A 4.30

440 4.28

306B 4.30

605G1 4.22

360 4.36

605G2 4.22

361 4.36

605G3 4.22

370A 4.35

8011 5.61

375 4.35

- -

Tipo (grandezza) / Type (size)
1 **2** **3** **4**
Art. 40

 Slittone base
serie STD senza
alcuna dotazione

 Vise base
STD series
supplied without any accessory

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

Versione normale: Cave da 16mm (H7) - Versione opzionale: Fori rettificati e calibrati con tolleranza F7 - Extra per ogni foro calibrato (toleranza F7) - MAN-010-STD:

Art. 40A

 Slittone base serie
StandardFLEX senza
alcuna dotazione

 Vise base
StandardFLEX series
supplied without any accessory

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

Art. 40Z

 Slittone base
serie Zero Point
senza alcuna
dotazione

 Vise base
Zero Point series
supplied without any accessory

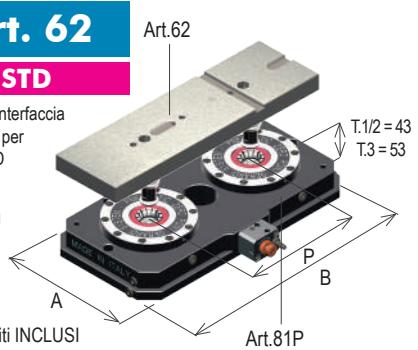
ZZ	150*	200	200	200	200	200	300	300
kg	4	8	15,5	19	21	25,5	30	35
Cod.	1.40.Z1000	1.40.Z2000	1.40.Z3200	1.40.Z3300	1.40.Z4200	1.40.Z4300	1.40.Z4400	1.40.Z4500

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

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

 Piastra di interfaccia
Zero Point per
morse STD

 Zero Point
connecting
plate for
STD vises

 Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED


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

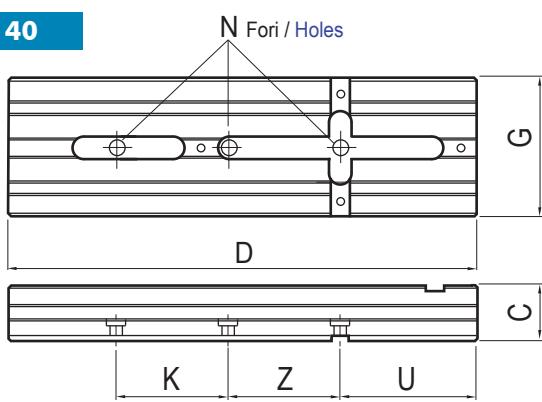
A	200	200	200	200	200	200	200	200
B	400	400	400	500	400	500	600	600
Art.	Tipo / 665							
P	200	200	200	250	200	250	200x2	200x2
kg	31	29	29	35	29	35	42	42

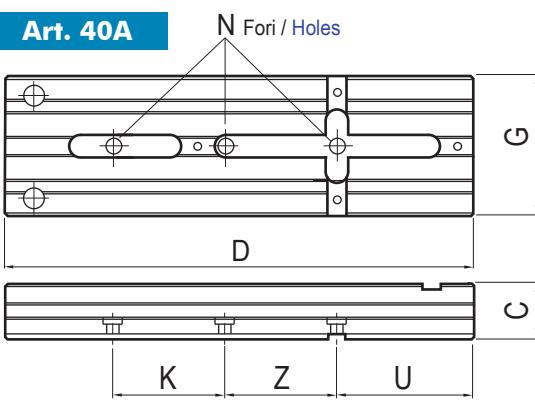
Cod.	9.81.P12040S2	9.81.P2040S2	9.81.P2040S2	9.81.P2050S2	9.81.P2040S2	9.81.P2050S2	9.81.P2060S3	9.81.P2060S3

Art. 81P

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

Art.	Tipo / 665							
P	200	200	200	250	200	250	200x2	200x2
kg	31	29	29	35	29	35	42	42

Art. 40

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

Art. 40A

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

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

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

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

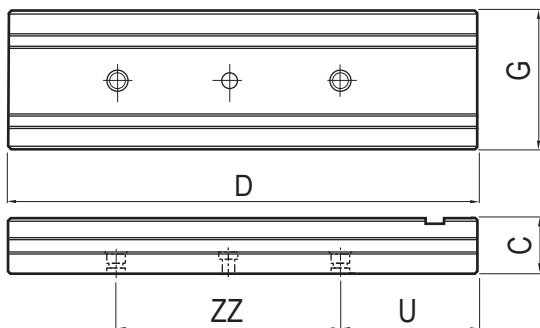
ZZ	200	200	300	300	300	300	300	300	300	300	300x2	300x2
kg	33	40	46	53	59	47	56	65	74	83	91	100
Cod.	1.40.Z5200	1.40.Z5300	1.40.Z5400	1.40.Z5500	1.40.Z5600	1.40.Z6200	1.40.Z6300	1.40.Z6400	1.40.Z6500	1.40.Z6600	1.40.Z6700	1.40.Z6800

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

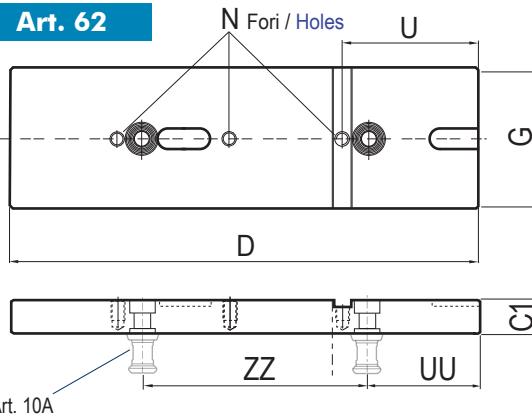
ZERO POINT CONNECTING PLATES FOR STD VISES

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

Art. 40Z


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

Art. 62



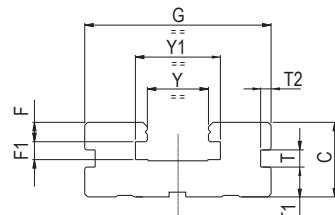
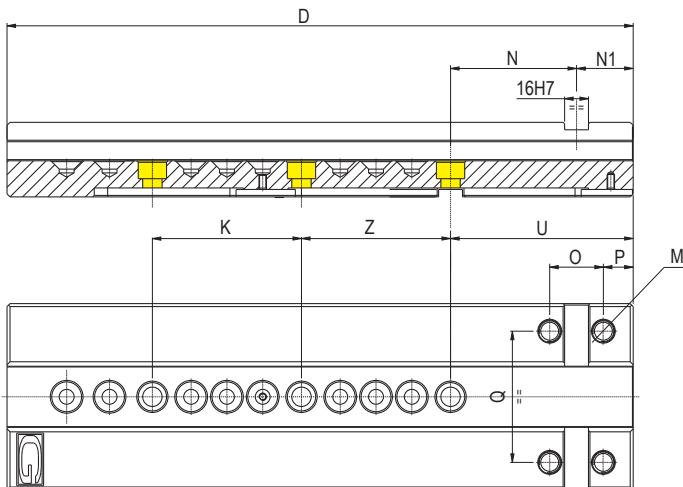
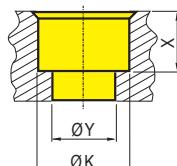
Tipo (grandezza) morsa / Vise type (size)
1
2
3
4

Tolleranza / Tolerance

- 0,02	C	35	40	50			58		
-	D	270	345	420	520	455	555	655	755
- 0,02	F	10	12	13			15		
+ 0,02	F1	10	10	12			18		
- 0,02	G	75	95	125			145		
+ 0,02	Y	21	28	41			51		
-	Y1	31	41	57			70		
-	M	M10	M12	M14			M16		
-	N	76	76	84,5			89		
-	N1	35	35	38			40		
-	O	32	32	36			36		
-	P	19	19	20			22		
-	Q	50	62	88			100		
-	T	9,5	9,5	11,5			11,5		
-	T1	15	15	20			20		
-	T2	5	5	7			7		
-	U	111	111	122,5			129		
-	U1	111	111	122,5	129			229	
-	K	-	-	100			100		
-	Z	100	100	100			100		

Art. 40

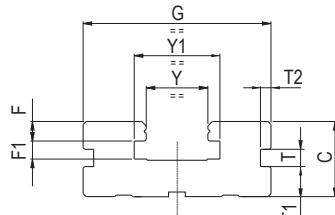
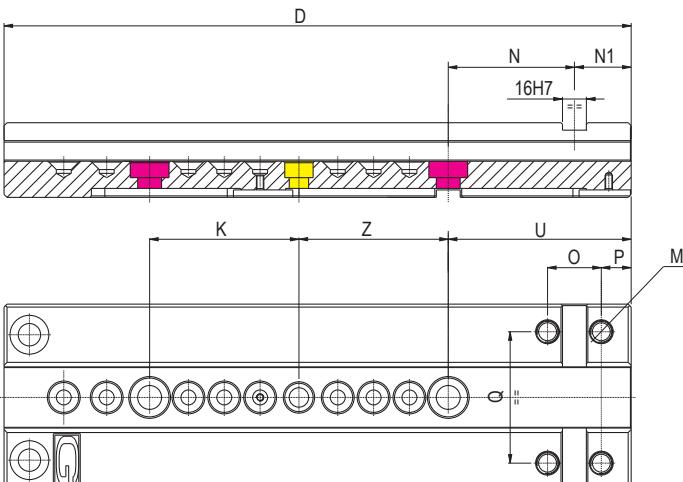
Slittone base serie STD / Vise base STD series


Dettaglio foro per vite TCEI / TCEI screw hole details


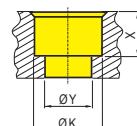
Type	1	2	3	4	5	6
X	4,5	5,5	12,5	12,5	17	17
Ø Y	6,5	8,5	13	13	17	17
Ø K	10,5	13,5	19	19	26	26

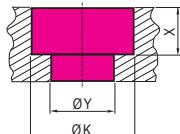
Art. 40A

Slittone base serie StandardFLEX / Vise base StandardFLEX series


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

Type	3
X	8
Ø Y	13
Ø K	19


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

Dettaglio foro per vite calibrata / Calibrated screw hole details


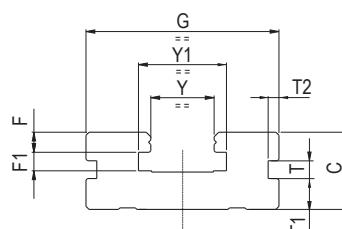
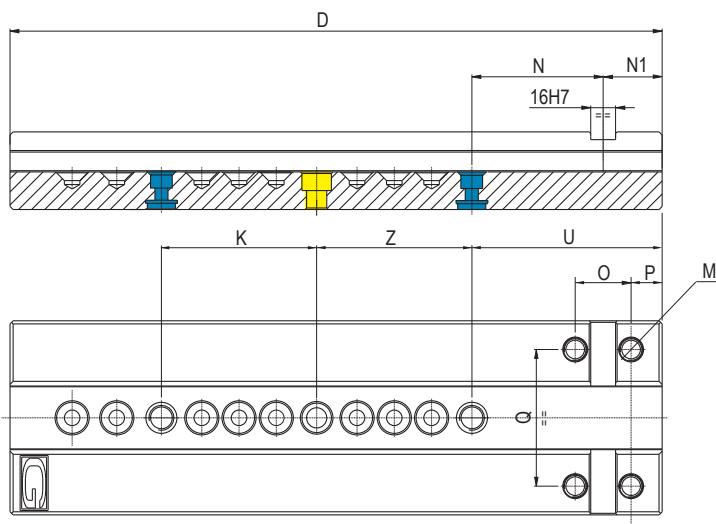
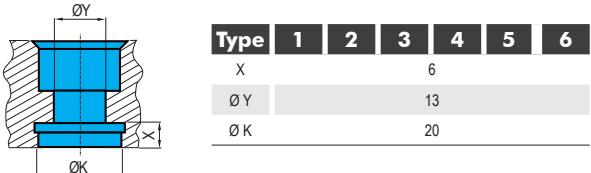
Type	1	2	3	4	5	6
X	4,5	5,5	8	11		
Ø Y	8F7	16F7	16		16F7	
Ø K	13,5	21	21		25	

5
6

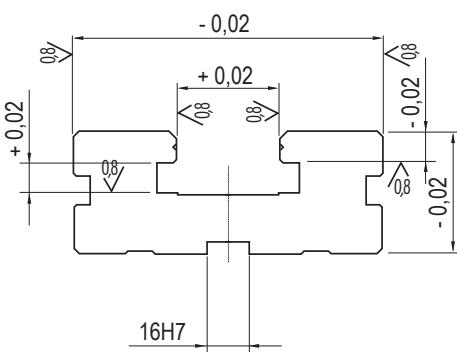
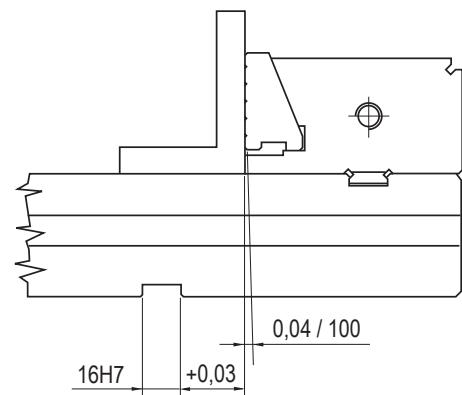
C	70				78		
D		535	635	735	835	935	1035
F	20				20		
F1	18				18		
G	170				195		
Y	61				71		
Y1	80				91		
M	M20				M20		
N	100				107		
N1	45				45		
O	44				44		
P	23				23		
Q	120				133		
T	17,5				17,5		
T1	26				26		
T2	10				10		
U	145				152		
U1	145	245		152		252	152
K	100				100		
Z	100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

Art. 40Z

Slittone base serie ZERO POINT / Vise base ZERO POINT series


Dettaglio foro per Zero Point / Zero Point hole details


Tolleranze generiche per morse XL / XL vise generic tolerances



Tipo (grandezza) morsa / Vise type (size)

	kN	1 16 kN	
A	80	130	
W	100		
B	30		
D	250	300	
E	300	350	
G	75		
G1	120		
J	77,9		
L	300		
M	33		
N	85		
kg	37	42	
Cod.	3.70.00801	3.70.01301	

Art. 700

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

Dotazione standard:

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

Standard equipment:

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

Art. 828A (extra)

Tipo (grandezza) morsa / Vise type (size)

	kN	1 16 kN	
A	100		
D	270 *		
E	320		
P	75 *		
kg	10		
Cod.	1.75.01000		

Art. 750

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

Dotazione standard:

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

Standard equipment:

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

Art. 828A (extra)

Dotazione standard:

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

Standard equipment:

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

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

* Altre dimensioni a richiesta / Other dimensions on request

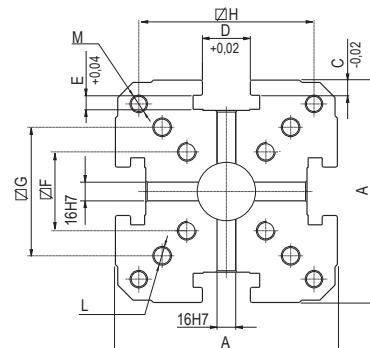
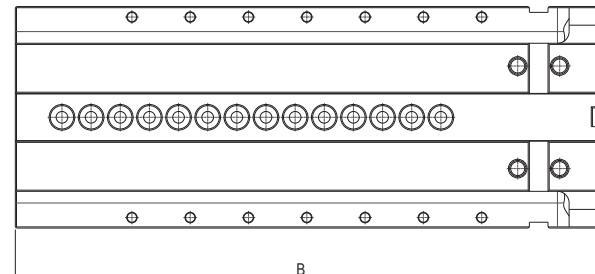
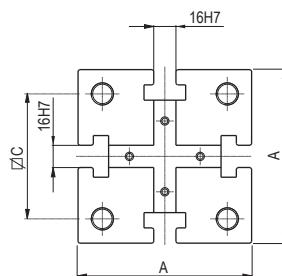
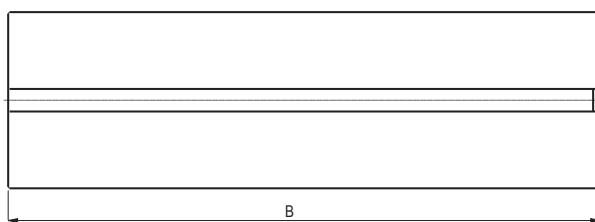
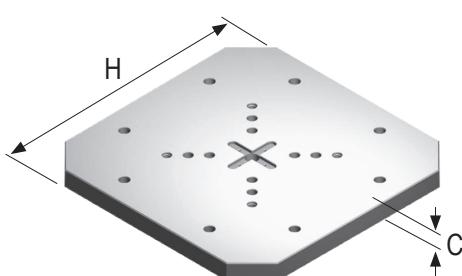
	2 25 kN		3 30 kN			4 30 kN				5 40 kN			6 40 kN		
A	150	200	300	200	300	400	500	200	300	400	300	400	500		
D	345 *	420	520	455	555	655	755	495	595	695	635	735	835		
E	345	450	550	455				-				-			
P	95 *	125		145			170				195				
kg	19	46		68				98				145			
Cod.	1.75.02000	1.75.03200	1.75.03300	1.75.04200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

* Altre dimensioni a richiesta / Other dimensions on request



** Montaggio e allineamento ESCLUSI
Mounting and alignment EXCLUDED



1
Tipo (grandezza) / Type (size)**Art. 701**Senza alcuna dotazione
Without accessory equipment**Art. 701**Corpo slittone standard
Body for standard vise tower**Tipo (grandezza) / Type (size)****Art. 450**Senza alcuna dotazione
Without accessory equipment**Art. 450**Supporto centrale per montaggio morse
modulari standard in verticale. Dolce.
Center support for vertical arrangement of standard
modular vises. Soft.**Tipo (grandezza) / Type (size)****Art. 828A****STD**Piastra base per cubo-morsa personalizzata
(Bussola di centraggio Art. 852 compresa)
Head plate for vise-tower tailor made
(Centering bushing Art. 852 included)

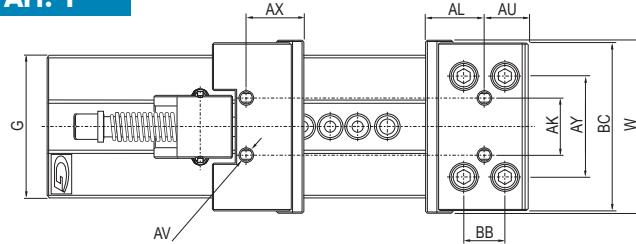
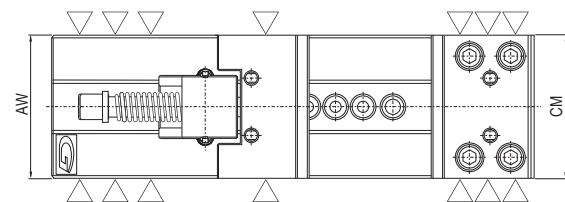
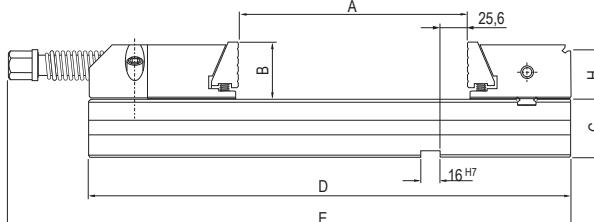
	1		2		3			4				5	6
A	120		160		190			200				*	*
B	250	300	350	400	400	500	600	400	500	600	700	*	*
C	10		12		13			15				20	20
D	21		28		41			51				61	71
E	10		10		12			18				18	18
F	40		54		70			80				80	
G	70		84		110			134				134	
H	-		120		150			200				210	
L	M12		M16		M16			M20				M20	*
M	-		Ø 13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

* A richiesta / On request

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

* A richiesta / On request

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

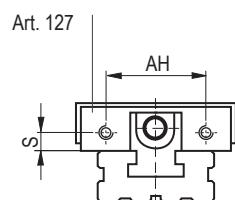
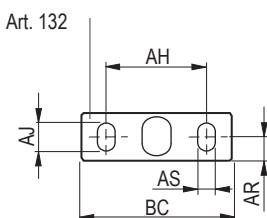
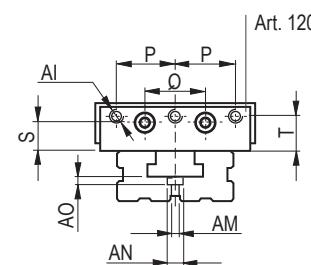
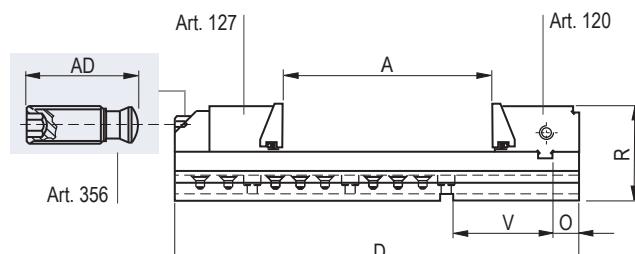
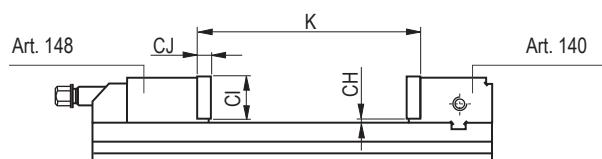
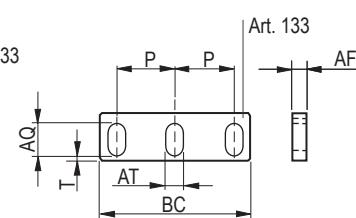
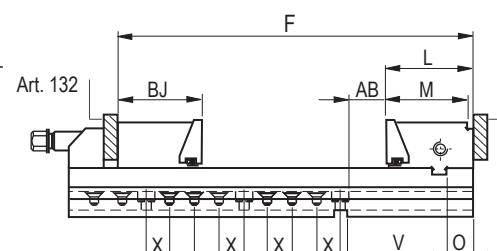
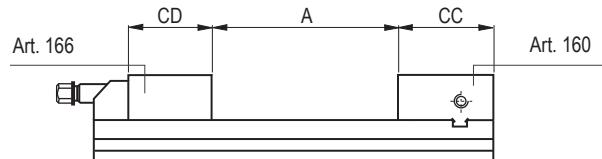
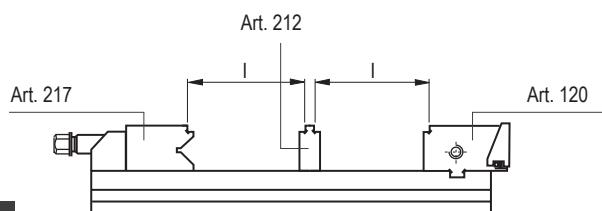
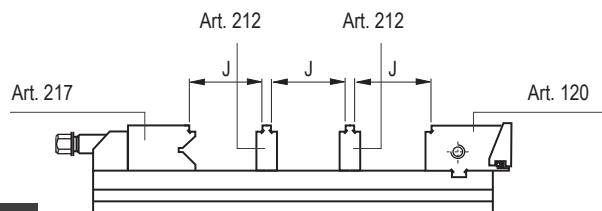
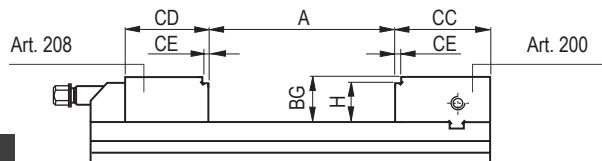
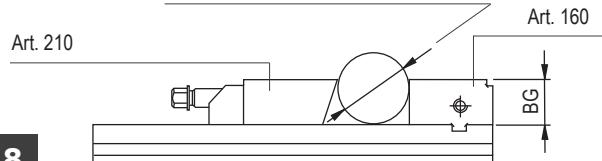
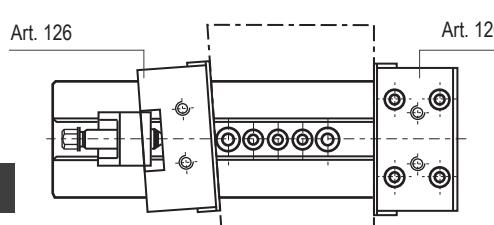
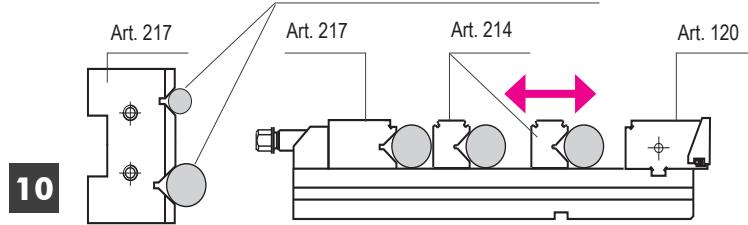
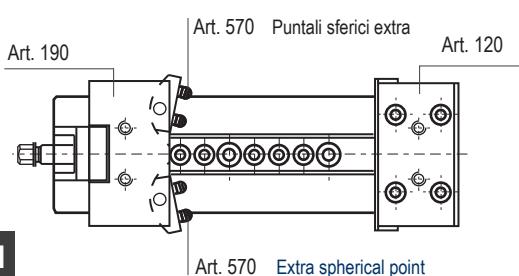
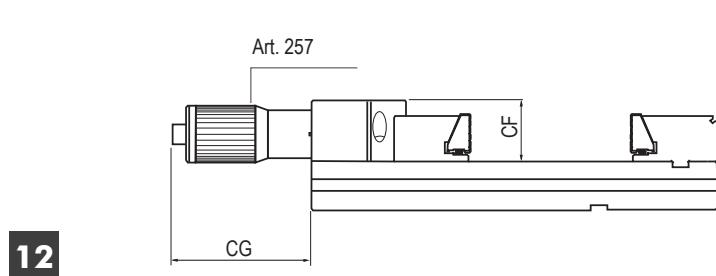
Art. 1

Art. 12

Art. 1 + 12


Tipo (grandezza) morsa / Vise type (size)

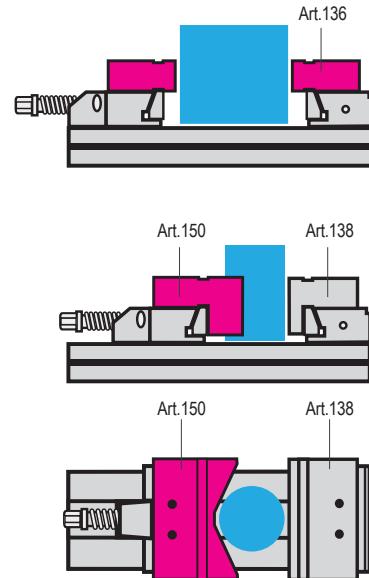
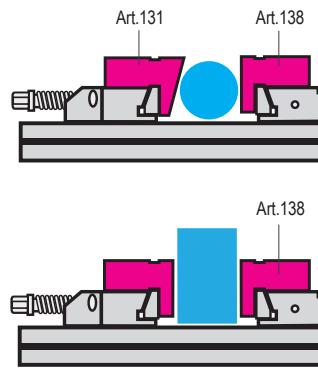
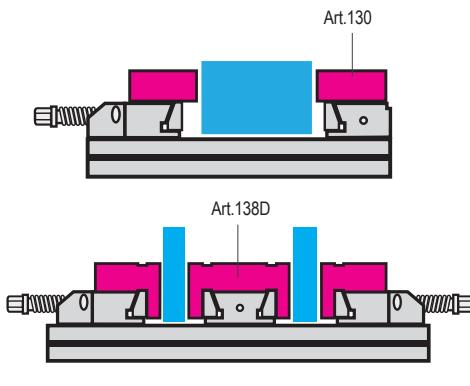
Tabella dimensionale / Table dimension

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

mm	1	2	3	4	5	6	Tolleranza Tolerance	mm	1	2	3	4	5	6	Tolleranza Tolerance	
L	54	77.9	89.4	96.9	113.4	120.4	- 0.04	AO	4.5	5.5	12.5	12.5	17	17		
M	72.9	72.9	84.4	91.9	108.4	115.4	- 0.04	AP	15	15	20	20	26	26		
N	10	10	12	18	18	18	+ 0.02	AQ	16	18	26	26	29	30		
O	27	27	30	32	37	37	± 0.02	AR	18	24	26	34	31	38		
P	38	50	62	72.5	83	120		AS	11	17	17	17	21	21		
R	65	80	100	118	135	158		AT	11	11	13	13	13	17		
S	18	23	29	37.5	37.5	47.5		AU	35.5	35.5	38.5	41.5	47	47		
T	16	20.5	27.5	36.5	34	46		AV	M8	M10	M12	M12	M16	M16		
U	111	111	122.5	129	145	152		AW	75	95	125	145	170	195		
V	76	76	84.5	89	100	107	± 0.02	AX	20	23	28	28	34	38		
W	-	-	100	100	100	100		AY	50	62	88	100	120	133		
X	20	25	25	25	33.33	33.33		AZ	M10	M12	M14	M16	M20	M20		
Y	21	28	41	51	61	71	+ 0.02	BB	32	32	36	36	44	44		
Z	100	100	100	100	100	100		BC	96	121	146	171	196	296		
AA	10	12	13	15	20	20	- 0.02	BG	28	38	48	58	63	78		
AB	25.6	25.6	25.6	25.6	25.6	25.6	+ 0.02	BJ	50	60	80	90	100	120		
AC	31	41	57	70	80	90		BL	180	225	290	320	370	400		
AD	53	73	81	101	113	135		BM	9.5	9.5	11.5	11.5	17.5	17.5		
AF	13	18	18	18	18	18		CC	77	77	88.5	96	112	117		
AG	M10	M16	M16	M16	M20	M20		CD	48	58	78	88	98	117		
AH	62	80	90	116	138	184		CE	5	5	5	5	5	5		
AI	M10	M10	M12	M12	M12	M12		CF	-	-	64	64	71	-		
AJ	14	19	24	29	31.5	39		CG	-	-	100	100	128	-		
AK	38	38	50	50	76	240		CH	5.5	8	11	17	17	24		
AX	25.6	42.4	50.1	55.4	66.4	73.4		CI	24.5	32	39	43	48	56		
AL	42.4	42.4	50.9	55.4	66.4	73.4		CJ	12	12	13	13	18	18		
AM	4.5	5.5	12.5	12.5	17	17		CM	75	95	125	145	170	195		
AN	10	13	19	19	25	25										


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Ø = Vedi pag. 4.18 - 4.24 / Ø = See pag. 4.18 - 4.24
Ø = Vedi pag. 4.24 / Ø = See pag. 4.24

Tipo (grandezza) / Type (size)	1	2	3	4	5	6
Ganascia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable	Cod. Art. 130 2.13.01000	2.13.02000	2.13.03000	2.13.04000	2.13.05000	2.13.06000
Art. 130* Art. 130S*		Cad / Each				
Extra large / Extra width	Cod. Art. 130S 2.13.0S100	2.13.0S200	2.13.0S300	2.13.0S400	2.13.0S500	2.13.0S600
* Viti per fissaggio a richiesta Fixing screws on request						
Ganascia sovrapponibile per pezzi tondi fissa o mobile Stack-type jaw round parts fixed or movable	Cod. Art. 131 2.13.11000	2.13.12000	2.13.13000	2.13.14000	2.13.15000	2.13.16000
Art. 131* Art. 131S*		Cod. Art. 131A 2.13.1A100	2.13.1A200	2.13.1A300	2.13.1A400	2.13.1A500
Larghezza normale / Normal width	Cod. Art. 131S 2.13.1S100	2.13.1S200	2.13.1S300	2.13.1S400	2.13.1S500	2.13.1S600
Art. 131A* Art. 131AS* W2		Cod. Art. 131AS 2.13.1AS10	2.13.1AS20	2.13.1AS30	2.13.1AS40	2.13.1AS50
Larghezza super ridotta / Super narrow width	* Viti per fissaggio a richiesta Fixing screws on request	Cad / Each				
Ganascia piana sovrapponibile fissa o mobile Straight stack-type jaw fixed or movable	Cod. Art. 136 2.13.61000	2.13.62000	2.13.63000	2.13.64000	2.13.65000	2.13.66000
Art. 136* Art. 136S*		Cod. Art. 137 2.13.71000	2.13.72000	2.13.73000	2.13.74000	2.13.75000
Larghezza normale / Normal width	Cod. Art. 136S 2.13.6S100	2.13.6S200	2.13.6S300	2.13.6S400	2.13.6S500	2.13.6S600
Art. 137* Art. 137S*		Cod. Art. 137S 2.13.7S100	2.13.7S200	2.13.7S300	2.13.7S400	2.13.7S500
Larghezza super ridotta / Super narrow width	* Viti per fissaggio a richiesta Fixing screws on request	Cad / Each				
Ganascia a quadra sovrapponibile fissa o mobile Square stack-type jaw fixed or movable	Cod. Art. 138 2.13.81000	2.13.82000	2.13.83000	2.13.84000	2.13.85000	2.13.86000
Art. 138* Art. 138S*		Cod. Art. 139 2.13.91000	2.13.92000	2.13.93000	2.13.94000	2.13.95000
Larghezza normale / Normal width	Cod. Art. 138S 2.13.8S100	2.13.8S200	2.13.8S300	2.13.8S400	2.13.8S500	2.13.8S600
Art. 139* Art. 139S*		Cod. Art. 139S 2.13.9S100	2.13.9S200	2.13.9S300	2.13.9S400	2.13.9S500
Larghezza super ridotta / Super narrow width	* Viti per fissaggio a richiesta Fixing screws on request	Cad / Each				
Ganascia a quadra sovrapponibile doppia Double square jaw stack-type	Cod. Art. 138D 2.13.8D100	2.13.8D200	2.13.8D300	2.13.8D400	2.13.8D500	2.13.8D600
Art. 138D* Art. 138DS*		Cod. Art. 139D 2.13.9D100	2.13.9D200	2.13.9D300	2.13.9D400	2.13.9D500
Larghezza normale / Normal width	Cod. Art. 138DS 2.13.8DS10	2.13.8DS20	2.13.8DS30	2.13.8DS40	2.13.8DS50	2.13.8DS60
Art. 139D* Art. 139DS*		Cod. Art. 139DS 2.13.9DS10	2.13.9DS20	2.13.9DS30	2.13.9DS40	2.13.9DS50
Larghezza super ridotta / Super narrow width	* Viti per fissaggio a richiesta Fixing screws on request	Cad / Each				
Ganascia prismatica sovrapponibile fissa o mobile Stack-type prismatic jaw fixed or movable	Cod. Art. 150 1.15.01000	1.15.02000	1.15.03000	1.15.04000	1.15.05000	1.15.06000
Art. 150* Art. 150S*		Cod. Art. 150A 1.15.0A100	1.15.0A200	1.15.0A300	1.15.0A400	1.15.0A500
Larghezza normale / Normal width	Cod. Art. 150S 1.15.0S100	1.15.0S200	1.15.0S300	1.15.0S400	1.15.0S500	1.15.0S600
Art. 150A* Art. 150AS*		Cod. Art. 150AS 1.15.0AS10	1.15.0AS20	1.15.0AS30	1.15.0AS40	1.15.0AS50
Larghezza super ridotta / Super narrow width	* Viti per fissaggio a richiesta Fixing screws on request	Cad / Each				

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

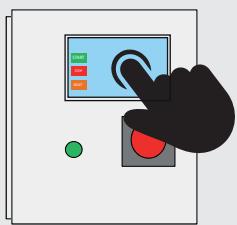
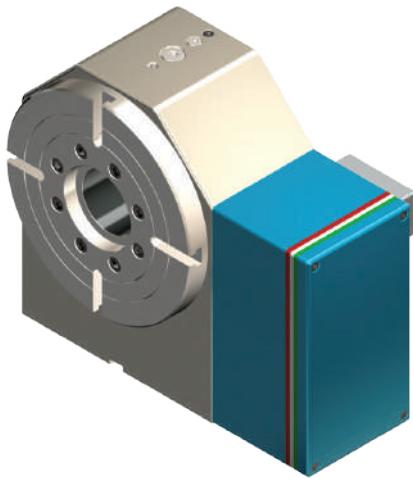
Tipo (grandezza) morsa / Vise type (size)	mm	1	2	3	4	5	6
Art. 130 Temprate o in acciaio lavorabile Hardened or soft	C	32	42	52	62	67	82
	D	84	84	105	130	130	150
	E	80	88	105	110	130	135
	F	57	70	90	110	128	150
	G	110	110	162	171	192,8	190
	I	95	95	123	136	170	206
	BD	32	42	52	62	72	82
Art. 136/137 Temprate o in acciaio lavorabile Hardened or soft	BF	80	84	105	120	128	135
	BY	200	250	300	350	400	600
	P	84	120	120	140	175	206
Art. 138/139 Temprate o in acciaio lavorabile Hardened or soft	R	60	78	90	110	128	150
	W	96	121	146	171	196	296
	W2	74	94	124	144	169	194
	Q	30	30	30	30	30	30
Art. 138D/139D Temprate o in acciaio lavorabile Hardened or soft							
	Art. 131/131A Temprate o in acciaio lavorabile Hardened or soft	G	B				
		Ø02 Min	I				
		Ø02 Max	C				
		O2 = Ø max - Ø min					
	Art. 131	Ø2 min	33	43	49	60	70
		Ø2 max		100	130	160	180
							220
Art. 150/150A Temprate o in acciaio lavorabile Hardened or soft	Art. 130	Ø1 min	24,5	32,5	35,5	38,5	51
	Art. 138	Ø1 max	89	111	244	274	375,5
		O1 = Ø max - Ø min					536
		P					

DIVISORE AUTOMATICO DPG 250

AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

DPG 250



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

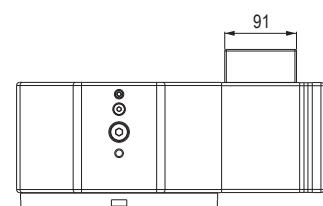
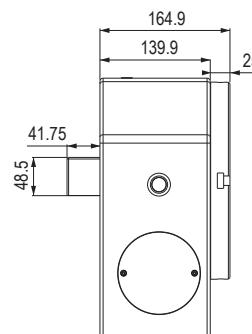
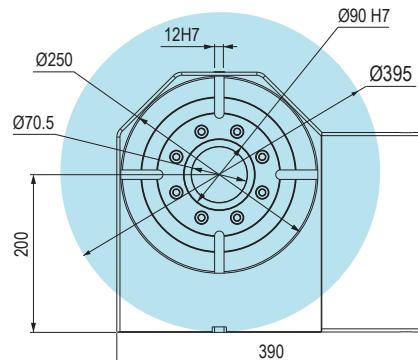
EASY AND INTUITIVE TOUCH SCREEN
PROGRAMMING OR THROUGH DIRECT
CONNECTION TO THE CNC

- Installazione semplice (alimentazione 220V)
 - Corona in bronzo speciale
 - Controsupporto semplice
 - Vite senza fine in acciaio temprato e rettificato
 - Vite e corona in bagno d'olio
 - Cuscinetti a vite precaricati
 - Cuscinetto anteriore a rulli incrociati sovradimensionato
 - Recupero gioco con avvicinamento assiale
 - Completa tenuta stagna ai liquidi con possibilità di pressurizzazione
 - Possibilità di montare motori di tutte le marche
 - Dimensioni esterne contenute
 - Finestra di controlli liquidi e condensa
 - Lavorazione in posizionamento a 360°
-
- Easy installation (220V)
 - Special bronze crown
 - Simple tailstock
 - Worm screw in hardened ground steel
 - Bath lubrication Screw and Crown
 - Pre-loaded screw bearings
 - Over-dimensioned crossed-roller front bearing
 - Play recover with axial approach
 - Watertight seal with possibility of pressurization
 - Possibility to mount motors of all brands
 - Reduced external dimensions
 - Condensation and liquid control window
 - 360° work positioning

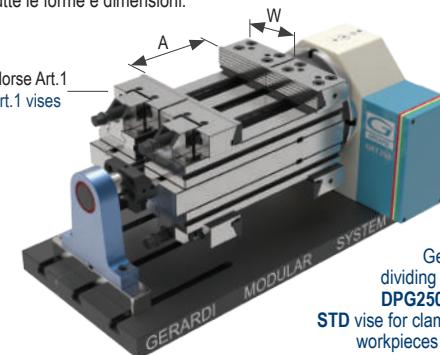
Dati tecnici
Technical Data

Diametro del divisore Dividing head diameter	250 mm						
Diametro del foro passante Clearance hole diameter	70,5 mm						
Altezza punte Center height	200 mm						
Dimensione della scanalatura a T T-Slot width	12 mm						
Sistema di bloccaggio Clamping system	Idraulico Hydraulic						
Forza frenante Clamping torque	3000 Nm						
Motore Servo motor	3000 Max.g/min						
Minimo incremento Minimum increment	0,002						
Velocità di rotazione Rotation speed	33,3 Giri/min						
Rapporti vite/corona Speed reduction ratio (screw/gear)	1/90						
Rapporti vite/motore Speed reduction ratio (screw/motor)	1/180						
Precisione Indexing accuracy	±10 Sec.						
Ripetibilità Repeatability	4 Sec.						
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	<table border="1"> <tr> <td>Verticale Vertical</td> <td></td> <td>Kg.550</td> </tr> <tr> <td>Orizzontale Horizontal</td> <td></td> <td>Kg.1500</td> </tr> </table>	Verticale Vertical		Kg.550	Orizzontale Horizontal		Kg.1500
Verticale Vertical		Kg.550					
Orizzontale Horizontal		Kg.1500					
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head	<table border="1"> <tr> <td></td> <td>N 25000</td> </tr> <tr> <td></td> <td>FxL Nm 1000</td> </tr> <tr> <td></td> <td>FxL Nm 2200</td> </tr> </table>		N 25000		FxL Nm 1000		FxL Nm 2200
	N 25000						
	FxL Nm 1000						
	FxL Nm 2200						
Rapporti vite/corona Speed reduction ratio (screw/gear)	<table border="1"> <tr> <td>Verticale Vertical</td> <td></td> <td>10,5 Kg. m²</td> </tr> </table>	Verticale Vertical		10,5 Kg. m ²			
Verticale Vertical		10,5 Kg. m ²					
Coppia in lavoro Driving torque	<table border="1"> <tr> <td>Corona dentata Worm gear</td> <td></td> <td>698 Nm</td> </tr> </table>	Corona dentata Worm gear		698 Nm			
Corona dentata Worm gear		698 Nm					
Kg	110						
Cod.	8.DPG2500						

DPG 250



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



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

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

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Art. 99A

Supporto
Support



Cod.

7.99.A1000

Art. 99B

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



Cod.

1.99.B1000

Art. 99H

Distanziale per supporto
Spacer support



Cod.

1.99.H1000

Art. 62K

DPG 250

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



Cod.

1.62.KDPG25

Art. 99T

Sovratavola per divisore
Head-plate for dividing head

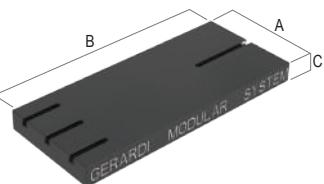


Cod.

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

Art. 99S

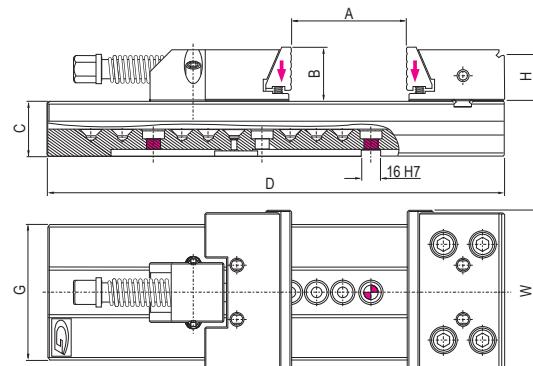
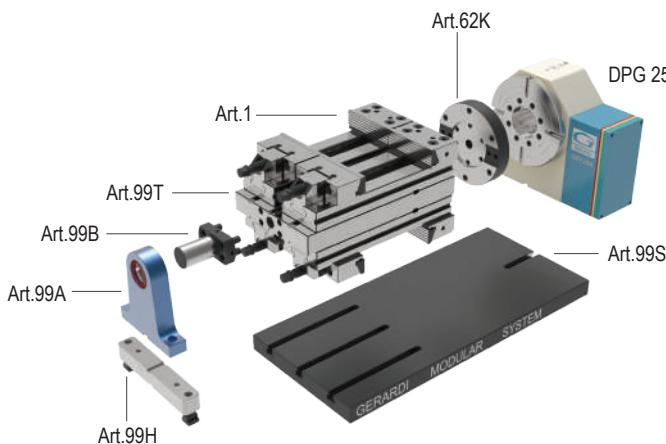
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground



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

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

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



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

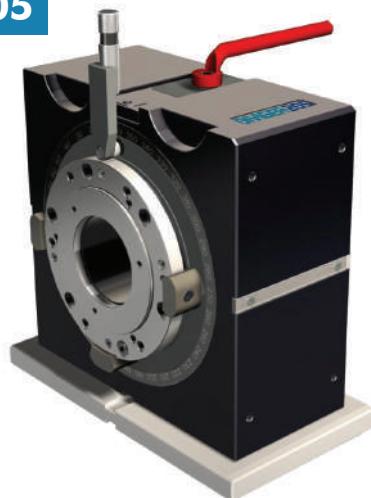


DIVISORE MECCANICO DIVIGER 205

MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

DIVIGER 205



Dati tecnici
Technical Data

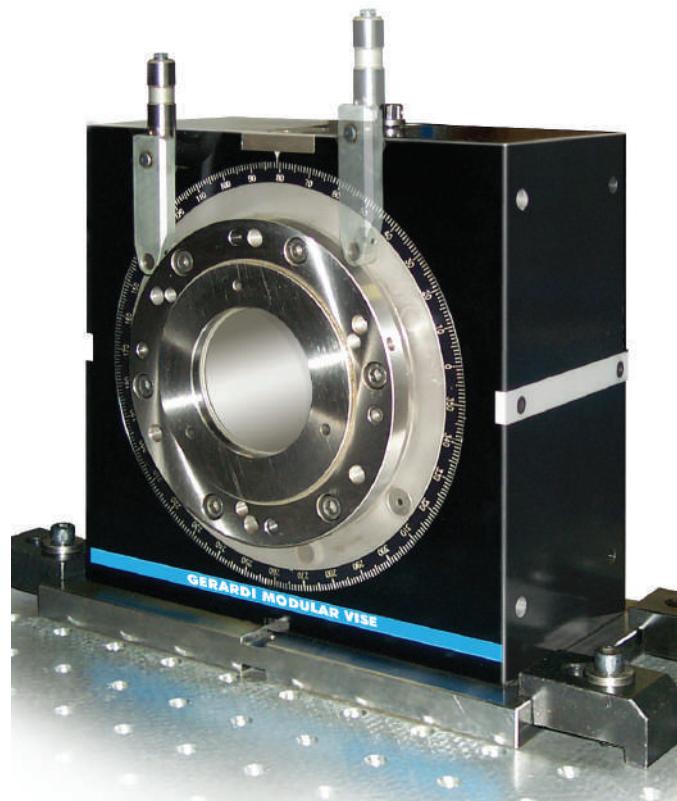
Diametro del divisore Dividing head diameter	220 mm
Diametro del foro passante Clearance hole diameter	85 mm
Altezza centrale Center height	200 mm
Dimensione della scanalatura a T T-Slot width	-
Sistema di bloccaggio Clamping system	Meccanico Mechanical
Minimo incremento Minimum increment	1°
Precisione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

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

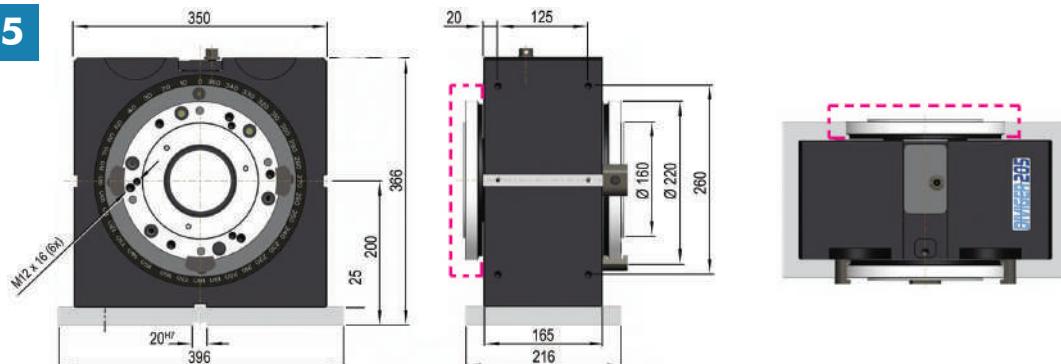
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES
OR HYDRAULIC, FOR CNC MILLING MACHINE

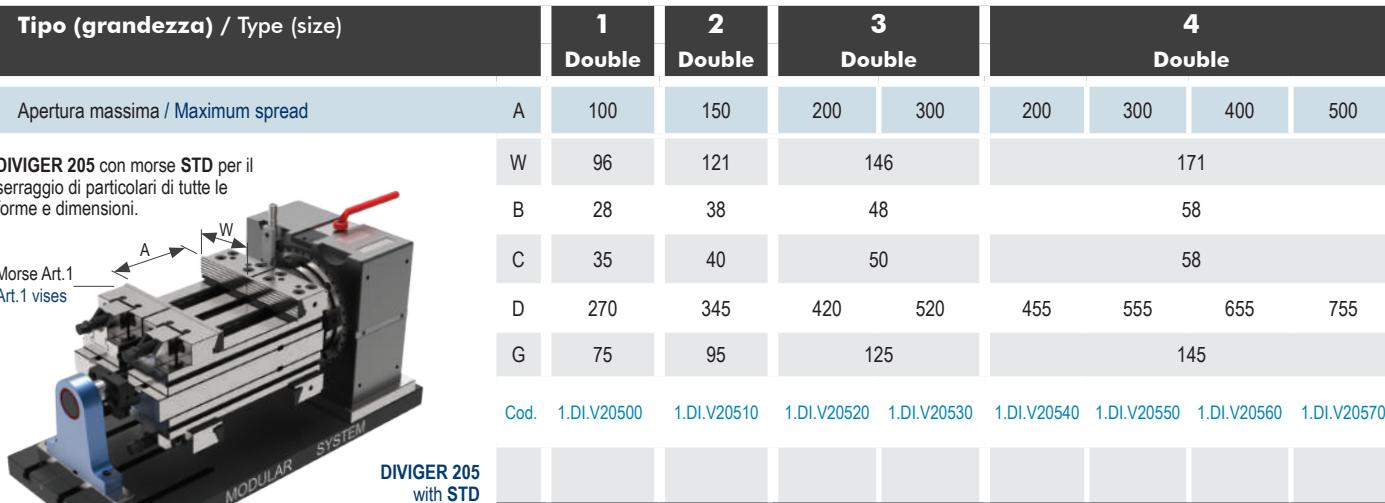
- Maggiore efficienza nella lavorazione su più lati
- Completamente autonomo dalla macchina
- Elevato momento torcente
- Divisione manuale o automatica tramite mandrino macchina
- 360 posizioni
- Serraggio simultaneo di due particolari grazie alla doppia flangia
- lavorazione su 5 facce senza contropunta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

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



DIVIGER 205



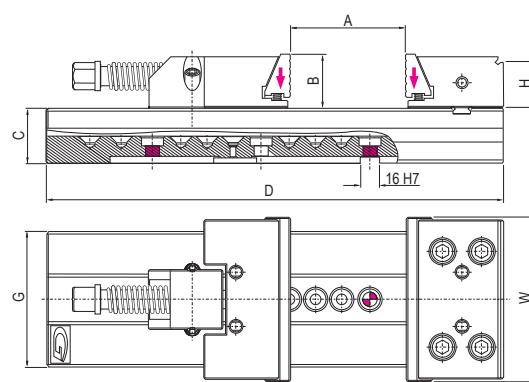
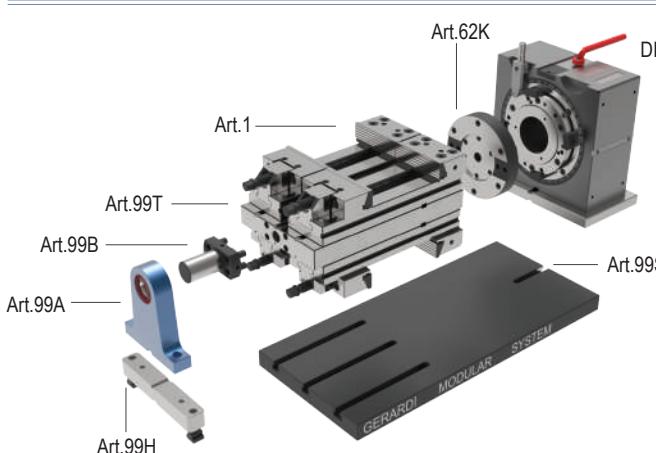


Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni.
In case you already have a divisor, the price may be revised

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

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

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

Art. 53C

Cubo lavorato
Machined cube



Dim. A=350 / B=500 / H=700

Cod. 8.53.C00171

Art. 1

Tipo di morsa
Vise type



Art.1 Type 4x300

Cod. 3.04.30000

Numero morsa **x 4**
Vises number

Predisposizione e montaggio completo Complete set up & mounting

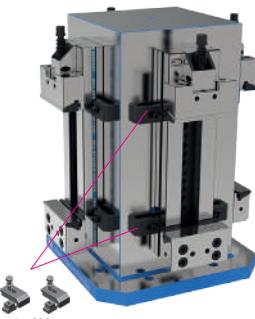


Cod. MAN-040-STD

Realizzazione di fori filettati o fori di fissaggio (da un minimo di 4 a un massimo di 6), fori calibrati o chiavette (da un minimo di 2 a un massimo di 3).

Creation of threaded holes or screw holes (minimum 4 and maximum 6), calibrated holes or key-ways (minimum 2 and maximum 3).

Cubo con morsa
Cube with vises

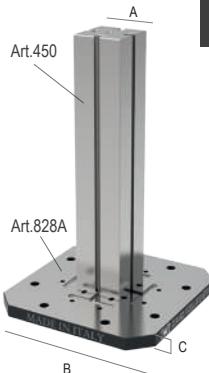


TABULATO controllo DEA - MAN-100-STD
PRINTOUT DEA control - MAN-100-STD



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

Supporto centrale + Piastra base
Center support + Head plate



Art.450 Dim. A=125 / H=520 Art.828A Dim. B=400 / C=38

Cod. 1.45.03520 Cod. 1.82.8A300

Art. 1

Tipo di morsa
Vise type

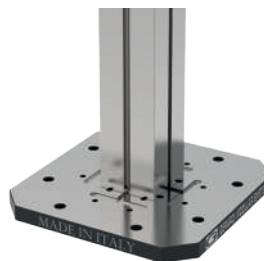


Art.1 Type 3x300

Cod. 3.03.30000

Numero morsa **x 4**
Vises number

Montaggio verticale complesso Vertical (complex) Assembly



Cod. MAN-080-STD

Montaggio di una o più morse e/o attrezature. Il prezzo di listino comprende manodopera, viti, staffe e tasselli per singola morsa.
Assembly of one or more vises and/or equipment. The list price includes working hours, screws, holding clamps and key-nuts for only one vise.

Art. 750

Cubo con morsa
Cube with vises



Art.750 Type 3x300

Cod. 1.75.03300

TABULATO controllo DEA - MAN-100-STD
PRINTOUT DEA control - MAN-100-STD

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA

ALIGNMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE



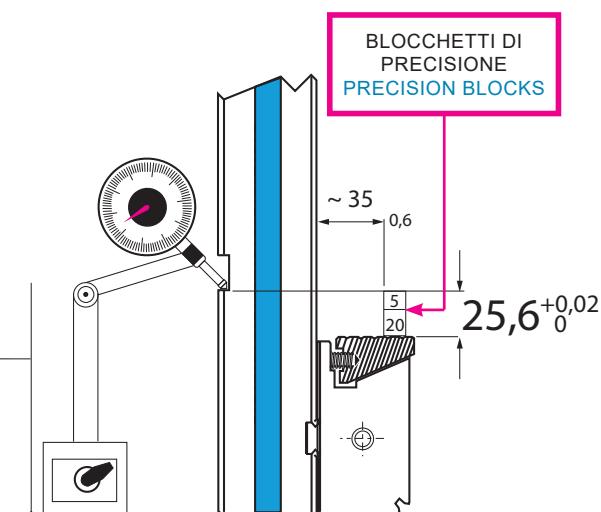
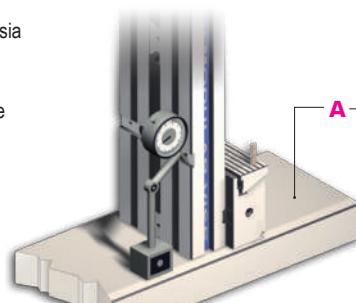
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

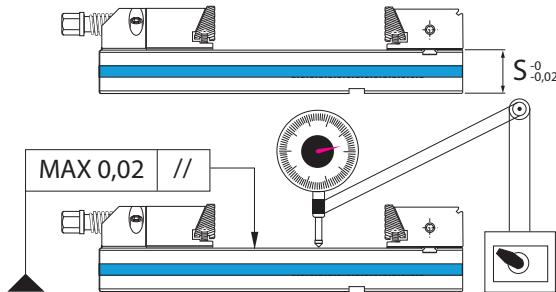
Scan the QR code to download the complete instructions

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

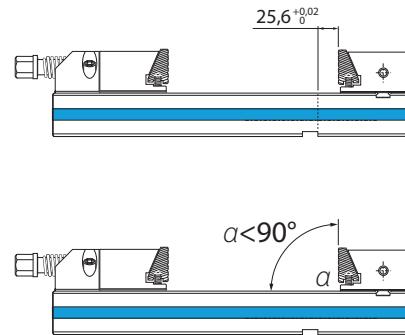
Set the vise vertically ensuring that it is perfectly at parallel to the table **A** in both sides. Then with an indicator check the parallelism of the keyway and its alignment with the fixed jaw plate.



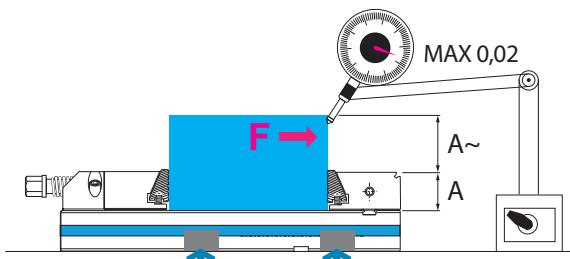
TOLLERANZE GEOMETRICHE



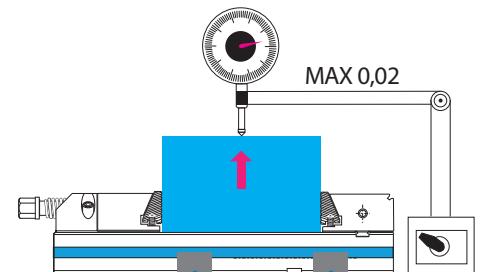
GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE



DYNAMIC ACCURACIES

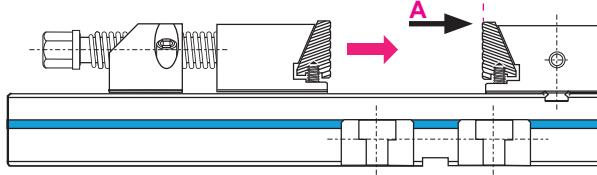


Morsa ancorata con 2 coppie di staffe Art.296 / Vise clamped with n. 2 pairs of Art.296

Valori di flessione nel punto "A" in relazione alle forze di serraggio **PER MORSE TIPO 3**

Deflection values at "A" in relation to clamping powers
FOR TYPE 3 VISES

$$1 \text{ kgf} \cdot \text{m} = 9.806 \text{ Nm}$$



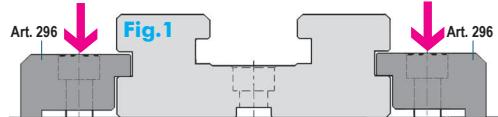
Kn	mm
60	0.1
50	0.07
40	0.05
30	0.03
20	0.02
10	0.01
5	0.004
2	0.002

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

E' possibile ancorare la morsa tramite viti centrali, ma in questo caso la quota X potrebbe flettere e compromettere lo scorrimento della ganascia mobile. (Fig. 2)
Nella tabella seguente sono riportati i valori di coppia massima applicabile mediante chiave dinamometrica

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

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



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

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

Diagrammi di serraggio / Clamping diagrams

Standard / StandardFLEX

Diagrammi di serraggio meccanico con chiave dinamometrica

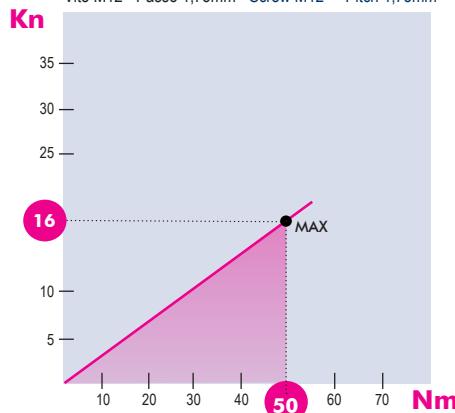
Mechanical clamping diagrams with torque wrench

Art. 1 / 1A / 700

Morse tipo
Vises type

1

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

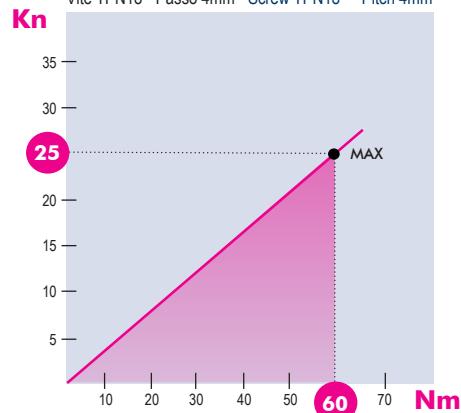


Art. 357

Morse tipo
Vises type

2

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



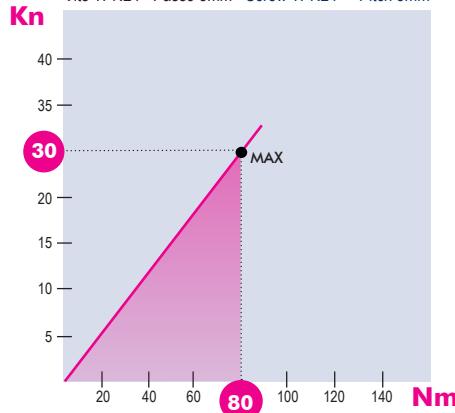
Gruppi di serraggio meccanici (Art. 258 e similari) / Mechanical clamping devices (Art. 258 and similar)

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

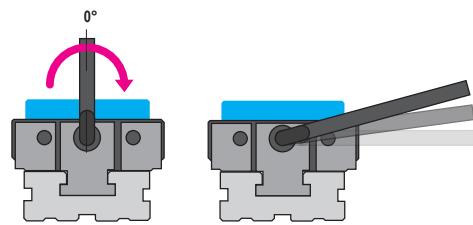
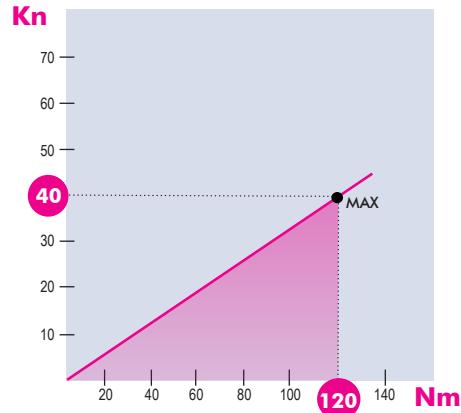


Art. 357

Morse tipo
Vises type

5-6

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



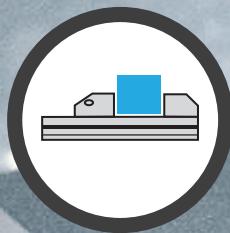
Serrare il pezzo agendo sulla vite di spinta con la chiave in dotazione senza utilizzare tubi o martelli.
Attenzione: nel serraggio basta 1/4 di giro della chiave dal momento in cui la ganascia tocca il particolare.

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



1



*For the highest accuracy
machining operations*

OK

3 MICRONS ACCURACY

Morse e Cubi / Vises & Vise Towers

Morse / Vises

OK series

Morse di precisione per rettifica!

Highest accuracy vises for grinding operations!



Precisione / Accuracy
 $\pm 0,005\text{mm}$



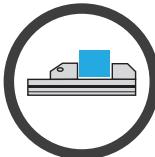
Durezza / Hardened
HRC 60

CARATTERISTICHE & VANTAGGI

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

TECHNICAL FEATURES & ADVANTAGES

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



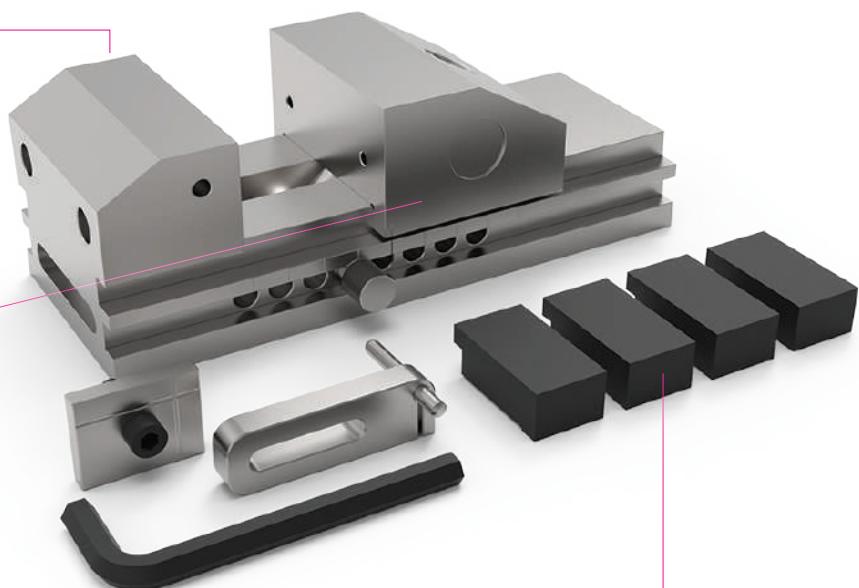
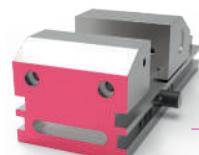
Per le esigenze più impegnative nelle lavorazioni con ristrette tolleranze

For the highest accuracy machining operations

Rigidità & Sicurezza

Rigidity & Safety

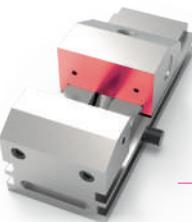
La ganascia fissa e la base delle morse OK sono integrali e costruite in corpo unico per garantire una maggiore rigidità e nessuna flessione durante le lavorazioni.



Guide esterne

External Guides

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



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

Fissaggio morse OK

Fixing OK vise

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

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

Staffe d'ancoraggio / Vise holding clamps

OK Series

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

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

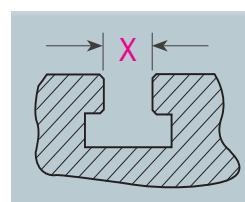
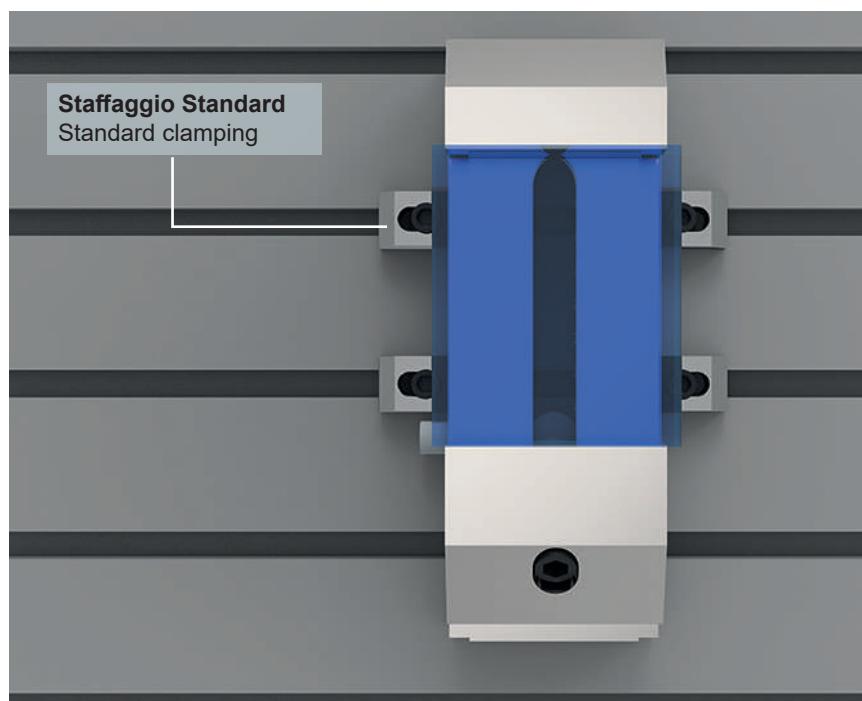


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.666O T.3 X=18mm*

Oppure con codice: 7.66.6O300*

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

Also with code: 7.66.6O300*



Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

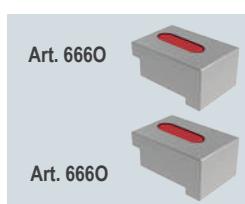


Art.287 (Pag.4.34)*

Dadi a T - T Nuts

Per fissaggio morsa alle cave a T della macchina

For vise clamping on the machine T-slots



Art.666O

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

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

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

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

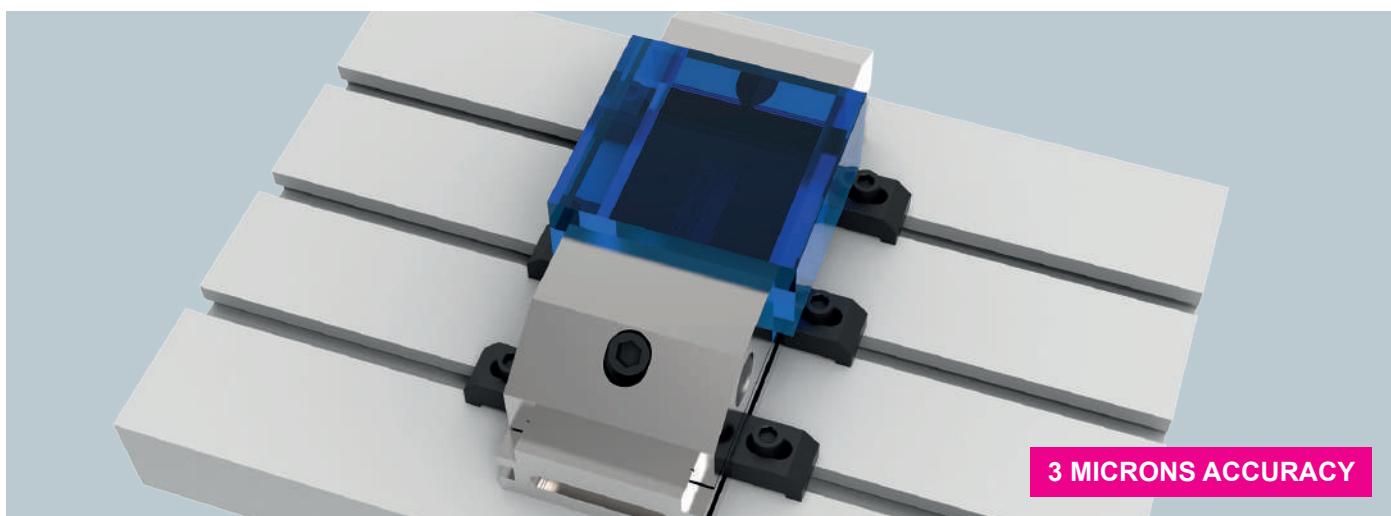
Tipo (grandezza) morsa / Vise type (size)	kN	0	1	2 16 kN	3 16 kN	4 18 kN	5 18 kN	6 18 kN	7 18 kN	8 20 kN
		27	80	100	120	160	180	200	260	200
Art. 666	W	30	60	75	100	125	125	125	125	160
Morsa serie OK in acciaio / Series OK vises in steel	B	15	28	40	45	50	50	50	50	63
	C	15	28	35	42	50	50	50	50	63
	D	75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

Art. 666S

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

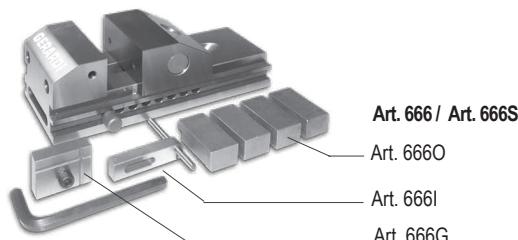
* Acciaio temprato a basso contenuto di ferro (Max resistenza alla corrosione dopo tempra e rettifica)
 Low carbon hardened steel (max resistance against corrosion after hardening process and grinding operations)

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



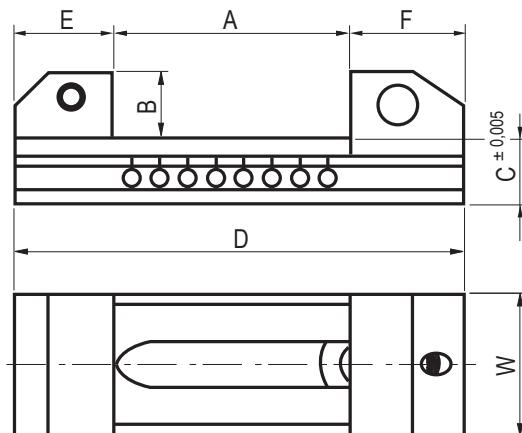
Dotazione standard:

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

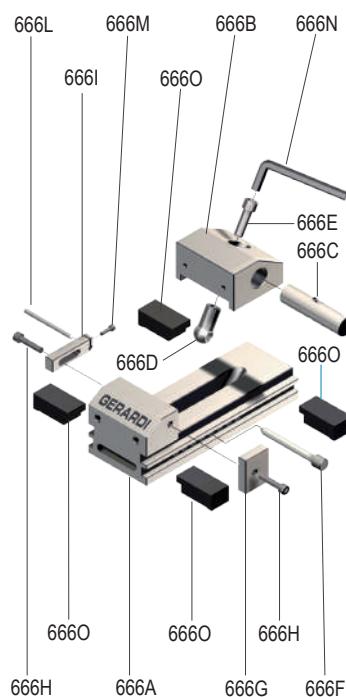


Standard equipment:

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

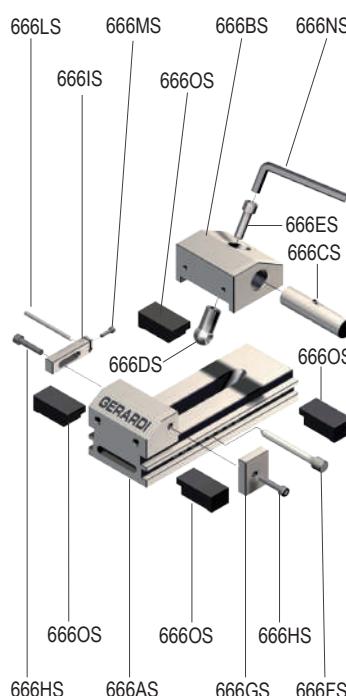


Tipo (grandezza) morsa / Vise type (size)	0	1	2 16 kN	3 16 kN	4 18 kN	5 18 kN	6 18 kN	7 18 kN	8 20 kN
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Parti di ricambio per Art. 666 / Spare parts for Art. 666
Art. 666


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

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


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

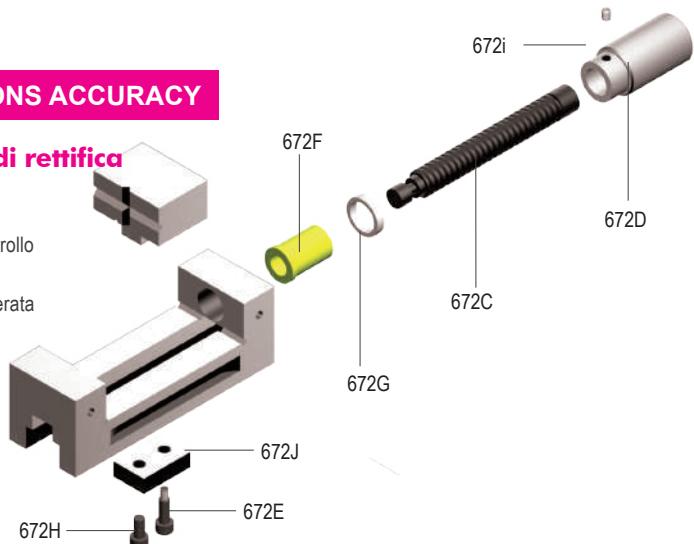
MORSE per RETTIFICA

GRINDING VISES

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

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

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



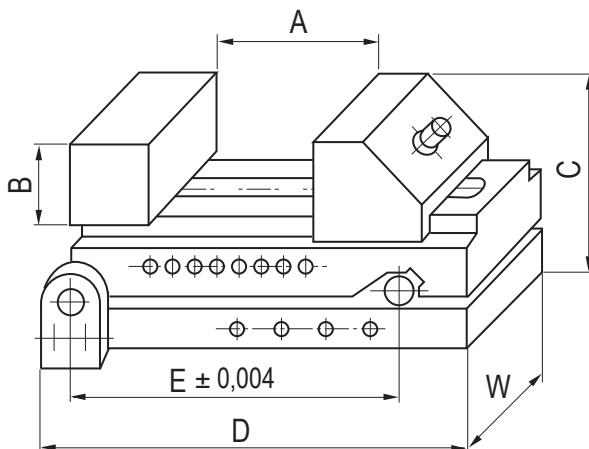
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6	7	
Apertura massima / Maximum spread	A	64	76	88	100	120	160	175
	W	50	64	76	88	100	125	150
Morsa serie OK in acciaio Series OK vises in steel	B	30	35	35	40	40	50	50
Art. 672	C	60	70	70	75	75	98	98
	D	150	172	187	215	240	290	305
	E	30	30	32	40	40	50	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

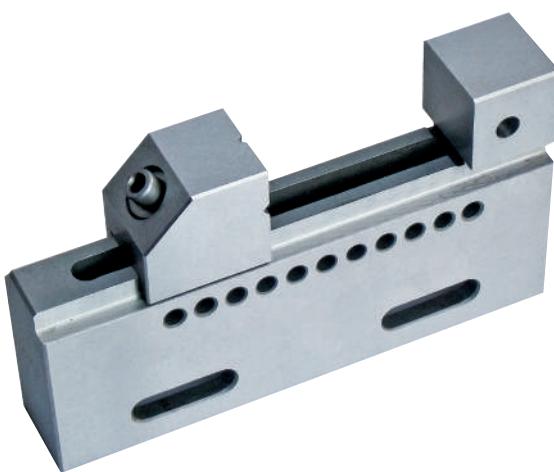
Tipo (grandezza) morsa / Vise type (size)		1	2	3	
Apertura massima / Maximum spread	A	100	120	160	
Art. 667	Morse di precisione con barraseno (0 - 90°) Precision sine vises (0 - 90°)	W	75	100	125
▪ Superfici rettificate, temperate e lappate ▪ Ortogonalità e parallelismo: 0,003 mm / 100 mm ▪ Ideali per 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	B	32	45	50	
	C	95	116	139	
	D	214	244	303,5	
	E	150	200	240	
	kg	9	15	26	
	Cod.	1.66.71000	1.66.72000	1.66.73000	



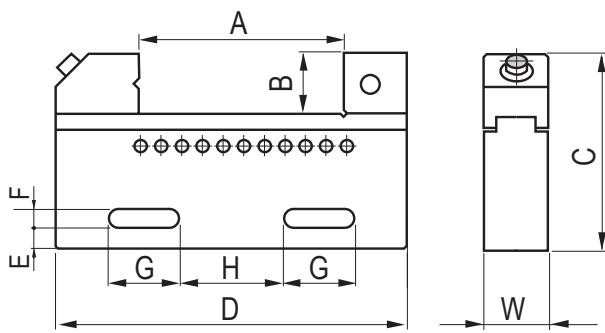
Dotazione standard: 2 chiavi di servizio Art. 376
Standard equipment: 2 wrenches Art. 376



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



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



Diagrammi di serraggio / Clamping diagrams

OK Series

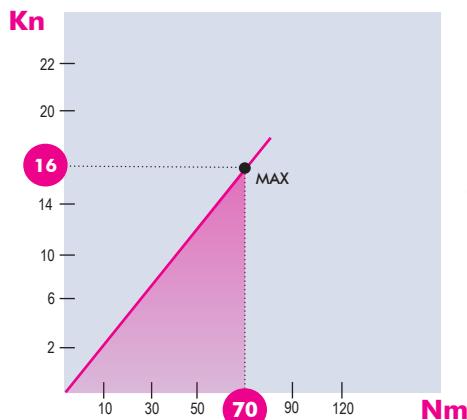
Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

Art. 666 / 666S

Morse tipo
Vises type

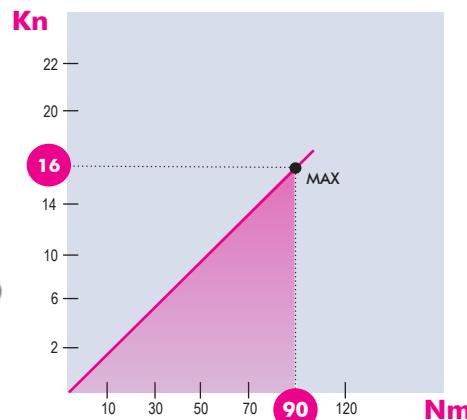
2



Art. 357

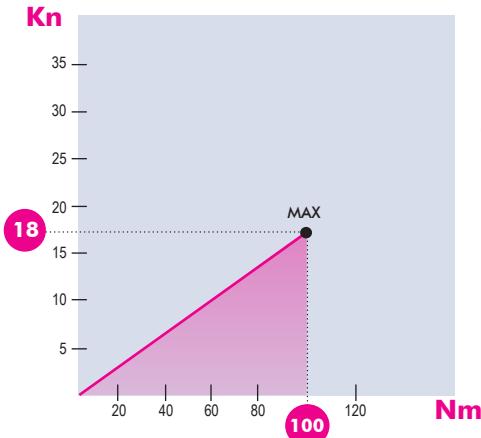
Morse tipo
Vises type

3



Morse tipo
Vises type

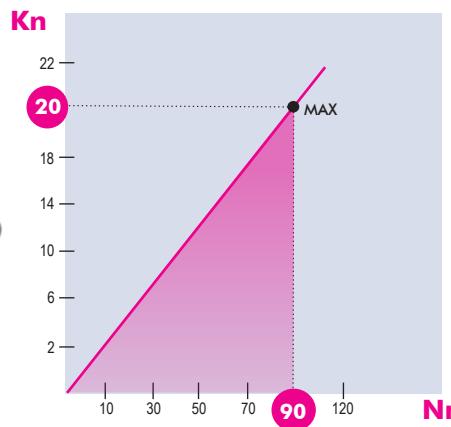
4-5-6-7



Art. 357

Morse tipo
Vises type

8



NB: Alcuni fattori, co...
Some factor as lubr...

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