

2

*To clamp workpieces
of unusual dimension!*

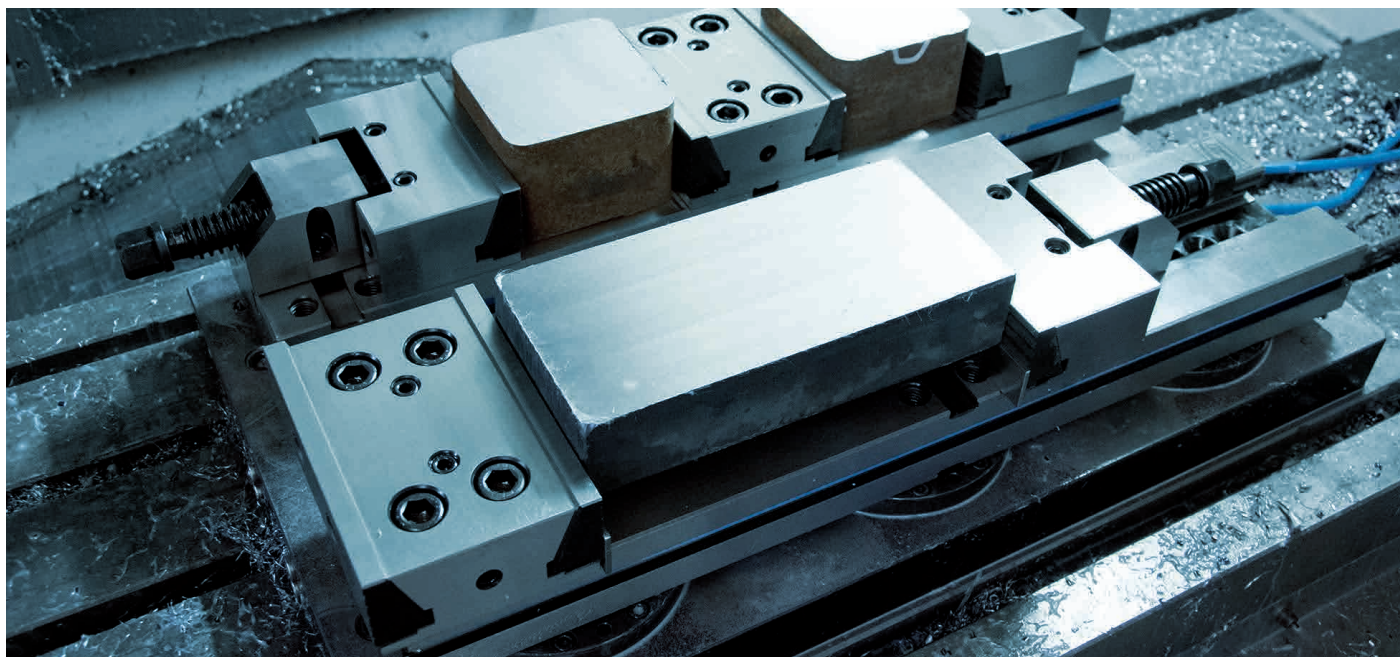
XL - XLFLEX

Morse e Cubi / Vises & Vise Towers

INDICE - INDEX

2

pages		pages		pages		pages		pages	
Art.	2.	Art.	2.	Art.	2.	Art.	2.	Art.	2.
20	8								
20A	28								
20AE	28								
20E	8								
21	10								
21E	10								
22	12								
22E	12								
24	14								
24E	14								
25	16								
25E	16								
30	18								
30A	30								
30AE	30								
30E	18								
32	20								
32E	20								
34	22								
34E	22								
35	24								
35E	24								
42	32								
42Z	32								
212	8 - 10 - 14 - 18 - 22 - 28 - 30								
213	12 - 20								
217	8 - 10 - 18								
218	12 - 16 - 20 - 24								
230B	28 - 30								
230E	28 - 30								
230F	28 - 30								
242G	8 - 10 - 18								
243G	12 - 20								
246	14 - 22								
246G	14 - 22								
247	16 - 24								
247G	16 - 24								
296	6								
313	8 - 10 - 14 - 18 - 22								
313R	12 - 16 - 20 - 24								



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		Serraggio di 1 particolare Clamping only 1 piece	Serraggio di 2 particolari Clamping 2 pieces	Montaggio sul fianco o in serie Side mounting or gang operation	Predisposizione Zero Point Zero Point ready	Cubi-morsa Vise tower
PIASTRE GANASCE JAW PLATES						PAGINE PAGES						
	Discendente Pull down	Piana Straight	Cambio rapido manuale Quick manual change XL FLEX	GRIP integrate integral GRIP	Inseri GRIP GRIP Inserts		Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use	Diagrammi forze di serraggio Clamping force diagrams			

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 chiave 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 2.34 per esempi applicativi - See page 2.34 for application examples

Morse / Vises

XL EXTRA LONG BASES


 Precisione / Accuracy
±0,02mm

 Durezza / Hardened
HRC 58±2

Come le morse Standard, ma con la base **mooolto** più lunga!
 As the Standard vises but with a **looonger** base

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

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

MODULARITÀ / MODULARITY

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

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

DESIGN COMPATTO / SPACE SAVING DESIGN

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

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

SERRAGGI RAPIDI / QUICK CLAMPING

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

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



Ganascia monoblocco
 Solid Guided Jaws

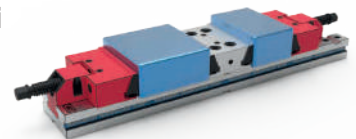
Entrambe le ganasce sono costruite in corpo unico (non esistono slitte o tasselli di fissaggio) per garantire una maggiore rigidità e nessuna flessione. Entrambe le piastre ganasce sono costruite con un **angolo di spinta verso il basso**. Ciò assicura, nel momento della chiusura, una trazione del pezzo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

Serraggi indipendenti

Independent Clamping

Due Gruppi di serraggio indipendenti
 Two independent clamping devices

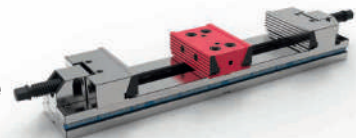


Ganacce fisse doppie

Double Fixed Jaws

Ganacce fisse doppie posizionabili sia al centro (per serraggi doppi), sia all'estremità della base (per serraggi singoli di particolari di grosse dimensioni). La morsa XL doppia permette la lavorazione di un numero maggiore di pezzi sfruttando al massimo la lunghezza della tavola della macchina utensile.

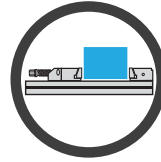
Double fixed jaw position both in the center of the vise base (for double clamping) and at the end (for single big workpieces Clamping). Double XL vise allows to machine more workpieces using the total length of the machine tool, this means to increase productivity of the workpiece and of the machine



Quando lo spazio sulla tavola della macchina è limitato le morse XL sono la risposta per avere due morse in una trasformandosi rapidamente da morsa a doppio serraggio a morsa singola aumentando l'apertura di serraggio. La morsa XL doppia permette la lavorazione di un numero maggiore di pezzi sfruttando al massimo la lunghezza della tavola della macchina utensile, ciò significa aumentare la produttività delle fasi attive del ciclo e di macchina stessa in quanto abbiamo

La versione XL singola permette il serraggio di pezzi di dimensioni insolite e di piastre (con le appropriate ganasce). La notevole gamma di dimensioni e lunghezze delle basi garantisce il soddisfacimento delle più svariate necessità nonché una rigidità notevole dell'attrezzatura. A richiesta tutte le morse sono fornibili con tasselli di riferimento di varie grandezze o con fori calibrati.

Space on the machine table is sometimes limited: XL vises enable to have 2 vises in 1 because they can quickly change from double vise to single vise with very large opening. Double XL vise allows to machine more workpieces using the total length of the machine tool, this means to increase productivity of the workcycle and of the machine. Single XL vise allows to clamp pieces of unusual dimensions and plates (with the right jaws). The very wide range of widths and lengths of bases guarantees the satisfaction of the widest variety of works and a big rigidity of the fixture too. In conclusion all this allows to reduce to a minimum dead times/interruptions and consequently faster payback period of machines and fixtures. On request all vises can be supplied with key-nuts of different sizes or with ground holes.



SCAN IT TO SEE



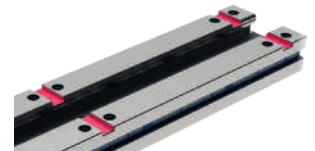
THE WEB PAGE



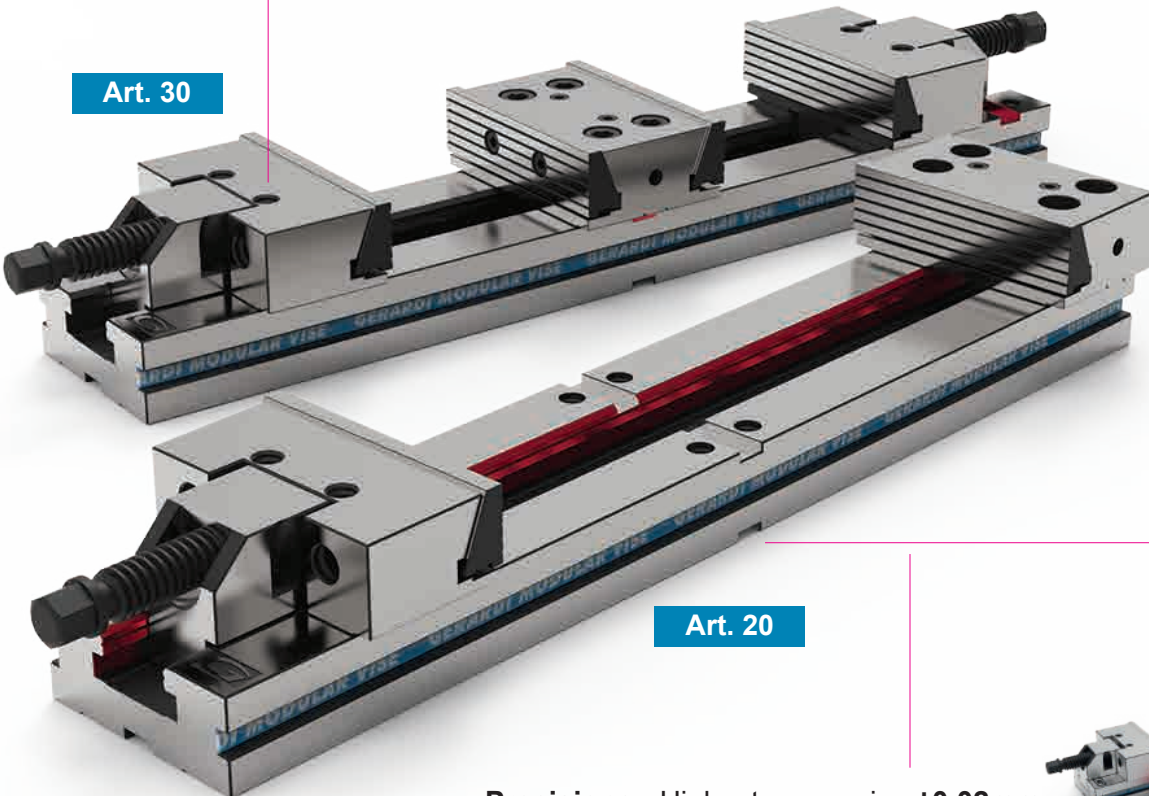
Ideali per particolari di grandi dimensioni!
To clamp workpieces of unusual dimension!

Chiavette Independent Clamping

Due serie di chiavette per due posizioni alternative delle ganasce fisse doppie
Two different keyways for two alternatives positions of the double fixed jaw



Art. 30



Art. 20

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

Slittone base con tutte le superfici di scorrimento ed accoppiamento rettificata. 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

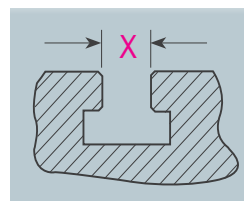
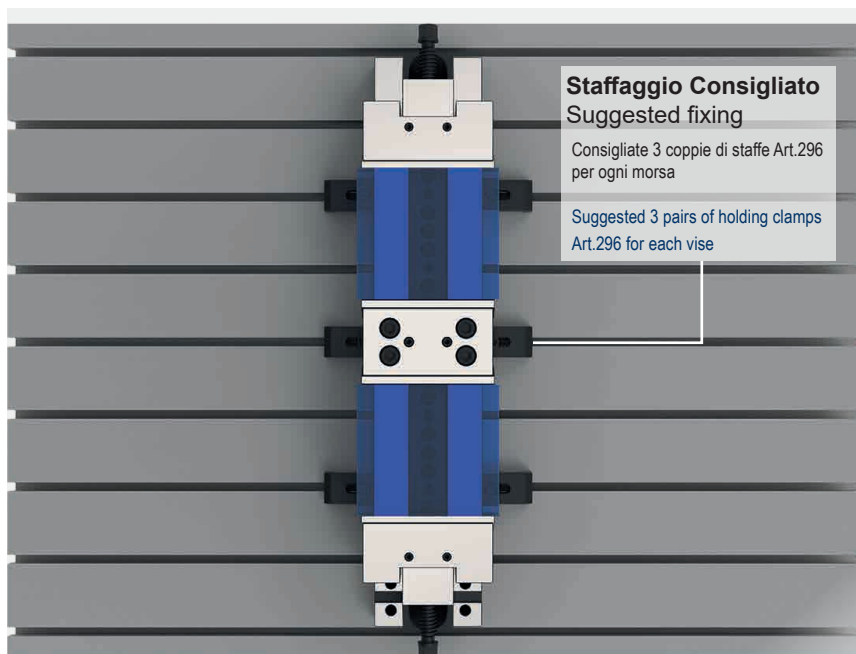
XL extra long bases

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

Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm
Oppure con codice: 2.29.6300 X=18mm

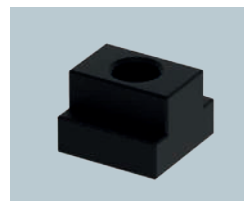
 Order example for Type 3 vise on machine with 18mm T-slots: Art.296 T.3 X=18mm

Also with code: 2.29.6300 X=18mm


Cava a T
T Slot

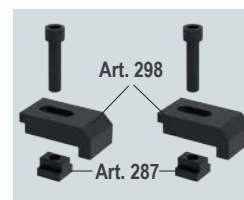
Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension


Art.287 (Pag.4.34)
Dadi a T - T Nuts

Per fissaggio morsa alle cave a T della macchina

For vise clamping on the machine T-slots


Art.296

(Art.298 + Art.287)

Consigliate 3 coppie di staffe Art.296 per ogni morsa

Suggested 3 pairs of holding clamps Art.296 for each vise

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

*Scelta consigliata - Suggested choice

*Scelta NON consigliata - NO Suggested choice

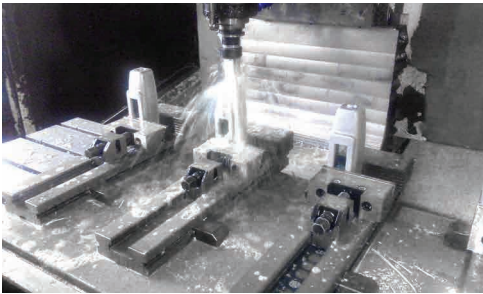
Soluzioni personalizzate / Customized solutions

XL extra long bases

2

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

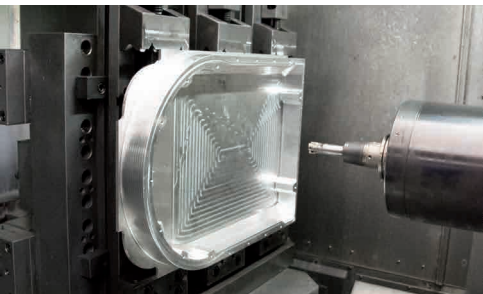


Morse XL

XL Vises

Morse XL montate orizzontalmente per lavorazioni su centro verticale

XL modular vises horizontally assembled for vertical machining centre

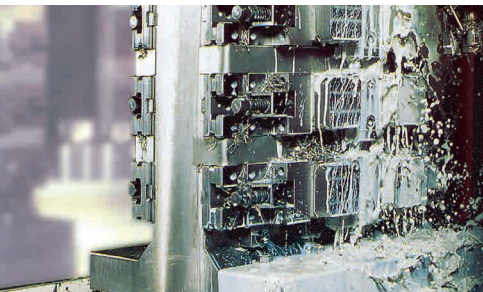


Morse XL

XL Vises

Morse XL montate verticalmente su cubo portapezzi per lavorazioni su centro orizzontale

XL Vises vertically assembled on a tombstone for horizontal machining centre.



Morse XL

XL Vises

Morse XL doppie montate su spalla in orizzontale

XL double vises horizontally assembled on a 2 sides tombstone



Versione singola

Single version

La versione XL singola permette il serraggio anche di pezzi di dimensioni insolite

Single XL vise allows to clamp also pieces of unusual dimensions



Morse modulari

Modular Vises

Tutte le morse ed accessori sono componibili fra loro e con tali accessori è possibile trasformare o riconfigurare la morsa per ottenere differenti soluzioni di serraggio

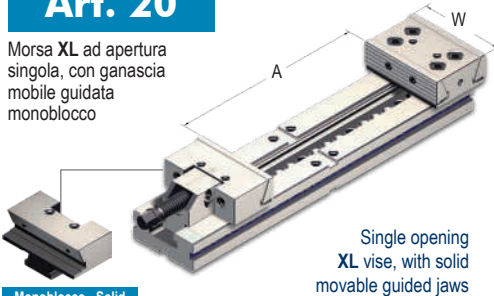
All vises and accessories are modular and components of all our vises will interchange with perfect alignment to upgrade your vise and provide different workholding solutions

2

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	30 kN
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	100	125	150			175		
	B	30	40	50			60		
	C	35	40	50			58		
	D	460	520	580	680	666	766	866	966
	G	75	95	125			145		
	kg	10	17	32	35	47	52	56	61
	Cod.	3.21.00000	3.22.10000	3.23.20000	3.23.30000	3.24.20000	3.24.30000	3.24.40000	3.24.50000

Art. 20

Morsa XL ad apertura singola, con ganascia mobile guidata monoblocco

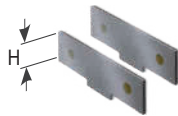


Single opening XL vise, with solid movable guided jaws

Monoblocco - Solid

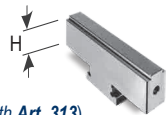
AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

 Coppia di Parallele magnetiche
 Pair of magnetic parallel plates


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

Art. 212

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


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

Art. 217

 Ganascia mobile prismatica
 Prismatic movable jaw


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

Art. 242G

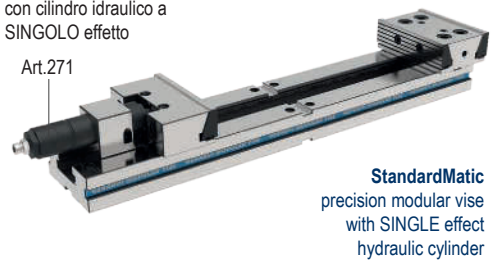
 Piastra ganascia con inserti GRIP completa di parallela magnetica
 Jaw plate with GRIP inserts with magnetic parallel


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

Art. 20E

NEW 2024

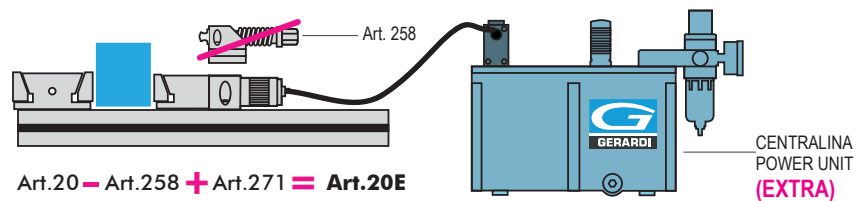
Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

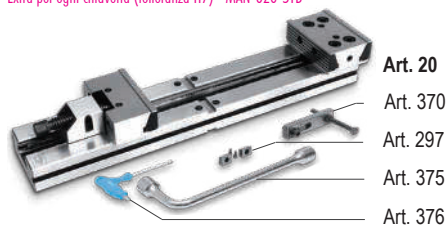
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
------	--	--	--	--

MORSE StandardMatic



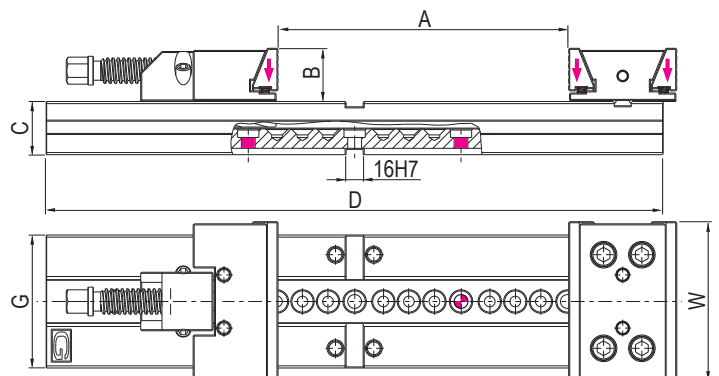
Dotazione standard:

- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiovetta (tolleranza H7) - MAN-020-STD



Standard equipment:

- 1 workstop Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance) - 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	500	600	700	800	900	500	600	700	800	900	1000	1100
W	200					300						
B	65					80						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	3.25.20000	3.25.30000	3.25.40000	3.25.50000	3.25.60000	3.26.20000	3.26.30000	3.26.40000	3.26.50000	3.26.60000	3.26.70000	3.26.80000

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

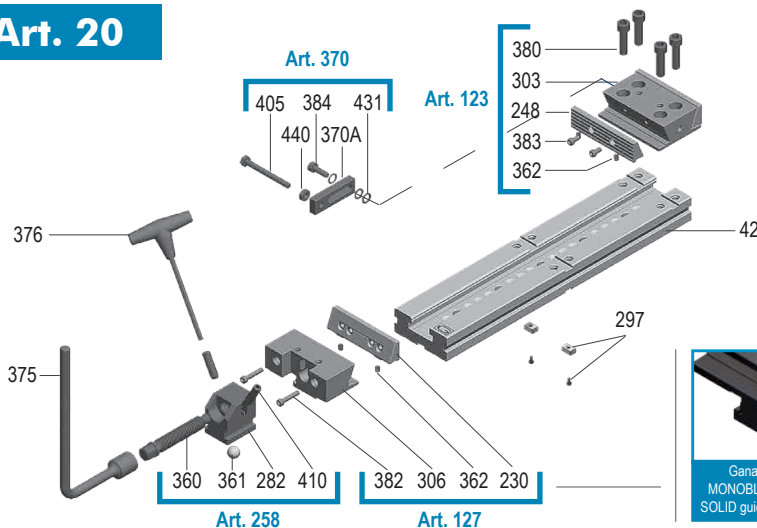
4.31.3500C			4.31.3600C	
Art. 313	53		68	
1.21.25000			1.21.26000	
Art. 212				
2.21.75000			2.21.76000	
Art. 217				
1.24.2G500			1.24.2G600	
Art. 242G				
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41				

StandardMatic VISES



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

Art. 20

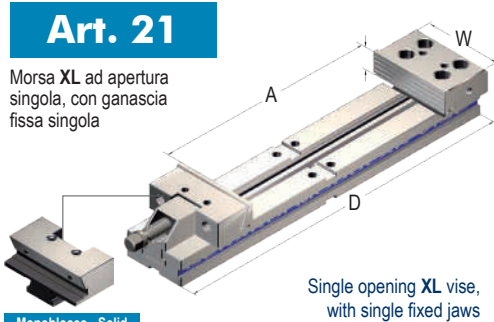


Art.	Pag.	Art.	Pag.
42	2.32	375	4.35
230	4.9	376	4.35
248	4.9	380	4.28
282	4.36	382	4.28
297	4.34	383	4.28
303	4.29	384	4.28
306	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-



2

Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3		4			
		16 kN	25 kN	30 kN		30 kN			
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	10	17	32	35	47	52	56	61
	Cod.	2.21.12900	2.21.23200	2.21.33600	2.21.34600	2.21.44000	2.21.45000	2.21.46000	2.21.47000



Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

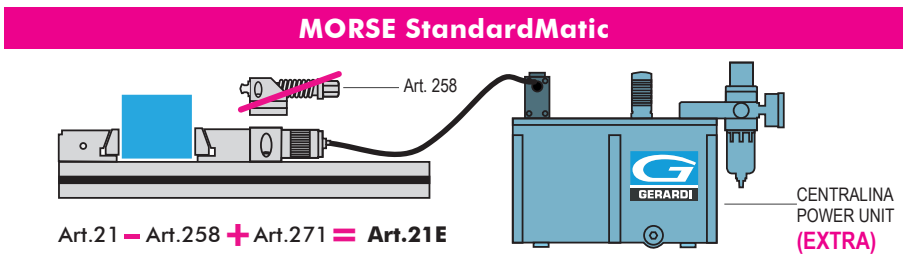
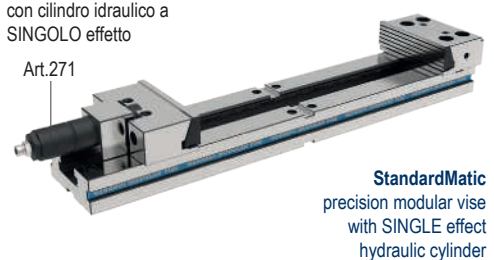
Art. 313	Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
Coppia di Parallele magnetiche Pair of magnetic parallel plates	H	23	33	43	53

Art. 212	Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
Ganascia mobile intermedia (da usare con Art. 313) Intermediate movable jaw (to be used with Art. 313)	H				

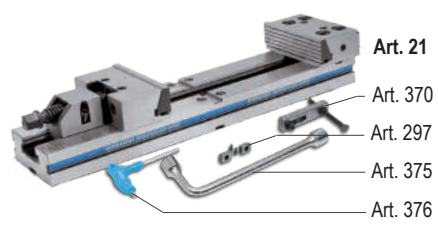
Art. 217	Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000
Ganascia mobile prismatica Prismatic movable jaw					

Art. 242G	Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400
Piastra ganascia con inserti GRIP completa di parallela magnetica Jaw plate with GRIP inserts with magnetic parallel					

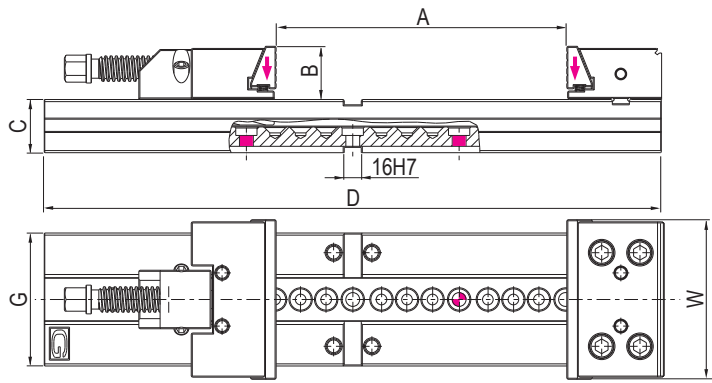
Art. 21E	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto					



- Dotazione standard:
- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiavevotta (tolleranza H7) - MAN-020-STD



- Standard equipment:
- 1 workshop Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance) - 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	500	600	700	800	900	500	600	700	800	900	1000	1100
W	200					300						
B	65					80						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	2.21.55000	2.21.56000	2.21.57000	2.21.58000	2.21.59000	2.21.65000	2.21.66000	2.21.67000	2.21.68000	2.21.69000	2.21.61000	2.21.61100

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C

Art. 313

53



4.31.3600C

68

1.21.25000

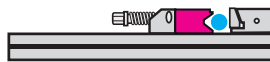
Art. 212



1.21.26000

2.21.75000

Art. 217



2.21.76000

1.24.2G500

Art. 242G



1.24.2G600

Cod.

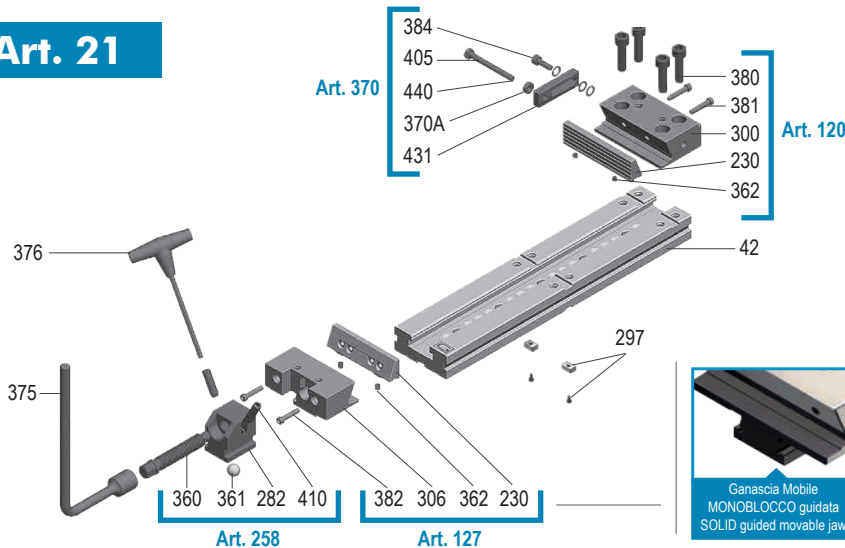
Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

StandardMatic VISES



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

Art. 21

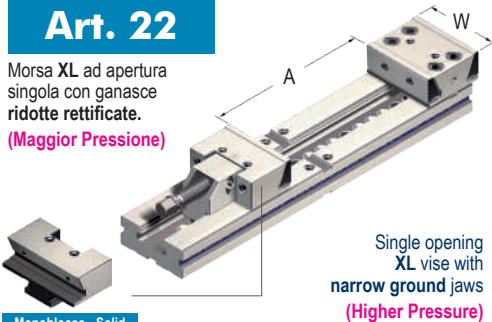


Art.	Pag.	Art.	Pag.
42	2.32	375	4.35
230	4.9	376	4.35
248	4.9	380	4.28
282	4.36	382	4.28
297	4.34	383	4.28
300	4.29	384	4.28
306	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-



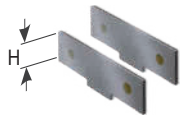
2

Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3		4			
		16 kN	25 kN	30 kN		30 kN			
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	75	95	125		145			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	3.21.00220	3.22.10220	3.23.20220	3.23.30220	3.24.20220	3.24.30220	3.24.40220	3.24.50220



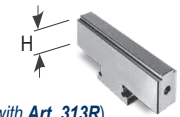
Monoblocco - Solid

Art. 313R

 Coppia di Parallele magnetiche
 Pair of magnetic parallel plates


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

Art. 213

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


Cod.	1.21.31000	1.21.32000	1.21.33000	1.21.34000

Art. 218

 Ganascia mobile prismatica
 Prismatic movable jaw

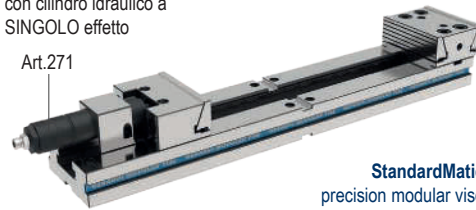

Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000

Art. 243G

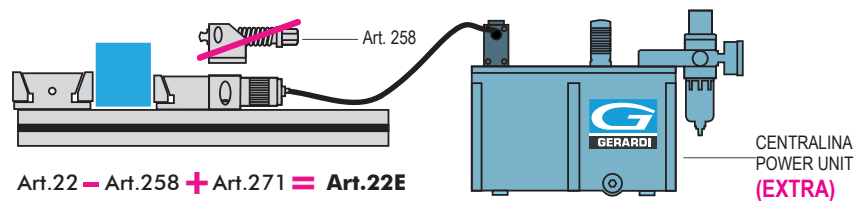
 Piastra ganascia ridotta con inserti GRIP
 completa di parallela magnetica
 Narrow width jaw plate with GRIP inserts with magnetic parallel


Cod.	1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400

Art. 22E
NEW 2024

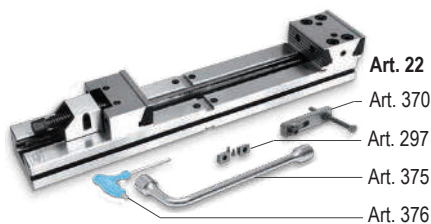
 Morsa modulare StandardMatic
 con cilindro idraulico a
 SINGOLO effetto

StandardMatic
 precision modular vise
 with SINGLE effect
 hydraulic cylinder

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

MORSE StandardMatic


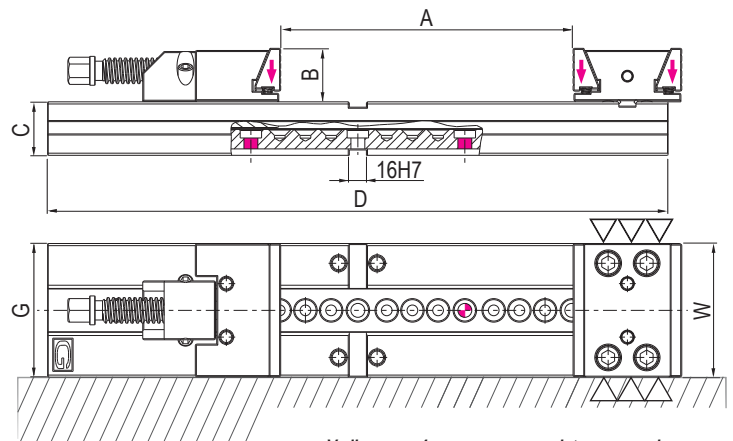
Dotazione standard:

- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiavevitta (tolleranza H7) - MAN-020-STD



Standard equipment:

- 1 workstop Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance) - 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	500	600	700	800	900	500	600	700	800	900	1000
W	170					195						
B	65					80						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	3.25.20220	3.25.30220	3.25.40220	3.25.50220	3.25.60220	3.26.20220	3.26.30220	3.26.40220	3.26.50220	3.26.60220	3.26.70220	3.26.80220

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

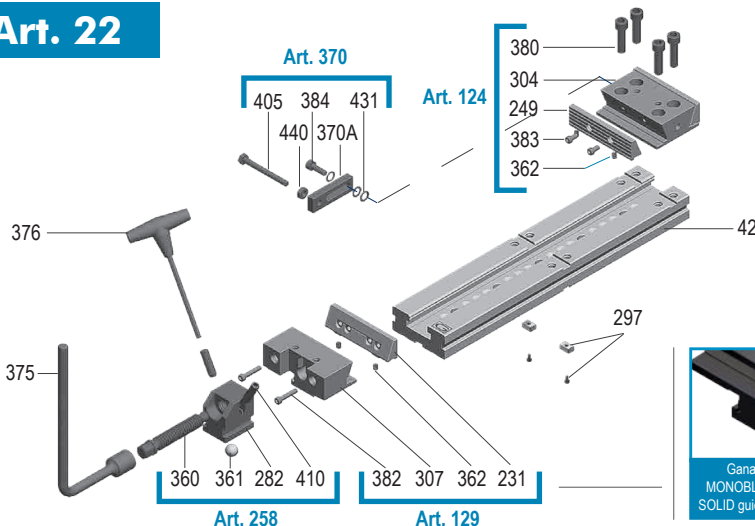
4.31.3R50C		4.31.3R60C	
Art. 313R	53		68
1.21.35000		1.21.36000	
Art. 213			
2.21.85000		2.21.86000	
Art. 218			
1.24.3G500		1.24.3G600	
Art. 243G			
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41		

StandardMatic VISES



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

Art. 22

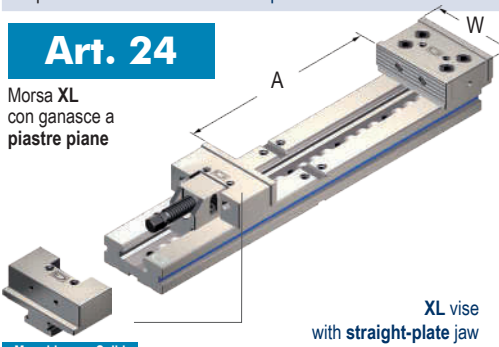


Art.	Pag.	Art.	Pag.
42	2.32	375	4.35
231	4.9	376	4.35
249	4.9	380	4.28
282	4.36	382	4.28
297	4.34	383	4.28
304	4.29	384	4.28
307	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-



2

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	30 kN
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	100	125	150			175		
	B	30	40	50			60		
	C	35	40	50			58		
	D	460	520	580	680	666	766	866	966
	G	75	95	125			145		
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	2.24.12900	2.24.23200	2.24.33600	2.24.34600	2.24.44000	2.24.45000	2.24.46000	2.24.47000


AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

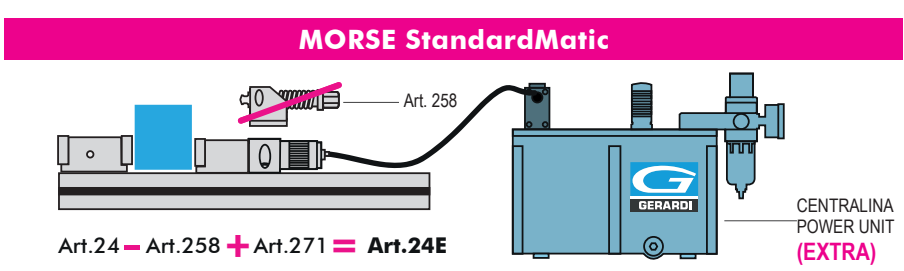
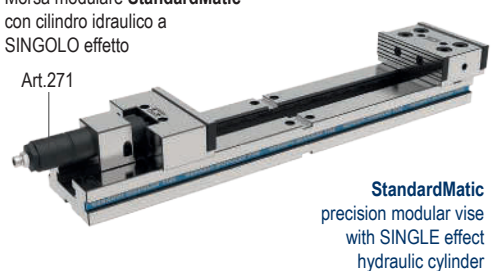
Art. 313	Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C
Coppia di Parallele magnetiche Pair of magnetic parallel plates	H	23	33	43	53

Art. 212	Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
Ganascia mobile intermedia (da usare con Art. 313) Intermediate movable jaw (to be used with Art. 313)	H				

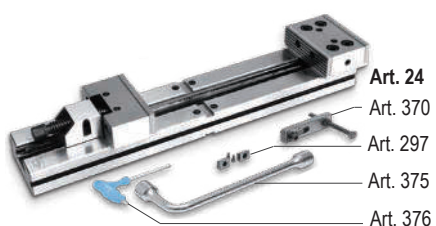
Art. 246	Cod.	1.65.16200	1.65.26200	1.65.36200	1.65.46200
Piastra piana in acciaio lavorabile Machinable steel straight jaw plate					

Art. 246G	Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400
Piastra ganascia con inserti GRIP completa di parallela magnetica Jaw plate with GRIP inserts with magnetic parallel					

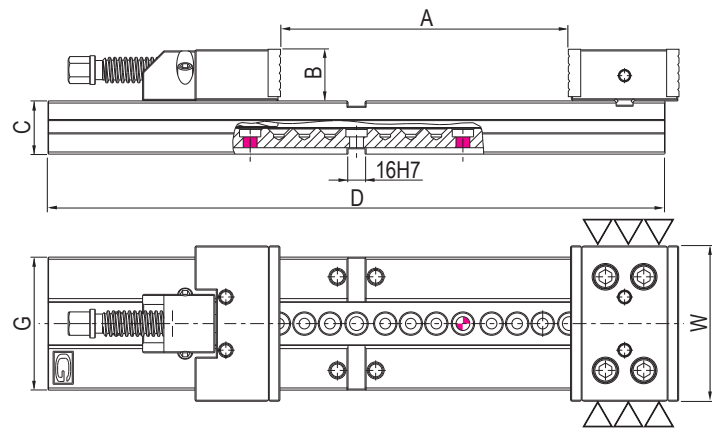
Art. 24E	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto					



- Dotazione standard:
- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiavevitta (tolleranza H7) - MAN-020-STD



- Standard equipment:
- 1 workstop Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance) - 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	500	600	700	800	900	500	600	700	800	900	1000
W	200					300						
B	65					80						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	2.24.55000	2.24.56000	2.24.57000	2.24.58000	2.24.59000	2.24.65000	2.24.66000	2.24.67000	2.24.68000	2.24.69000	2.24.61000	2.24.61100

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

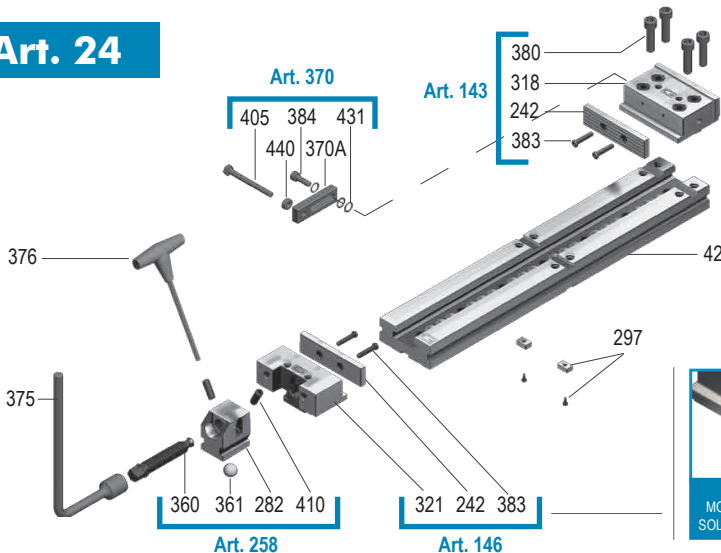
4.31.3500C	Art. 313		4.31.3600C	
53			68	
1.21.25000	Art. 212		1.21.26000	
1.65.56200	Art. 246		1.65.66200	
1.24.6G500	Art. 246G		1.24.6G600	
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			

StandardMatic VISES



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

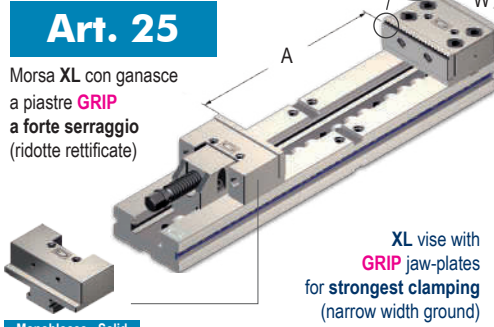
Art. 24



Art.	Pag.	Art.	Pag.
42	2.32	380	4.28
242	4.11	383	4.28
282	4.36	384	4.28
297	4.34	405	4.35
318	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	-	-

2

Tipo (grandezza) morsa Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN	4 30 kN					
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700	
	W	75	95	125		145				
	B	30	40	50		60				
	C	35	40	50		58				
	D	460	520	580	680	666	766	866	966	
	G	75	95	125		145				
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8	
	Cod.	2.25.12900	2.25.23200	2.25.33600	2.25.34600	2.25.44000	2.25.45000	2.25.46000	2.25.47000	



Monoblocco - Solid

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

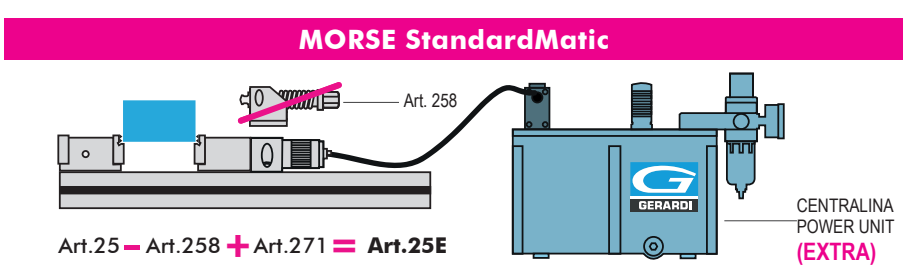
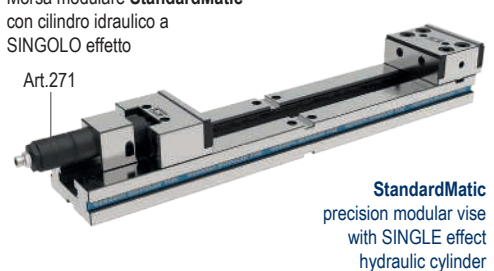
Art. 313R	Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
Coppia di Parallele magnetiche Pair of magnetic parallel plates	H	23	33	43	53

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

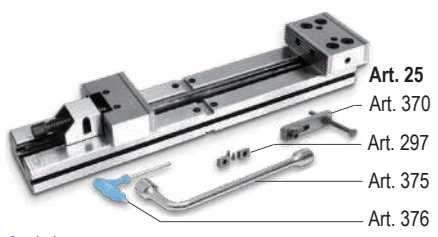
Art. 247	Cod.	1.65.17200	1.65.27200	1.65.37200	1.65.47200
Piastra piana in acciaio lavorabile Machinable steel straight jaw plate					

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

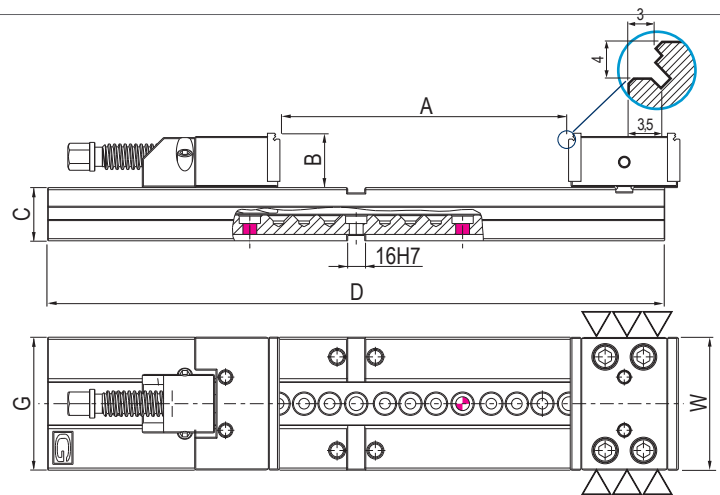
Art. 25E	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto NEW 2024					



- Dotazione standard:
- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiave (tolleranza H7) - MAN-020-STD



- Standard equipment:
- 1 workstop Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance) - 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	500	600	700	800	900	500	600	700	800	900	1000
W	170					195						
B	65					80						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	2.25.55000	2.25.56000	2.25.57000	2.25.58000	2.25.59000	2.25.65000	2.25.66000	2.25.67000	2.25.68000	2.25.69000	2.25.61000	2.25.61100

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

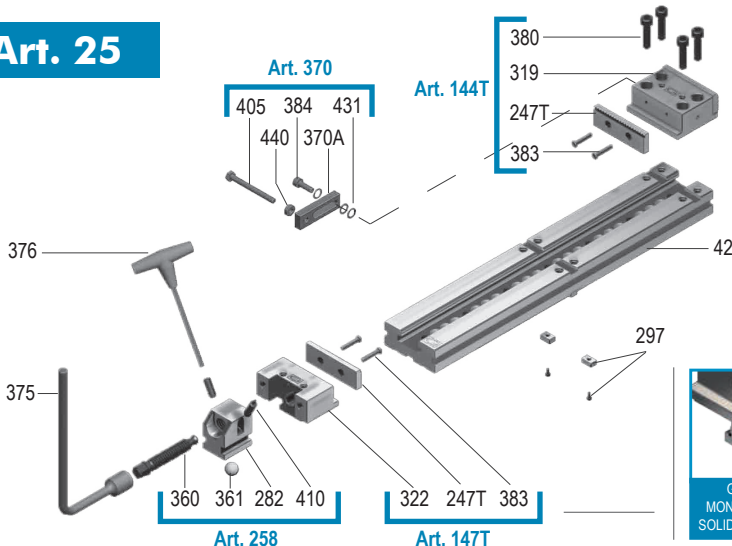
4.31.3R50C		4.31.3R60C
Art. 313R		
53		68
2.21.85000		2.21.86000
Art. 218		
1.65.57200		1.65.67200
Art. 247		
1.24.7G500		1.24.7G600
Art. 247G		
Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41	

StandardMatic VISES



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

Art. 25



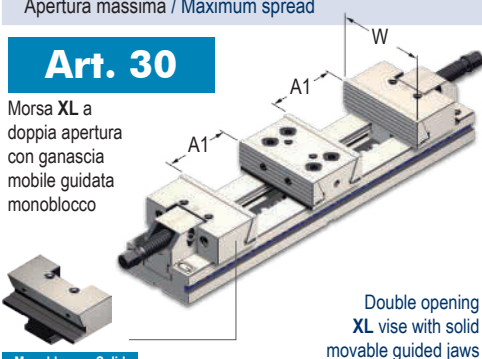
Art.	Pag.	Art.	Pag.
42	2.32	380	4.28
247T	4.11	383	4.28
282	4.36	384	4.28
297	4.34	405	4.35
319	4.30	410	4.36
322	4.30	431	4.28
360	4.36	440	4.28
361	4.36	-	-
370A	4.35	-	-
375	4.35	-	-
376	4.35	-	-

Tipo (grandezza) morsa / Vise type (size)

	1	2	3		4				
	16 kN	25 kN	30 kN		30 kN				
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
W	100	125	150		175				
B	30	40	50		60				
C	35	40	50		58				
D	460	520	580	680	666	766	866	966	
G	75	95	125		145				
kg	14.5	21	39	43	59	64	69	74	
Cod.	3.31.00600	3.32.10600	3.33.20600	3.33.30600	3.34.20600	3.34.30600	3.34.40600	3.34.50600	

Art. 30

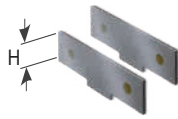
Morsa XL a doppia apertura con ganascia mobile guidata monoblocco



Double opening XL vise with solid movable guided jaws

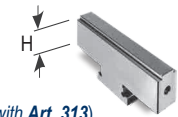
Monoblocco - Solid

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

 Coppia di Parallele magnetiche
 Pair of magnetic parallel plates


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

Art. 212

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


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

Art. 217

 Ganascia mobile prismatica
 Prismatic movable jaw


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

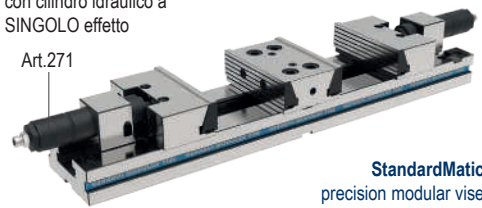
Art. 242G

 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
------	------------	------------	------------	------------

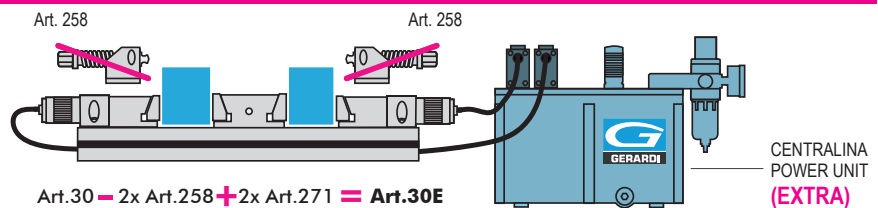
Art. 30E
NEW 2024

Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto



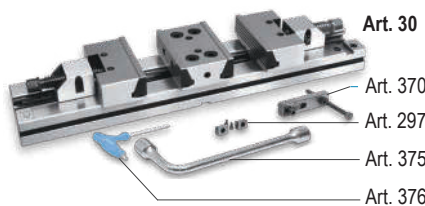
StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

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

MORSE StandardMatic


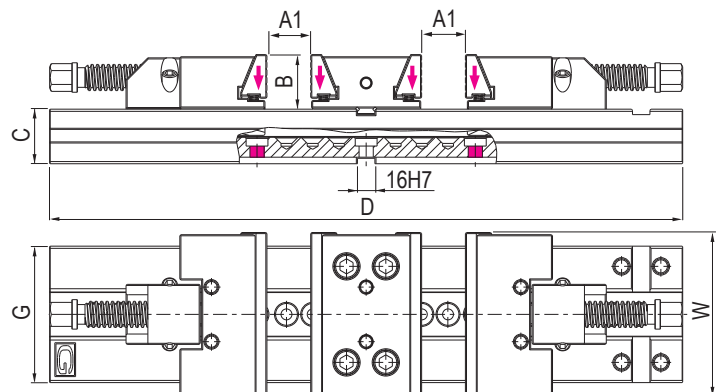
Dotazione standard:

- 2 arresti laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiavevta (tolleranza H7) - MAN-020-STD



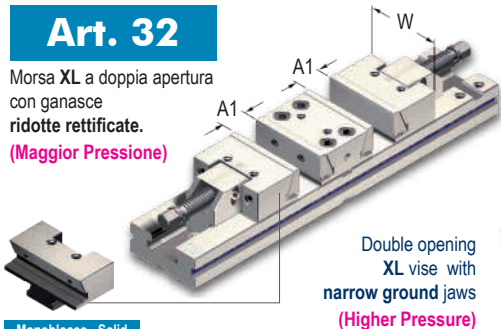
Standard equipment:

- 2 workstops Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance) - 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

2

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
W		75	95	125		145			
B		30	40	50		60			
C		35	40	50		58			
D		460	520	580	680	666	766	866	966
G		75	95	125		145			
kg		13.5	19.5	36	40	56	61	66	71
Cod.		3.31.00720	3.32.10720	3.33.20720	3.33.30720	3.34.20720	3.34.30720	3.34.40720	3.34.50720


AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

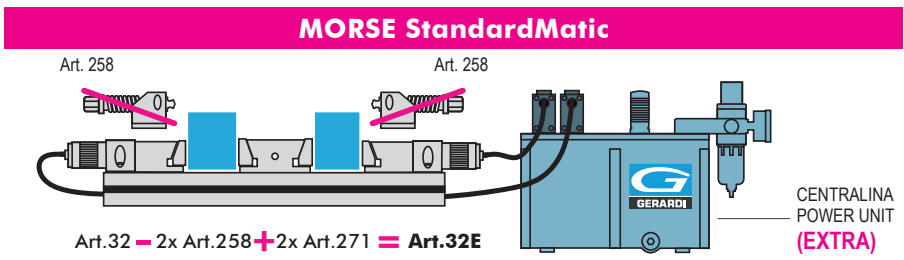
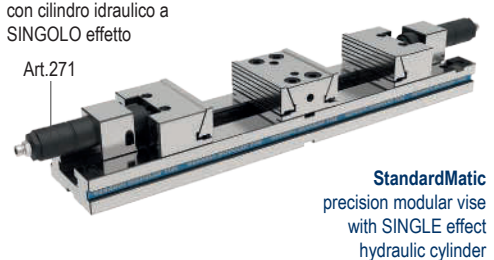
Art. 313R	Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C
Coppia di Parallele magnetiche / Pair of magnetic parallel plates	H	23	33	43	53

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

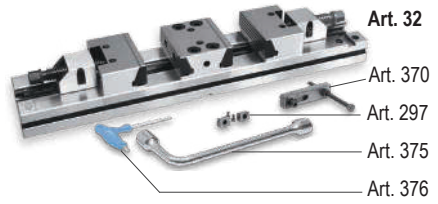
Art. 218	Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000
Ganascia mobile prismatica / Prismatic movable jaw					

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

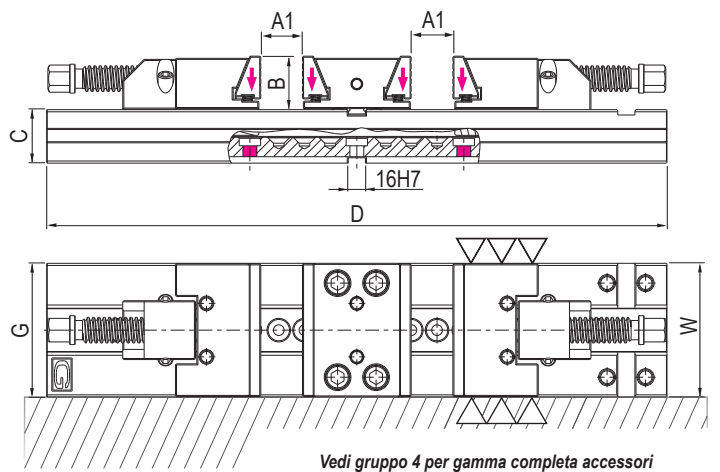
Art. 32E	Cod.	Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41			
Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto					



- Dotazione standard:
- 2 arresti laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiavevta (tolleranza H7) - MAN-020-STD



- Standard equipment:
- 2 workstops Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance) - 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						
	A1	2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410
W	170					195						
B	65					80						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	93	99	105	108	117	144	152	160	168	176	184	202
Cod.	3.35.20720	3.35.30720	3.35.40720	3.35.50720	3.35.60720	3.36.20720	3.36.30720	3.36.40720	3.36.50720	3.36.60720	3.36.70720	3.36.80720

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3R50C

4.31.3R60C

Art. 313R

53



68

1.21.35000

1.21.36000

Art. 213

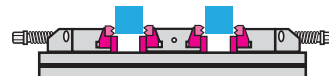

2.21.85000

2.21.86000

Art. 218


1.24.3G500

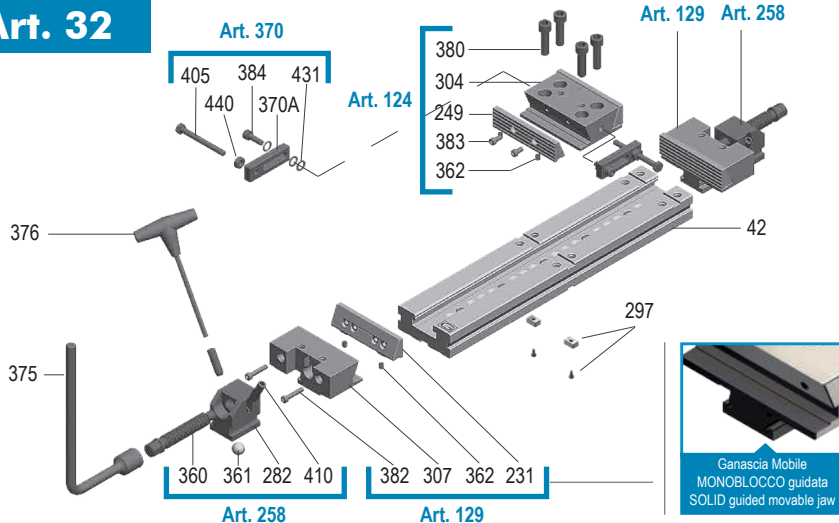
1.24.3G600

Art. 243G


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

StandardMatic VISES

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

Art. 32


Art.	Pag.	Art.	Pag.
42	2.32	375	4.35
231	4.9	376	4.35
249	4.9	380	4.28
282	4.36	382	4.28
297	4.34	383	4.28
304	4.29	384	4.28
307	4.29	405	4.35
360	4.36	410	4.36
361	4.36	431	4.28
362	4.28	440	4.28
370A	4.35	-	-

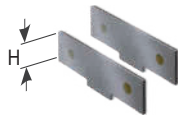


2

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
Art. 34 Morsa XL a doppia apertura con ganasce a piastre piane Double opening XL vise with straight-plate jaws 	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	2.34.19000	2.34.21000	2.34.31100	2.34.31600	2.34.41200	2.34.41700	2.34.42200	2.34.42700

Monoblocco - Solid

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

 Coppia di Parallele magnetiche
 Pair of magnetic parallel plates


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

Art. 212

 Ganasca 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

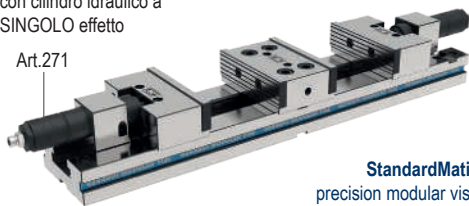

Cod.	1.65.16200	1.65.26200	1.65.36200	1.65.46200
------	------------	------------	------------	------------

Art. 246G

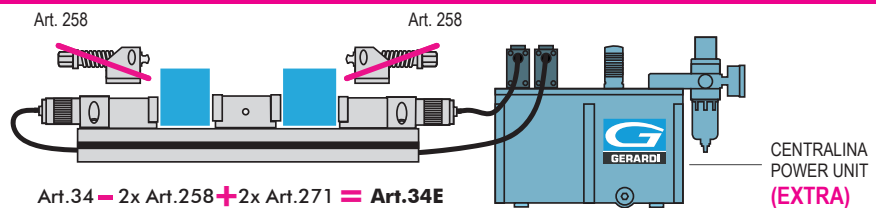
 Piastra ganasca con inserti GRIP
 completa di parallela magnetica
 Jaw plate with GRIP inserts with magnetic parallel


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

Art. 34E
NEW 2024

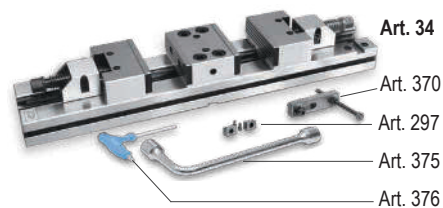
 Morsa modulare StandardMatic
 con cilindro idraulico a
 SINGOLO effetto

StandardMatic
 precision modular vise
 with SINGLE effect
 hydraulic cylinder

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

MORSE StandardMatic


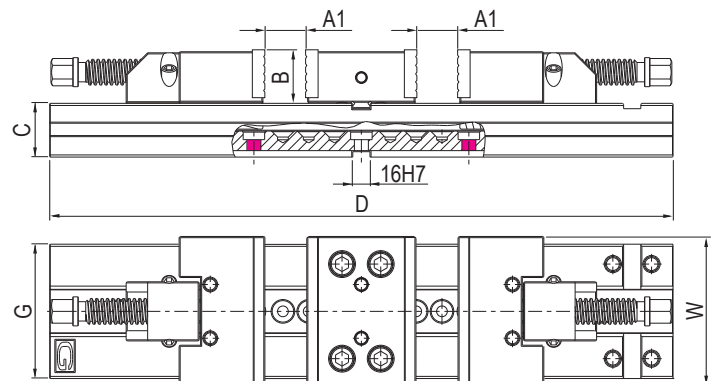
Dotazione standard:

- 2 arresti laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiavevta (tolleranza H7) - MAN-020-STD



Standard equipment:

- 2 workstops Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each calibrated hole (F7 tolerance) - 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						
	A1	2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410
W	200					300						
B	65					80						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	82.5	88.5	96.5	103.5	110.5	116	129	139	149	159	169	179
Cod.	2.34.51500	2.34.52000	2.34.52500	2.34.53000	2.34.53500	2.34.61600	2.34.62100	2.34.62600	2.34.63100	2.34.63600	2.34.64100	2.34.64600

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.31.3500C

53



4.31.3600C

68

1.21.25000

Art. 212


1.21.26000

1.65.56200

Art. 246


1.65.66200

1.24.6G500

Art. 246G

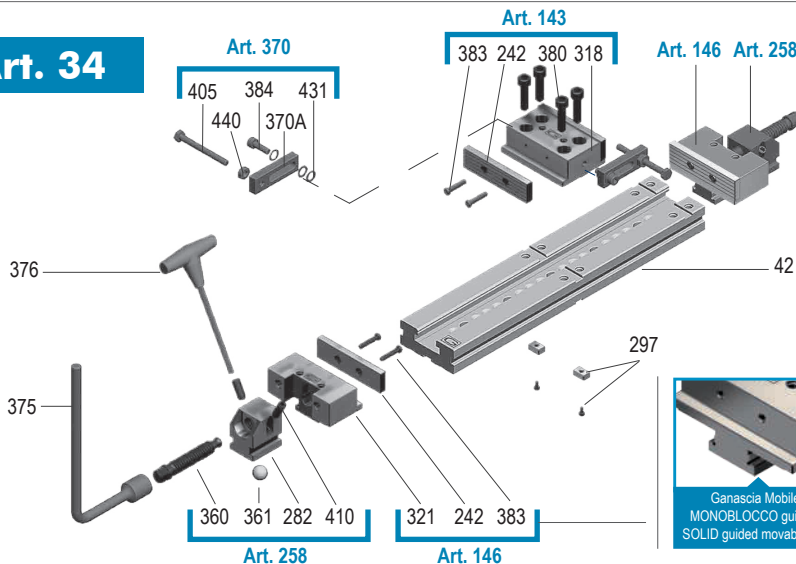

1.24.6G600

Cod.

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

StandardMatic VISES

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

Art. 34


Art.	Pag.
42	2.32
242	4.11
282	4.36
297	4.34
318	4.30
321	4.30
360	4.36
361	4.36
370A	4.35
375	4.35
376	4.35

Art.	Pag.
380	4.28
383	4.28
384	4.28
405	4.35
410	4.36
431	4.28
440	4.28
-	-
-	-
-	-
-	-


 Ganasia Mobile
 MONOBLOCCO guidata
 SOLID guided movable jaw

2

Tipo (grandezza) morsa
 Vise type (size)

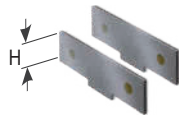
	1	2	3		4				
	16 kN	25 kN	30 kN		30 kN				
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
Art. 35	W	75	95	125		145			
	B	30	40	50		60			
	C	35	40	50		58			
	D	460	520	580	680	666	766	866	966
	G	75	95	125		145			
	kg	9.4	15.8	29.8	32.8	44.8	49.8	54.8	59.8
	Cod.	2.35.19000	2.35.21000	2.35.31100	2.35.31600	2.35.41200	2.35.41700	2.35.42200	2.35.42700

Monoblocco - Solid

 Morsa XL a doppia apertura con piastre ganasce **GRIP** a forte serraggio (ridotte rettificata)

 Double opening XL vise with **GRIP** jaw-plates for strongest clamping (narrow with ground)

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

 Coppia di Parallele magnetiche
 Pair of magnetic parallel plates


Cod. 4.31.3R10C 4.31.3R20C 4.31.3R30C 4.31.3R40C

H 23 33 43 53

Art. 218

 Ganaschia mobile prismatica
 Prismatic movable jaw


Cod. 2.21.81000 2.21.82000 2.21.83000 2.21.84000

Art. 247

 Piastra piana in acciaio lavorabile
 Machinable steel straight jaw plate

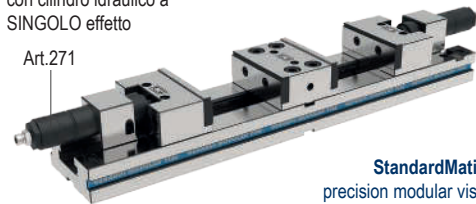

Cod. 1.65.17200 1.65.27200 1.65.37200 1.65.47200

Art. 247G

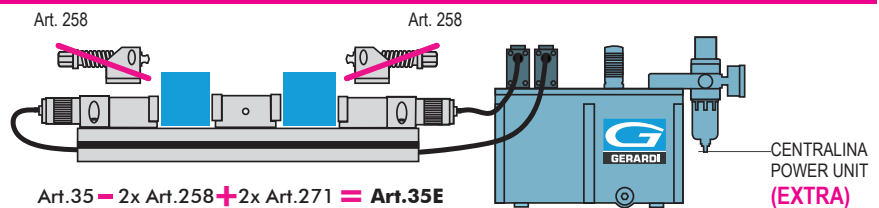
 Piastra ganaschia ridotta con inserti GRIP completa di parallela magnetica
 Narrow width jaw plate with GRIP inserts with magnetic parallel


Cod. 1.24.7G100 1.24.7G200 1.24.7G300 1.24.7G400

Art. 35E
NEW 2024

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

StandardMatic
 precision modular vise with SINGLE effect hydraulic cylinder

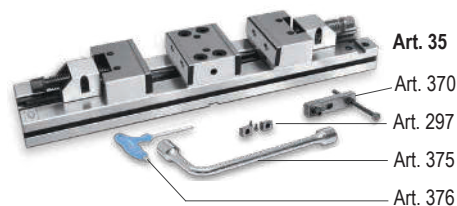
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

MORSE StandardMatic


Art.35 - 2x Art.258 + 2x Art.271 = Art.35E

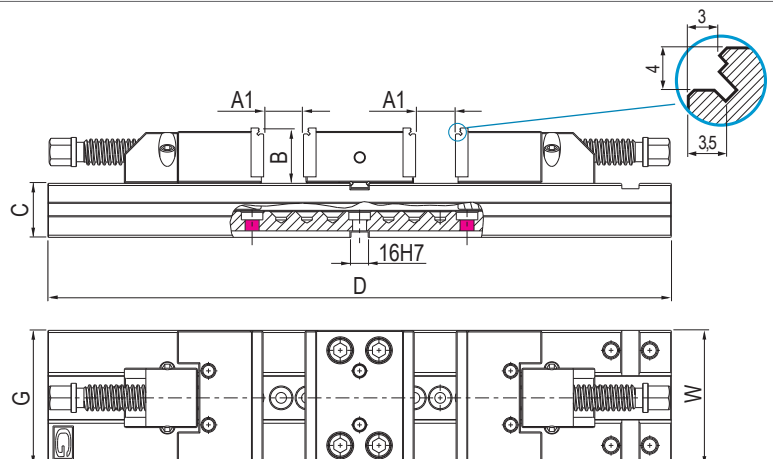
Dotazione standard:

- 2 arresti laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiavevta (tolleranza H7) - MAN-020-STD



Standard equipment:

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

 Extra charge for each calibrated hole (F7 tolerance) - 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

Morse e Cubi / Vises & Vise Towers

XL (flex)

Basi extra lunghe e piastre ganasce a cambio rapido!
Extra long bases and quick interchangeable jaw plate !



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



Durezza / Hardened
HRC 58 \pm 2

USURA INESISTENTE / NO WEAR

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

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

MODULARITÀ / MODULARITY

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

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

DESIGN COMPATTO / SPACE SAVING DESIGN

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

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

SERRAGGI RAPIDI / QUICK CLAMPING

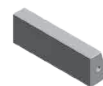
Grazie allo scorrimento del gruppo di serraggio nella guida della base (a cremagliera) fino in prossimità del pezzo da lavorare dove si adatterà automaticamente alla nicchia più vicina. L'operazione di serraggio si conclude agendo sulla vite di bloccaggio. Oltre a quello manuale meccanico, sono disponibili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

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



Art. 230B

Dolce
Soft



Art. 230C

Liscia
Smooth



Art. 230D

Zigrinata
Serrated



Art. 230E

Con gradino
With step



Art. 230F

Prismatica
Prismatic



Art. 230G

Con arresto a 90°
With 90° stop



Art. 230H

Bombata
Round



Art. 230M

Angolo di 30° o 45°
30° or 45° angle



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

Portapiastre The Rack

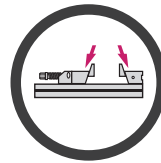
Completo di piastre ganasce a cambio rapido a gradino Art.230E
 Complete of quick change step jaw plates Art.230E

Vedi Pag. 4.22 - See Page.4.22



La morsa Gerardi XL come le sorelle più corte StandardFLEX, possono essere dotate di piastre ganasce a cambio rapido permettendo in questo modo oltre la lavorazione di un numero maggiore di pezzi sfruttando al massimo la lunghezza della tavola della macchina utensile anche 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 XL vises as the StandardFLEX series, can be equipped with the pull down jaw plates allowing to machine more workpieces using the total length of the machine tool and the quickest jaw plate hand substitution without any tool. This is possible thanks to the new design with pin with spring which increases the standard vise versatility while the prismatic grooves allow a perfect repositioning accuracy (within microns !!).



SCAN IT TO WATCH THE



VIDEO PRESENTATION



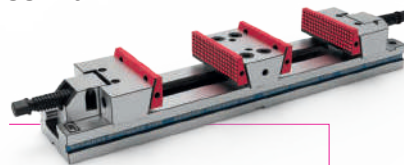
Dotata del geniale sistema a pettine per sostituire rapidamente la piastra ganascia discendente

Innovative Comb system for quick pull-down jaw plate change

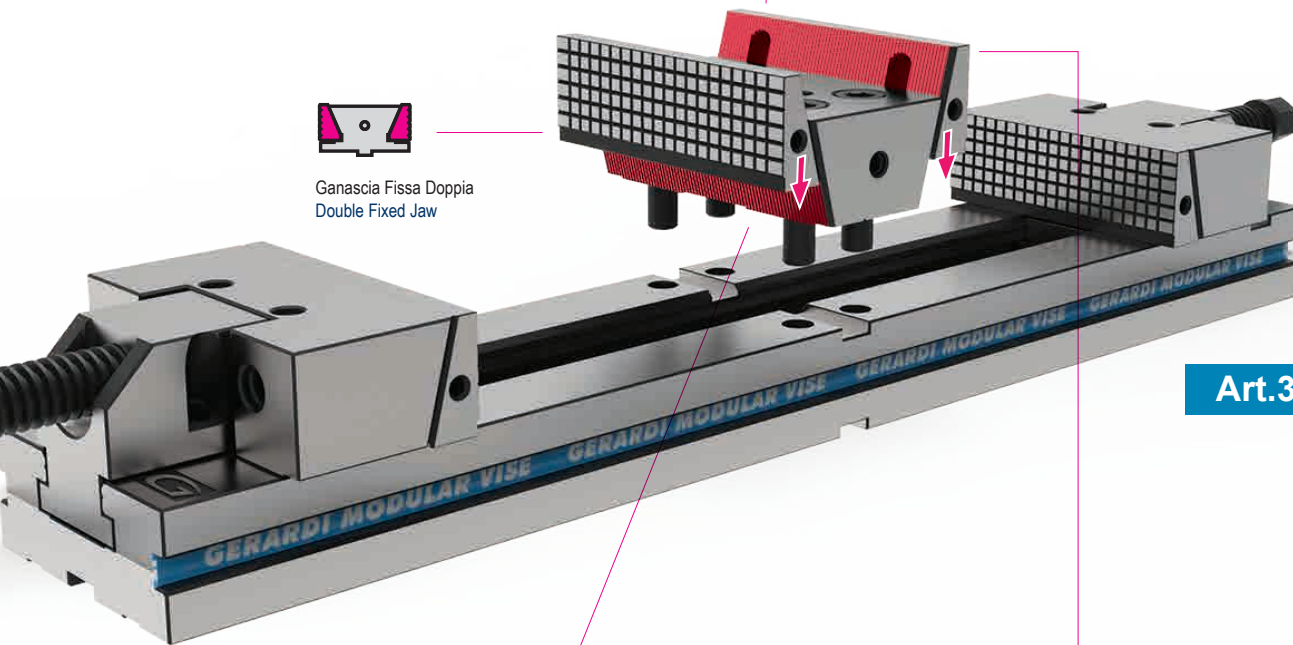
Riconfigurazione Rapidissima Quickest Vise Resetting

Grazie alla piastra ganascia intercambiabile manualmente tramite sistema a pettine

Thanks to the quick interchangeable jaw plate through ground comb system



Ganascia Fissa Doppia
Double Fixed Jaw



Art.30A

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

Altissima Ripetibilità di Posizionamento Highest Repositioning Accuracy $\pm 0,005\text{mm}$

Veloce e preciso grazie alla forma rettificata del sistema a pettine

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



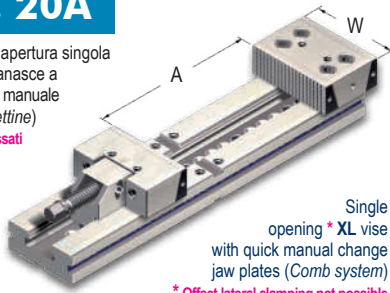
2

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	30 kN
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700
	W	96	121	146			171		
	B	28	38	48			58		
	C	35	40	50			58		
	D	460	520	580	680	666	766	866	966
	G	75	95	125			145		
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	2.20.A1290	2.20.A2320	2.20.A3360	2.20.A3460	2.20.A4400	2.20.A4500	2.20.A4600	2.20.A4700

Art. 20A

Morsa *XL a apertura singola con piastre ganasce a cambio rapido manuale (Sistema a pettine)

* Serraggi disassati lateralmente non possibili



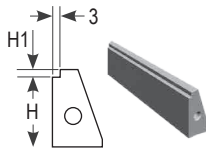
Single opening *XL vise with quick manual change jaw plates (Comb system)

* Offset lateral clamping not possible

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

Piastra ganasce intercambiabile Interchangeable jaw plate

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

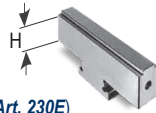


Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401
H	23	33	43	53
H1	5	5	5	5

Art. 212

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

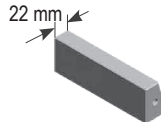
Intermediate movable jaw (to be used with Art. 230E)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
H				

Art. 230B

Piastra ganasce intercambiabile dolce Soft interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401
H				

Art. 230F

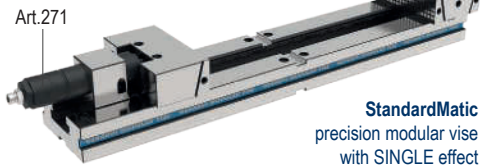
Piastra ganasce intercambiabile prismatica Prismatic interchangeable jaw plate



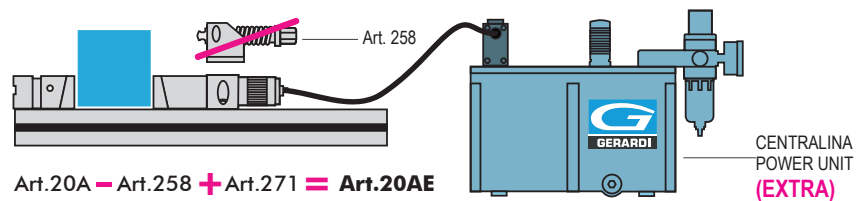
Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401
H				

Art.20AE
NEW 2024

Morsa modulare StandardMatic con cilindro idraulico a SINGOLO effetto



StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

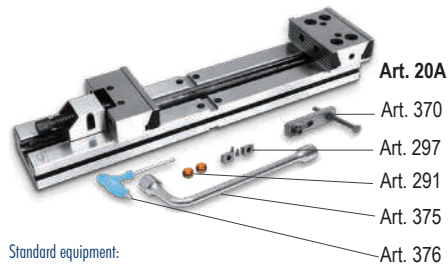
MORSE StandardMatic


Art.20A - Art.258 + Art.271 = Art.20AE

CENTRALINA POWER UNIT (EXTRA)

Dotazione standard:

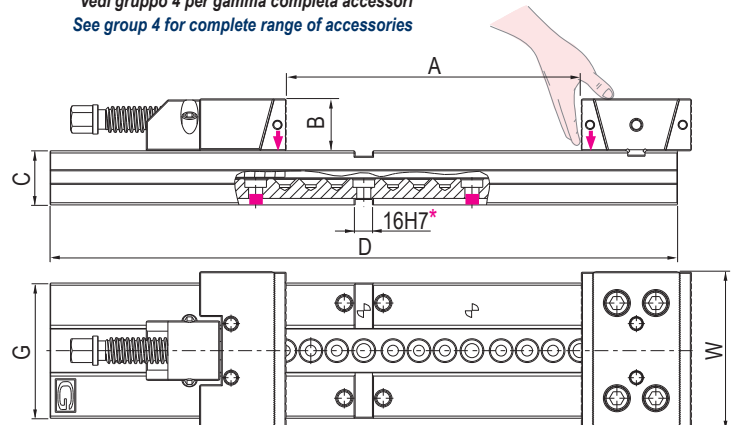
- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 2 tappi Art. 291 ■ 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiave (tolleranza H7) - MAN-020-STD



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
- 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


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

	5 40 kN					6 40 kN						
	A	500	600	700	800	900	500	600	700	800	900	1000
W	196					296						
B	63					78						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	2.20.A5500	2.20.A5600	2.20.A5700	2.20.A5800	2.20.A5900	2.20.A6500	2.20.A6600	2.20.A6700	2.20.A6800	2.20.A6900	2.20.A6100	2.20.A6110

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501

Art. 230E

H	53
H1	10



4.23.0E601

H	68
H1	10

1.21.25000

Art. 212


1.21.26000

4.23.0B501

Art. 230B


4.23.0B601

4.23.0F501

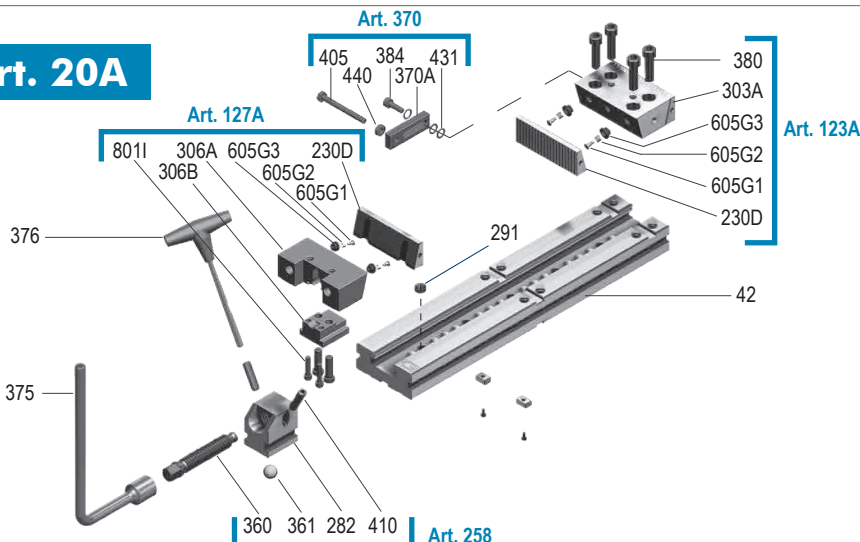
Art. 230F


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. 20A

Art. **Pag.**

42	2.32
230D	4.21
282	4.36
291	4.35
297	4.34
303A	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
-	-

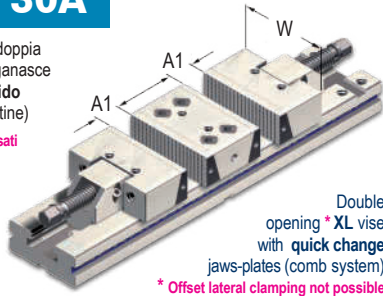
2

Tipo (grandezza) morsa / Vise type (size)	kN	1		2		3		4	
		16 kN	25 kN	30 kN	30 kN	30 kN	30 kN	30 kN	
Apertura massima / Maximum spread	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270
	W	96	121	146			171		
	B	28	38	48			58		
	C	35	40	50			58		
	D	460	520	580	680	666	766	866	966
	G	75	95	125			145		
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	2.30.A1900	2.30.A2100	2.30.A3110	2.30.A3160	2.30.A4120	2.30.A4170	2.30.A4220	2.30.A4270

Art. 30A

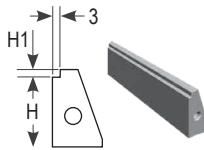
Morsa *XL a doppia apertura con ganasce a cambio rapido (sistema a pettine)

* Serraggi disassati lateralmente non possibili


 Double opening *XL vise with quick change jaws-plates (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	53
H1	5	5	5	5

Art. 212

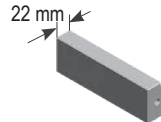
 Ganascia mobile intermedia
 (da usare con Art. 230E)

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



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
H				

Art. 230B

 Piastra ganascia intercambiabile dolce
 Soft interchangeable jaw plate


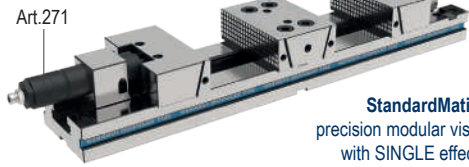
Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401
H				

Art. 230F

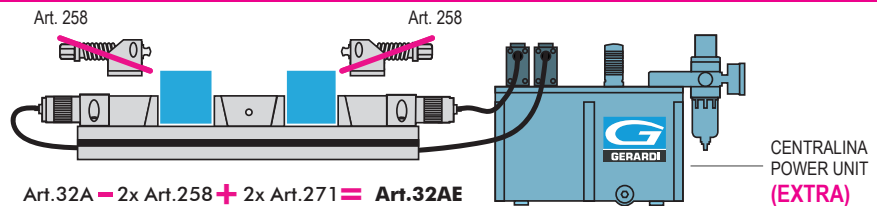
 Piastra ganascia intercambiabile prismatica
 Prismatic interchangeable jaw plate


Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401
H				

Art.30AE
NEW 2024

 Morsa modulare StandardMatic
 con cilindro idraulico a SINGOLO effetto


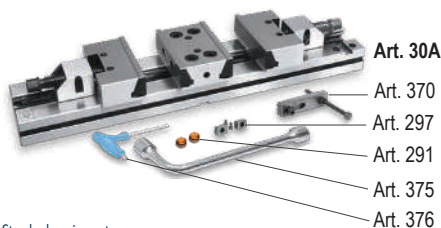
StandardMatic precision modular vise with SINGLE effect hydraulic cylinder

MORSE StandardMatic


Art.32A - 2x Art.258 + 2x Art.271 = Art.32AE

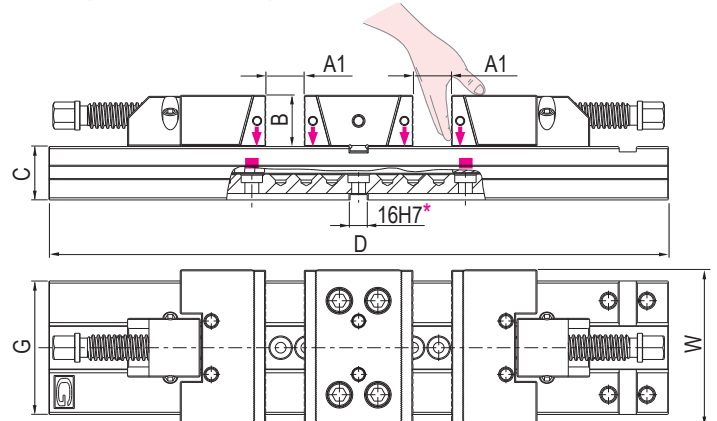
Dotazione standard:

- 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
- Extra per ogni foro calibrato (tolleranza F7) - MAN-010-STD
 Extra per ogni chiave a T (tolleranza H7) - MAN-020-STD



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
- 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

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

	5 40 kN					6 40 kN						
A1	2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410	2 x 460
W	196					296						
B	63					78						
C	70					78						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
G	170					195						
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	2.30.A5150	2.30.A5200	2.30.A5250	2.30.A5300	2.30.A5350	2.30.A6160	2.30.A6210	2.30.A6260	2.30.A6310	2.30.A6360	2.30.A6410	2.30.A6460

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

4.23.0E501

Art. 230E

H	53
H1	10



4.23.0E601

H	68
H1	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

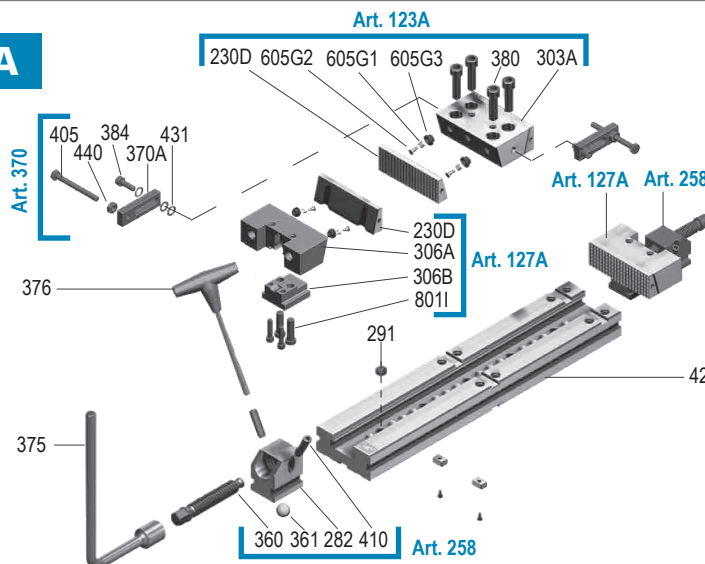
Cod. Vedi pag. 4.40 - 4.41 - See pag. 4.40 - 4.41

StandardMatic VISES



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

Art. 30A



Art.	Pag.
42	2.32
230D	4.21
282	4.36
291	4.35
297	4.34
303A	4.30
306A	4.30
306B	4.30
360	4.36
361	4.36
370A	4.35
375	4.35

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

Tipo (grandezza) / Type (size)
Art. 42

 Slittone base serie **XL**
 senza alcuna dotazione

 Vise base **XL** series
 supplied without any accessory

	1	2	3	4				
D	450	520	580	680	666	766	866	966
kg	6.6	10.7	20.7	24.7	30.2	34.8	39.3	43.8
Cod.	1.80.11460	1.80.21520	1.80.31580	1.80.31680	1.80.41666	1.80.41766	1.80.41866	1.80.41966

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

Art. 42Z

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

 Vise base **Zero Point** series
 supplied without any accessory

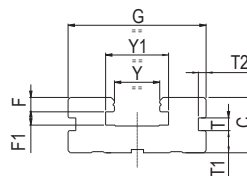
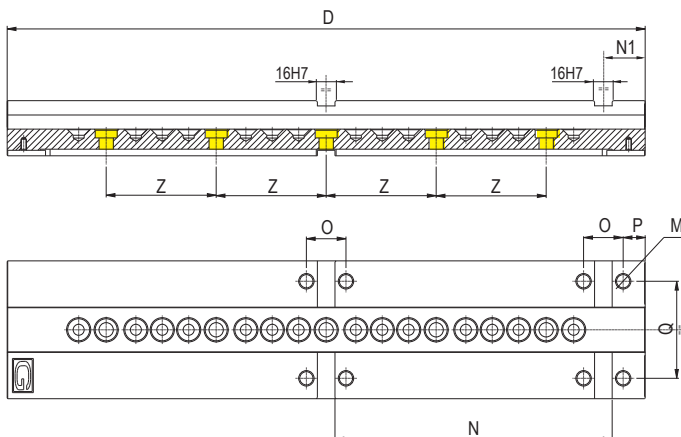
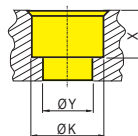
	1	2	3	4				
D	450	520	580	680	666	766	866	966
kg	6.4	10.5	20.5	24.5	29.9	34.5	39	43.5
Cod.	2.42.Z1460	2.42.Z2520	2.42.Z3580	2.42.Z3680	2.42.Z4666	2.42.Z4766	2.42.Z4866	2.42.Z4966

Tolleranza / Tolerance

- 0,02

C	35	40	50		38			
D	450	520	580	680	666	766	866	966
F	10	12	13				15	
F1	10	10	12				18	
G	75	95	125				145	
Y	21	28	41				51	
Y1	31	41	57				70	
M	M10	M12	M14				M16	
N	195	225	252	302	293	343	393	443
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	
Z	100	100	100				100	

Art. 42

 Slittone base serie **XL** / Vise base **XL** series

Dettaglio foro per vite TCEI / TCEI screw hole details


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

	5					6						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300*	1400*	1500*
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.80.51805	1.80.51905	1.80.51005	1.80.51105	1.80.51205	1.80.61900	1.80.61000	1.80.61100	1.80.61200	1.80.61300	1.80.61400	1.80.61500

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

* Base composta da 2 pezzi uniti
 Base made of 2 spliced pieces

D	805	905	1005	1105	1205	900	1000	1100	1200	*1300	*1400	*1500
kg	60	65	70	75	80	91	101	111	121	131	141	151
Cod.	2.42.Z5805	2.42.Z5905	2.42.Z5005	2.42.Z5105	2.42.Z5205	2.42.Z6900	2.42.Z6100	2.42.Z6110	2.42.Z6120	2.42.Z6130	2.42.Z6140	2.42.Z6150

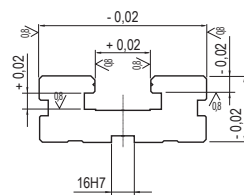
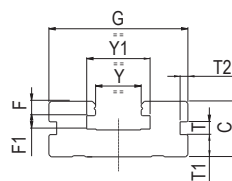
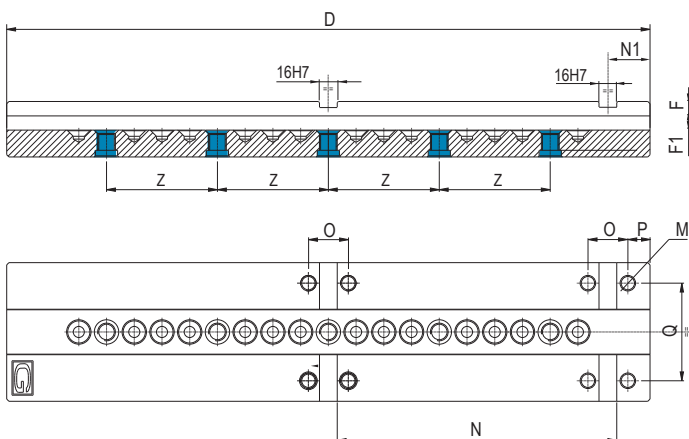
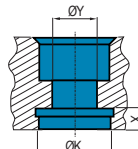
* Base composta da 2 pezzi uniti
 Base made of 2 spliced pieces

C	70					58						
D	805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
F	20					20						
F1	18					18						
G	170					195						
Y	61					71						
Y1	80					90						
M	M20					M20						
N	357,5	407,5	457,5	507,5	557,5	405	455	505	555	605	655	707
N1	45					45						
O	44					44						
P	23					23						
Q	120					133						
T	17,5					17,5						
T1	26					26						
T2	10					10						
Z	100					100						

Art. 42Z

Slittone base serie Zero Point / Vise base Zero Point series

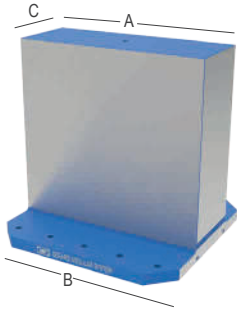
Tolleranze generiche per morse XL / XL vise generic tolerances


Dettaglio foro per Zero Point / Zero Point hole details


Type	1	2	3	4	5	6
X	6					
Y	M16	M16	M16	M16	M16	M16
Ø K	20					

PREDISPOSIZIONE e MONTAGGIO MORSE su SPALLE LAVORATE

TOMBSTONES SET-UP and VISES MOUNTING on 2 SIDE MACHINED TOMBSTONES

Art. 55C
Spalla lavorata
 2 sides machined tombstone

 Dim. A=800 / B=800 /
 C=300 / H=800

Cod. 8.55.C00191

Art. 35
Tipo di morsa
 Vise type

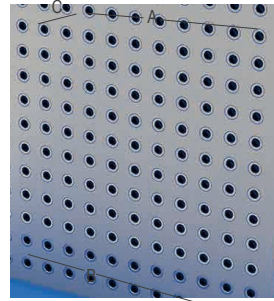

Art.35 Type 4 2x170

Cod. 2.35.41700

Numero morsa x **4**
 Vises number

MONTAGGIO e ALLINEAMENTO MORSE su SPALLE a RETICOLO

ALIGNEMENT and VISES MOUNTING on 2 SIDE GRID TOMBSTONES

Art. 55F
Spalla a reticolo
 2 sides grinded tombstone

 Dim. A=800 / B=800 /
 C=300 / H=800

Cod. 8.55.F00191

Art. 35
Tipo di morsa
 Vise type


Art.35 Type 4 2x170

Cod. 2.35.41700

Numero morsa x **6**
 Vises number

Predisposizione e montaggio completo

Complete set up & mounting



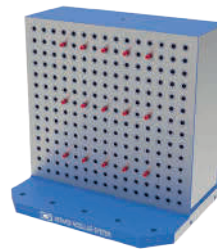
Cod. MAN-040-STD

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).

Montaggio ed allineamento (standard)

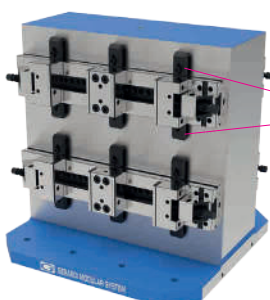
(Standard) Assembly and alignment



Cod. MAN-070-STD

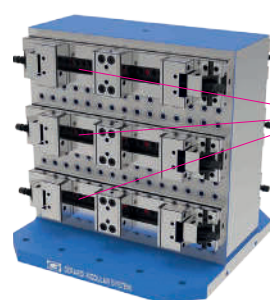
Montaggio di una o più morse e/o attrezzature già predisposte tra loro comprensivo di controllo manuale. Il prezzo di listino comprende manodopera, viti, staffe e tasselli per singola morsa.

Assembly of one or more vises or equipments already interfaced between themselves complete of manual check. The list price includes working hours, screws, holding clamps and key-nuts for only one vise.

Cubo con morsa
 Cube with vises


Art.296

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

Cubo con morsa
 Cube with vises


Art.83

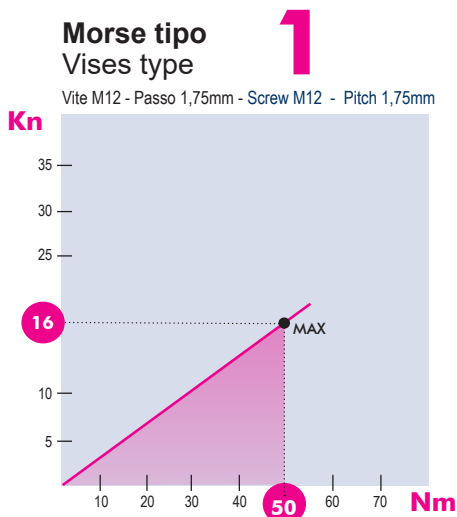
 TABULATO controllo DEA - MAN-100-STD
 PRINTOUT DEA control - MAN-100-STD

Diagrammi di serraggio / Clamping diagrams

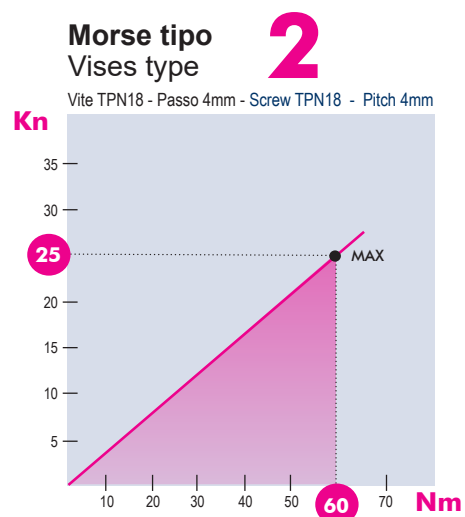
XL extra long bases

Diagrammi di serraggio meccanico con chiave dinamometrica

Mechanical clamping diagrams with torque wrench

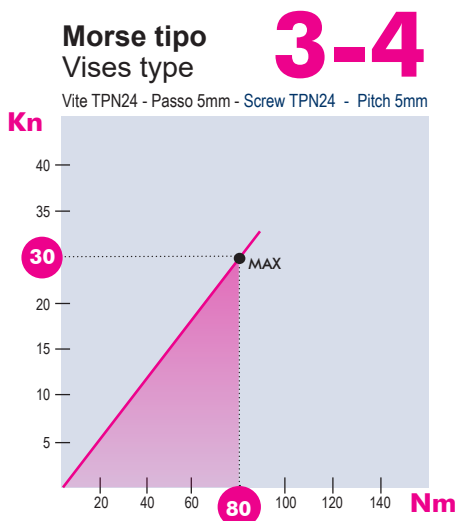


Art. 357

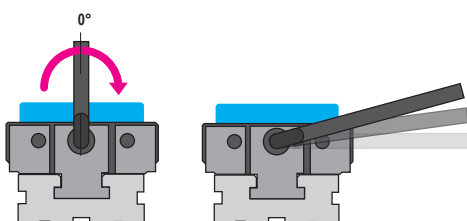
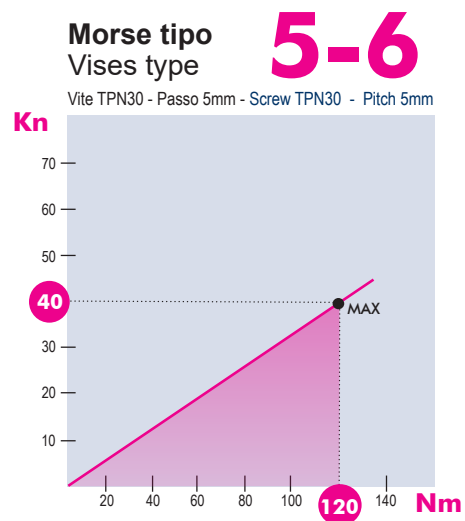


Gruppi di serraggio meccanici (Art. 258 e similari) / Mechanical clamping devices (Art. 258 and similar)

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



Art. 357



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

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

Type (Size)	1	2	3	4	5	6
Kn	12	26	36	46	50	50

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

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

CONTROLLO ALLINEAMENTO TRA CAVA TRASVERSALE E GANASCIA FISSA

ALIGNMENT BETWEEN THE CROSS KEYWAY AND THE FIXED JAW PLATE

2

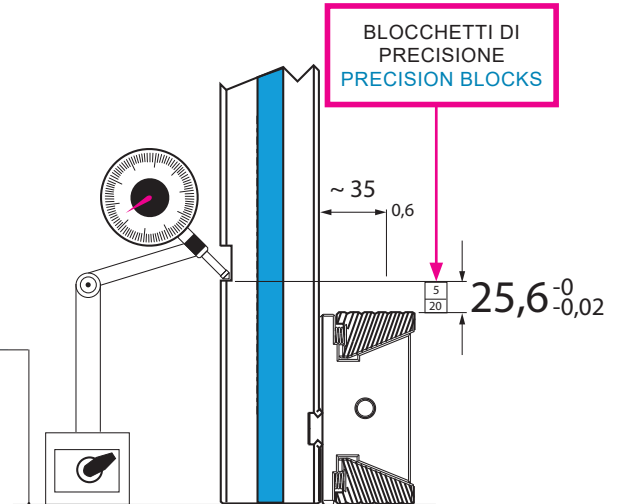
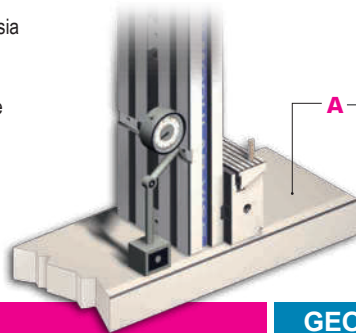
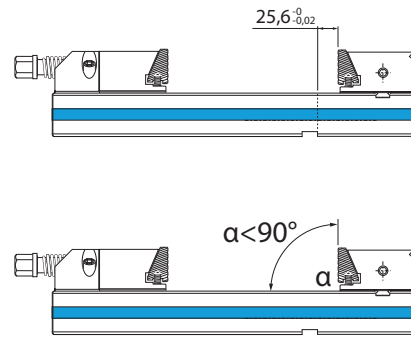
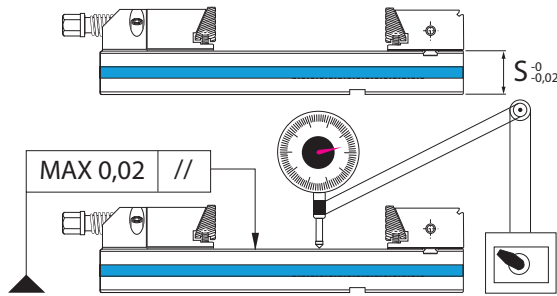
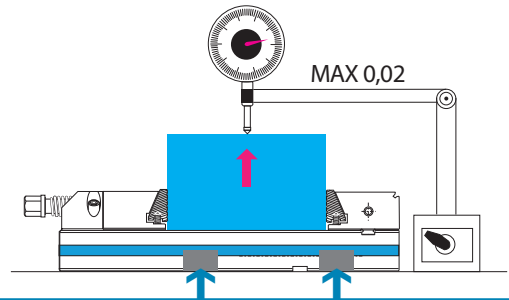
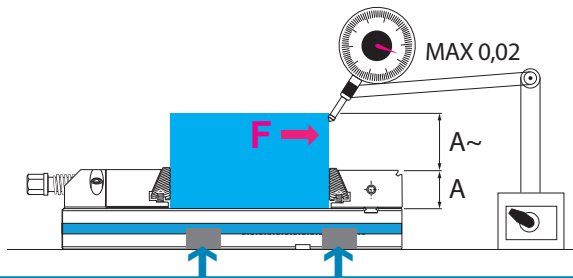

Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica le istruzioni complete

Scan the QR code to download the complete instructions

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

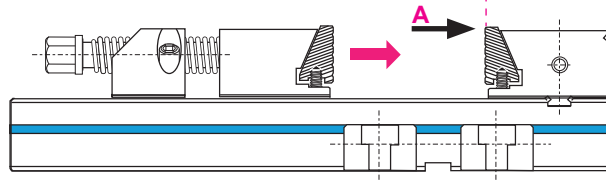
Set the vise vertically ensuring that it is perfectly parallel to the table **A** in both sides. Then with an indicator check the parallelism of the keyway and its alignment with the fixed jaw plate.


TOLLERANZE GEOMETRICHE
GEOMETRIC ACCURACIES

TOLLERANZE DINAMICHE
DYNAMIC ACCURACIES


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

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

1 kgf . m = 9.806 Nm



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

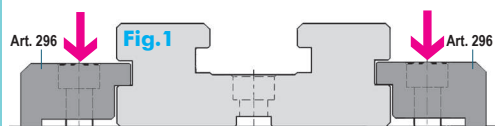
Il sistema consigliato per l'ancoraggio della morsa sulla tavola macchina è tramite STAFFE Art.296. (Fig.1)

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

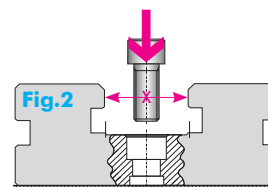
Nella tabella seguente sono riportati i valori di coppia massima applicabile mediante chiave dinamometrica

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

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



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



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