

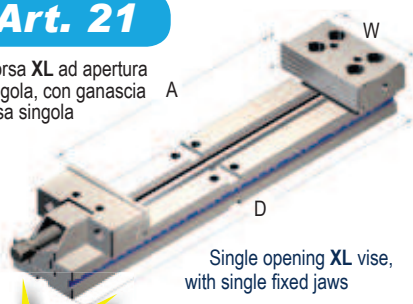


2

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	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.	2.21.00000	2.21.23200	2.21.33600	2.21.34600	2.21.44000	2.21.45000	2.21.46000	2.21.47000

Art. 21

Morsa XL ad apertura singola, con ganascia fissa singola

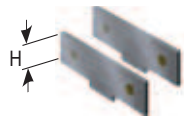


Single opening XL vise, with single fixed jaws

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 313

Piastre magnetiche parallele piane
Magnetic parallel plates



Cod.	4.31.31000	4.31.32000	4.31.33000	4.31.34000
H	23	33	43	53

Art. 212

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



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000
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Art. 217

Ganascia mobile prismatica
Prismatic movable jaw



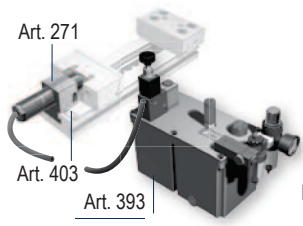
Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000
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Art. 271

Supporto di serraggio con cilindro idraulico
Clamping support with hydraulic cylinder



Cod.	2.27.11000	2.27.12000	2.27.13000	2.27.14000
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Art. 391
CNC / CNC

Art. 392
Pneumatico / Air control

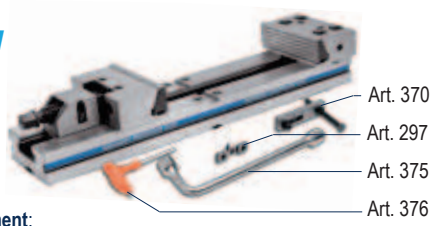
Cod.	4.39.11000	4.39.12000	4.39.13000	4.39.14000
Cod.	4.39.21000	4.39.22000	4.39.23000	4.39.24000

Servocomandi oleopneumatici (completi di 1 cilindro e supporto) per serraggi multipli **contemporanei** o **indipendenti**, da 2 a 6 morse. Vedi pagg. 4.32, 4.33, 4.34

Dotazione standard:

- 1 arresto laterale Art. 370
 - 1 coppia di tasselli di posizionamento Art. 297
(Standard per cava da 16 mm; altre dimensioni a richiesta senza variazione di prezzo)
 - 1 chiave a pipa Art. 375 ■ 1 chiave a "T" Art. 376
- Extra per ogni foro calibrato (tolleranza F7):

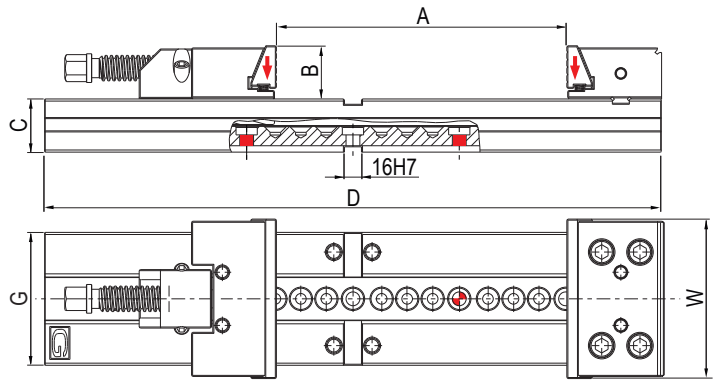
Art. 21



Standard equipment:

- 1 workstop Art. 370
 - 1 pair of positioning key-nuts Art. 297
(Standard for 16 mm slot. Other dimensions available on request without price change)
 - 1 box wrench Art. 375 ■ 1 T-wrench Art. 376
- Extra charge for each ground hole (F7 tolerance):

Art. 21



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



5 40 kN					6 40 kN						
500	600	700	800	900	500	600	700	800	900	1000	1100
		200						300			
		65						80			
		70						78			
805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500
		170						195			
64	69	74	79	84	95	105	115	125	135	145	155
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 !

4.31.35000  4.31.36000

Art. 313

53 68

1.21.25000  1.21.26000

Art. 212

2.21.75000  2.21.76000

Art. 217

2.27.15000  2.27.16000

Art. 271

4.39.15000  4.39.16000

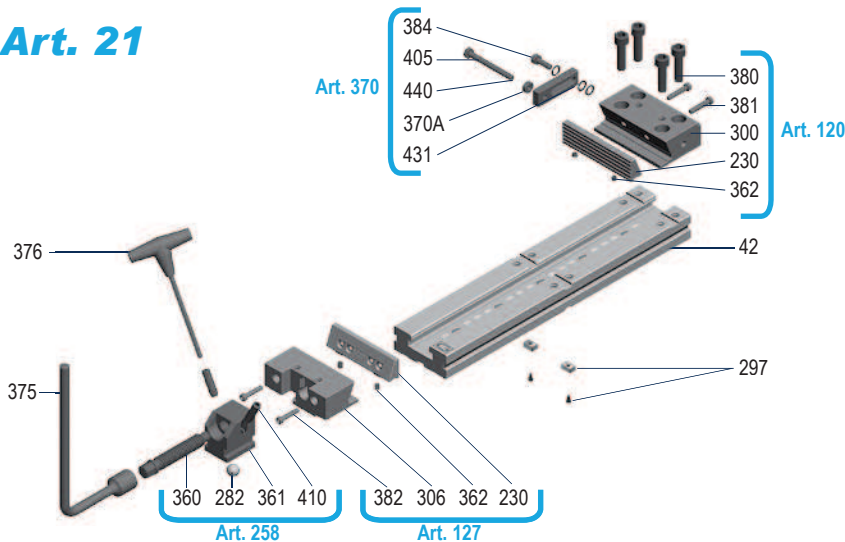
Art. 391

4.39.25000  4.39.26000

Art. 392

Pneumo-hydraulic servo units (complete of hydraulic cylinder + support) for multiple clamping *simultaneous* or *independent*, from 2 to 6 vises. See pagg. 4.32, 4.33, 4.34

Art. 21



Art.	Pag.	Art.	Pag.
42	2.24	375	4.25
230	4.7	376	4.25
248	4.5	380	4.20
282	4.26	382	4.18
297	4.25	383	4.18
300	4.19	384	4.20
306	4.21	405	4.27
360	4.28	410	4.28
361	4.28	431	4.20
362	4.20	440	4.20
370A	4.27	-	-

SERRAGGIO MECCANICO CON CHIAVE DINAMOMETRICA

MECHANICAL CLAMPING WITH TORQUE WRENCH

GRUPPI DI SERRAGGIO MECCANICI (**Art. 258 e similari**)

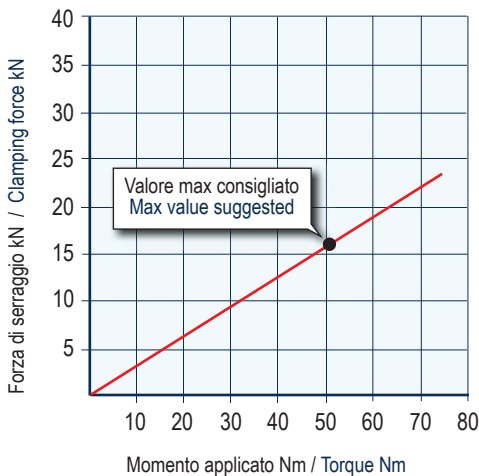
I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), in funzione del momento applicato

MECHANICAL CLAMPING DEVICES (**Art. 258 and similar**)

The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) as a function of the torque

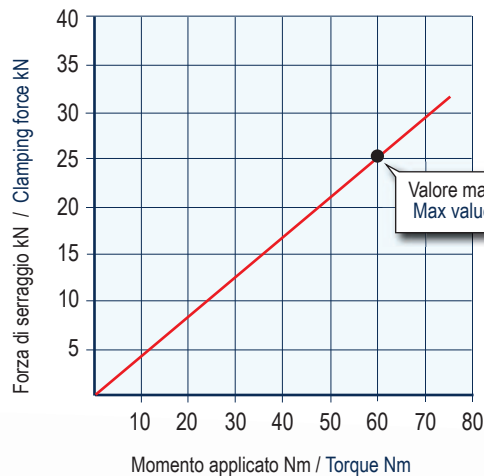
MORSE MODULARI XL TIPO 1
XL MODULAR VISES TYPE 1

Vite Ø 14 - Passo 4 mm
 Screw Ø 14 - Pitch 4 mm



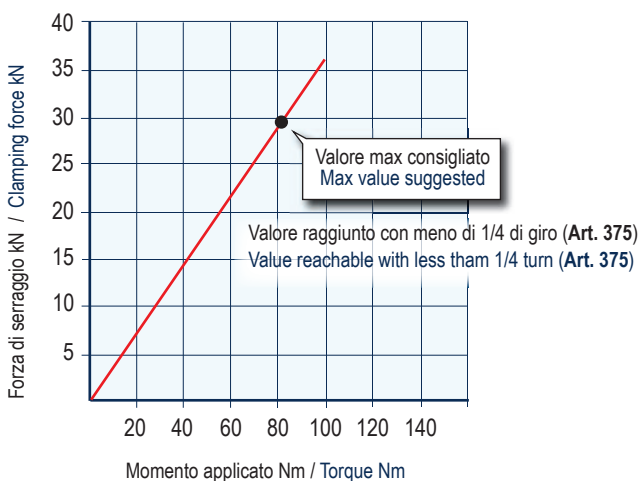
MORSE MODULARI XL TIPO 2
XL MODULAR VISES TYPE 2

Vite Ø 18 - Passo 4 mm
 Screw Ø 18 - Pitch 4 mm



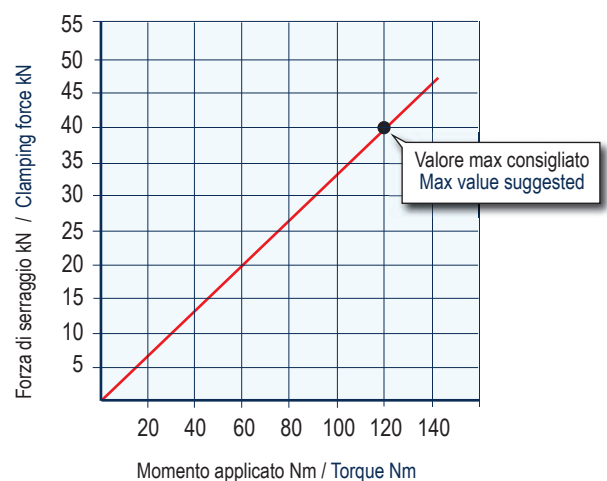
MORSE MODULARI XL TIPO 3-4
XL MODULAR VISES TYPE 3-4

Vite Ø 24 - Passo 5 mm
 Screw Ø 24 - Pitch 5 mm



MORSE MODULARI XL TIPO 5-6
XL MODULAR VISES TYPE 5-6

Vite Ø 30 - Passo 5 mm
 Screw Ø 30 - Pitch 5 mm



NB: Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a $\pm 10\%$.
 Per un corretto utilizzo non superare i valori indicati nel grafico

Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a $\pm 10\%$ range.
 For optimum operation do not exceed chart values.