

6

6

The most versatile vises!

MULTIFLEX

Morse e Cubi / Vises & Vise Towers

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[illegible]

VALIGETTA DI CAMPIONATURA STD (Art.600)
SAMPLE KIT CASE STD (Art.600)



SIMBOLOGIA DATI TECNICI

TECHNICAL DATA ICONS

GANASCE JAWS	 Fissa Fixed	 Mobile e fissa Fixed and movable	 Mobile e fissa a gradino Fixed and movable with step	 Mobile doppia Double movable
PIASTRE GANASCE JAW PLATES		 Piana Straight		 GRIP integrale Integral GRIP

POSSIBILITÀ POSSIBILITY		Predisposizione Zero Point Zero Point Ready		Cubi-morsa Vise tower		Divisore automatico Dividing head		Divisore Meccanico Mechanical dividing head
		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, **FMS** si riferisce agli articoli dei gruppi 5, 6 e 7.
In codes, **FMS** refers to articles in groups 5, 6 and 7.

Lavorazione extra Extra machining	Cod.	
AGGIUNTA di un foro calibrato. ADDITION of a calibrated hole.	MAN-010-FMS	
AGGIUNTA di una chiavetta calibrata. ADDITION of a calibrated key-way.	MAN-020-FMS	
PREDISPOSIZIONE SEMPLICE SIMPLE SET UP	MAN-030-FMS	
PREDISPOSIZIONE & MONTAGGIO COMPLETO COMPLETE SET UP & MOUNTING	MAN-040-FMS	
MONTAGGIO PARZIALE PARTIAL ASSEMBLY	MAN-050-FMS	

Lavorazione extra Extra machining	Cod.	
MONTAGGIO SEMPLICE SIMPLE ASSEMBLY	MAN-060-FMS	
MONTAGGIO ed ALLINEAMENTO (Standard) (Standard) ASSEMBLY and ALIGNMENT	MAN-070-FMS	
MONTAGGIO VERTICALE COMPLETE VERTICAL ASSEMBLY	MAN-080-FMS	
ALLINEAMENTO e CONTROLLO tramite DEA. ALIGNMENT and CONTROL by DEA \ CMM.	MAN-090-FMS	
TABULATO controllo DEA PRINTOUT DEA control	MAN-100-FMS	

Vedi pagina 6.44 per esempi applicativi - See page 6.44 for application examples

Morse e cubi morsa / Vises & vise-towers

MULTIFLEX SERIES

Per serraggi multipli fino a 19 particolari di varie dimensioni

For flexible clamping of multiple workpieces of various sizes

USURA INESISTENTE / NO WEAR

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. Costruzione in speciali lega di acciaio ad alta resistenza, normalizzato, cementato e temprato con durezza fino a 60 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 up to 60 HRC, 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.

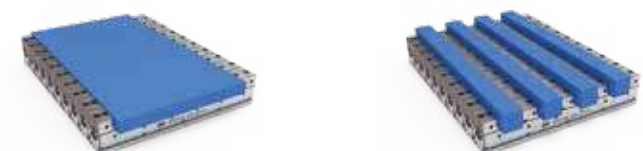
SERRAGGI ILLIMITATI / UNLIMITED CLAMPING

(Ganasce a gradino, zigrinate, lisce, per tondi, dolci, doppie, ecc.) La posizione, il numero o il tipo di ganascia può variare a seconda delle necessità di serraggio (possibilità di bloccare da 1 a 19 pezzi sulla stessa morsa) Pag.6.21

(Step jaws, serrated, flat, prismatic, soft, double, etc.) The jaws positioning, number or type could vary according to the workholding needs (from 1 to 19 pcs. clamping possibility on the same vise base) Page. 6.21

TEMPI DI ATTREZZAGGIO RIDOTTI REDUCED SET-UP TIMES

Posizionamenti ed ancoraggi delle ganasce sul corpo base di rapida esecuzione ed in prossimità del particolare da lavorare.
Quick and versatile jaws positioning very close to the workpiece.



MONTAGGIO IN PARALLELO - PARALLEL MOUNTING

10 morse - Serraggio di 1 particolare
10 vises - 1 workpiece clamped

10 morse - Serraggio di 4 particolari
10 vises - 4 workpieces clamped



MONTAGGIO IN LINEA - IN LINE MOUNTING

6 morse - Serraggio di 8 particolari
6 vises - 8 workpieces clamped

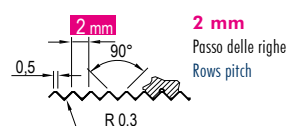
6 morse - Serraggio di 24 particolari
6 vises - 24 workpieces clamped



Precisione / Accuracy
±0,02mm



Durezza / Hardened
HRC 58±2



Versatilità - Versatility

Possibilità di posizionare, aggiungere o rimuovere le ganasce su qualsiasi posizione della dentatura della base.

Possibility of jaws positioning, addition or remove on whatever position on the vise base teeth



Massima precisione Highest accuracy

Garantita la massima precisione di posizionamento ed allineamento delle ganasce e delle morse grazie alla rettificatura dal pieno della dentatura di ancoraggio della base.

Highest accuracy guaranteed in positioning and alignment (±0,02 mm) thanks to the ground rack teeth on both the base and the fixed jaws.



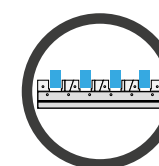
Azione discendente Pull down jaw action

Cuneo di spinta guidato grazie al sistema a pettine con righe rettifiche sulla ganascia fissa e mobile.

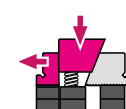
Wedge clamps with guided pull-down law action thanks to the ground comb-teeth even between the fixed and movable jaws

Le morse della serie MULTIFLEX rappresentano un innovativo sistema modulare di serraggio in grado di sfruttare al massimo la capacità della tavola della macchina e di aumentarne, di conseguenza, la produttività. Il sistema è stato ideato per poter serrare contemporaneamente un notevole numero di pezzi sulla tavola della macchina utensile, riducendo così notevolmente i tempi morti.

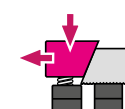
The MULTIFLEX series vises are a total new concept of modular clamping system able to maximize the machine table capacity and thus to increase its productivity. This system is designated for clamping several workpieces at the same time on the machine tool table, thus reducing tool changeover times.



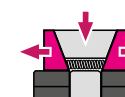
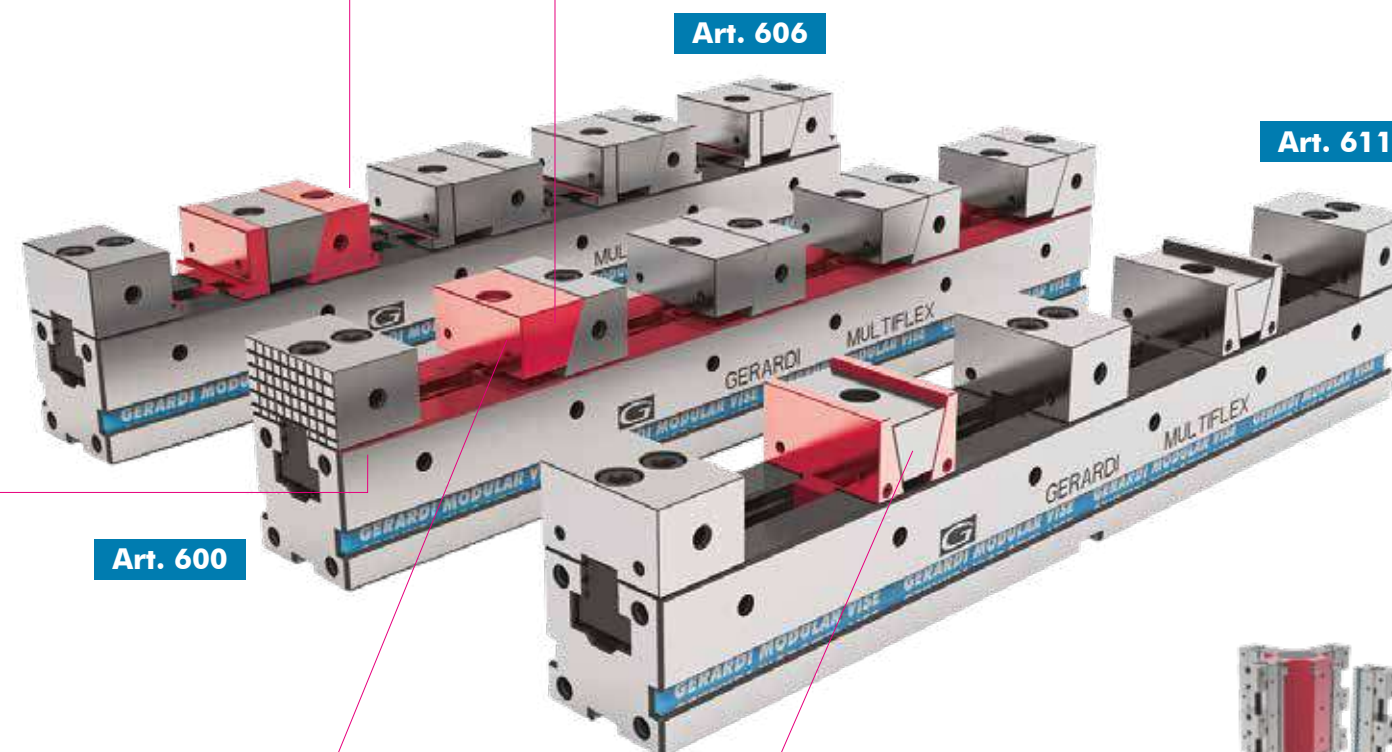
*Le morse più versatili !
The most versatile vises !*



Ganascia fissa e mobile
con gradino per il sollevamento del particolare
Fixed & Movable Jaw
with step to rise up the workpiece



Ganascia fissa e mobile
per particolari in appoggio sulla base
Fixed & Movable Jaw
with step to rise up the workpiece



Cuneo di spinta
Per il serraggio simultaneo di 2 particolari
Clamping Wedge
To the clamp of 2 workpieces simultaneously

Montaggio Verticale Vertical Set-Up

Tramite distanziali, strutture portapezzi o cubi-morsa verticali. Le morse modulari MULTIFLEX possono essere assemblate verticalmente, legate fra loro o montate su specifiche strutture portapezzi.

Through spacers, tombstones or vise-towers. MULTIFLEX vises can be vertically assembled linked each other or clamped to specific workholding structures.

Staffe d'ancoraggio / Vise holding clamps

NEW
2026

MULTIFLEX

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

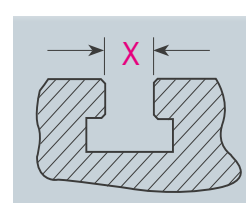
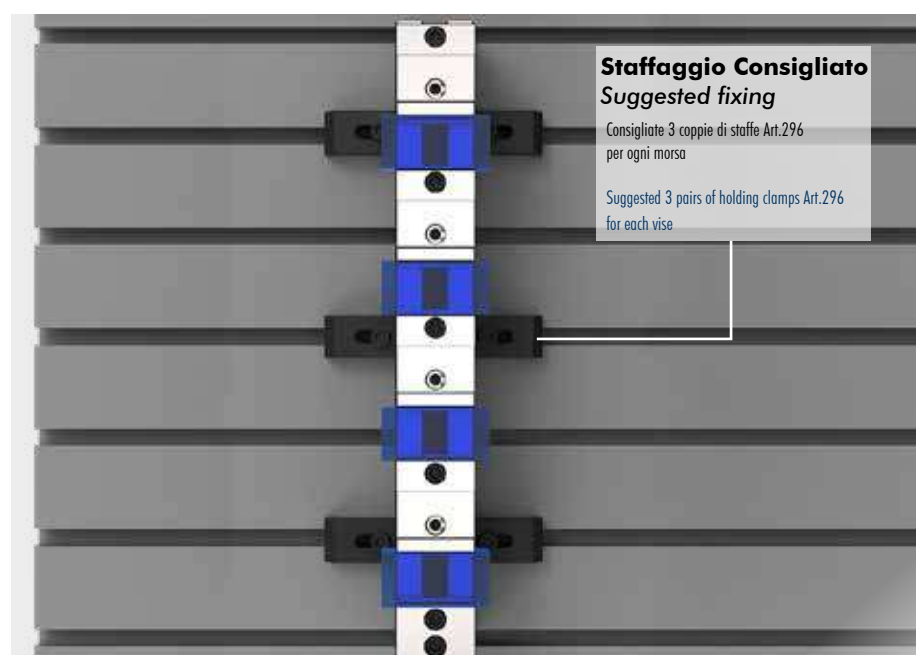


Esempio d'ordine per morsa tipo 3 su macchina con cave a T da 18mm: Art.296 T.3 X=18mm

Oppure con codice: 2.29.6200 X=18mm

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

Also with code: 2.29.6200 X=18mm



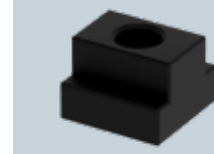
Cava a T

T Slot

Specificare sempre la cava della vostra macchina

Always specify the machine T-slot dimension

Ref N° Pag.4.34

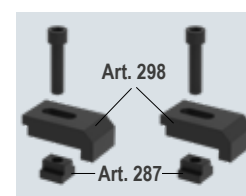


Art.287

Dadi a T - T Nuts

Per fissaggio morse alle cave a T della macchina

For vise clamping on the machine T-slots



Art.296

(Art.298 + Art.287)

Consigliate 3 coppie di staffe Art.296 per ogni morsa

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

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

* Scelta consigliata - Suggested choice

* Scelta NON consigliata - NOT Suggested choice

Soluzioni personalizzate / Customized solutions

MULTIFLEX

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems



Morse Multiflex montate verticalmente

Multiflex vises vertically mounted

Cubo portapezzi Art.53C con 8 morse Multiflex Art.606 2x600 montato su Matsura H.Plus 400 per serraggio di 32 pezzi

Tombstone Art.53C with 8 Multiflex vises Art.606 2x600 mounted on Matsura H.Plus 400 for 32 pcs clamping



Morse Multiflex

Multiflex vises

MorseMultiflex montate in parallelo su centro di lavoro verticale per serraggi multipli

Multiflex vises mounted in parallel on vertical machining centre for multiple clamping



Cubo Multiflex

Multiflex vise tower

Particolari fuori dimensione, ma lavorati su cubo Multiflex Art.607 tipo 2

Rather big work-pieces machined on a Multiflex vise tower Art.607 Type 2



Morse Multiflex su quarto asse

Multiflex vises on 4th axis

Morsa Multiflex con relativa piastra di interfaccia montata su quarto asse

Multiflex vise with interface plate assembled on 4th axis



Morse Multiflex

Multiflex vises

Morse Multiflex Art.611 Tipo 1x700mm con ganasce doppie montate su centro di lavoro HAAS per serraggio di 2 particolari, uno fuori dimensione ed uno molto più piccolo

Multiflex vises Art.611 Type 1x700mm with double jaws shown on Haas machining centre for 2 workpieces clamping, one rather big and the other much smaller.

GUIDA RAPIDA

Per la scelta della morsa Multiflex piú adatta alle vostre esigenze

Tipo (grandezza) morsa / Vise type (size)		1 20 kN			
		kN			
		D	300	400	500
		G ^{-0,02}	50	50	50
Art. 600		1 pezzo / piece	205	305	408
Art. 600W		2 pezzi / pieces	75	125	175
Art. 600S		3 pezzi / pieces	30	64	96
		4 pezzi / pieces	8	33	58
		5 pezzi / pieces	-	15	35
		6 pezzi / pieces	-	3	19
		7 pezzi / pieces	-	-	8
		8 pezzi / pieces	-	-	-
		9 pezzi / pieces	-	-	-
		10 pezzi / pieces	-	-	-
		11 pezzi / pieces	-	-	-
		12 pezzi / pieces	-	-	-
		Cod. Art. 600	6.60.01300	6.60.01400	6.60.01500
		Cod. Art. 600S	6.60.0S130	6.60.0S140	6.60.0S150
		Cod. Art. 600W	6.60.0W130	6.60.0W140	6.60.0W150

Tipo (grandezza) morsa / Vise type (size)		1 20 kN			
		kN			
		D	300 *	400	500
		G ^{-0,02}	50	50	50
Art. 606		1 pezzo / piece	193	293	393
Art. 606T		2 pezzi / pieces	63	113	163
		3 pezzi / pieces	19	53	86
		4 pezzi / pieces	-	23	48
		5 pezzi / pieces	-	-	25
		6 pezzi / pieces	-	-	-
		7 pezzi / pieces	-	-	-
		8 pezzi / pieces	-	-	-
		9 pezzi / pieces	-	-	-
		10 pezzi / pieces	-	-	-
		11 pezzi / pieces	-	-	-
		12 pezzi / pieces	-	-	-
		Cod. Art. 606	6.60.61300	6.60.61400	6.60.61500
		Cod. Art. 606T	6.60.6T130	6.60.6T140	6.60.6T150

Tipo (grandezza) morsa / Vise type (size)		1 20 kN			
		kN			
		D	300	400	500
		G ^{-0,02}	50	50	50
Art. 611		1 pezzo / piece	174	274	374
		2 pezzi / pieces	87	137	185
		3 pezzi / pieces	28	62	95
		4 pezzi / pieces	21	46	71
		5 pezzi / pieces	-	19	39
		6 pezzi / pieces	-	16	33
		7 pezzi / pieces	-	-	15
		8 pezzi / pieces	-	-	13
		9 pezzi / pieces	-	-	2
		10 pezzi / pieces	-	-	-
		11 pezzi / pieces	-	-	-
		12 pezzi / pieces	-	-	-
		Cod.	6.61.11300	6.61.11400	6.61.11500

QUICK GUIDE

For the proper Multiflex vise choice according to your specific application

	1 20 kN		2 30 kN						3 40 kN			
D	600	700	400	500	600	700	800	900	700	800	900	1000
G ^{-0,02}	50	50	75	75	75	75	75	75	100	100	100	100
1 pcs.	508	608	275	375	475	575	675	755	532	632	732	832
2 pcs.	225	275	100	150	200	250	300	350	217	267	317	367
3 pcs.	129	161	41	75	108	141	175	280	112	145	178	211
4 pcs.	83	108	12	37	62	87	112	137,5	59	84	109	134
5 pcs.	55	75	-	15	35	55	75	95	28	48	68	88
6 pcs.	36	52	-	-	16	33	50	66,5	7	23	39	55
7 pcs.	22	36	-	-	3	17	32	46	-	6	2	34
8 pcs.	12	24	-	-	-	6	18	31	-	-	5	18
9 pcs.	5	16	-	-	-	-	8	19	-	-	-	5
10 pcs.	-	8	-	-	-	-	-	10	-	-	-	-
11 pcs.	-	2	-	-	-	-	-	2	-	-	-	-
12 pcs.	-	-	-	-	-	-	-	-	-	-	-	-
Cod. Art.	6.60.01600	6.60.01700	6.60.02400	6.60.02500	6.60.02600	6.60.02700	6.60.02800	6.60.02900	6.60.03700	6.60.03800	6.60.03900	6.60.03100
Cod. Art.	6.60.0S160	6.60.0S170	6.60.0S240	6.60.0S250	6.60.0S260	6.60.0S270	6.60.0S280	6.60.0S290	6.60.0S370	6.60.0S380	6.60.0S390	6.60.0S310
Cod. Art.	6.60.0W160	6.60.0W170	6.60.0W240	6.60.0W250	6.60.0W260	6.60.0W270	6.60.0W280	6.60.0W290	6.60.0W370	6.60.0W380	6.60.0W390	6.60.0W310

D	600	700	400 *	500	600	700	800	900	700	800	900	1000
G ^{-0,02}	50	50	75	75	75	75	75	75	100	100	100	100
1 pcs.	493	593	262	362	462	562	662	762	512	612	712	812
2 pcs.	213	263	87	137	187	237	287	337	197	247	294	347
3 pcs.	119	152	28	62	95	128	162	195	92	125	158	191
4 pcs.	73	97	-	4 x 27	4 x 52	4 x 77	4 x 102	4 x 127	39	64	89	114
5 pcs.	45	64	-	2	22	42	62	82	8	28	48	68
6 pcs.	26	42	-	-	3	20	37	53,5	-	3	20	37
7 pcs.	13	26	-	-	-	4	19	33	-	-	-	14
8 pcs.	-	14	-	-	-	-	5	18	-	-	-	-
9 pcs.	-	5	-	-	-	-	-	6	-	-	-	-
10 pcs.	-	-	-	-	-	-	-	-	-	-	-	-
11 pcs.	-	-	-	-	-	-	-	-	-	-	-	-
12 pcs.	-	-	-	-	-	-	-	-	-	-	-	-
Cod. Art.	6.60.61600	6.60.61700	6.60.62400	6.60.62500	6.60.62600	6.60.62700	6.60.62800	6.60.62900	6.60.63700	6.60.63800	6.60.63900	6.60.63100
Cod. Art.	6.60.6T160	6.60.6T170	6.60.6T240	6.60.6T250	6.60.6T260	6.60.6T270	6.60.6T280	6.60.6T290	6.60.6T370	6.60.6T380	6.60.6T390	6.60.6T310

* Solo per tipo 1 x 300 e 2 x 400 n. 3 ganasce fisse-mobili in dotazione Stadard

* Only for type 1 x 300 and 2 x 400 n. 3 fixed-movable jaws Included in the standard equipment

D	600	700	400	500	600	700	800	900	700	800	900	1000
G ^{-0 -0,02}	50	50	75	75	75	75	75	75	100	100	100	100
1 pcs.	474	574	242	342	442	542	642	792	470	570	670	770
2 pcs.	237	287	121	171	221	271	321	371	235	285	335	285
3 pcs.	128	162	45	78	112	145	178	228	103	136	169	202
4 pcs.	96	121	34	59	84	109	134	158,5	77	102	127	152
5 pcs.	59	79	5	25	45	65	85	115	30	50	70	90
6 pcs.	49	66	-	21	38	54	71	87,5	25	41	57	73
7 pcs.	30	44	-	3	17	31	46	66,5	-	12	26	40
8 pcs.	26	38	-	-	15	27	40	52	-	11	23	35
9 pcs.	13	24	-	-	1	12	23	40	-	-	3	14
10 pcs.	12	22	-	-	-	11	21	31	-	-	-	-
11 pcs.	3	12	-	-	-	-	10	22,5	-	-	-	-
12 pcs.	2	11	-	-	-	-	9	16,5	-	-	-	-
Cod. Art.	6.61.11600	6.61.11700	6.61.12400	6.61.12500	6.61.12600	6.61.12700	6.61.12800	6.61.12900	6.61.13700	6.61.13800	6.61.13900	6.61.13100

GUIDA RAPIDA

Per la scelta della morsa Multiflex piú adatta alle vostre esigenze

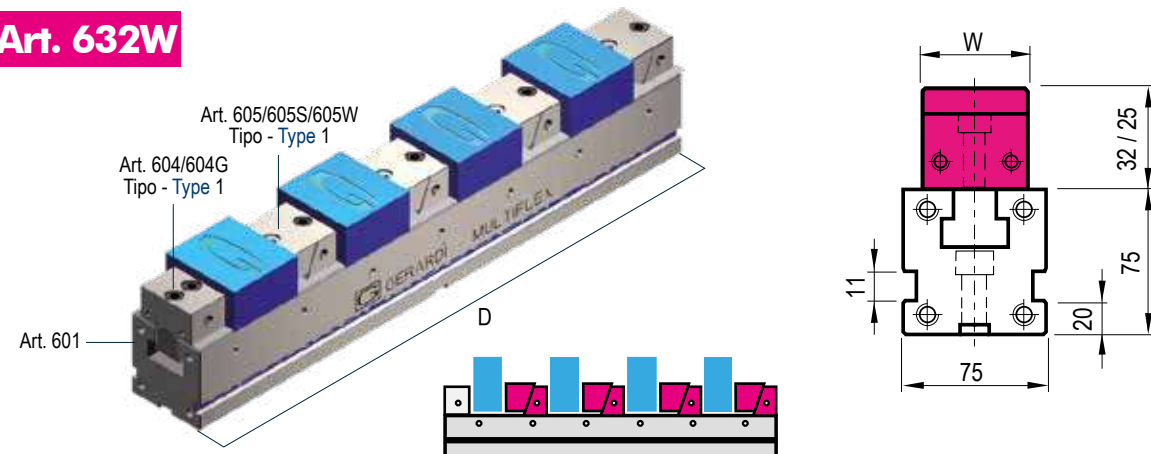
GANASCIA Tipo 1 (49mm) su BASE Tipo 2 / JAW Type 1 (49mm) on BASE Type 2

Art. 632 Art. 632W

Art. 632S

Ogni morsa è completa di
1 ganascia fissa, 4 ganasce
fisse-mobili

Each vise is supplied with
1 fixed jaw and 4 fixed-
movable jaws



Ganascia tipo 1 ⇒ Base tipo 2

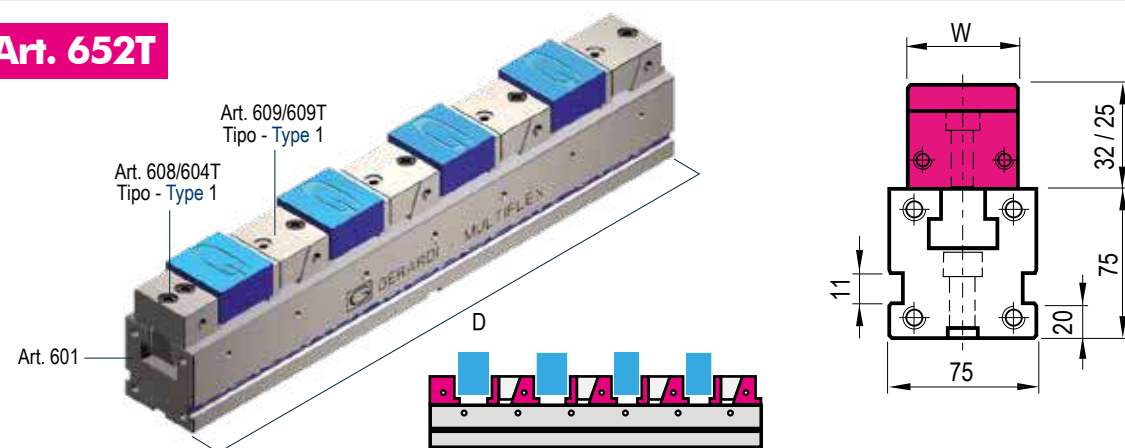
Jaw type 1 ⇒ Base type 2



Art. 652 Art. 652T

Ogni morsa è completa di
1 ganascia fissa,
4 ganasce fisse-mobili

Each vise is supplied with
1 fixed jaw and 4 fixed-movable
jaws



Ganascia tipo 1 ⇒ Base tipo 2

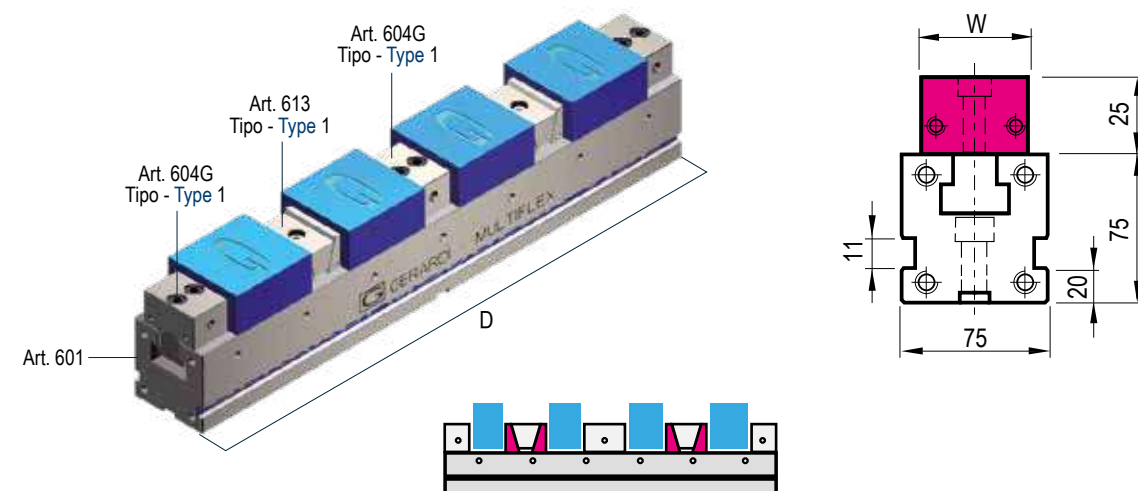
Jaw type 1 ⇒ Base type 2



Art. 692

Ogni morsa è completa di
3 ganasce fisse, 2 ganasce
mobili di spinta

Each vise is supplied with
3 fixed jaws and 2 clamping
movable jaws



Ganascia tipo 1 ⇒ Base tipo 2

Jaw type 1 ⇒ Base type 2



QUICK GUIDE

For the proper Multiflex vise choice according to your specific application

kN	GANASCIA Tipo 1 - / JAW Type 1					
	20 kN					

D	400	500	600	700	800	900
1 pezzo / piece	304	404	504	604	704	804
2 pezzi / pieces	123	173	223	273	323	373
3 pezzi / pieces	62,7	96	129,3	162,7	196	229,3
4 pezzi / pieces	32,5	57,5	82,5	107,5	132,5	157,5
5 pezzi / pieces	14,4	34,4	54,4	74,4	94,4	114,4
6 pezzi / pieces	2,3	19	35,7	52,3	69	85,7
7 pezzi / pieces	-	8	22,3	36,6	50,9	65,1
8 pezzi / pieces	-	-	12,3	24,8	37,3	49,8
9 pezzi / pieces	-	-	4,4	15,6	26,7	37,8
10 pezzi / pieces	-	-	-	8,2	18,2	28,2
11 pezzi / pieces	-	-	-	2,2	11,3	20,4
12 pezzi / pieces	-	-	-	-	5,5	13,8
13 pezzi / pieces	-	-	-	-	11,3	8,3
Cod. Art. 632	6.63.21400	6.63.21500	6.63.21600	6.63.21700	6.63.21800	6.63.21900
Cod. Art. 632S	6.63.2S140	6.63.2S150	6.63.2S160	6.63.2S170	6.63.2S180	6.63.2S190
Cod. Art. 632W	6.63.2W140	6.63.2W150	6.63.2W160	6.63.2W170	6.63.2W180	6.63.2W190

Apertura max in relazione al numero dei particolari
Max opening according to workpieces to be clamped

D	400	500	600	700	800	900
1 pezzo / piece	296	396	496	596	696	796
2 pezzi / pieces	115	165	215	265	315	365
3 pezzi / pieces	54,7	88	121,3	154,7	188	221,3
4 pezzi / pieces	24,5	49,5	74,5	99,5	124,5	149,5
5 pezzi / pieces	6,4	26,4	46,4	66,4	86,4	106,4
6 pezzi / pieces	-	11	27,7	44,3	61	77,7
7 pezzi / pieces	-	-	14,3	28,6	42,9	57,1
8 pezzi / pieces	-	-	4,3	16,8	29,3	41,8
9 pezzi / pieces	-	-	-	7,6	18,7	29,8
10 pezzi / pieces	-	-	-	0,2	10,2	20,2
11 pezzi / pieces	-	-	-	-	3,3	12,4
12 pezzi / pieces	-	-	-	-	-	5,8
Cod. Art. 652	6.65.21400	6.65.21500	6.65.21600	6.65.21700	6.65.21800	6.65.21900
Cod. Art. 652T	6.65.2T140	6.65.2T150	6.65.2T160	6.65.2T170	6.65.2T180	6.65.2T190

Apertura max in relazione al numero dei particolari
Max opening according to workpieces to be clamped

D	400	500	600	700	800	900
1 pezzo / piece	277	377	477	577	677	777
2 pezzi / pieces	138,5	188,5	238,5	288,5	338,5	388,5
3 pezzi / pieces	64	97,3	130,7	164	197,3	230,7
4 pezzi / pieces	48	73	98	123	148	173
5 pezzi / pieces	21,4	41,4	61,4	81,4	101,4	121,4
6 pezzi / pieces	17,8	34,5	51,2	67,8	84,5	101,2
7 pezzi / pieces	3,1	17,4	31,7	46	60,3	74,6
8 pezzi / pieces	2,8	15,3	27,8	40,3	52,8	65,3
9 pezzi / pieces	-	4,1	15,2	26,3	37,4	48,6
10 pezzi / pieces	-	3,7	13,7	23,7	33,7	43,7
11 pezzi / pieces	-	-	4,7	13,8	22,9	32
12 pezzi / pieces	-	-	4,3	12,7	21	29,3
13 pezzi / pieces	-	-	-	5,2	12,8	20,5
14 pezzi / pieces	-	-	-	1,4	8,6	15,7
15 pezzi / pieces	-	-	-	-	5,5	12,1
16 pezzi / pieces	-	-	-	-	2,2	8,4
17 pezzi / pieces	-	-	-	-	-	5,7
Cod.	6.69.21400	6.69.21500	6.69.21600	6.69.21700	6.69.21800	6.69.21900

Apertura max in relazione al numero dei particolari
Max opening according to workpieces to be clamped

GUIDA RAPIDA

Per la scelta della morsa Multiflex più adatta alle vostre esigenze

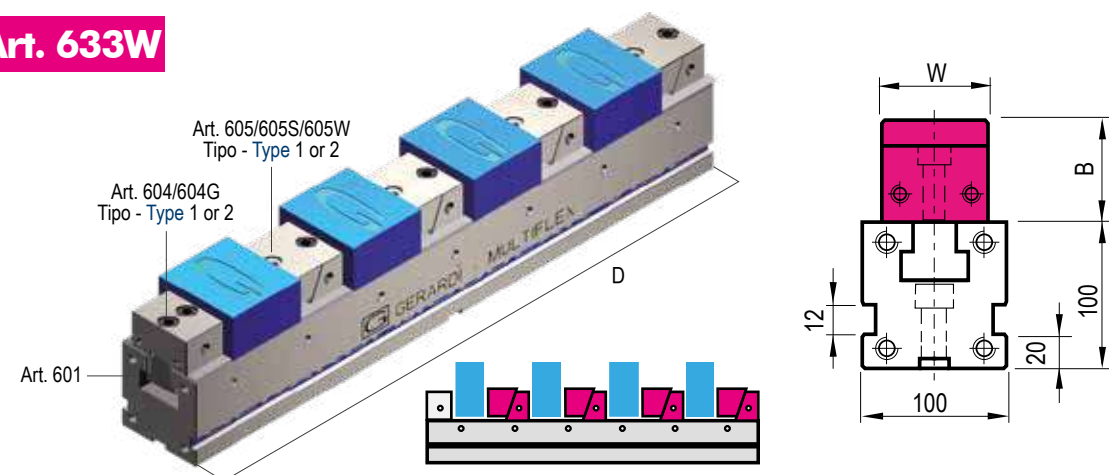
GANASCIA Tipo 1 o Tipo 2 (49 o 74mm) su BASE Tipo 3 / JAW Type 1 or Type 2 (49 o 74mm) on BASE Type 3

Art. 633 **Art. 633W**

Art. 633S

Ogni morsa è completa di
1 ganasce fissa,
4 ganasce fisse-mobili

Each vise is supplied with
1 fixed jaw and
4 fixed-movable jaws



Ganascia tipo 1 o 2 ⇒ Base tipo 3

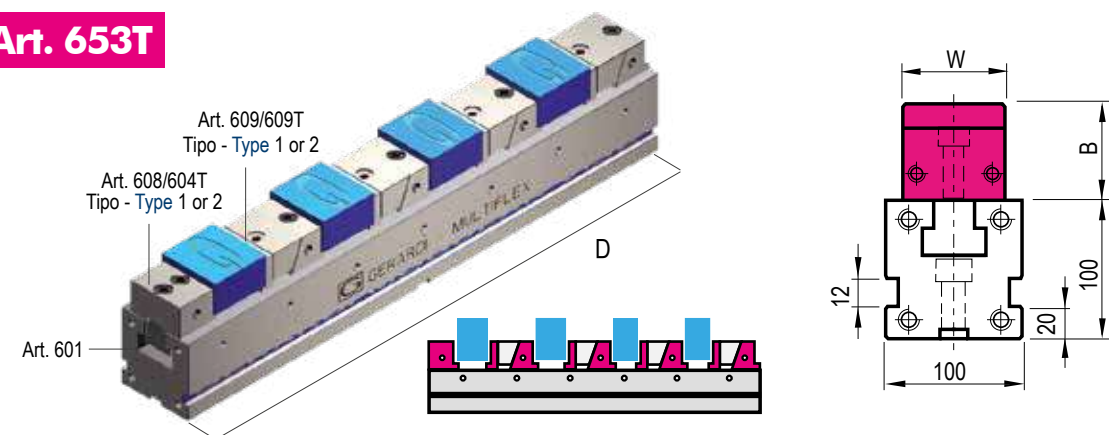
Jaw type 1 or 2 ⇒ Base type 3

Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

Art. 653 **Art. 653T**

Ogni morsa è completa di
1 ganasce fissa,
4 ganasce fisse-mobili

Each vise is supplied with
1 fixed jaw and
4 fixed-movable jaws



Ganascia tipo 1 o 2 ⇒ Base tipo 3

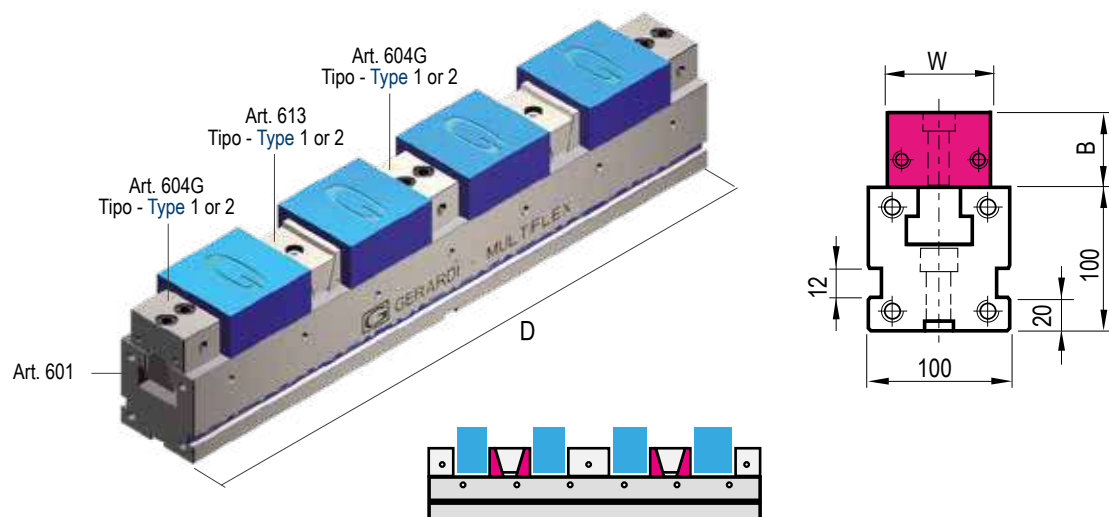
Jaw type 1 or 2 ⇒ Base type 3

Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

Art. 693

Ogni morsa è completa di
3 ganasce fisse,
2 ganasce mobili di spinta

Each vise is supplied with
3 fixed jaws
and 2 clamping movable jaws



Ganascia tipo 1 o 2 ⇒ Base tipo 3

Jaw type 1 or 2 ⇒ Base type 3

Per particolari in appoggio oppure sollevati con paralleli
For workpieces on vise base or rised up with parallels

QUICK GUIDE

For the proper Multiflex vise choice according to your specific application

	kN	GANASCIA Tipo 1 - / JAW Type 1				GANASCIA Tipo 2 - / JAW Type 2			
		20 kN				30 kN			
	D	700	800	900	1000	700	800	900	1000
	W	49				74			
1 pezzo / piece		606	706	806	906	578	678	778	878
2 pezzi / pieces		275	325	375	425	253	303	353	403
3 pezzi / pieces		164,7	198	231,3	264,7	144,7	178	211,3	244,7
4 pezzi / pieces		109,5	134,5	159,5	184,5	90,5	115,5	140,5	165,5
5 pezzi / pieces		76,4	96,4	116,4	136,4	58	78	98	118
6 pezzi / pieces		54,3	71	87,7	104,3	36,3	53	69,7	86,3
7 pezzi / pieces		38,6	52,9	67,1	81,4	20,9	35	49,4	63,7
8 pezzi / pieces		26,8	39,3	51,8	64,3	9,3	21,8	34,3	46,8
9 pezzi / pieces		17,6	28,7	39,8	50,9	-	11,3	22,4	33,6
10 pezzi / pieces		10,2	20,2	30,2	40,2	-	3	13	23
11 pezzi / pieces		4,2	13,3	22,4	31,5	-	-	5,3	14,4
12 pezzi / pieces		-	7,5	15,8	24,2	-	-	-	7,2
13 pezzi / pieces		-	2,6	10,3	18	-	-	-	-
14 pezzi / pieces		-	-	5,6	12,7	-	-	-	-
15 pezzi / pieces		-	-	1,5	8,1	-	-	-	-
Cod. Art. 633		6.63.31700	6.63.31800	6.63.31900	6.63.31100	6.63.32700	6.63.32800	6.63.32900	6.63.32100
Cod. Art. 633S		6.63.3S170	6.63.3S180	6.63.3S190	6.63.3S110	6.63.3S270	6.63.3S280	6.63.3S290	6.63.3S210
Cod. Art. 633W		6.63.3W170	6.63.3W180	6.63.3W190	6.63.3W110	6.63.3W270	6.63.3W280	6.63.3W290	6.63.3W210

	kN	GANASCIA Tipo 1 - / JAW Type 1				GANASCIA Tipo 2 - / JAW Type 2			
		20 kN				30 kN			
	D	700	800	900	1000	700	800	900	1000
	W	49				74			
1 pezzo / piece		596	696	796	896	565	665	765	865
2 pezzi / pieces		265	315	365	415	240	290	340	390
3 pezzi / pieces		154,7	188	221,3	254,7	131,7	165	198,3	231,7
4 pezzi / pieces		99,5	124,5	149,5	174,5	77,5	102,5	127,5	152,5
5 pezzi / pieces		66,4	86,4	106,4	126,4	45	65	85	105
6 pezzi / pieces		44,3	61	77,7	94,3	23,3	40	56,7	73,3
7 pezzi / pieces		28,6	42,9	57,1	71,4	7,9	22,1	36,4	50,7
8 pezzi / pieces		16,8	29,3	41,8	54,3	-	8,8	21,3	33,8
9 pezzi / pieces		7,6	18,7	29,8	40,9	-	-	9,4	20,6
10 pezzi / pieces		-	10,2	20,2	30,2	-	-	-	10
11 pezzi / pieces		-	3,3	12,4	21,5	-	-	-	-
12 pezzi / pieces		-	-	5,8	14,2	-	-	-	-
13 pezzi / pieces		-	-	-	8	-	-	-	-
Cod. Art. 653		6.65.31700	6.65.31800	6.65.31900	6.65.31100	6.65.32700	6.65.32800	6.65.32900	6.65.32100
Cod. Art. 653T		6.65.3T170	6.65.3T180	6.65.3T190	6.65.3T110	6.65.3T270	6.65.3T280	6.65.3T290	6.65.3T210

	kN	GANASCIA Tipo 1 - / JAW Type 1				GANASCIA Tipo 2 - / JAW Type 2			
		20 kN				30 kN			
	D	700	800	900	1000	700	800	900	1000
	W	49				74			
1 pezzo / piece		577	677	777	877	545	645	745	845
2 pezzi / pieces		288,5	338,5	388,5	438,5	272	322,5	372,5	422,5
3 pezzi / pieces		164	197,3	230,7	264	146,7	180	213	246,7
4 pezzi / pieces		123	148	173	198	110	135	160	185
5 pezzi / pieces		81,4	101,4	121,4	141,4	67	87	107	127
6 pezzi / pieces		67,8	84,5	101,2	117,8	55,8	72,5	89,2	105,8
7 pezzi / pieces		46	60,3	74,6	88,9	32,9	47,1	61,4	75,7
8 pezzi / pieces		40,3	52,8	65,3	77,8	28,8	41,3	53,8	66,3
9 pezzi / pieces		26,3	37,4	48,6	59,7	13,9	25	36,1	47,2
10 pezzi / pieces		23,7	33,7	43,7	53,7	12,5	22,5	32,5	42,5
11 pezzi / pieces		13,8	22,9	32	41,1	-	10,9	20	29,1
12 pezzi / pieces		12,7	21	29,3	37,7	-	10	18,3	26,7
13 pezzi / pieces		5,2	12,8	20,5	28,2	-	-	8,8	16,5
14 pezzi / pieces		1,4	8,6	15,7	22,9	-	-	4,3	11,4
15 pezzi / pieces		-	5,5	12,1	18,8	-	-	-	7,3
16 pezzi / pieces		-	2,2	8,4	14,7	-	-	-	3,4
17 pezzi / pieces		-	-	5,7	11,6	-	-	-	-
18 pezzi / pieces		-	-	-	8,3	-	-	-	-
19 pezzi / pieces		-	-	-	5,9	-	-	-	-
Cod.		6.69.31700	6.69.31800	6.69.31900	6.69.31100	6.69.32700	6.69.32800	6.69.32900	6.69.32100

Tipo (grandezza) morsa / Vise type (size)

Art.606

Morsa con ganasce a gradino (Art. 609)
Vise with step jaws (Art. 609)

Art.606T

Morsa con ganascia GRIP (Art. 609T)
Vise with GRIP jaws (Art. 609T)

Art. 609 / 609T

Art. 608 / 604T

Art. 601

New 2.0

ZERO POINT READY I

	kN	1 20 kN				
A (606)	3 x 19mm*	4 x 23	4 x 48	4 x 73	4 x 97	
A1 (606T)	3 x 15,3mm	4 x 18,8	4 x 43,8	4 x 68,8	4 x 93,8	
B	32 / 25					
C ⁰ _{-0.02}	50					
D ⁰ _{-0.05}	300	400	500	600	700	
G ⁰ _{-0.02}	50					
J	38					
J1	65 / 68					
I	10					
F	15					
W	49					
ØP	9					
Q ±0.02	100 / 200	100 / 200	200	300	400	
kg	7,25	8,8	10,2	11,7	13,15	
Cod. Art. 606	6.60.61300	6.60.61400	6.60.61500	6.60.61600	6.60.61700	
Cod. Art. 606T	6.60.6T130	6.60.6T140	6.60.6T150	6.60.6T160	6.60.6T170	

Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

* Solo tipo 1 x 300 e 2 x 400 n. 3 ganasce fisse-mobili in dotazione

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

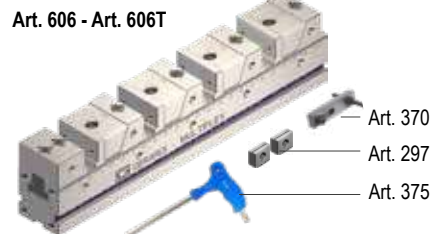
Art. 609*		Cod.	6.60.91000
Ganascia fissa e mobile con gradino Fixed and moving jaw with step			
* Arresto laterale a richiesta - Workstop on request			
Art. 610B		Cod. Art. 610B	6.61.0B100
Piastra ganascia lavorabile / Soft jaw plate			
Art. 610C		Cod. Art. 610C	6.61.0C100
Piastra ganascia liscia / Smooth jaw plate			
Art. 610D		Cod. Art. 610D	6.61.0D100
Piastra ganascia zigrinata / Serrated jaw plate			
Art. 610E		Cod. Art. 610E	6.61.0E100
Piastra ganascia parallela / Parallel jaw plate			
Art. 610F		Cod. Art. 610F	6.61.0F100
Piastra ganascia prismatica / Prismatic jaw plate			
Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36			

Art. 609T*		Cod.	6.60.9T100
Ganascia fissa e mobile con piastra ganascia GRIP a forte serraggio			
Fixed and moving jaw with GRIP jaw-plates for strongest clamping			
* Arresto laterale a richiesta - Workstop on request			

Art. 606 **Art. 606T**

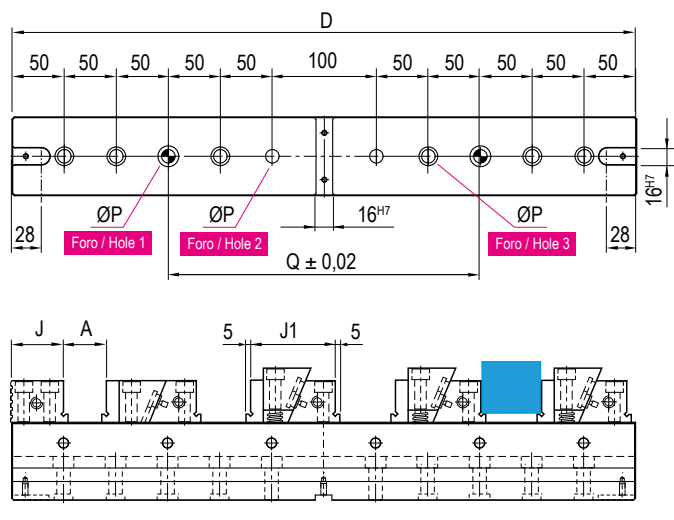
- Dotazione standard:
- 4 arresti laterali Art. 370
 - 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
 - 1 chiave a T Art. 376

Extra per ogni foro aggiuntivo per Zero Point - MAN-010-FMS



- Standard equipment:
- 4 workstops Art. 370
 - 1 pair of positioning key-nuts for 16 mm slot Art. 297
 - 1 T-wrench Art. 376

Extra charge for each hole for Zero Point - MAN-010-FMS



Fori per Zero Point Holes for Zero Point	Foro - Hole 1
Fori per fissaggio morsa Holes for vise clamping	Foro - Hole 2
	Foro - Hole 3

Vedi Pag - See Page 6.30

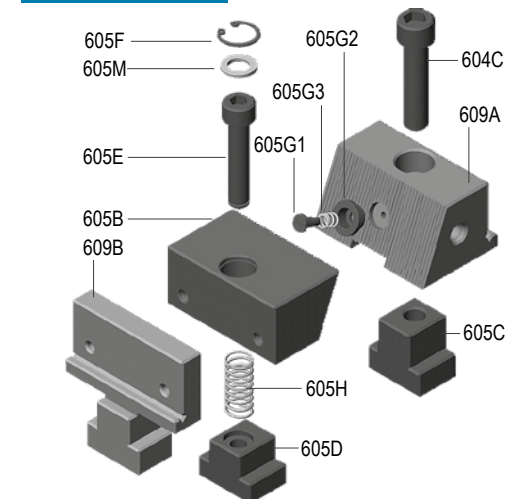
		2						3			
		30 kN						40 kN			
A (606)	3 x 31mm*	4 x 27	4 x 52	4 x 77	4 x 102	4 x 127		4 x 44	4 x 69	4 x 94	4 x 119
A1 (609T)	3 x 28mm	4 x 24	4 x 49	4 x 74	4 x 99	4 x 124		4 x 41,5	4 x 66,5	4 x 91,5	4 x 116,5
B	40						60				
C ⁰ _{-0,02}	75						100				
D ⁰ _{-0,05}	400	500	600	700	800	900	700	800	900	1000	
G ⁰ _{-0,02}	75						100				
J	50						70				
J1	83 / 88						113 / 119				
I	11						12				
F	20						20				
W	74						99				
P	13						17				
Q ±0,02	200 / 300	200	300	400	400 / 500	300 / 400 / 500	400	400 / 500	400 / 500	400 / 500	
kg	21,9	25,4	28,9	32,4	38,1	41,6	68,3	73,8	81	86,5	
Cod. Art. 606	6.60.62400	6.60.62500	6.60.62600	6.60.62700	6.60.62800	6.60.62900	6.60.63700	6.60.63800	6.60.63900	6.60.63100	
Cod. Art. 606T	6.60.6T240	6.60.6T250	6.60.6T260	6.60.6T270	6.60.6T280	6.60.6T290	6.60.6T370	6.60.6T380	6.60.6T390	6.60.6T310	

* Only type 1 x 300 and 2 x 400 n. 3 fixed-movable jaws included

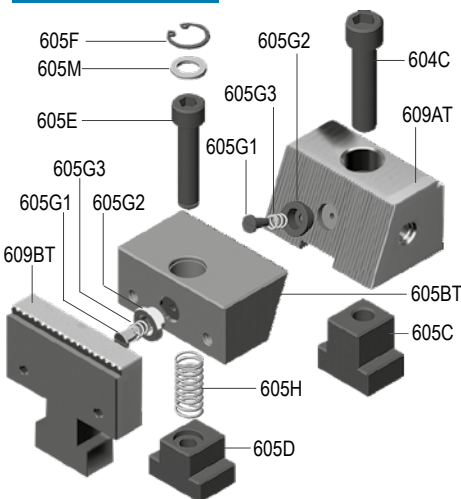
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Cod.	6.60.92000	6.60.93000
Cod. Art. 610B	6.61.0B200	6.61.0B300
Cod. Art. 610C	6.61.0C200	6.61.0C300
Cod. Art. 610D	6.61.0D200	6.61.0D300
Cod. Art. 610E	6.61.0E200	6.61.0E300
Cod. Art. 610F	6.61.0F200	6.61.0F300
Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36		

Art. 609



Art. 609T



Art.	Pag.	Art.	Pag.
601	6.30	605G3	6.35
604C	6.35	605H	6.35
604T	6.32	605M	6.35
605B	6.35	608	6.32
605BT	6.36	609A	6.36
605C		609	6.16
605D		609B	6.36
605E	6.35	609AT	6.36
605F		609BT	6.36
605G1		609T	6.16
605G2			

* Quota J1 valida solo per Art. 609
J1 dimension valids only for Art. 609

* Quota J2 valida solo per Art. 609T
J2 dimension valids only for Art. 609T

Tipo (grandezza) morsa / Vise type (size)

Art.611

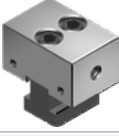
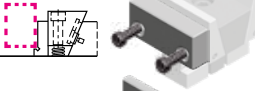
Morsa con ganasce doppie (Art. 613)
Vise with double clamping jaws (Art. 613)

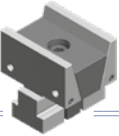
	1				
kN	20 kN				
A	4 x 21mm	4 x 46	4 x 71	4 x 94	4 x 121
B	25				
C ⁰ _{-0.02}	50				
D ⁰ _{-0.05}	300	400	500	600	700
G ⁰ _{-0.02}	50				
J	38				
J1	44 / 50				
I	10				
F	15				
W	49				
ØP	9				
Q ^{±0.02}	100 / 200	100 / 200	200	300	400
kg	6,6	8,1	9,5	11	12,5
Cod.	6.61.11300	6.61.11400	6.61.11500	6.61.11600	6.61.11700

Per particolari in appoggio oppure sollevati con parallele

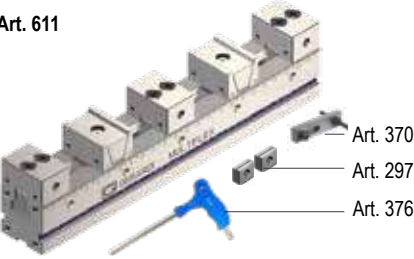
For workpieces on vise base or rised up with parallels

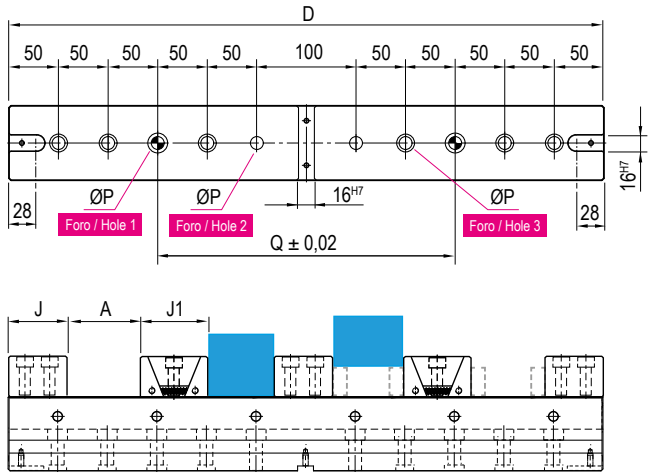
AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 604G* Ganascia fissa liscia da entrambi i lati Fixed smooth jaws both sides 	Cod.	6.60.4G100
* Arresto laterale a richiesta - Workstop on request		
Art. 610B Piastra ganascia lavorabile / Soft jaw plate 	Cod. Art. 610B	6.61.0B100
Art. 610C Piastra ganascia liscia / Smooth jaw plate 	Cod. Art. 610C	6.61.0C100
Art. 610D Piastra ganascia zigrinata / Serrated jaw plate 	Cod. Art. 610D	6.61.0D100
Art. 610E Piastra ganascia parallela / Parallel jaw plate 	Cod. Art. 610E	6.61.0E100
Art. 610F Piastra ganascia prismatica / Prismatic jaw plate 	Cod. Art. 610F	6.61.0F100
Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36		

Art. 613 Ganascia mobile doppia di spinta Double clamping movable jaws 	Cod.	6.61.31000
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Art. 611
Dotazione standard:
■ 4 arresti laterali Art. 370
■ 1 coppia di tasselli di posizionamento per cava da 16 mm Art. 297
■ 1 chiave a T Art. 376
Extra per ogni foro aggiuntivo per Zero Point - MAN-010-FMS


Art. 370
Art. 297
Art. 376



Technical drawing showing dimensions and features for Art. 611 vise. Dimensions include D (total length), 50 (hole spacing), 100 (central section), 16^{H7} (hole diameter), 28 (height), Q ± 0,02 (tolerance), J (jaw length), A (jaw width), J1 (jaw thickness), G (base width), W (base height), B (base depth), C (base thickness), L (base length).

Compatibilità con Zero Point
Compatibility with Zero Point



Fori per Zero Point
Holes for Zero Point

Fori per fissaggio morsa
Holes for vise clamping

Foro - Hole 1
Foro - Hole 2
Foro - Hole 3

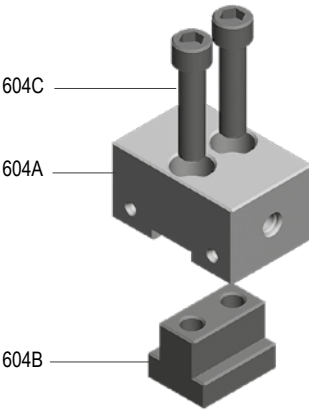
Vedi Pag - See Page 6.30

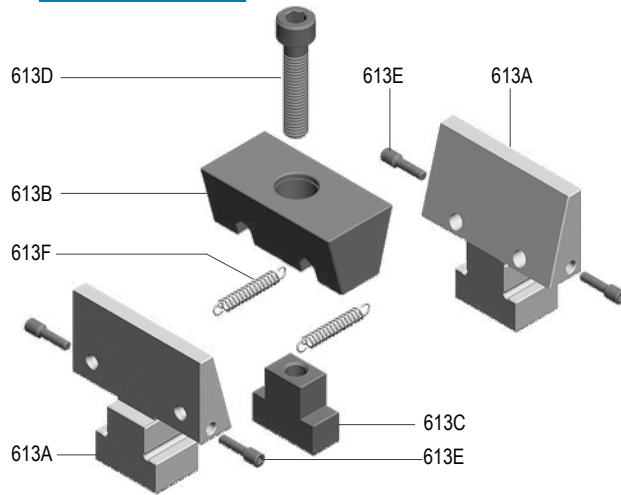
	2 30 kN						3 40 kN			
A	4 x 34	4 x 59	4 x 84	4 x 109	4 x 134	4x159	4 x 77	4 x 102	4 x 127	4 x 152
B	40						60			
C ^{0 -0.02}	75						100			
D ^{0 -0.05}	400	500	600	700	800	900	700	800	900	1000
G ^{0 -0.02}	75						100			
J	50						70			
J1	52 / 58						84 / 90			
I	11						12			
F	20						20			
W	74						99			
ØP	13						17			
Q ^{±0.02}	200 / 300	200	300	400	400 / 500	300 / 400 / 500	400	400 / 500	400 / 500	400 / 500
kg	20,79	24,29	27,79	31,29	34,8	38,3	63	68,5	74	79,5
Cod. Art. 606	6.61.12400	6.61.12500	6.61.12600	6.61.12700	6.61.12800	6.61.12900	6.61.13700	6.61.13800	6.61.13900	6.61.13100

UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

Cod.	6.60.4G200	6.60.4G300
Cod. Art. 610B	6.61.0B200	6.61.0B300
Cod. Art. 610C	6.61.0C200	6.61.0C300
Cod. Art. 610D	6.61.0D200	6.61.0D300
Cod. Art. 610E	6.61.0E200	6.61.0E300
Cod. Art. 610F	6.61.0F200	6.61.0F300
Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36		

Cod.	6.61.32000	6.61.33000
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Art. 604G GANASCIA FISSA
FIXED JAW


Art. 613 GANASCIA DOPPIA
DOUBLE JAW


Art.	Pag.
601	6.30
604A	6.35
604B	6.35
604C	6.35
604G	6.32
613	6.34
613A	6.37
613B	6.37
613C	6.37
613D	6.37
613E	6.37
613F	6.37

GANASCE TIPO 1 ⇒ BASE TIPO 2

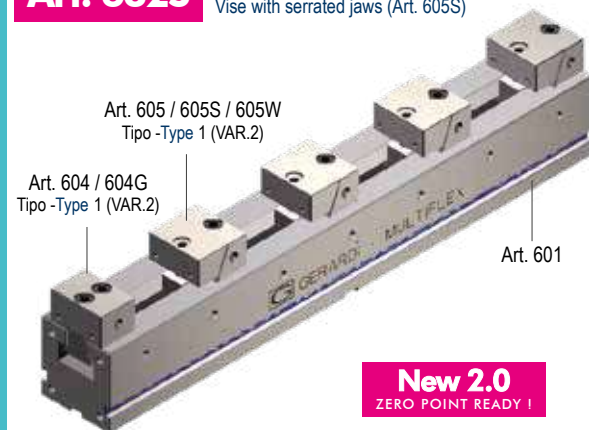
JAWS TYPE 1 ⇒ BASE TYPE 2

Art. 632

Morsa con ganasce lisce (Art. 605)
Vise with smooth jaws (Art. 605)

Art. 632S

Morsa con ganasce zigrinate (Art. 605S)
Vise with serrated jaws (Art. 605S)

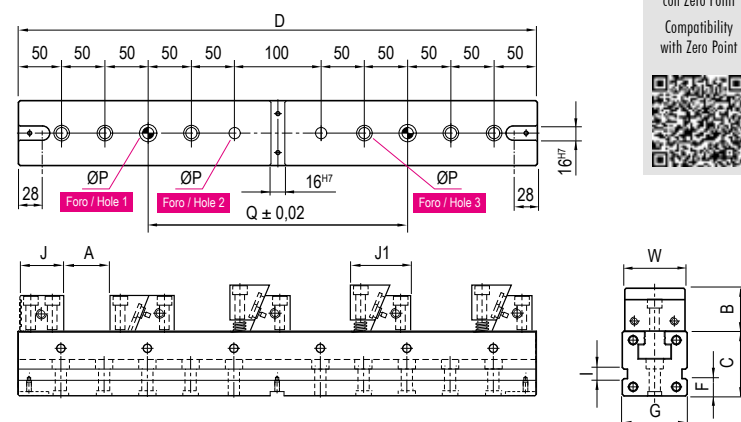


New 2.0
ZERO POINT READY I

Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

Art. 632W

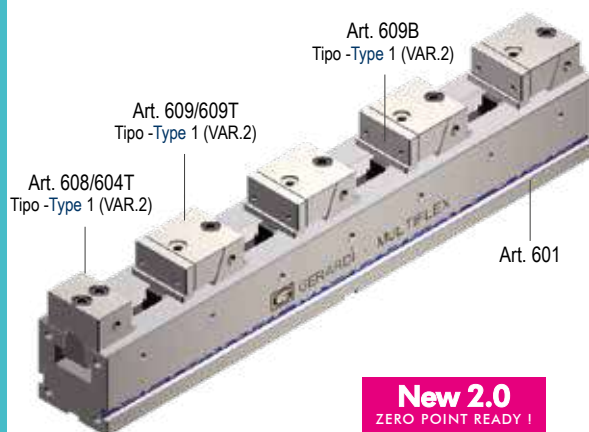
Morsa con ganascia mobile liscia e fissa zigrinata (Art. 605W)
Vise with smooth movable jaws and fixed serrated jaws (Art. 605W)



Specificare quota W in fase d'ordine - To be specify the W quote in case of order

Art. 652

Morsa con ganasce a gradino (Art. 609)
Vise with step jaws (Art. 609)

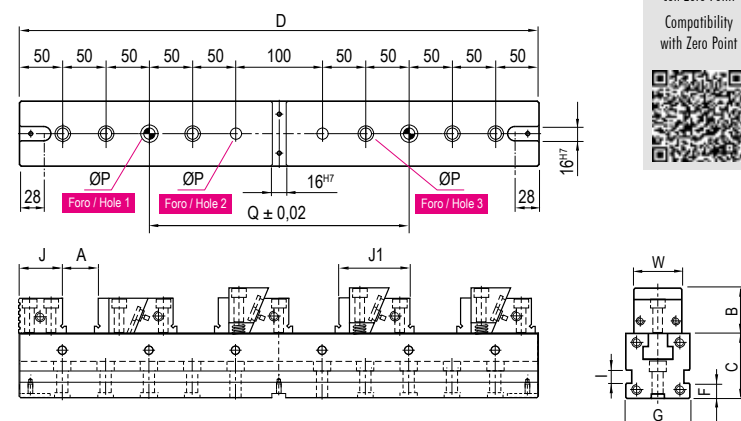


New 2.0
ZERO POINT READY I

Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

Art. 652T

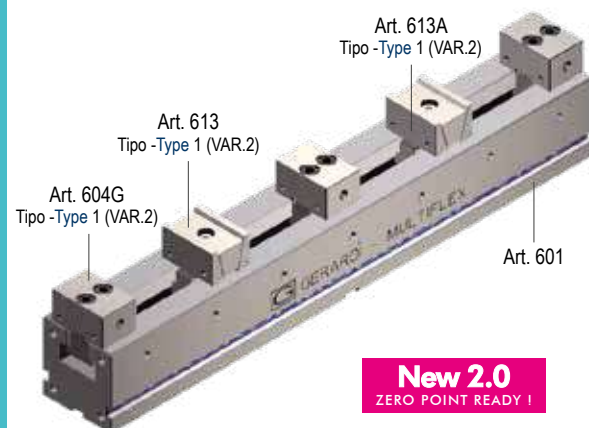
Morsa con ganasce GRIP (Art. 609T)
Vise with GRIP jaws (Art. 609T)



Specificare quota W in fase d'ordine - To be specify the W quote in case of order

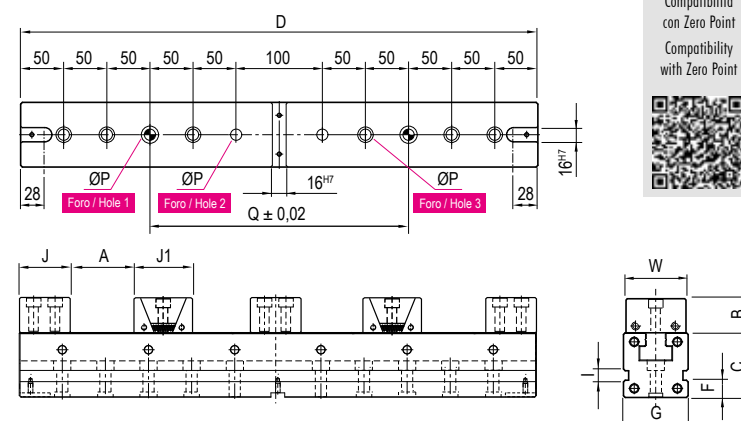
Art. 692

Morsa con ganasce doppie (Art. 613)
Vise with double jaws (Art. 613)



New 2.0
ZERO POINT READY I

Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels



Specificare quota W in fase d'ordine - To be specify the W quote in case of order

	1 20 kN					
A	4 x 32,5	4 x 57,5	4 x 82,5	4 x 107,5	4 x 132,5	4 x 157,5
B	32 / 25					
C ⁰ _{-0,02}	75					
D ⁰ _{-0,05}	400	500	600	700	800	900
G ⁰ _{-0,02}	75					
J	38					
J1	55 / 58					
I	11					
F	20					
W	49					
ØP	13					
Q ^{±0,02}	200 / 300	200	300	400	400 / 500	300 / 400 / 500
kg	16,7	20,2	23,7	27,2	30,7	34,2
Cod. Art. 632	6.63.21400	6.63.21500	6.63.21600	6.63.21700	6.63.21800	6.63.21900
Cod. Art. 632S	6.63.2S140	6.63.2S150	6.63.2S160	6.63.2S170	6.63.2S180	6.63.2S190
Cod. Art. 632W	6.63.2W140	6.63.2W150	6.63.2W160	6.63.2W170	6.63.2W180	6.63.2W190

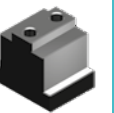
Extra per ogni foro aggiunto per Zero Point - MAN-010-FMS

Extra charge for each hole for Zero Point - MAN-010-FMS

Kit trasformazione ganasce
Jaws transformations kit

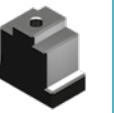
Art. 604B T.1 (VAR.2)

Dado a "T" per
ganascia fissa
"T" nut for
fixed jaw



Art. 605C T.1 (VAR.2)

Dado a "T" per
cuneo di
posizionamento
"T" nut for
positioning wedge



Art. 605D T.1 / (VAR.2)

Dado a "T" per
cuneo di spinta
"T" nut for
clamping wedge



A	4 x 24,5	4 x 49,5	4 x 74,5	4 x 99,5	4 x 124,5	4 x 149,5
B	32 / 25					
C ⁰ _{-0,02}	75					
D ⁰ _{-0,05}	400	500	600	700	800	900
G ⁰ _{-0,02}	75					
J	38					
J1	65 / 68					
F	11					
F	20					
W	49					
ØP	13					
Q ^{±0,02}	200 / 300	200	300	400	400 / 500	300 / 400 / 500
kg	16,8	20,3	23,8	27,3	30,8	34,3
Cod. Art.652	6.65.21400	6.65.21500	6.65.21600	6.65.21700	6.65.21800	6.65.21900
Cod. Art.652T	6.65.2T140	6.65.2T150	6.65.2T160	6.65.2T170	6.65.2T180	6.65.2T190

Extra per ogni foro aggiunto per Zero Point - MAN-010-FMS

Extra charge for each hole for Zero Point - MAN-010-FMS

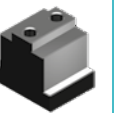
Art. 609B T.1 (VAR.2)

Ganascia mobile
guidata con gradino
Movable guided
jaw with step



Art. 604B T.1 (VAR.2)

Dado a "T" per
ganascia fissa
"T" nut for
fixed jaw



Art. 605C T.1 (VAR.2)

Dado a "T" per
cuneo di
posizionamento
"T" nut for
positioning wedge



Art. 605D T.1 (VAR.2)

Dado a "T" per
cuneo di spinta
"T" nut for
clamping wedge



A	4 x 48	4 x 73	4 x 98	4 x 123	4 x 148	4 x 173
B	25					
C ⁰ _{-0,02}	75					
D ⁰ _{-0,05}	400	500	600	700	800	900
G ⁰ _{-0,02}	75					
J	38					
J1	44 / 50					
I	11					
F	20					
W	49					
ØP	13					
Q ^{±0,02}	200 / 300	200	300	400	400 / 500	300 / 400 / 500
kg	16,1	19,6	23,1	26,6	30,1	33,7
Cod.	6.69.21400	6.69.21500	6.69.21600	6.69.21700	6.69.21800	6.69.21900

Extra per ogni foro aggiunto per Zero Point - MAN-010-FMS

Extra charge for each hole for Zero Point - MAN-010-FMS

Art. 613C

Dado a "T"
"T" nut



Art. 613A T.1 (VAR.2)

Ganascia mobile
Movable jaw



Art. 604B T.1 (VAR.2)

Dado a "T" per
ganascia fissa
"T" nut for
fixed jaw



GANASCE TIPO 1 o 2 ⇒ BASE TIPO 3

JAWS TYPE 1 or 2 ⇒ BASE TYPE 3

Art. 633

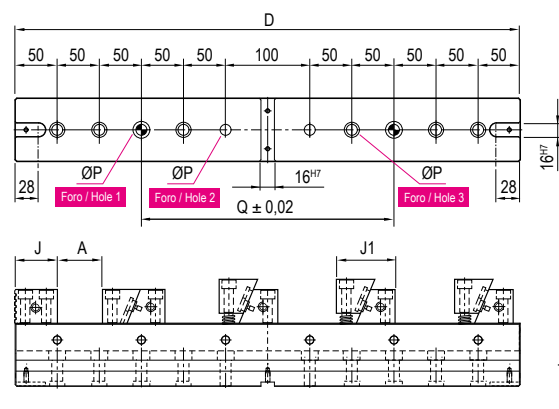
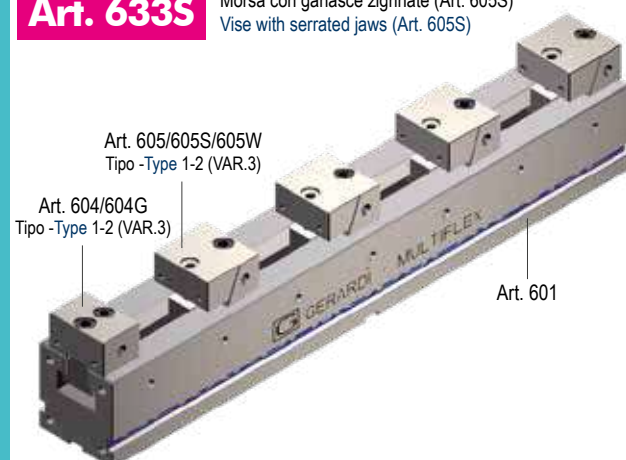
Morsa con ganasce lisce (Art. 605)
Vise with smooth jaws (Art. 605)

Art. 633S

Morsa con ganasce zigrinate (Art. 605S)
Vise with serrated jaws (Art. 605S)

Art. 633W

Morsa con ganascia mobile liscia e fissa zigrinata (Art. 605W)
Vise with smooth movable jaws and fixed serrated jaws (Art. 605W)



Per particolari in appoggio sulla base
For workpieces clamped directly on vise base

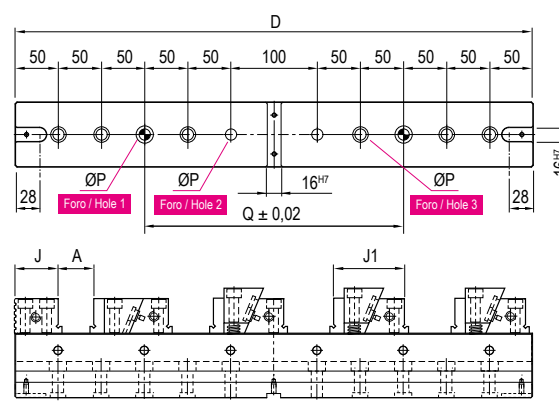
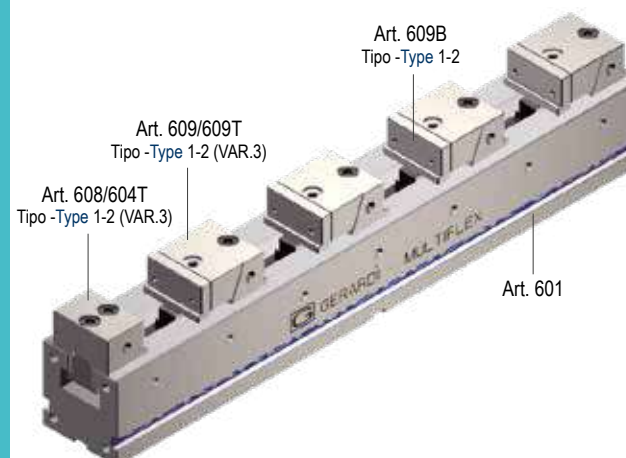
Specificare quota W in fase d'ordine - To be specify the W quote in case of order

Art. 653

Morsa con ganasce a gradino (Art. 609)
Vise with step jaws (Art. 609)

Art. 653T

Morsa con ganasce GRIP (Art. 609T)
Vise with GRIP jaws (Art. 609T)

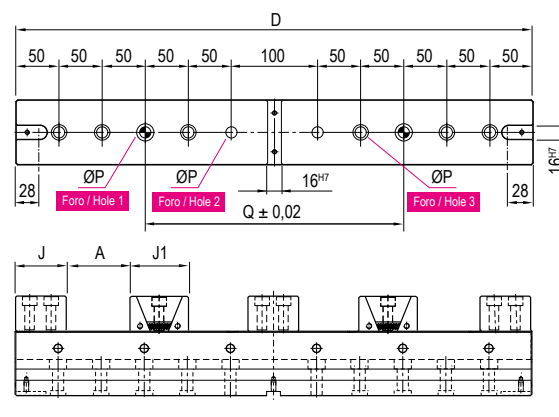
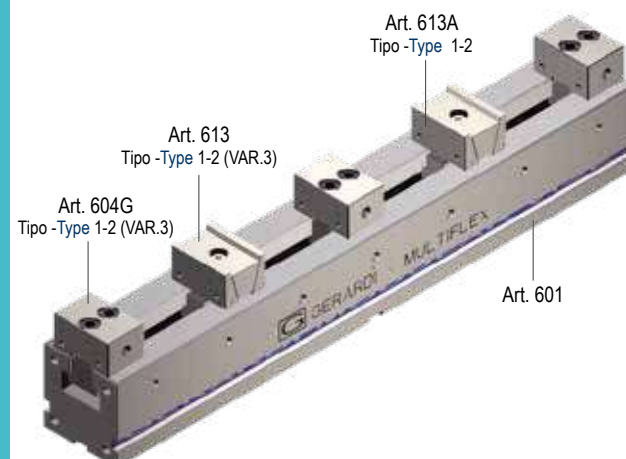


Per particolari sollevati per forature passanti
Rised workpieces for drill through holes

Specificare quota W in fase d'ordine - To be specify the W quote in case of order

Art. 693

Morsa con ganasce doppie (Art. 613)
Vise with double jaws (Art. 613)



Per particolari in appoggio oppure sollevati con parallele
For workpieces on vise base or rised up with parallels

Specificare quota W in fase d'ordine - To be specify the W quote in case of order

	1 20 kN				2 30 kN			
A	4 x 109,5	4 x 134,5	4 x 159,5	4 x 184,5	4 x 90,5	4 x 115,5	4 x 140,5	4 x 165,5
B	32 / 25				40			
C ⁰ / _{-0,02}	100				100			
D ⁰ / _{-0,05}	700	800	900	1000	700	800	900	1000
G ⁰ / _{-0,02}	100				100			
J	38				50			
J1	55 / 58				70 / 25			
I	12				12			
F	20				20			
W	49				74			
ØP	17				17			
Q ^{±0,02}	400	400 / 500	400 / 500	400 / 500	400	400 / 500	400 / 500	400 / 500
kg	45,3	50,8	57,8	63,5	50,5	56	63	68,7
Cod. Art. 633	6.63.31700	6.63.31800	6.63.31900	6.63.31100	6.63.32700	6.63.32800	6.63.32900	6.63.32100
Cod. Art. 633S	6.63.3S170	6.63.3S180	6.63.3S190	6.63.3S110	6.63.3S270	6.63.3S280	6.63.3S290	6.63.3S210
Cod. Art. 633W	6.63.3W170	6.63.3W180	6.63.3W190	6.63.3W110	6.63.3W270	6.63.3W280	6.63.3W290	6.63.3W210

Extra per ogni foro aggiunto per Zero Point - MAN-010-FMS

Extra charge for each hole for Zero Point - MAN-010-FMS

Kit trasformazione ganasce
Jaws transformations kit

Art. 604B T.2 (VAR.3)

Dado a "T" per ganascia fissa
"T" nut for fixed jaw

Art. 605C T.2 (VAR.3)

Dado a "T" per cuneo di posizionamento
"T" nut for positioning wedge

Art. 605D T.2 / (VAR.3)

Dado a "T" per cuneo di spinta
"T" nut for clamping wedge

Vedi pag 6.38 - See pag 6.38

A	4 x 99,5	4 x 124,5	4 x 149,5	4 x 174,5	4 x 77,5	4 x 102,5	4 x 127,5	4 x 152,5
B	32 / 25				40			
C ⁰ / _{-0,02}	100				100			
D ⁰ / _{-0,05}	700	800	900	1000	700	800	900	1000
G ⁰ / _{-0,02}	100				100			
J	38				50			
J1	65 / 68				83 / 88			
I	12				12			
F	20				20			
W	49				74			
ØP	17				17			
Q ^{±0,02}	400	400 / 500	400 / 500	400 / 500	400	400 / 500	400 / 500	400 / 500
kg	45,4	50,9	57,9	63,6	51,1	56,6	63,6	69,3
Cod. Art.653	6.65.31700	6.65.31800	6.65.31900	6.65.31100	6.65.32700	6.65.32800	6.65.32900	6.65.32100
Cod. Art.653T	6.65.3T170	6.65.3T180	6.65.3T190	6.65.3T110	6.65.3T270	6.65.3T280	6.65.3T290	6.65.3T210

Extra per ogni foro aggiunto per Zero Point - MAN-010-FMS

Extra charge for each hole for Zero Point - MAN-010-FMS

Art. 609B T.2 (VAR.3)

Ganascia mobile guidata con gradino
Movable guided jaw with step

Art. 604B T.2 (VAR.3)

Dado a "T" per ganascia fissa
"T" nut for fixed jaw

Art. 605C T.2 (VAR.3)

Dado a "T" per cuneo di posizionamento
"T" nut for positioning wedge

Art. 605D T.2 (VAR.3)

Dado a "T" per cuneo di spinta
"T" nut for clamping wedge

Vedi pag 6.36-38 - See pag 6.36-38

A	4 x 123	4 x 148	4 x 173	4 x 198	4 x 110	4 x 135	4 x 160	4 x 185
B	25				40			
C ⁰ / _{-0,02}	100				100			
D ⁰ / _{-0,05}	700	800	900	1000	700	800	900	1000
G ⁰ / _{-0,02}	100				100			
J	38				50			
J1	44 / 50				52 / 58			
I	12				12			
F	20				20			
W	49				74			
ØP	17				17			
Q ^{±0,02}	400	400 / 500	400 / 500	400 / 500	400	400 / 500	400 / 500	400 / 500
kg	44,7	50,2	57,9	62,9	49,4	54,9	61,9	66,6
Cod.	6.69.31700	6.69.31800	6.69.31900	6.69.31100	6.69.32700	6.69.32800	6.69.32900	6.69.32100

Extra per ogni foro aggiunto per Zero Point - MAN-010-FMS

Extra charge for each hole for Zero Point - MAN-010-FMS

Art. 613C
Dado a "T"
"T" nut

Art. 613A T.2 (VAR.3)

Ganascia mobile
Movable jaw

Art. 604B T.2 (VAR.3)

Dado a "T" per ganascia fissa
"T" nut for fixed jaw

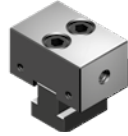
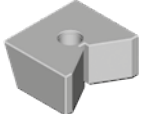
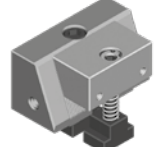
Vedi pag 6.37-38 - See pag 6.37-38

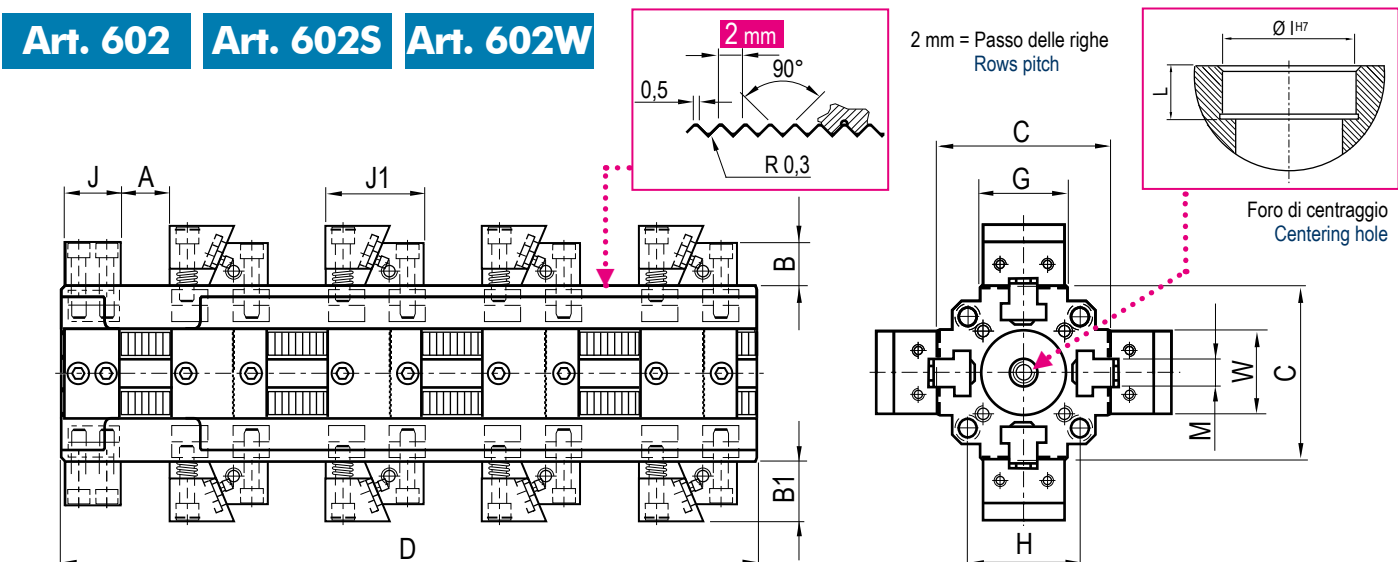
Tipo (grandezza) morsa / Vise type (size)	kN	1 20 kN				
		A	B	B1	C	D
Art. 602 Cubo-morsa con ganasce lisce (Art. 605) Vise-tower with smooth jaws (Art. 605) Art. 602S Cubo-morsa con ganasce zigrinate (Art. 605S) Vise-tower with serrated jaws (Art. 605S) Art. 602W Cubo-morsa con ganasce mobili lisce e fisse zigrinate (Art. 605W) Vise cube with smooth movable jaw and fixed serrated jaws (Art. 605W) Ogni cubo-morsa è completo di 4 ganasce fisse, 16 ganasce fisse mobili, 1 chiave a T, 1 coppia tasselli di posizionamento per cava da 16mm e 16 arresti laterali Each vise-tower is supplied with 4 fixed jaws and 16 fixed-movable jaws, 1 T wrench, 1 pair of positioning key-nuts for 16 mm slot Art. 297 and 16 workstops		4 x 8mm	4 x 33	4 x 58	4 x 83	4 x 108
				25		
				32 / 25		
				100		
		300	400	500	600	700
				50		
				38		
				55 / 58		
				66		
				25		
Art. 604 Art. 605 Art. 605S Art. 828A (extra)				20		
				14		
		26,2	31,2	36,2	41,2	46,3
		Cod. Art.602	6.60.21300	6.60.21400	6.60.21500	6.60.21600
		Cod. Art.602S	6.60.2S130	6.60.2S140	6.60.2S150	6.60.2S160
		Cod. Art.602W	6.60.2W130	6.60.2W140	6.60.2W150	6.60.2W160

	2 30 kN								3 40 kN			
	A	B	B1	C	D	G	J	J1	H	Ø I H7	L	M
Art. 605 GANASCIA LISCIA JAW PLATE Per il serraggio di particolari finiti To clamp finished workpieces Art. 605W Ganascia mobile liscia e fissa zigrinata Smooth movable jaw and fixed serrated jaw Art. 605S GANASCIA ZIGRINATA SERRATED JAW Per il serraggio di particolari grezzi To clamp rough workpieces	4 x 12mm	4 x 37	4 x 62	4 x 62	4 x 87	4 x 87	4 x 87	4 x 112	4 x 59	4 x 84	4 x 109	4 x 134
		40		40	40		40		40		60	
		40		40	40		40		40		60	
		150		230	150		210	240			240	
	400	500	600	600	700	700	700	800	700	800	900	1000
		75		75	75		75		75		100	
		50		50	50		50		50		70	
		70 / 75		70 / 75	70 / 75		70 / 75		94,5 / 98,5			
		100		-	100	100	-	-	150 / 200			
		50		50	50		50		50			
		20		20	20		20		20			
		22		22	22		22		30			
	79	90,2	101,4	144	112,6	149,2	175	195	254	278	301	325
	Cod. Art.	6.60.22400	6.60.22500	6.60.22600	6.60.22601	6.60.22700	6.60.22701	6.60.22702	6.60.22800	6.60.23700	6.60.23800	6.60.23900
	Cod. Art.	6.60.2S240	6.60.2S250	6.60.2S260	6.60.2S261	6.60.2S270	6.60.2S271	6.60.2S272	6.60.2S280	6.60.2S370	6.60.2S380	6.60.2S390
	Cod. Art.	6.60.2W240	6.60.2W250	6.60.2W260	6.60.2W261	6.60.2W270	6.60.2W271	6.60.2W272	6.60.2W280	6.60.2W370	6.60.2W380	6.60.2W390

I prezzi su fondo magenta sono comprensivi di base integrale / Prices on the magenta background include the solid head plate with the vise-tower

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !

Art. 604* Ganascia fissa (1 lato liscia, 1 lato zigrinata) Fixed jaw (1 side smooth, 1 side serrated)		Cod.	6.60.41000
* Arresto laterale a richiesta - Workstop on request			
Art. 605* Ganascia mobile e fissa liscia Fixed and movable smooth jaws		Art. 605S* Ganascia mobile e fissa zigrinata Fixed and movable serrated jaws	
* Arresto laterale a richiesta - Workstop on request			
Art. 605L Cuneo di spinta a "V" "V" clamping wedge		Cod.	6.60.5L100
Art. 615* Ganascia con cuneo di posizionamento maggiorato Jaw with bigger positioning wedge (increased with respect to standard dimensions)		Cod.	6.61.51000
* Arresto laterale a richiesta - Workstop on request			



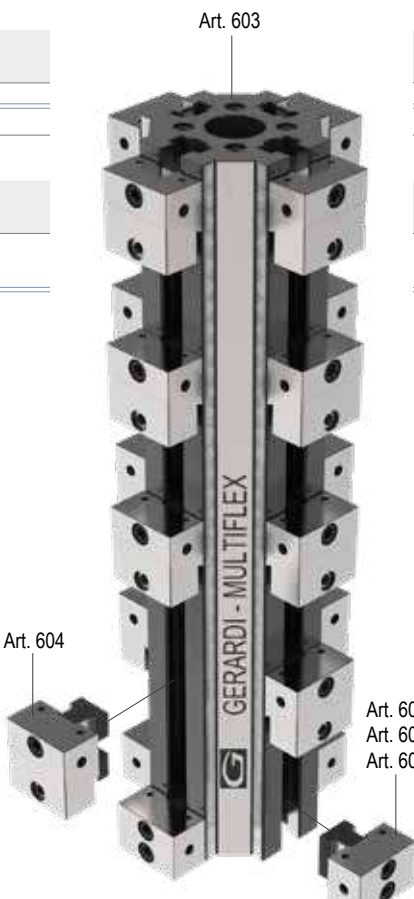
Art. 605
GANASCIA LISCIA
JAW PLATE

Per il serraggio di particolari finiti
To clamp finished workpieces

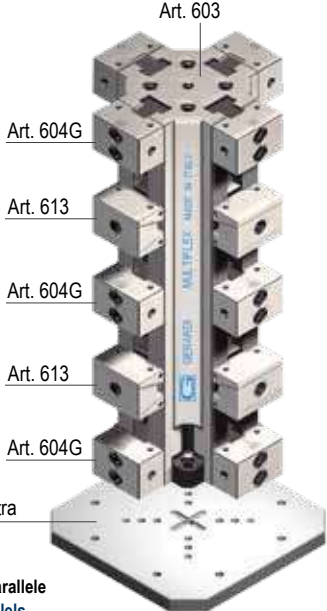
Art. 605W
Ganascia mobile liscia e fissa zigrinata
Smooth movable jaw and fixed serrated jaw

Art. 605S
GANASCIA ZIGRINATA
SERRATED JAW

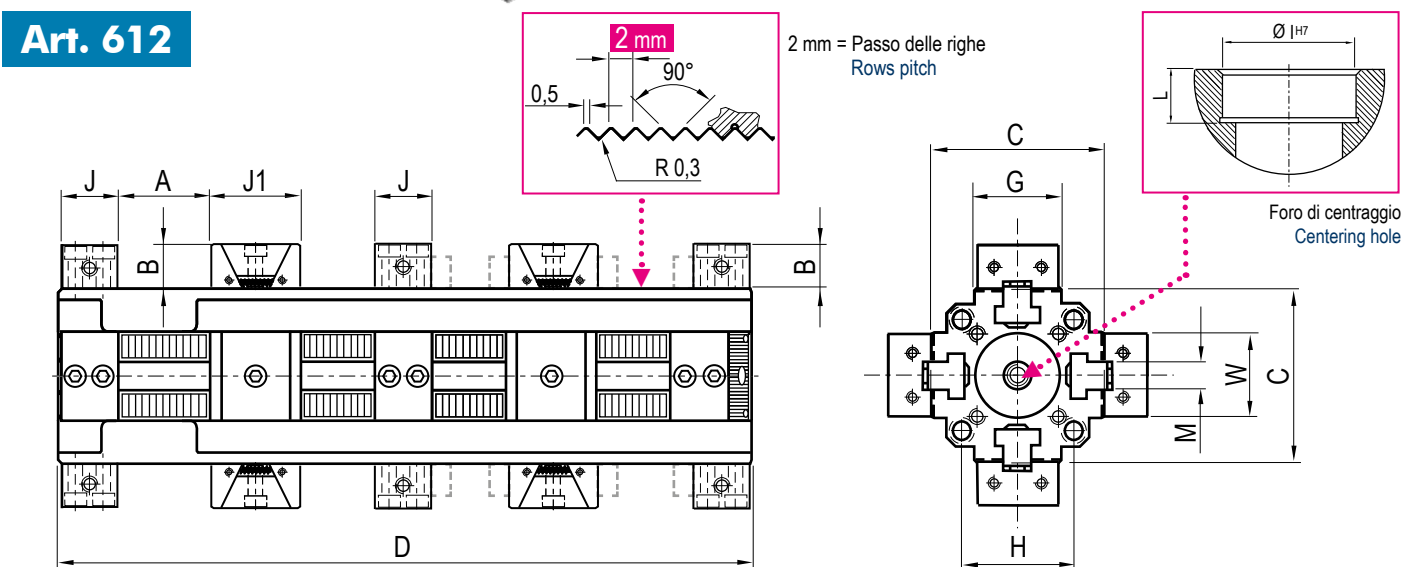
Per il serraggio di particolari grezzi
To clamp rough workpieces



Art.	Pag.
603	6.31
604	6.32
605	6.33
605S	6.33

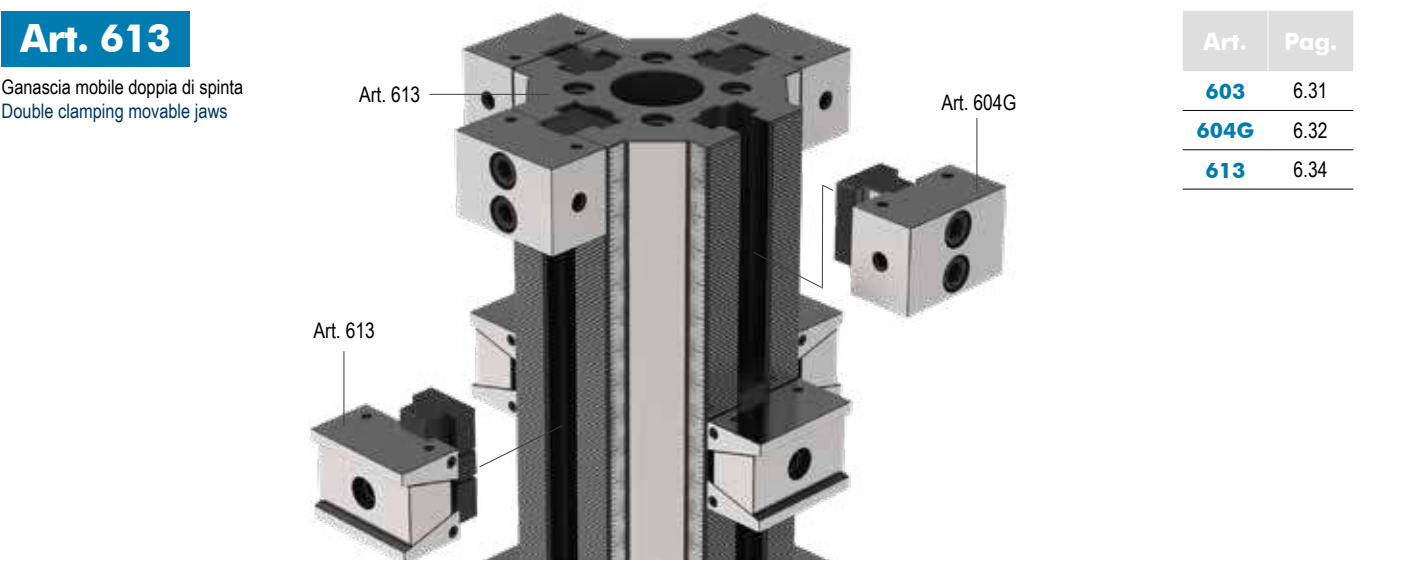
Tipo (grandezza) morsa / Vise type (size)		1 20 kN					
		kN					
Art. 612 Cubo-morsa con ganasce doppie (Art. 613) Vise-tower with double jaws (Art. 613) Ogni cubo-morsa è completo di 12 ganasce fisse, 8 ganasce fisse mobili, 1 chiave a T, 1 coppia tasselli di posizionamento per cava da 16mm e 16 arresti laterali Each vise-tower is supplied with 12 fixed jaws and 8 fixed- movable jaws 1 T wrench, 1 pair of positioning key-nuts for 16 mm slot Art. 297 and 16 workstops Per particolari in appoggio oppure sollevati con parallele For workpieces on vise base or rised up with parallels 	A	4 x 21mm	4 x 46	4 x 71	4 x 94	4 x 121	
	B	25					
	C ⁻⁰ / _{-0,02}	100					
	D	300	400	500	600	700	
	G ⁻⁰ / _{-0,02}	50					
	J	38					
	J1	44 / 50					
	H	66					
	Ø I ^{H7}	50					
	L	20					
	M	14					
	W	49					
	kg	24,2	29,3	34,4	39,5	44,5	
	Cod.	6.61.21300	6.61.21400	6.61.21500	6.61.21600	6.61.21700	

AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !	
Art. 604G* Ganascia fissa liscia da entrambi i lati Fixed smooth jawsboth sides	Cod. 6.60.4G100
* Arresto laterale a richiesta - Workstop on request	
Art. 610B Piastra ganascia lavorabile / Soft jaw plate	Cod. Art. 610B 6.61.0B100
Art. 610C Piastra ganascia liscia / Smooth jaw plate	Cod. Art. 610C 6.61.0C100
Art. 610D Piastra ganascia zigrinata / Serrated jaw plate	Cod. Art. 610D 6.61.0D100
Art. 610E Piastra ganascia parallela / Parallel jaw plate	Cod. Art. 610E 6.61.0E100
Art. 610F Piastra ganascia prismatica / Prismatic jaw plate	Cod. Art. 610F 6.61.0F100
Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36	
Art. 613 Ganascia mobile doppia di spinta Double clamping movable jaws	Cod. 6.61.31000

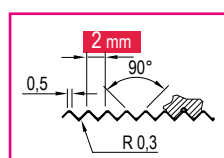


2 30 kN									3 40 kN			
A	4 x 34mm	4 x 59	4 x 84	4 x 84	4 x 109	4 x 109	4 x 109	4 x 134	4 x 77	4 x 102	4 x 127	4 x 152
B	40			40	40	40			60			
C ⁻⁰ / _{-0,02}	150			230	150	210	240		240			
D	400	500	600	600	700	700	700	800	700	800	900	1000
G ⁻⁰ / _{-0,02}	75			75	75	75			100			
J	50			50	50	50			70			
J1	52 / 58			52 / 58	52 / 58	52 / 58			84 / 90			
H	100			-	100	-	-	-	150 / 200			
Ø I ^{H7}	50			50	50	50			50			
L	20			20	20	20			20			
M	22			22	22	22			30			
W	74			74	74	74			99			
kg	72,4	83,6	94,8	137	106	142,6	170	190	244	268	291	315
Cod.	6.61.22400	6.61.22500	6.61.22600	6.61.22601	6.61.22700	6.61.22701	6.61.22702	6.61.22800	6.61.23700	6.61.23800	6.61.23900	6.61.23100

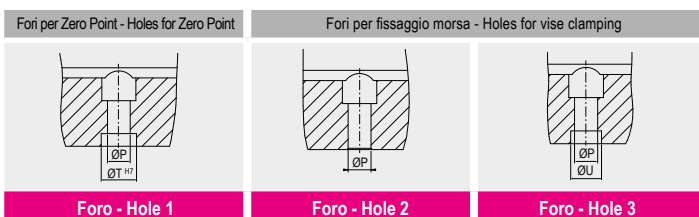
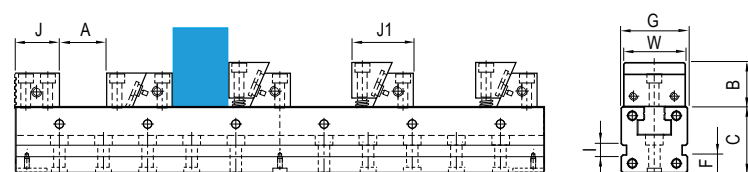
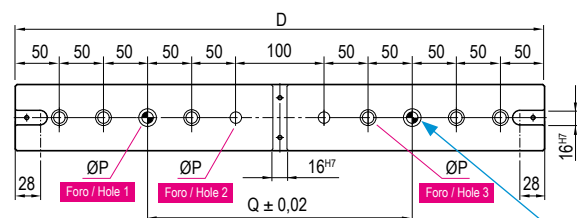
UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !		
Cod.	6.60.4G200	6.60.4G300
Cod. Art. 610B	6.61.0B200	6.61.0B300
Cod. Art. 610C	6.61.0C200	6.61.0C300
Cod. Art. 610D	6.61.0D200	6.61.0D300
Cod. Art. 610E	6.61.0E200	6.61.0E300
Cod. Art. 610F	6.61.0F200	6.61.0F300
Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.36 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.36		
Cod.	6.61.32000	6.61.33000



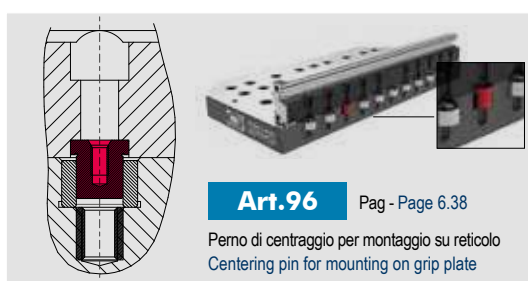
Tipo (grandezza) / Type (size)		1					2					3				
Art. 601 New 2.0 ZERO POINT READY I Corpo base morsa Vise base body 	A	34 (M8)					50 (M10)					70 (M10)				
	A1	34 (M8)					54 (M10)					70 (M10)				
	B	8 (M8)					12,5 (M10)					15 (M10)				
	B1	8 (M8)					10,5 (M10)					15 (M10)				
	C $\pm 0,02$	50					75					100				
	D $\pm 0,05$	300	400	500	600	700	400	500	600	700	800	900	700	800	900	1000
	E	37,5					55					75				
	F	15					20					20				
	G $\pm 0,02$	50					75					100				
	I	10					11					12				
	L $\pm 0,05$	14					22					30				
	Ø P	9					13					17				
	Q $\pm 0,02$	100/200	100/200	200	300	400	200/300	200	300	400	400/500	300/400/500	400	400/500	400/500	400/500
	Ø T ^{H7}	14					20					20				
	Ø U	12					18					-				
kg	4,4	5,9	7,3	8,8	10,2	13,9	17,4	20,9	24,4	27,9	31,4	42,5	48	55	60,7	
Cod.	6.60.11300	6.60.11400	6.60.11500	6.60.11600	6.60.11700	6.60.12400	6.60.12500	6.60.12600	6.60.12700	6.60.12800	6.60.12900	6.60.13700	6.60.13800	6.60.13900	6.60.13100	



2 mm = Passo delle righe - Rows pitch

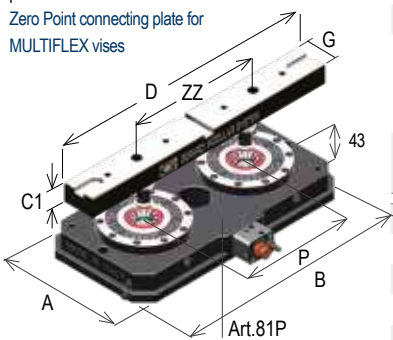


Modificabili per Zero Point
Adaptable for Zero Point



Art.96 Pag - Page 6.38

Perno di centraggio per montaggio su reticolo
Centering pin for mounting on grip plate

Tipo (grandezza) / Type (size)		1					2					3			
Art. 62															
MULTIFLEX															
Piastra di interfaccia Zero Point per morse MULTIFLEX Zero Point connecting plate for MULTIFLEX vises															
															
D	300	400	500	600	700	400	500	600	700	800	900	700	800	900	1000
G	50					75					100				
C1	28					33					33				
N	3	4	5	6	7	4	5	6	7	8	9	7	8	9	100
ZZ	^{+0.02} _{-0.02} 200	200	250	200x2		200	250	200x2		300x2		200x2	300x2		400x2
kg	3,1	4,2	5,3	6,4	7,4	7,5	9,5	11,4	13,2	15,2	17,2	17,8	20,4	23	25,5
Cod.	6.62.13000	6.62.14000	6.62.15000	6.62.16000	6.62.17000	6.62.24000	6.62.25000	6.62.26000	6.62.27000	6.62.28000	6.62.29000	6.62.37000	6.62.38000	6.62.39000	6.62.31000
A	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
B	400	500	600	600	600	400	500	600	600	800	800	600	800	1000	
		Art.665 Tipo / Type2													
P	200	250	200X2	200	250	200X2	300X2	200x2	300X2	400x2					
kg	29	35	42	29	35	42	59	42	59	71,5					
Cod.	9.81.P2040S2	9.81.P2050S2	9.81.P2060S3	9.81.P2040S2	9.81.P2050S2	9.81.P2080S3	9.81.P22080S3	9.81.P2060S3	9.81.P2080S3	9.81.P20100S3					
Art.81P															
Tiranti e viti INCLUSI Pull Studs and screws INCLUDED															
Art.81P															
Piastra Zero Point in acciaio con montaggio incassato Zero Point steel plate built-in mounting															

Tiranti e viti INCLUSI
Pull Studs and screws INCLUDED

Art.81P

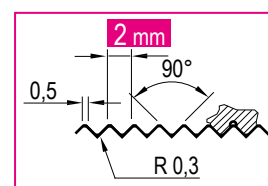
Piastra Zero Point in acciaio
con montaggio incassato
Zero Point steel plate built-in mounting

Tipo (grandezza) / Type (size)		1						2						3					
Art. 603 Corpo base cubo Cube base body	C ^{-0 -0,02}	100					150			230	150	210	240		240				
	D	300	400	500	600	700	400	500	600	600	700	700	700	800	700	800	900	1000	
	G ^{-0 -0,02}	50					75			75	75	75		100					
	Ø I ^{H7}	25					50			50	50	50		50					
	L ^{-0 -0,02}	20					20			20	20	20		20					
	kg	15,4	20,5	25,6	30,7	35,8	44,8	56	67,2	110	78,4	115	143	163	164	188	211	235	
	Cod.	6.60.31300	6.60.31400	6.60.31500	6.60.31600	6.60.31700	6.60.32400	6.60.32500	6.60.32600	6.60.32601	6.60.32700	6.60.32701	6.60.32702	6.60.32800	6.60.33700	6.60.33800	6.60.33900	6.60.33100	

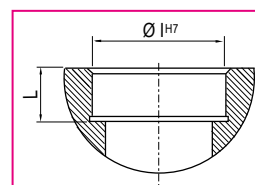
I prezzi su fondo magenta sono **comprensivi di base integrale**
Prices on the magenta background **include the solid head plate with the vise-tower**

Art. 603

Corpo cubo semplice
Simple cube body



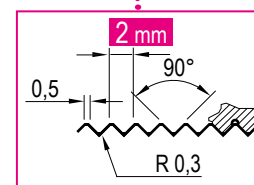
2 mm = Passo delle righe
Rows pitch



Foro di centraggio
Centering hole

Art. 603

Corpo cubo con base integrale
Cube body with integral base



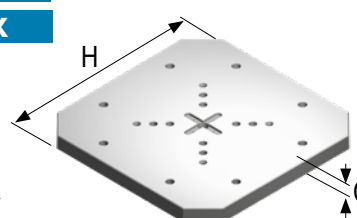
2 mm = Passo delle righe
Rows pitch

Art. 828A

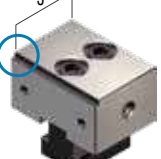
MULTIFLEX

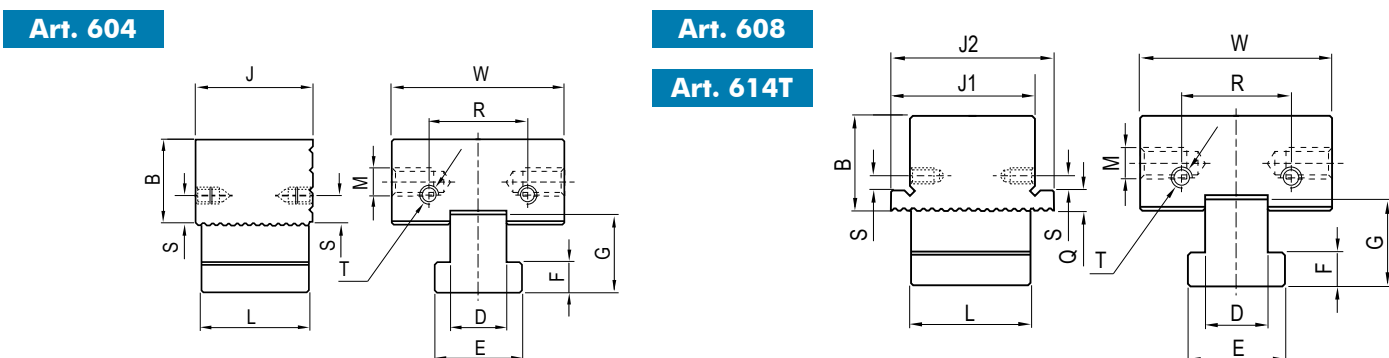
Piastra base per
cubo-morsa
personalizzata
(Bussola di centraggio
Art. 852 compresa)

Head plate for vise-tower
tailor made
(Centering bushing Art. 852 included)

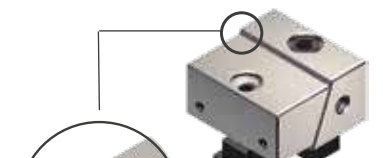
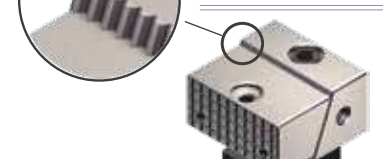
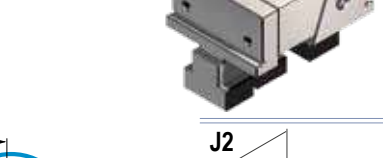
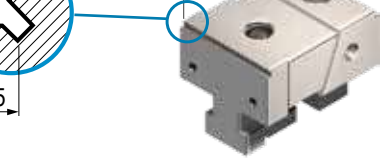


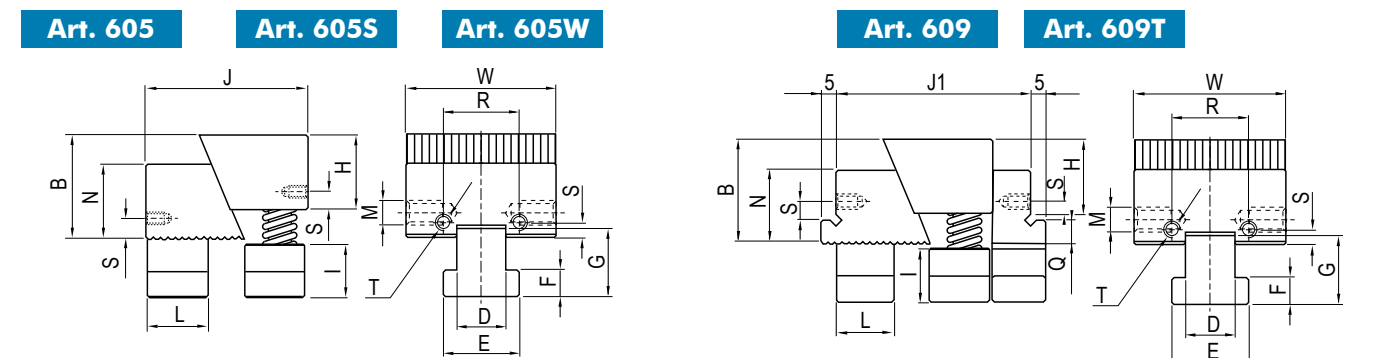
	1	2	3	4	5	6	7
C	33	33	38	38	38	38	38
H	300	350	400	450	500	630	800
kg	22	30	44,5	56,5	71	113	182
Cod.	6.82.8A100	6.82.8A200	6.82.8A300	6.82.8A400	6.82.8A500	6.82.8A600	6.82.8A700

Tipo (grandezza) / Type (size)	1	2	3
Art. 604*			
Ganascia fissa (1 lato liscia, 1 lato zigrinata) per morsa Art. 600 e 602 Fixed jaw (1 side smooth, 1 side serrated) for vise Art. 600 and 602	kg 0,4 Cod. 6.60.41000	1,35 6.60.42000	3,84 6.60.43000
	* Arresto laterale a richiesta - Workstop on request		
Art. 604G*			
Ganascia fissa liscia da entrambi i lati, per morsa Art. 611 e cubi Art. 612 Fixed smooth jaw both sides, for vise Art. 611 and cubes Art. 612	kg 0,5 Cod. 6.60.4G100	1,40 6.60.4G200	3,90 6.60.4G300
	* Arresto laterale a richiesta - Workstop on request		
Art. 604T*			
Ganascia fissa GRIP per morsa Art. 606T Fixed GRIP jaw for vise Art. 606T	J 38 Cod. 6.60.4T100	50 6.60.4T200	70 6.60.4T300
	* Arresto laterale a richiesta - Workstop on request		
Art. 608*			
Ganascia fissa con gradino per morsa Art. 606 Fixed step jaw for vise Art. 606	J 38 kg 0,45 Cod. 6.60.81000	50 1,4 6.60.82000	70 4 6.60.83000
	* Arresto laterale a richiesta - Workstop on request		
Art. 614T*			
Ganascia fissa con doppio gradino Fixed jaw with double step	J 38 Cod. 6.61.4T100	50 6.61.4T200	70 6.61.4T300
	* Arresto laterale a richiesta - Workstop on request		



Art.	1	2	3
W	49	74	99
B	25	40	60
D	14	22	30
E	22	35	48
F	8	14	21
G	21	33	46
J	38	50	70
J1	43	55	75
J2	48	60	80
L	30	45	60
M	M10	M10	M10
Q	5	8	10
R	30	50	50
S	7	10	10
T	M5	M6	M6

Tipo (grandezza) / Type (size)	1	2	3
Art. 605*			
Ganascia fissa e mobile liscia per morsa Art. 600 Fixed and movable smooth jaw for vise Art. 600	kg 0,6 Cod. 6.60.51000	1,8 6.60.52000	4,7 6.60.53000
	* Arresto laterale a richiesta - Workstop on request		
Art. 605S*			
Ganascia fissa e mobile zigrinata per morsa Art. 600 Fixed and movable serrated jaw Art. 600	kg 0,6 Cod. 6.60.5S100	1,8 6.60.5S200	4,7 6.60.5S300
	* Arresto laterale a richiesta - Workstop on request		
Art. 605W*			
Ganascia fissa zigrinata e mobile liscia per morsa Art. 600 Serrated fixed jaw and movable smooth for vise Art. 600	kg 0,6 Cod. 6.60.5W100	1,8 6.60.5W200	4,7 6.60.5W300
	* Arresto laterale a richiesta - Workstop on request		
Art. 609*			
Ganascia fissa e mobile con gradino per morsa Art. 606 Fixed and moving jaw with step for vise Art. 606	kg 0,8 Cod. 6.60.91000	2,2 6.60.92000	5,5 6.60.93000
	* Arresto laterale a richiesta - Workstop on request		
Art. 609T*			
Ganascia fissa e mobile GRIP per morsa Art. 606T Fixed and moving GRIP jaw for vise Art. 606T	J2 38 Cod. 6.60.9T100	50 6.60.9T200	70 6.60.9T300
	* Arresto laterale a richiesta - Workstop on request		



Art.	1	2	3
W	49	74	99
B	35 / 25	40	60
D	14	22	30
E	22	35	48
F	8	14	21
G	25	33	46
H	25	34	50
I	18	26	42
J	54 / 58	70 / 75	94,5 / 98,5
J1	63,5 / 67,5	85 / 88	114,5 / 119
J2	70 / 74	87 / 90	120,5 / 115,5
L	22	26	35
M	M10	M10	M10
N	25	40	60
Q	5	8	10
R	30	50	50
S	7	10	10
T	M5	M6	M6

Tipo (grandezza) / Type (size)	1	2	3
Art. 613			
Ganascia mobile di spinta doppia per morsa Art. 611 Double clamping movable jaws for vise Art. 611			
kg	0.5	1.4	4.3
Cod.	6.61.31000	6.61.32000	6.61.33000

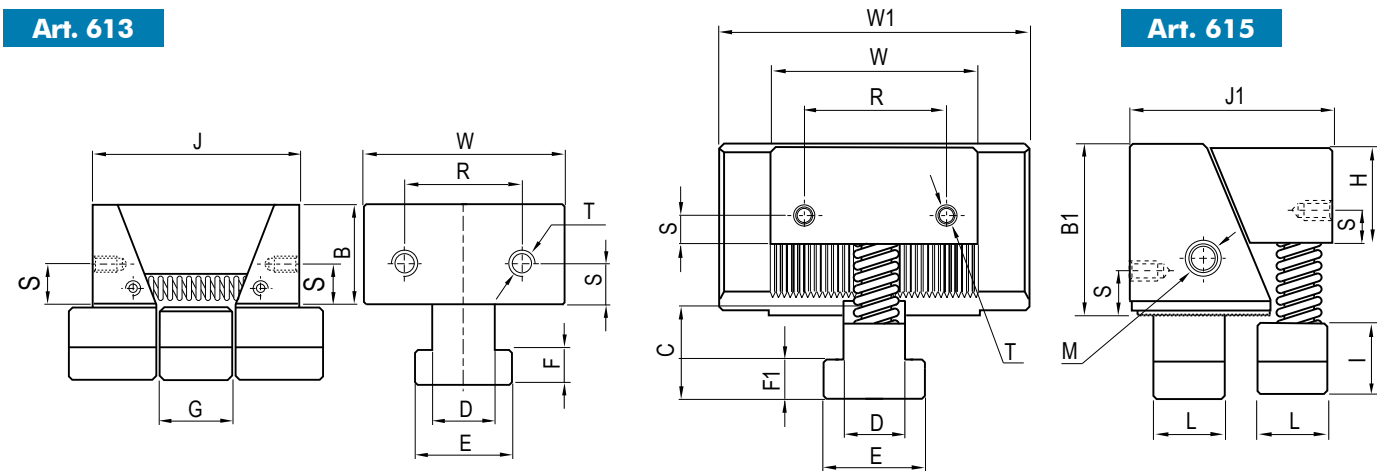


Art. 615*			
Ganascia di posizionamento liscia maggiorata e cuneo mobile liscio Bigger positioning smooth jaw with movable smooth wedge (Increased with respect to standard dimensions)			
Cod.Art.615	6.61.51000	6.61.52000	6.61.53000
Cod.Art.615S	6.61.5S100	6.61.5S200	6.61.5S300
Cod.Art.615W	6.61.5W100	6.61.5W200	6.61.5W300



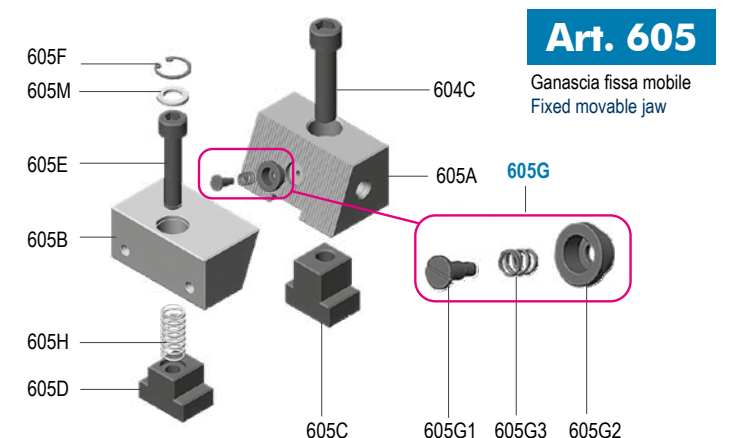
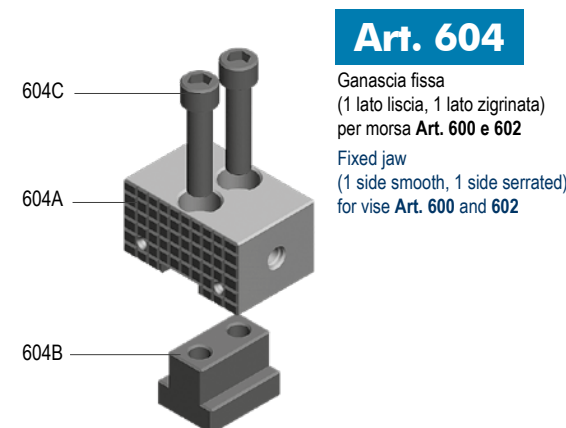
* Arresto laterale a richiesta Workstop on request

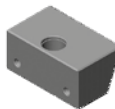
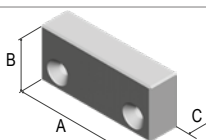
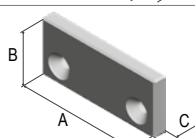
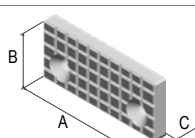
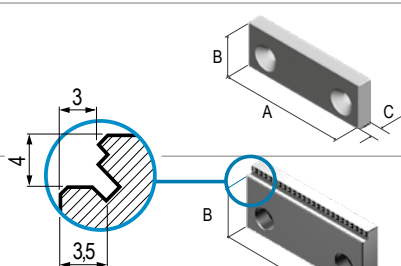
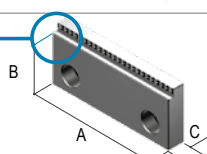
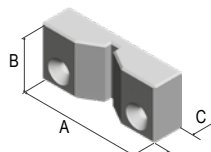
Art. 615S			
Ganascia di posizionamento zigrinata maggiorata e cuneo mobile zigrinato Bigger positioning serrated jaw with movable serrated wedge (Increased with respect to standard dimensions)			
Cod.Art.615S	6.61.5S100	6.61.5S200	6.61.5S300
Cod.Art.615W	6.61.5W100	6.61.5W200	6.61.5W300



Art.	1	2	3
W	49	74	99
W1	64	110	150
B	25	40	60
B1	45	60	75
C	21	33	46
D	14	22	30
E	22	35	48
F	9	15	21
F1	8	14	21
G	13	15	25
H	25	34	50
I	18	26	40
J	44 / 50	52 / 58	84 / 90
J1	54 / 58	73 / 79	94.5 / 98.5
L	22	25	35
M	M10	M10	M10
N	45	60	75
R	30	50	50
S	7	10	10
T	M5	M6	M6

Tipo (grandezza) / Type (size)	1	2	3
Art. 604			
Ganascia fissa (1 lato liscia, 1 lato zigrinata) / Fixed jaw (1 side smooth, 1 side serrated)			
Art. 604A			
Ganascia fissa (un lato liscio e uno zigrinato) Fixed jaw (1 side smooth, 1 side serrated)			
Art. 604B			
Dado a "T" per ganascia fissa / "T" nut for fixed jaw			
Art. 604C			
Vite TCEI fissaggio ganascia fissa / Hex socket head screw for fixed jaw			
Art. 605A			
Cuneo di posizionamento / Positioning wedge			
Art. 605AS			
Cuneo di posizionamento zigrinato / Serrated positioning wedge			
Art. 605B			
Cuneo di spinta / Clamping wedge			
Art. 605BS			
Cuneo di spinta zigrinato / Serrated clamping wedge			
Art. 605C			
Dado a "T" per cuneo di posizionamento / "T" nut for positioning wedge			
Art. 605D			
Dado a "T" per cuneo di spinta / "T" nut for clamping wedge			
Art. 605E			
Vite TCEI / TCEI screw			
Art. 605F			
Anello elastico / Seeger			
Art. 605G1			
Vite a gradino / Step screw			
Art. 605G2			
Perno a molla / Spring pin			
Art. 605G3			
Molla / Spring			
Art. 605H			
Molla / Spring			
Art. 605I			
Cuneo a spinta dolce / Soft clamping wedge			
Art. 605L			
Cuneo di spinta a "V" / "V" clamping wedge			
Art. 605M			
Rondella / Washer			



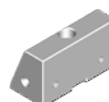
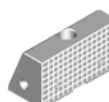
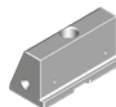
Tipo (grandezza) / Type (size)		1	2	3																								
Art. 605B Cuneo di spinta Clamping wedge		Art. 605BT Cuneo di spinta per piastra GRIP Clamping wedge for GRIP plate		<table><tr><td>Cod. Art. 605B</td><td>6.60.5B100</td><td>6.60.5B200</td><td>6.60.5B300</td></tr><tr><td>Cod. Art. 605BT</td><td>6.60.5BT10</td><td>6.60.5BT20</td><td>6.60.5BT30</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod. Art. 605B	6.60.5B100	6.60.5B200	6.60.5B300	Cod. Art. 605BT	6.60.5BT10	6.60.5BT20	6.60.5BT30																
Cod. Art. 605B	6.60.5B100	6.60.5B200	6.60.5B300																									
Cod. Art. 605BT	6.60.5BT10	6.60.5BT20	6.60.5BT30																									
Art. 609A Cuneo di posizionamento con gradino Positioning wedge with step		Art. 609AT Cuneo di posizionamento GRIP Positioning GRIP wedge		<table><tr><td>Cod. Art. 609A</td><td>6.60.9A100</td><td>6.60.9A200</td><td>6.60.9A300</td></tr><tr><td>Cod. Art. 609AT</td><td>6.60.9AT10</td><td>6.60.9AT20</td><td>6.60.9AT30</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod. Art. 609A	6.60.9A100	6.60.9A200	6.60.9A300	Cod. Art. 609AT	6.60.9AT10	6.60.9AT20	6.60.9AT30																
Cod. Art. 609A	6.60.9A100	6.60.9A200	6.60.9A300																									
Cod. Art. 609AT	6.60.9AT10	6.60.9AT20	6.60.9AT30																									
Art. 609B Ganasia mobile guidata con gradino Movable guided jaw with step		Art. 609BT Ganasia mobile guidata GRIP Movable guided GRIP jaw		<table><tr><td>Cod. Art. 609B</td><td>6.60.9B100</td><td>6.60.9B200</td><td>6.60.9B300</td></tr><tr><td>Cod. Art. 609BT</td><td>6.60.9BT10</td><td>6.60.9BT20</td><td>6.60.9BT30</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod. Art. 609B	6.60.9B100	6.60.9B200	6.60.9B300	Cod. Art. 609BT	6.60.9BT10	6.60.9BT20	6.60.9BT30																
Cod. Art. 609B	6.60.9B100	6.60.9B200	6.60.9B300																									
Cod. Art. 609BT	6.60.9BT10	6.60.9BT20	6.60.9BT30																									
Art. 610B Piastra ganasce dolce Soft jaw plate				<table><tr><td>A</td><td>48</td><td>73</td><td>98</td></tr><tr><td>B</td><td>20</td><td>32</td><td>50</td></tr><tr><td>C</td><td>12</td><td>18</td><td>30</td></tr><tr><td>Cod.</td><td>6.61.0B100</td><td>6.61.0B200</td><td>6.61.0B300</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	A	48	73	98	B	20	32	50	C	12	18	30	Cod.	6.61.0B100	6.61.0B200	6.61.0B300								
A	48	73	98																									
B	20	32	50																									
C	12	18	30																									
Cod.	6.61.0B100	6.61.0B200	6.61.0B300																									
Art. 610C Piastra ganasce liscia Smooth jaw plate				<table><tr><td>A</td><td>48</td><td>73</td><td>98</td></tr><tr><td>B</td><td>20</td><td>32</td><td>50</td></tr><tr><td>C</td><td>6</td><td>10</td><td>10</td></tr><tr><td>Cod.</td><td>6.61.0C100</td><td>6.61.0C200</td><td>6.61.0C300</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	A	48	73	98	B	20	32	50	C	6	10	10	Cod.	6.61.0C100	6.61.0C200	6.61.0C300								
A	48	73	98																									
B	20	32	50																									
C	6	10	10																									
Cod.	6.61.0C100	6.61.0C200	6.61.0C300																									
Art. 610D Piastra ganasce zigrinata Serrated jaw plate				<table><tr><td>A</td><td>48</td><td>73</td><td>98</td></tr><tr><td>B</td><td>20</td><td>32</td><td>50</td></tr><tr><td>C</td><td>6</td><td>10</td><td>10</td></tr><tr><td>Cod.</td><td>6.61.0D100</td><td>6.61.0D200</td><td>6.61.0D300</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	A	48	73	98	B	20	32	50	C	6	10	10	Cod.	6.61.0D100	6.61.0D200	6.61.0D300								
A	48	73	98																									
B	20	32	50																									
C	6	10	10																									
Cod.	6.61.0D100	6.61.0D200	6.61.0D300																									
Art. 610E Piastra ganasce parallela Parallel jaw plate				<table><tr><td>A</td><td>48</td><td>73</td><td>98</td></tr><tr><td>B</td><td>15</td><td>27</td><td>45</td></tr><tr><td>C</td><td>6</td><td>10</td><td>10</td></tr><tr><td>Cod.</td><td>6.61.0E100</td><td>6.61.0E200</td><td>6.61.0E300</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	A	48	73	98	B	15	27	45	C	6	10	10	Cod.	6.61.0E100	6.61.0E200	6.61.0E300								
A	48	73	98																									
B	15	27	45																									
C	6	10	10																									
Cod.	6.61.0E100	6.61.0E200	6.61.0E300																									
Art. 610T Piastra ganasce GRIP a forte serraggio GRIP jaw plate for strongest clamping				<table><tr><td>A</td><td>48</td><td>73</td><td>98</td></tr><tr><td>B</td><td>20</td><td>32</td><td>50</td></tr><tr><td>C</td><td>8</td><td>10</td><td>10</td></tr><tr><td>Cod.</td><td>6.61.0T100</td><td>6.61.0T200</td><td>6.61.0T300</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	A	48	73	98	B	20	32	50	C	8	10	10	Cod.	6.61.0T100	6.61.0T200	6.61.0T300								
A	48	73	98																									
B	20	32	50																									
C	8	10	10																									
Cod.	6.61.0T100	6.61.0T200	6.61.0T300																									
Art. 610F Piastra ganasce prismatica Prismatic jaw plate				<table><tr><td>Ø</td><td>5 + 35</td><td>9 + 50</td><td>20 + 80</td></tr><tr><td>A</td><td>48</td><td>73</td><td>98</td></tr><tr><td>B</td><td>20</td><td>32</td><td>50</td></tr><tr><td>C</td><td>12</td><td>18</td><td>30</td></tr><tr><td>Cod.</td><td>6.61.0F100</td><td>6.61.0F200</td><td>6.61.0F300</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Ø	5 + 35	9 + 50	20 + 80	A	48	73	98	B	20	32	50	C	12	18	30	Cod.	6.61.0F100	6.61.0F200	6.61.0F300				
Ø	5 + 35	9 + 50	20 + 80																									
A	48	73	98																									
B	20	32	50																									
C	12	18	30																									
Cod.	6.61.0F100	6.61.0F200	6.61.0F300																									
Art. 610Z Vite per piastre ganasce Screw for jaw plates				<table><tr><td>Cod.</td><td>6.61.0Z100</td><td>6.61.0Z200</td><td>6.61.0Z300</td></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Cod.	6.61.0Z100	6.61.0Z200	6.61.0Z300																				
Cod.	6.61.0Z100	6.61.0Z200	6.61.0Z300																									

Art. 609
 Ganascia mobile e fissa con gradino
Esempi di combinazioni
 Fixed and moving jaw with step
Typical arrangements

Art. 609T
 Ganascia fissa e mobile **GRIP**
 Fixed and movable **GRIP** jaw

605B
 609B
 609A
 Arresto laterale magnetico Art.370EM
 Magnetic workshop Art.370EM
 609BT
 610E
 610Z
 Arresto laterale per allineamento Art.370
 Workshop for alignment of Art.370
 610Z
 609AT

610C
 610D
 610B
 610T
 610E
 610F
 610Z

Tipo (grandezza) / Type (size)		1	2	3	
Art. 608A Ganascia fissa con gradino Fixed jaw with step			Cod. 6.60.8A100	6.60.8A200	6.60.8A300
Art. 613A Ganascia mobile Movable jaw			Cod. 6.61.3A100	6.61.3A200	6.61.3A300
Art. 613B Cuneo di spinta Clamping wedge			Cod. 6.61.3B100	6.61.3B200	6.61.3B300
Art. 613C Dado a "T" "T" nut			Cod. 6.61.3C100	6.61.3C200	6.61.3C300
Art. 613D Vite TCEI Hex socket head screw			Cod. 6.61.3D100	6.61.3D200	6.61.3D300
Art. 613E Grano Set screw			Cod. 6.61.3E100	6.61.3E200	6.61.3E300
Art. 613F Molla Spring			Cod. 6.61.3F100	6.61.3F200	6.61.3F300
Art. 615A Cuneo di posizionamento liscio maggiorato Positioning wedge smooth (increased with respect to stand dimension)			Cod. 6.61.5A100	6.61.5A200	6.61.5A300
Art. 615AS Cuneo di posizionamento zigrinato maggiorato Positioning wedge serrated (increased with respect to stand dimension)			Cod. 6.61.5AS10	6.61.5AS20	6.61.5AS30
Art. 615I Cuneo di posizionamento dolce maggiorato Positioning wedge soft (increased with respect to stand dimension)			Cod. 6.61.5I100	6.61.5I200	6.61.5I300
Art. 615L Cuneo di posizionamento a gradino maggiorato Positioning wedge with stop (increased with respect to stand dimension)			Cod. 6.61.5L100	6.61.5L200	6.61.5L300
Art. 615C Vite TCEI fissaggio ganascia fissa Hex socked head screw for fixed jaw			Cod. 6.61.5C100	6.61.5C200	6.61.5C300
Art. 615E Vite TCEI TCEI screw			Cod. 6.61.5E100	6.61.5E200	6.61.5E300

Art. 613
 Ganascia mobile doppia di spinta
 Double clamping movable jaws

Art. 613 components: 613A, 613B, 613C, 613D, 613E, 613F.

Art. 615
 Ganascia con cuneo di posizionamento maggiorato
 Jaw with bigger positioning wedge
 (Increased with respect to standard dimensions)

Art. 615 components: 605A, 605B, 605C, 605D, 605E, 605F, 605G1, 605G3, 605G2, 605H, 605M.

DADI A "T" PER TRASFORMAZIONI "T" NUTS FOR TRANSFORMATIONS

Tipo (grandezza) / Type (size)

Base / Base
Ganascia / Jaw

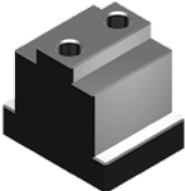
Tipo - Type 2
Tipo - Type 1

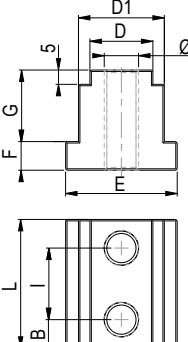
Tipo - Type 3
Tipo - Type 1

Tipo - Type 3
Tipo - Type 2

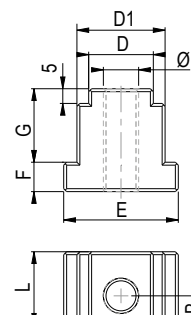
Art. 604B

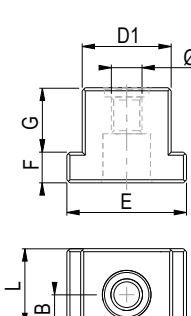
Dado a "T" per ganascia fissa
"T" nut for fixed jaw

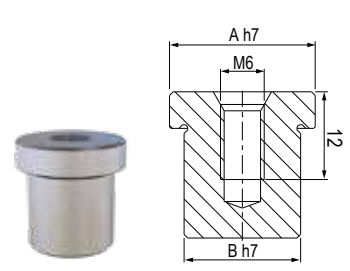




B	6	6	10
D	14	14	22
D1	22	30	30
E	34	39	39
F	14	14	14
G	19	25	25
I	18	18	25
L	30	30	45
Ø	M8	M8	M12
Cod	6.60.4B100/2	6.60.4B100/3	6.60.4B200/3

Art. 605C Dado a "T" per cuneo di posizionamento "T" nut for positioning wedge		B	9	9	10
		D	14	14	22
		D1	22	30	30
		E	34	39	39
		F	14	14	14
		G	19	25	25
		I	-	-	-
		L	22	22	25
		Ø	M8	M8	M12
		Cod	6.60.5C100/2	6.60.5C100/3	6.60.5C200/3

Art. 605D Dado a "T" per cuneo di spinta "T" nut for clamping wedge		B	9	9	10
		D	-	-	-
		D1	21	29	29
		E	34	39	39
		F	14	14	14
		G	15	21	21
		I	-	-	-
		L	21	21	25
		Ø	M8	M8	M10
		Cod	6.60.5D100/2	6.60.5D100/3	6.60.5D200/3

Tipo (grandezza) / Type (size)	1	2	3
Multiflex 2.0 ZERO POINT READY I Art. 96 Perno di centraggio per montaggio morse Multiflex 2.0 su reticolo Centering pin for mounting Multiflex 2.0 vises on grip plate			

Tipo (grandezza) / Type (size)

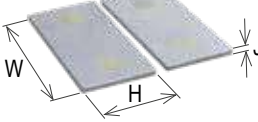
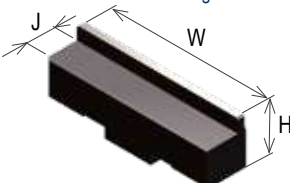
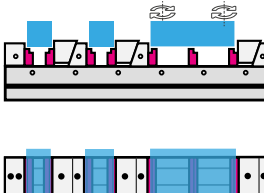
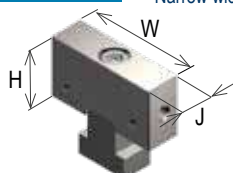
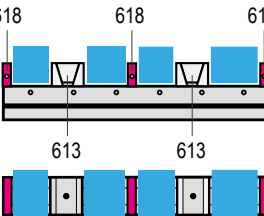
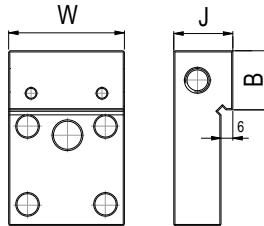
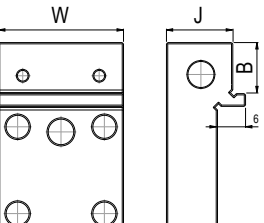
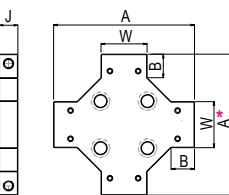
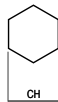
Art. 81

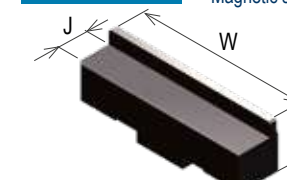
Vite calibrata a colletto
per morse Multiflex (Non versione 2.0)
Shoulder calibrated screw
for Multiflex vises (Not for 2.0 issue)

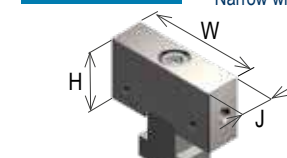
	1	2	3
ØA	13	20	24
B	8	8	12
C	46	65	80
ØD	10	16	16
F	+M8	M12	M12
X	25	40	50
Cod	6.81.11025	8.83.B1640	8.83.16500

N.B: Per avere altre lunghezze consultare Pag.11.15 - For other lengths see Page.11.15

LUNGHEZZA VITI CALIBRATE A COLLETO PER SOLUZIONI A RETICOLO
SHOULDER CALIBRATED SCREW LENGTHS FOR GRID SOLUTIONS

Tipo (grandezza) / Type (size)		1	2	3		
Art. 616 Coppia di piastre parallele magnetiche piane Pair of straight parallels magnetic plates						
						
J	2,7	2,7	2,7			
W	49	74	99			
H	20	35	55			
Cod.	6.61.6100C	6.61.6200C	6.61.6300C			
Art. 617 Piastra magnetica a gradino monoblocco Magnetic solid step jaw plate						
						
J	12	17	22			
W	49	74	99			
H	20	35	55			
Cod.	6.61.71020	6.61.72035	6.61.73055			
Art. 618 Ganascia fissa ridotta Narrow width fixed jaw						
						
J	18	22	29			
W	49	74	99			
H	25	40	60			
Cod.	6.61.81000	6.61.82000	6.61.83000			
Art. 604R Ganascia fissa di partenza Fixed start jaw						
						
Solo per art.600 e 611 Only for art.600 and 611						
						
PER UNA MAGGIORE APERTURA - FOR MORE OPENING CAPACITY						
W	49	74	99			
J	25	30	35			
B	25	40	60			
Cod	6.60.4R100	6.60.4R200	6.60.4R300			
Art. 608R Ganascia fissa di partenza con gradino Fixed start jaw with step						
						
Solo per art.606 Only for art.606						
						
PER UNA MAGGIORE APERTURA - FOR MORE OPENING CAPACITY						
W	49	74	99			
J	26	36	41			
B	25	40	60			
Cod	6.60.8R100	6.60.8R200	6.60.8R300			
Art. 604PC Piastra ganascia fissa di partenza per cubo-morsa Fixed start jaw plate for vise tower						
						
						
*Scegliere la dimensione A in funzione del cubo utilizzato, vedi Art.603 a pag. 6.31 Referring to the cube you are using, choose dimension "A", see Art.603 page. 6.31						
A	150	230	290	310	320	360
W	49	74	99			
J	20	25	30			
B	25	40	60			
Cod	6.60.4PC10	6.60.4PC20	6.60.4PC30			
Art. 79 R Tassello di allineamento regolabile per Multiflex montata su cubo portapezzi Adjustable alignment pin for Multiflex vise mounted on tombstone						
						
Cod.	6.79.R1000					
€	20					
Art. 297 R Tassello di allineamento per Multiflex montata su cubo portapezzi Alignment key-nut for Multiflex vise mounted on tombstone						
						
Cod.	6.29.7R100					
€	16					
Art. 370EM Arresto laterale magnetico Magnetic workshop						
						
Cod.	7.37.02000/EM					
€	66					
Art. 376 Chiave a T T wrench						
						
						
CH	6	8	10	14	16	
Cod.	0.09.23600	0.09.24800	0.09.25100	0.09.27140	0.09.28160	
€	15	16	18	20	21	

Art. 617 Piastra magnetica a gradino monoblocco Magnetic solid step jaw plate		J	12	17	22
		W	49	74	99
		H	20	35	55
		Cod	6.61.71020	6.61.72035	6.61.73055

Art. 618 Ganascia fissa ridotta Narrow width fixed jaw		J	18	22	29
		W	49	74	99
		H	25	40	60
		Cod	6.61.81000	6.61.82000	6.61.83000

Art. 604R Ganascia fissa di partenza Fixed start jaw		W	49	74	99
		J	25	30	35
		B	25	40	60
		Cod	6.60.4R100	6.60.4R200	6.60.4R300

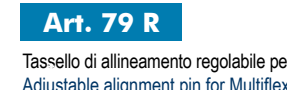
PER UNA MAGGIORE APERTURA - FOR MORE OPENING CAPACITY

Art. 608R Ganascia fissa di partenza con gradino Fixed start jaw with step		W	49	74	99
		J	26	36	41
		B	25	40	60
		Cod	6.60.8R100	6.60.8R200	6.60.8R300

PER UNA MAGGIORE APERTURA - FOR MORE OPENING CAPACITY

Art. 604PC Piastra ganascia fissa di partenza per cubo-morsa Fixed start jaw plate for vise tower		A	150	230	290	310	320	360
		W	49	74	99			
		J	20	25	30			
		B	25	40	60			
		Cod	6.60.4PC10	6.60.4PC20	6.60.4PC30			

*Scegliere la dimensione A in funzione del cubo utilizzato, vedi Art.603 a pag. 6.31
Referring to the cube you are using, choose dimension "A", see Art.603 page. 6.31

Art. 79 R Tassello di allineamento regolabile per Multiflex montata su cubo portapezzi Adjustable alignment pin for Multiflex vise mounted on tombstone		Cod.	6.79.R1000
		€	20

Art. 297 R Tassello di allineamento per Multiflex montata su cubo portapezzi Alignment key-nut for Multiflex vise mounted on tombstone		Cod.	6.29.7R100
		€	16

Art. 370EM Arresto laterale magnetico Magnetic workshop		Cod.	7.37.02000/EM
		€	66

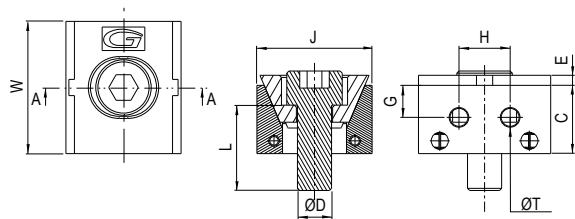
Art. 376 Chiave a T T wrench		CH	6	8	10	14	16
		Cod.	0.09.23600	0.09.24800	0.09.25100	0.09.27140	0.09.28160
		€	15	16	18	20	21

SERRAGGIO A CUNEO DISCENDENTE JAWS WEDGE CLAMP

Tipo (grandezza) / Type (size)

Art.723A

Ganascia liscia
con fori filettati
Smooth jaw with holes



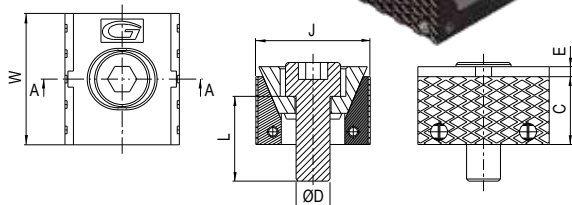
	kN	1 15	2 30	3 60
W		31	42	58
C		16	23	30
ØD		M8	M12	M16
E		2	3,5	4
G		7,5	11,5	15
H		12	18	26
J		27 ÷ 32	42 ÷ 49	57 ÷ 66
L		20	30	35
ØT		M5	M5	M5
Cod.		6.72.3A100	6.72.3A200	6.72.3A300

Acciaio Temprato - Hardened Steel

Tipo (grandezza) / Type (size)

Art.723B

Ganascia zigrinata
Serrated jaw



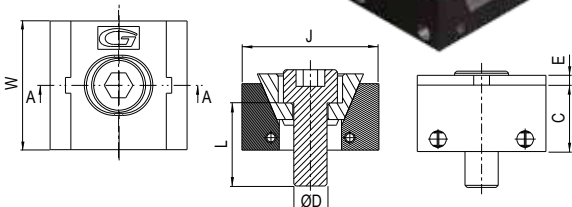
	kN	1 15	2 30	3 60
W		31	42	58
C		16	23	30
ØD		M8	M12	M16
E		2	3,5	4
J		27 ÷ 32	42 ÷ 49	57 ÷ 66
L		20	30	35
ØT				
Cod.		6.72.3B100	6.72.3B200	6.72.3B300

Acciaio Temprato - Hardened Steel

Tipo (grandezza) / Type (size)

Art.723C

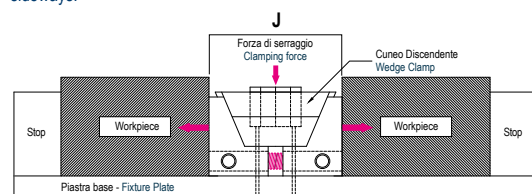
Ganascia lavorabile
Machineable jaw



	kN	1 15	2 30	3 60
W		31	42	58
C		16	23	30
ØD		Ø56	Ø56	Ø76
E		2	3,5	4
J		33 ÷ 38	52 ÷ 59	67 ÷ 76
L		20	30	35
ØT				
Cod.		6.72.3C100	6.72.3C200	6.72.3C300

NON Temprato - NOT Hardened

Grazie alla vite di serraggio viene premuto il cuneo verso il basso generando una forza di serraggio laterale.
Tightening of clamping screw presses the wedge to generate clamping force sideways.



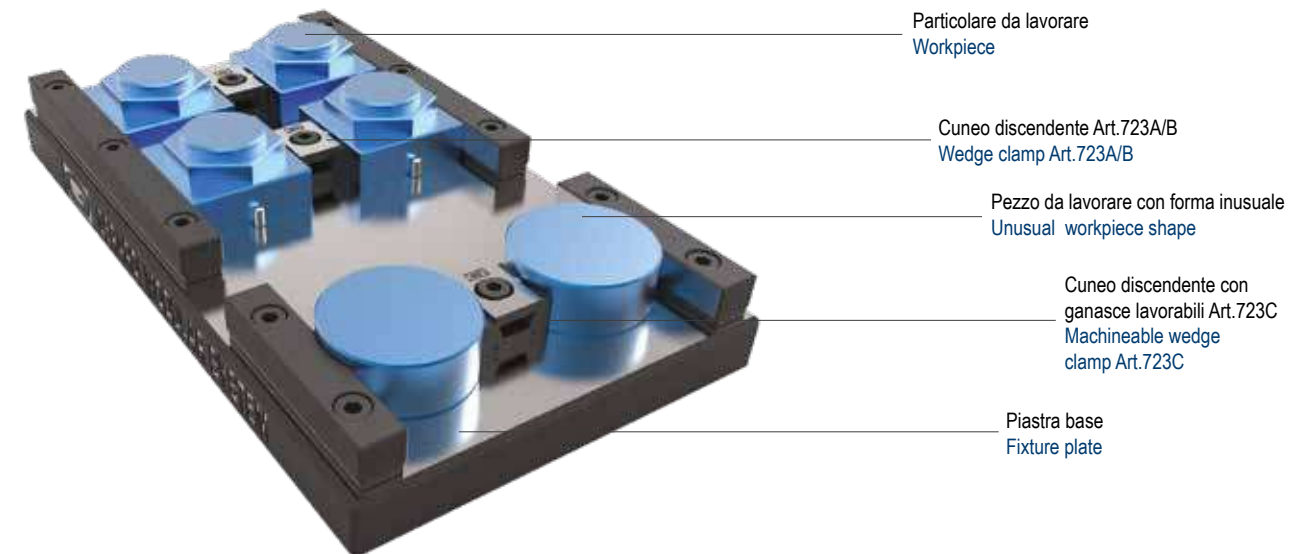
Il nuovo design migliorato e brevettato con molla inferiore assicura una maggiore forza di serraggio verso il basso.
Improved patented design with bottom spring ensures downward clamping force.

		J					
		Tipo/Type 1		Tipo/Type 2		Tipo/Type 3	
		min.	Valore consigliato Suggested value	max.	min.	Valore consigliato Suggested value	max.
Art. 723 A	27	29÷30	32	42	45÷46	49	57
Art. 723 B	27	29÷30	32	42	45÷46	49	57
Art. 723 C	33	35÷36	38	52	55÷56	59	67
Coppia di serraggio Massima Tightening torque Max		25 Nm		90 Nm		210 Nm	

SERRAGGIO A CUNEO DISCENDENTE JAWS WEDGE CLAMP

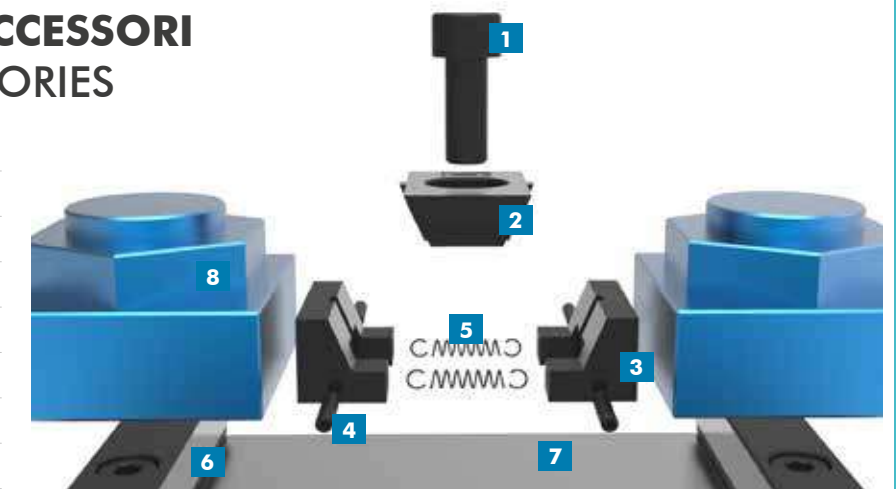
Se il tuo pezzo è adatto per il serraggio con i moduli di serraggio a cuneo discendente Gerardi, il nostro team è in grado di progettare e produrre un'attrezzatura di serraggio multiplo come quello mostrato in figura. Mandateci le vostre richieste con le specifiche del pezzo o della tavola macchina del vostro centro di lavoro per consentirci di verificare l'idoneità dei nostri moduli di serraggio a cuneo discendente e presentare un'offerta adatta a voi.

If your workpiece is suitable for clamping with Gerardi wedge clamps, our team can design and manufacture a multiple clamping fixture for you as the one shown in the picture. Please send us your enquiries with workpiece + machine table specifications of your machining center to enable us check suitability of our wedge clamps and submit an offer to you



PARTI DI RICAMBIO e ACCESSORI SPARE PARTS and ACCESSORIES

- 1 Vita testa esagonale - Hexagonal head screw
- 2 Cuneo di spinta - Wedge clamp
- 3 Ganasce mobili - Movable jaw
- 4 Grani - Grain
- 5 Molle - Springs
- 6 Arresti laterali - Workstops (not included)
- 7 Piastra base - Base plate (not included)



ESEMPI APPLICATIVI BESPOKEN APPLICATION'S EXAMPLES



Sovratavola con sistema di serraggio a cunei discendenti per un serraggio di due pezzi contemporaneamente con un solo cuneo. Il tutto è montato su piastra ZeroPoint.
Head plate interfaced for clamping system with descending wedges. For clamping of two pieces simultaneously with only one wedge. All the fixture is mounted on a Zero Point plate.



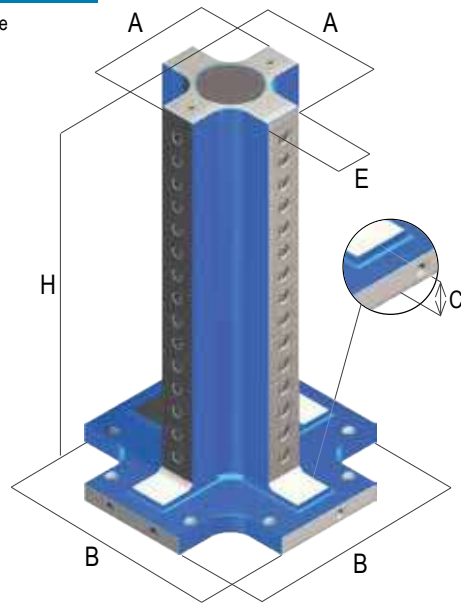
Sovratavola ZeroPoint con sistema di serraggio a cunei discendenti su file multiple. Questo consente un serraggio di due pezzi contemporaneamente con un solo cuneo. Il tutto è montato su piastra ZeroPoint.
Head plate interfaced for clamping system with descending wedges on multiple rows. For clamping of two pieces simultaneously with only one wedge. All the fixture is mounted on a Zero Point plate.



Dimensioni - Dimensions

Art. 57F

Cubo a croce
Cross tower



	A	B	C	E	H	kg	Art. 57F 40		Art. 57F 50	
							Cod.		Cod.	
	200	500	40	80	750	154	8.57.F40100		8.57.F00100	
	200	500	40	80	650	140	8.57.F40105		8.57.F00105	
	250	500	40	80	750	194	8.57.F40106		8.57.F00106	
	270	500	40	80	850	232	8.57.F40110		8.57.F00110	
	230	500	40	110	850	214	8.57.F40120		8.57.F00120	
	300	500	40	150	850	264	8.57.F40130		8.57.F00130	
	300	630	40	150	950	322	8.57.F40140		8.57.F00140	
	370	500	40	200	950	379	8.57.F40145		8.57.F00145	
	400	500	50	100	850	228	8.57.F40150		8.57.F00150	
	1000	1250	40	600	900	1554	8.57.F40250		8.57.F00250	

Art. 57F 40

Croce a reticolo con bussole temprate 100Cr6 e filetti riportati in acciaio inox. Tolleranza $\pm 0,02$ mm
■ Interasse reticolo 40 mm = $\varnothing 12$ / M10
■ Interasse reticolo 50 mm = $\varnothing 16$ / M12

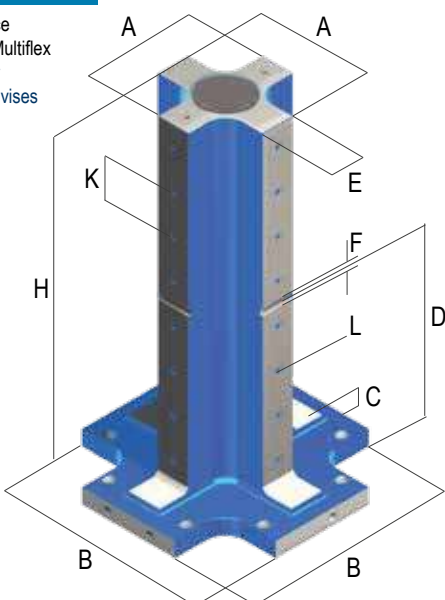
Art. 57F 50

Crosscube grid type with hardened bushing 100Cr6 and inox steel helicoils. Tolerance $\pm 0,02$ mm
■ Grid pitch 40 mm = $\varnothing 12$ / M10
■ Grid pitch 50 mm = $\varnothing 16$ / M12

Dimensioni - Dimensions

Art. 57G

Cubo a croce per morse Multiflex
Cross tower for Multiflex vises



	A	B	C	D	E	F	H	K	L	kg	Cod.
	200	500	40	350	80	16	750	50	M12	154	8.57.G00100
	200	500	40	350	80	16	650	50	M12	140	8.57.G00105
	250	500	40	400	80	16	750	50	M12	194	8.57.G00106
	270	500	40	450	80	16	850	50	M12	232	8.57.G00110
	230	500	40	450	110	16	850	50	M12	214	8.57.G00120
	300	500	40	450	150	16	850	50	M12	264	8.57.G00130
	300	630	40	500	150	16	950	50	M12	322	8.57.G00140
	370	500	40	500	200	16	950	50	M12	379	8.57.G00145
	400	500	50	450	100	16	850	50	M12	228	8.57.G00150

Art. 79R

Perno di allineamento regolabile per Multiflex montata su cubo portapezzi
Adjustable alignment pin for Multiflex vise mounted tombstone



Cod.	6.79.R1000
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Art. 297R

Tassello di allineamento per Multiflex montata su cubo portapezzi
Alignent key-nut for Multiflex vise mounted on tombstone



Cod.	6.29.7R100
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Diagrammi di serraggio / Clamping diagrams

MULTIFLEX

Diagrammi di serraggio meccanico con chiave dinamometrica

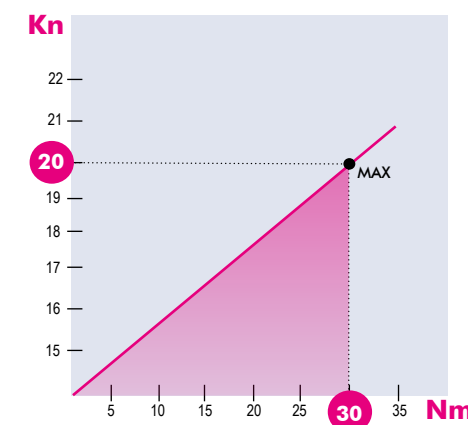
Mechanical clamping diagrams with torque wrench

Art. 357

**Morse tipo
Vises type**

1

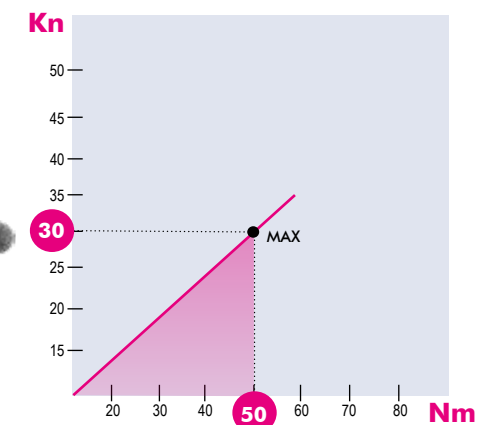
Cuneo di spinta:
Momento massimo applicato 40Nm
Clamping wedge: Torque 40Nm



**Morse tipo
Vises type**

2

Cuneo di spinta:
Momento massimo applicato 120Nm
Clamping wedge: Torque 120Nm



Art. 357

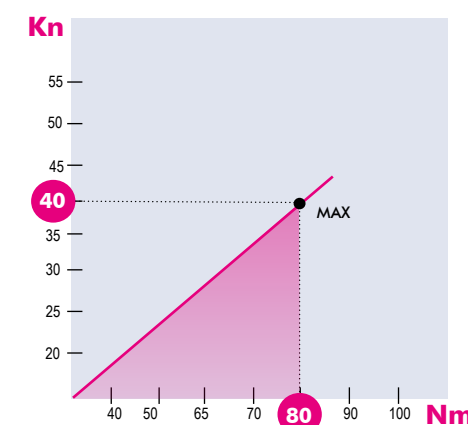
Gruppi di serraggio meccanici / Mechanical clamping device

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 3), in funzione della forza applicata.
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) depending on the force torque.

**Morse tipo
Vises type**

3

Cuneo di spinta:
Momento massimo applicato 150Nm
Clamping wedge: Torque 150Nm



Art. 357

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.

MONTAGGIO MORSE in VERTICALE su CUBO INTERFACCIATO

WISE VERTICAL MOUNTING on COMPLETELY INTERFACED TOMBSTONES

Art. 57G Cubo lavorata
Machined cube



Dim. A=200 / B=500 /
E= 80 H=650

Cod. 8.57.G00105

Art. 600 Tipo di morsa
Vise type



Art.600 Type 2x600
€ 1.811

Cod. 6.60.02600

Numero morsa x 4
Vises number

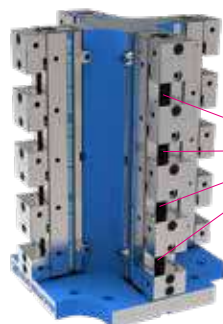
Montaggio ed allineamento (standard) (Standard) Assembly and alignment



Cod. MAN-070-FMS

Montaggio di una o più morsa 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

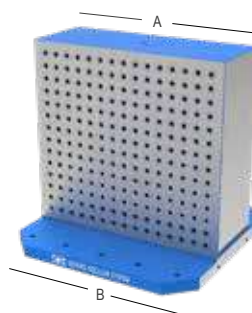


TABULATO controllo DEA - MAN-100-FMS
PRINTOUT DEA control - MAN-100-FMS

PREDISPOSIZIONE e MONTAGGIO MORSE su SPALLA a RETICOLO

TOMBSTONES SET-UP and VISES MOUNTING on 2 SIDES GRID TOMBSTONE

Art. 55F Spalla a reticolo
2 sides grid tombstone



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

Cod. 8.55.F00191

Art. 600 Tipo di morsa
Vise type



Art.600 Type 2x700
€ 1.940

Cod. 6.60.02700

Numero morsa x 10
Vises number

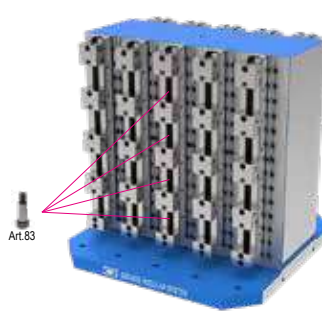
Montaggio ed allineamento (standard) (Standard) Assembly and alignment



Cod. MAN-070-FMS

Montaggio di una o più morsa 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.

Spalla con morsa
2 sides tombstone with vises



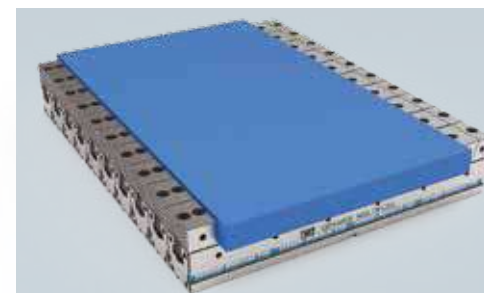
TABULATO controllo DEA - MAN-100-FMS
PRINTOUT DEA control - MAN-100-FMS

Soluzioni personalizzate / Customized solutions

MULTIFLEX

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems



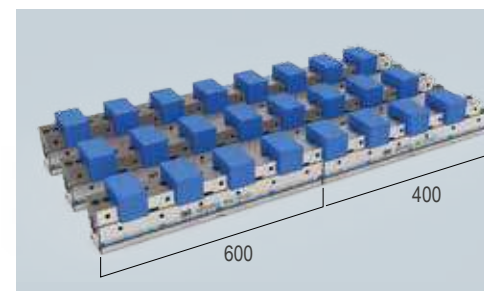
Montaggio in parallelo
Parallel mounting

n° 10 morsa Multiflex montate in parallelo per il serraggio di un pezzo di grosse dimensioni
10 Multiflex vises parallel mounting for clamping a big size workpiece



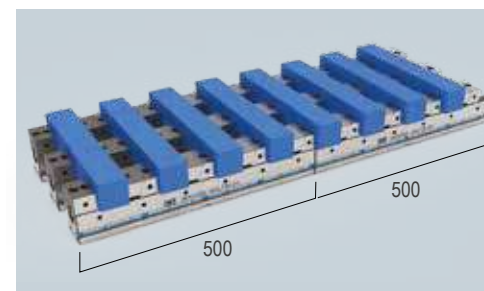
Montaggio in parallelo
Parallel mounting

n° 10 morsa Multiflex montate in parallelo per il serraggio di 4 pezzi di grosse dimensioni
10 Multiflex vises parallel mounting for clamping a 4 big size workpieces



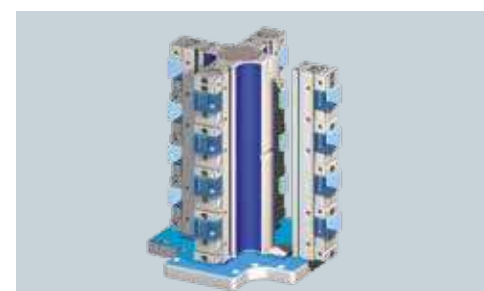
Montaggio in linea
In line mounting

n° 6 morsa Multiflex montate in linea per il serraggio di 24 piccoli pezzi
6 Multiflex vises in line mounting for clamping a 24 small workpieces



Montaggio in linea
In line mounting

n° 6 morsa Multiflex montate in linea per il serraggio di 8 pezzi di grosse dimensioni
6 Multiflex vises in line mounting for clamping a 8 big size workpieces



Cubo Morsa
Tombstone + vises
Cubo a croce Art.57G con vari tipi di morsa Gerardi montate verticalmente
Crosscube Art.57G with various Gerardi vises vertically assembled

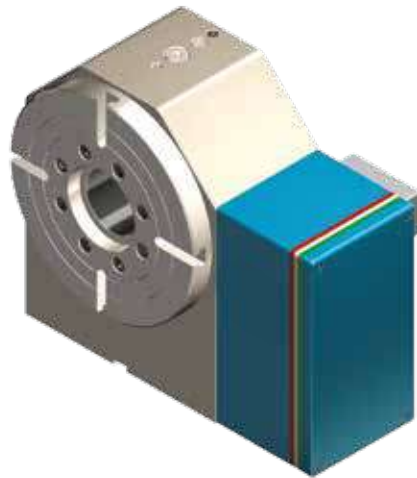
DIVISORE AUTOMATICO DPG 250

AUTOMATIC DIVIDING HEAD DPG 250

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DPG 250



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

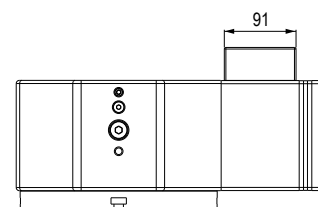
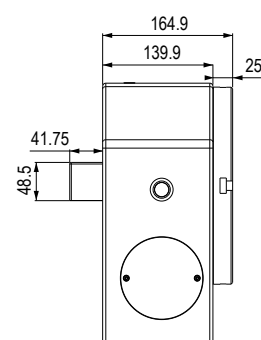
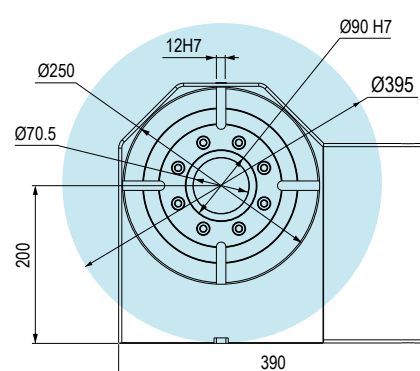
EASY AND INTUITIVE TOUCH SCREEN
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

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

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

Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Clearance hole diameter		70,5 mm
Altezza punte Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		IIdraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
Motore Servo motor		3000 Max.g/min
Minimo incremento Minimum increment		0,002
Velocità di rotazione Rotation speed		33,3 Giri/min
Rapporti vite/corona Speed reduction ratio (screw/gear)		1/90
Rapporti vite/motore Speed reduction ratio (screw/motor)		1/180
Precisione Indexing accuracy		±10 Sec.
Ripetibilità Repeatability		4 Sec.
Max. carico di lavoro sul divisore Max. allowable work weight on the dividing head	Verticale Vertical	Kg.550
	Orizzontale Horizontal	Kg.1500
		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m²
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DP.G2500

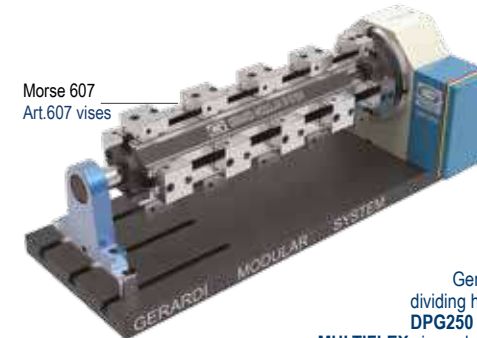
DPG 250



Tipo (grandezza) / Type (size)

Divisore Gerardi **DPG250**
con cubo-morsa **MULTIFLEX**
per il serraggio di particolari di tutte
le forme e dimensioni.

Morse 607
Art.607 vises



Gerardi
dividing head
DPG250 with
MULTIFLEX vise-cube for
clamping workpieces of all
shapes and sizes.

	1					2			
C ⁻⁰ _{-0,02}	100					150			
D	300	400	500	600	700	400	500	600	700
G ⁻⁰ _{-0,02}	50					75			
Ø I ^{H7}	25					50			
L ⁻⁰ _{-0,02}	20					20			
Cod.	6.DP.G25000	6.DP.G25010	6.DP.G25020	6.DP.G25030	6.DP.G25040	6.DP.G25050	6.DP.G25060	6.DP.G25070	6.DP.G25080

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
In case you already have a diver, 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. 6.99.B1000 6.99.B2000

Art. 99H

Distanziale per supporto
Spacer support

Cod. 6.99.H1000

Art. 62K

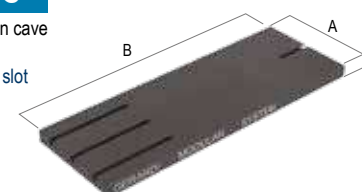
DPG 250

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

Cod. 6.62.K603A8 6.62.K603A9

Art. 99S

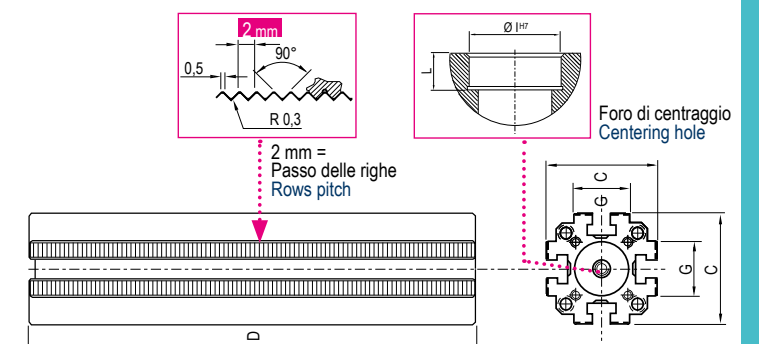
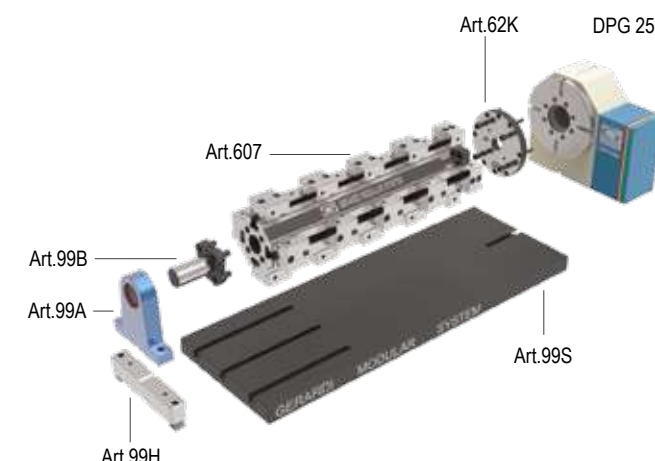
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground



Dimensioni B mm Dimension B mm	A	C	Kg	Cod.
600	400	50	94	7.99.S060S
800	400	50	125	7.99.S080S
1000	400	50	156	7.99.S100S

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



DIVISORE MECCANICO DIVIGER 205

MECHANICAL DIVIDING HEAD DIVIGER 205

Divisore automatico
Automatic dividing head

Dati tecnici
Technical Data

DIVIGER 205



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



DIVISORE MECCANICO, SENZA CAVI O IDRAULICA,
PERMACCHINE A CNC

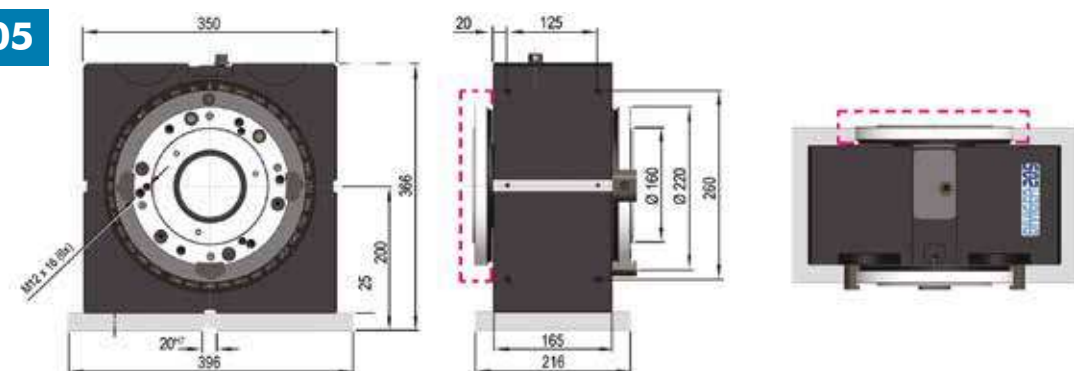
MECHANICAL DIVIDING HEAD, WITHOUT ELECTRICAL CABLES
OR HYDRAULIC, FOR CNC MILLING MACHINE

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

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



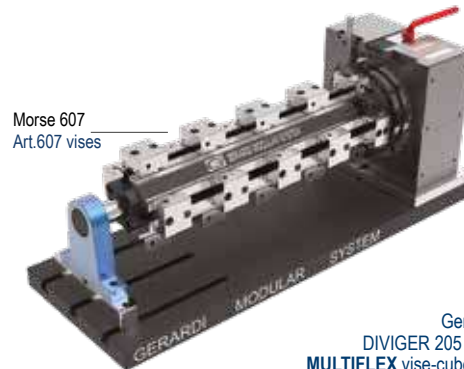
DIVIGER 205



Tipo (grandezza) / Type (size)

Divisore Gerardi **DIVIGER 205**
con cubo-morsa **MULTIFLEX**
per il serraggio di particolari di tutte
le forme e dimensioni.

Morse 607
Art.607 vises



Gerardi
DIVIGER 205 with
MULTIFLEX vise-cube for
clamping workpieces of all
shapes and sizes.

	1					2			
C ⁻⁰ / _{-0,02}	100					150			
D	300	400	500	600	700	400	500	600	700
G ⁻⁰ / _{-0,02}	50					75			
Ø I ^{H7}	25					50			
L ⁻⁰ / _{-0,02}	20					20			
Cod.	6.DI.V20500	6.DI.V20510	6.DI.V20520	6.DI.V20530	6.DI.V20540	6.DI.V20550	6.DI.V20560	6.DI.V20570	6.DI.V20580

Nel caso si disponga di un proprio divisore, il prezzo dell'attrezzatura potrebbe subire variazioni
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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. 6.99.B1000 6.99.B2000

Art. 99H

Distanziale per supporto
Spacer support



Cod. 6.99.H1000

Art. 62K

DIVIGER 205

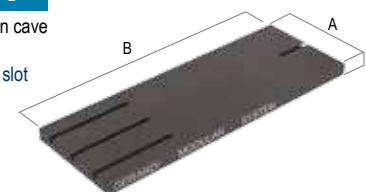
Piastra di interfaccia per cubo MULTIFLEX
completa di sistema d'allineamento
Connecting plate with alignment system for MULTIFLEX



Cod. 6.62.K603A8 6.62.K603A9

Art. 99S

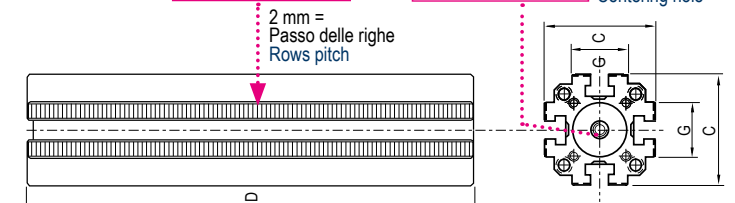
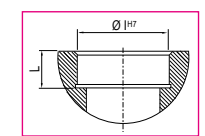
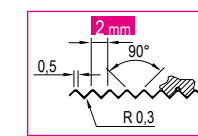
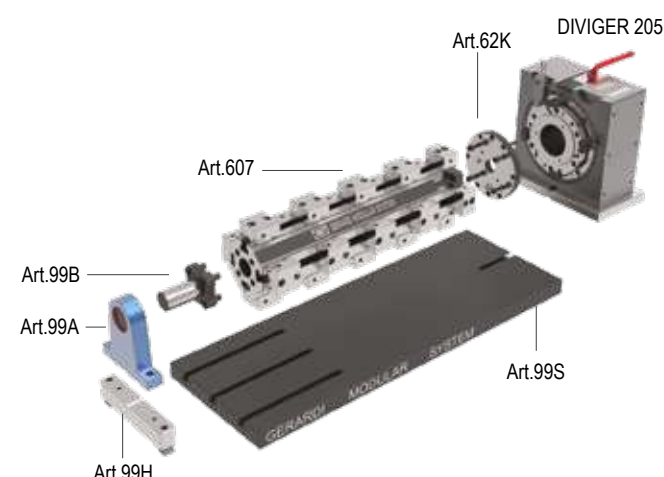
Piastra base con cave
Piani rettificati
Base plate with slot
Faces ground



Dimensioni B mm Dimension B mm	A	C	Kg	Cod.
600	400	50	94	7.99.S060S
800	400	50	125	7.99.S080S
1000	400	50	156	7.99.S100S

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



ISTRUZIONI PER UN CORRETTO UTILIZZO

ISTRUCTIONS FOR A PROPER USE



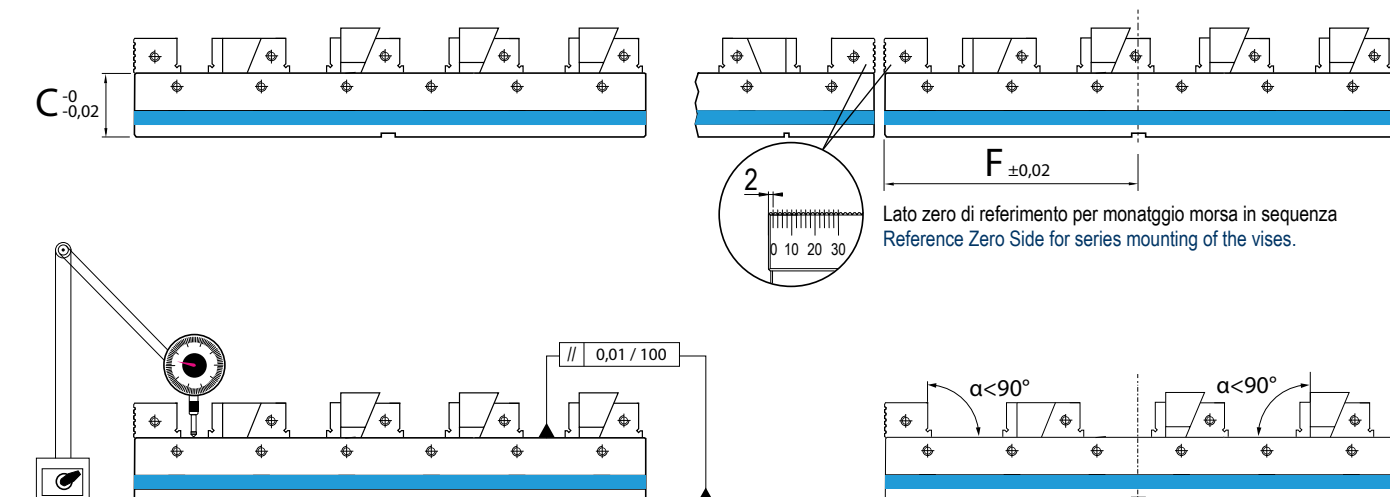
Libretto Istruzioni / Instruction Book

Scansiona il QR code e scarica
le istruzioni complete

Scan the QR code to download
the complete instructions

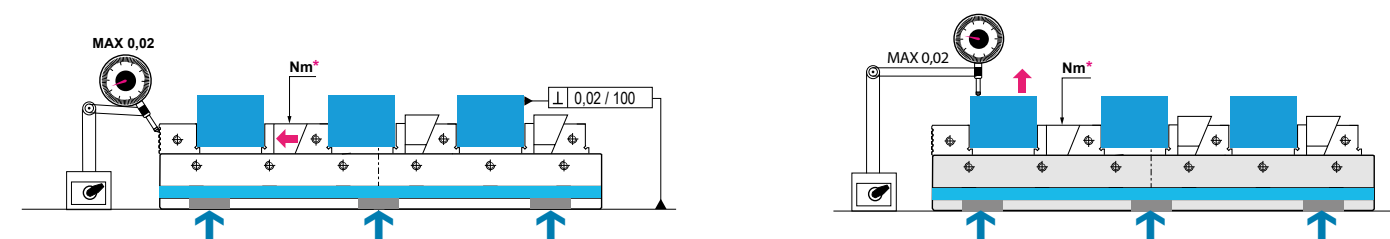
TOLLERANZE GEOMETRICHE

GEOMETRIC ACCURACIES



TOLLERANZE DINAMICHE

DINAMIC ACCURACIES



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

Art 600 - 606 - 611		* Momento applicato - Torque Nm			Forza di serraggio - Clamping power KN			
		Ganascia fissa e Cuneo di posizionamento <i>Fixed jaw and positioning Wedge</i>	Cuneo di spinta - <i>Clamping movable Jaw</i>			Cuneo di spinta - <i>Clamping movable Jaw</i>		
			Morsa - <i>Vise</i> Art. 600	Morsa - <i>Vise</i> Art. 606	Morsa - <i>Vise</i> Art. 611	Morsa - <i>Vise</i> Art. 600	Morsa - <i>Vise</i> Art. 606	Morsa - <i>Vise</i> Art. 611
Ganascia Tipo 1	<i>Jaw Type 1</i>	40		30			20	
Ganascia Tipo 2	<i>Jaw Type 2</i>	120		50			30	
Ganascia tipo 3	<i>Jaw Type 3</i>	250		80			40	

1 kgf . m = 9.806 Nm