

# MULTIFLEX MORSE & CUBI - VISES & VISE TOWERS



**INDICE - INDEX**

Art.	Page 6.
57F	40
57G	40
62	28 - 43 - 45
81	36
99A	43 - 45
99B	43 - 45
99H	43 - 45
99S	43 - 45
600	6 - 12
600S	6 - 12
600W	6 - 12
601	28
602	22
602S	22
602W	22
603	29
604	12 - 22 - 30 - 33
604A	33
604B	33 - 36
604C	33
604G	16 - 17 - 26 - 30
604PC	37
604R	37
604T	30
605	12 - 13 - 22 - 23 - 31
605A	33
605AS	33
605B	33 - 34
605BT	34
605BS	33
605C	33 - 36
605D	33 - 36
605E	33
605F	33
605G1	33
605G2	33

Art.	Page 6.
605G3	33
605G3	33
605H	33
605I	33
605L	12 - 22 - 33
605M	33
605S	12 - 13 - 22 - 23 - 31
605W	31
606	6 - 14
606T	6 - 14
607	24 - 25
607T	24 - 25
608	30
608A	35
608R	37
609	14 - 15 - 24 - 31
609A	34
609AT	34
609B	34
609BT	24 - 34
609T	14 - 15 - 24 - 31
610B	14 - 16 - 24 - 26 - 34
610C	14 - 16 - 24 - 26 - 34
610D	14 - 16 - 24 - 26 - 34
610E	14 - 16 - 24 - 26 - 34
610F	14 - 16 - 24 - 26 - 34
610T	34
610Z	34
611	6 - 16
612	26 - 27
613	16 - 17 - 26 - 32
613A	35
613B	35
613C	35
613B	35
613C	35

Art.	Page 6.
613D	35
613E	35
613F	35
614T	30
615	12 - 22 - 32
615A	35
615AS	35
615C	35
615E	35
615I	35
615L	35
615W	32
616	37
617	37
618	37
632	8 - 18
632S	8 - 18
632W	8 - 18
633	10 - 20
633S	10 - 20
633W	10 - 20
652	8 - 18
652T	18
653	10 - 20
653T	10 - 20
692	8 - 18
693	10 - 20
DIVIGER	44
DPG250	42
723A	38 - 39
723B	38 - 39
723C	38 - 39

# VALIGETTA DI CAMPIONATURA STD (Art.600)

## SAMPLE KIT CASE STD (Art.600)

**NEW!**

**Art. 984**

 Valigetta di campionatura morsa Art.600 T.1x400  
 Sample kit case Art.600 T.1x400 vise

Cod. 0.98.40000

**All'Interno - Inside:**

	Art.604		Art.610B		Art.297
	Art.605		Art.610C		Art.298
	Art.609		Art.610D		Art.370
	Art.613		Art.610E		Art.375
	Art.615		Art.610F		Art.376
	Art.605L		Art.610T	-	-



## SIMBOLOGIA DATI TECNICI

## TECHNICAL DATA ICONS

GANASCE JAWS			Ganascia fissa Fixed jaw		Ganascia mobile e fissa Fixed and movable jaws		Ganascia mobile e fissa a gradino Fixed and movable jaw with step		Ganascia mobile doppia Double movable jaw
PIASTRE GANASCE JAW PLATES							Piana Straight		GRIP GRIP
POSSIBILITÀ DI POSSIBILITY OF			Posizionamento & cambio rapido Quick change & positioning		Cubi-morsa Vise tower		Divisore automatico Dividing head		Divisore Meccanico Mechanical dividing head
PAGINE PAGES					Accessori & Ricambi Accessories & Spare Parts		Istruzioni corretto utilizzo Instruction for a proper use		Diagrammi forze di serraggio Clamping force diagrams

# MORSE e CUBI-MORSE serie MULTIFLEX

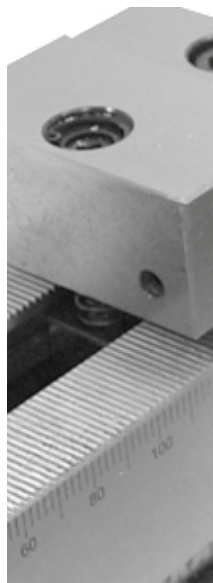
## MULTIFLEX series VISES and VISE-TOWERS

**MULTIFLEX: LE PIÙ VERSATILI ! Per serraggi multipli fino a 19 pezzi anche di dimensioni differenti**  
**SERIES MULTIFLEX: THE MOST VERSATILE VISE ! For flexible clamping of multiple workpieces of various sizes**

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.



### USURA INESISTENTE

Grazie all'accurata scelta dei materiali impiegati ed allo studio dimensionale computerizzato dei componenti. **Costruzione completamente in speciali leghe di acciaio** ad alta resistenza, normalizzato, cementato e temprato con **durezza 60 ±2 HRC**. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo **5 ANNI DI GARANZIA** su tutto il programma morse e organi meccanici in genere.

### NO WEAR

Thanks to the manufacturing with only the most suitable materials and to the structure of the vise components (developed using computer customised softwares and the experience gained during many years spent working on the specific field). **High alloyed quality resistance steel, case hardened HRC 60 ±2**, is used in manufacturing all the Gerardi vises and accessories in order to give maximum rigidity, high performances and no wear. As evidence we give **5 YEARS WARRANTY** on all the vises and mechanical components.

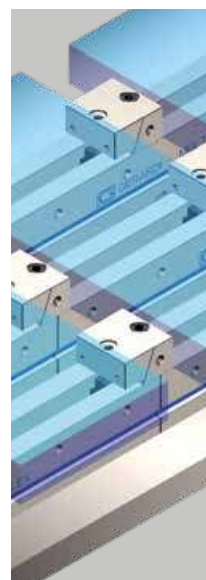


### TEMPI MINIMI DI SET UP E DI SERRAGGIO PEZZO

Posizionamenti ed ancoraggi delle ganasce sul corpo base di rapida esecuzione ed in prossimità del particolare da lavorare.

### MINIMUM OF SET UP AND CLAMPING TIMES

Quick and versatile jaws positioning very close to the workpiece.



### GAMMA ILLIMITATA DI SERRAGGI

(Ganasce a gradino, zigrinate, lisce, per tondi, dolci, doppie, ecc.)

La posizione, il numero o il tipo di ganasce può variare a seconda delle necessità di serraggio (possibilità di bloccare da 1 a 19 pezzi sulla stessa morsa)

### UNLIMITED CLAMPING RANGE

(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)

### 1 GARANZIA DI MASSIMA PRECISIONE

Di posizionamento ed allineamento delle ganasce grazie alla rettificatura dal pieno della dentatura di ancoraggio della base.

### 1 HIGHEST ACCURACY

In positioning and alignment ( $\pm 0,02$  mm) thanks to the ground rack teeth on both the base and the fixed jaws.

### 3 CUNEO DI SPINTA

Tramite rigatura a pettine per un miglior serraggio.

### 3 CLAMPING WEDGE

Best clamping thanks to the comb system

### 4 PREDISPOSIZIONE VERTICALE

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.

### 4 VERTICAL SET UP

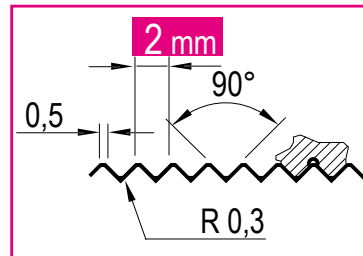
Through spacers, tombstones or vise-towers. MULTIFLEX vises can be vertically assembled linked each other or clamped to specific workholding structures.

### 2 VERSATILITA'

Possibilità di allineamento ed accoppiamento di ganasce e più morse su qualsiasi posizione della dentatura della base.

### 2 VERSATILITY

Possibility of vises matching and jaws alignment on whatever positioning on the vise base.



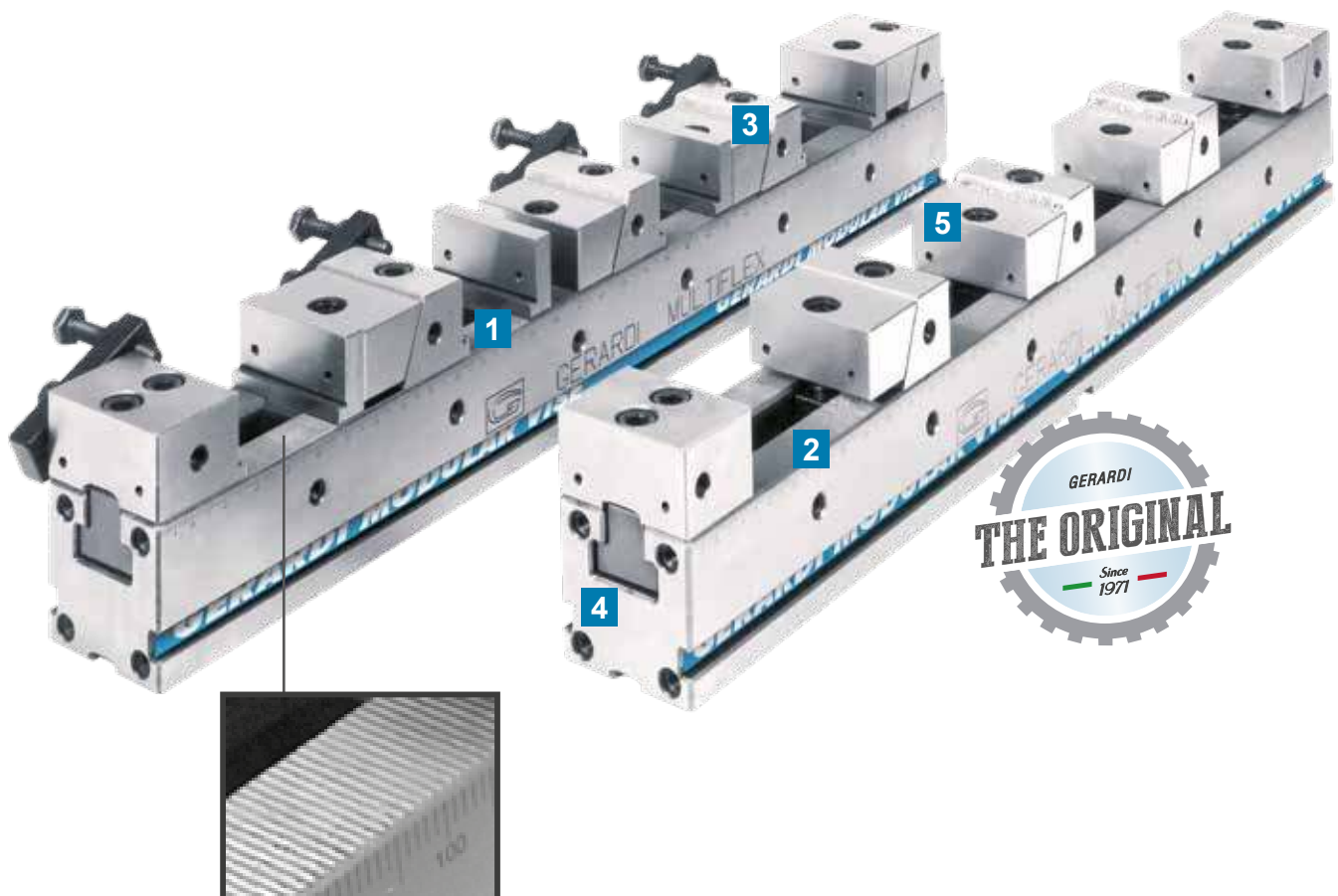
2 mm = Passo delle righe  
Rows pitch

### 5 AZIONE DISCENDENTE

Azione discendente del serraggio, grazie all' accoppiamento guidato con sistema a pettine di righe rettificate di ganascia fissa e di ganascia mobile.

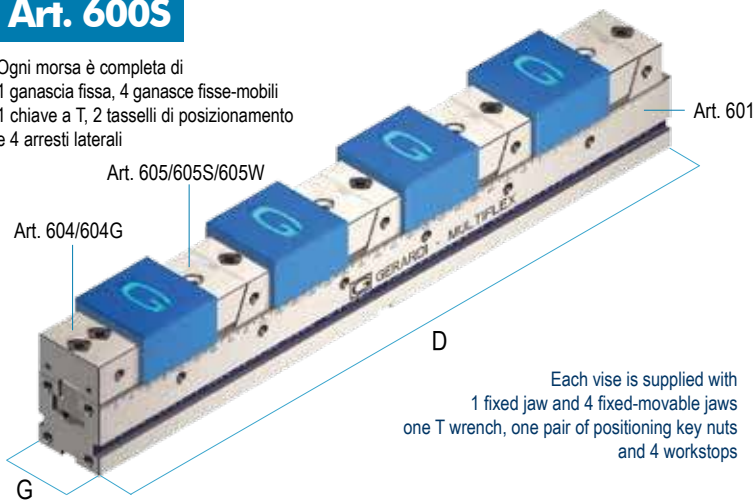
### 5 PULL DOWN JAW ACTION

Clamping accuracy and guided pull down jaw action thanks to the ground comb-teeth even between the fixed and movable jaws



**GUIDA RAPIDA PER LA SCELTA DELLA MORSA MULTIFLEX PIÙ ADATTA ALLE VOSTRE ESIGENZE**
**Tipo (grandezza) morsa / Vise type (size)**
**Art. 600**
**Art. 600W**
**NEW!**
**Art. 600S**

Ogni morsa è completa di  
 1 ganascia fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali



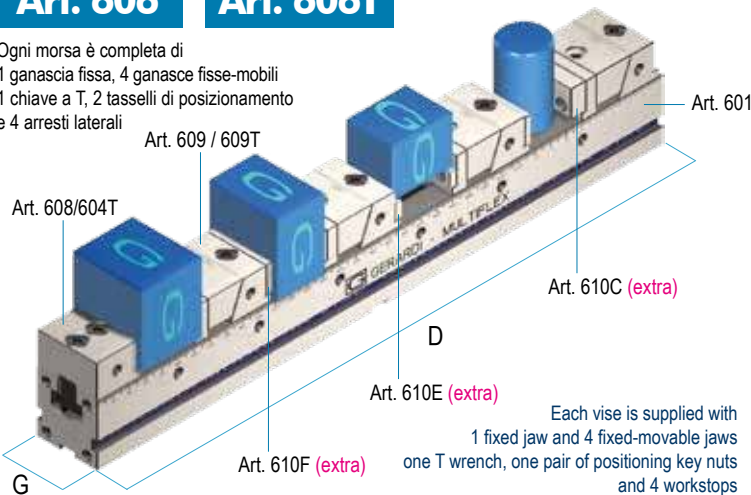
Each vise is supplied with  
 1 fixed jaw and 4 fixed-movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

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

kN	1		
	20 kN		
D	300	400	500
$G_{-0,02}^0$	50	50	50
1 pezzo / piece	205	305	408
2 pezzi / pieces	75	125	175
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

**Art. 606**
**Art. 606T**

Ogni morsa è completa di  
 1 ganascia fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali



Each vise is supplied with  
 1 fixed jaw and 4 fixed-movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

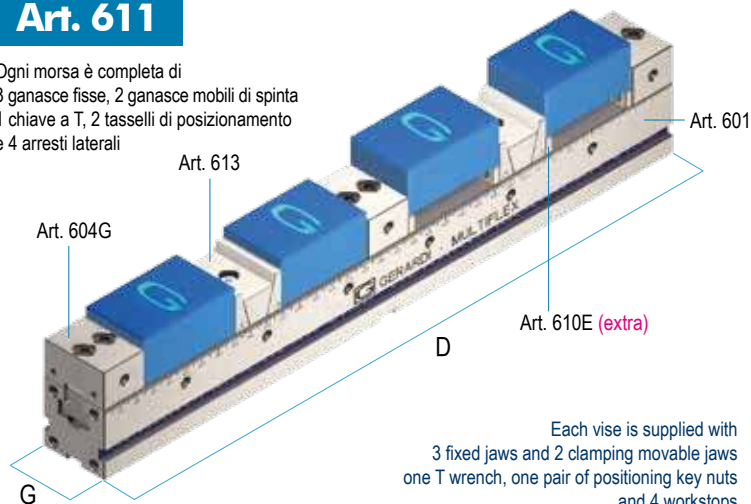
Apertura max in relazione al numero dei particolari  
 Max opening according to workpieces to be clamped

D	300 *	400	500
$G_{-0,02}^0$	50	50	50
1 pezzo / piece	193	293	393
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

\* Solo tipo 1 x 300 e 2 x 400 n. 3 ganasce fisse-mobili in dotazione  
 Only type 1 x 300 and 2 x 400 n. 3 fixed-movable jaws included

**Art. 611**

Ogni morsa è completa di  
 3 ganasce fisse, 2 ganasce mobili di spinta  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali



Each vise is supplied with  
 3 fixed jaws and 2 clamping movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

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

D	300	400	500
$G_{-0,02}^0$	50	50	50
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 YOUR SPECIFIC APPLICATION**

1 20 kN		2 30 kN						3 40 kN			
600	700	400	500	600	700	800	900	700	800	900	1000
50	50	75	75	75	75	75	75	100	100	100	100
508	608	275	375	475	575	675	755	532	632	732	832
225	275	100	150	200	250	300	350	217	267	317	367
129	161	41	75	108	141	175	280	112	145	178	211
83	108	12	37	62	87	112	137,5	59	84	109	134
55	75	-	15	35	55	75	95	28	48	68	88
36	52	-	-	16	33	50	66,5	7	23	39	55
22	36	-	-	3	17	32	46	-	6	2	34
12	24	-	-	-	6	18	31	-	-	5	18
5	16	-	-	-	-	8	19	-	-	-	5
-	8	-	-	-	-	-	10	-	-	-	-
-	2	-	-	-	-	-	2	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
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
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
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

600	700	400 *	500	600	700	800	900	700	800	900	1000
50	50	75	75	75	75	75	75	100	100	100	100
493	593	262	362	462	562	662	762	512	612	712	812
213	263	87	137	187	237	287	337	197	247	294	347
119	152	28	62	95	128	162	195	92	125	158	191
73	97	-	24	49	74	99	124,5	39	64	89	114
45	64	-	2	22	42	62	82	8	28	48	68
26	42	-	-	3	20	37	53,5	-	3	20	37
13	26	-	-	-	4	19	33	-	-	-	14
-	14	-	-	-	-	5	18	-	-	-	-
-	5	-	-	-	-	-	6	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
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
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

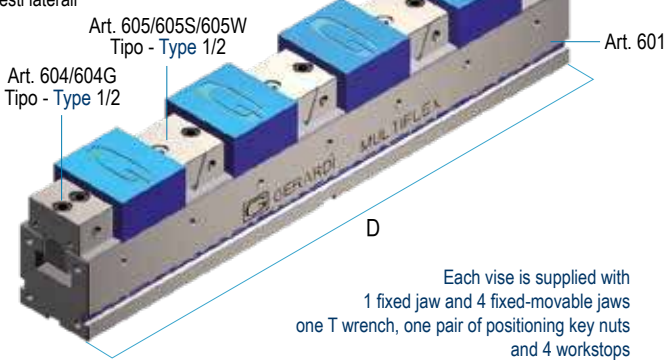
  

600	700	400	500	600	700	800	900	700	800	900	1000
50	50	75	75	75	75	75	75	100	100	100	100
474	574	242	342	442	542	642	792	470	570	670	770
237	287	121	171	221	271	321	371	235	285	335	285
128	162	45	78	112	145	178	228	103	136	169	202
96	121	34	59	84	109	134	158,5	77	102	127	152
59	79	5	25	45	65	85	115	30	50	70	90
49	66	-	21	38	54	71	87,5	25	41	57	73
30	44	-	3	17	31	46	66,5	-	12	26	40
26	38	-	-	15	27	40	52	-	11	23	35
13	24	-	-	1	12	23	40	-	-	3	14
12	22	-	-	-	11	21	31	-	-	-	-
3	12	-	-	-	-	10	22,5	-	-	-	-
2	11	-	-	-	-	9	16,5	-	-	-	-
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 PIÙ ADATTA ALLE VOSTRE ESIGENZE**
**GANASCIA Tipo 1 (49mm) su BASE Tipo 2 / JAW Type 1 (49mm) on BASE Type 2**

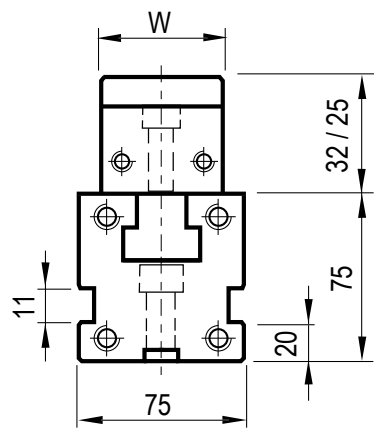
**Art. 632**   **Art. 632W** *NEW!*  
**Art. 632S**

Ogni morsa è completa di  
 1 ganascia fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali



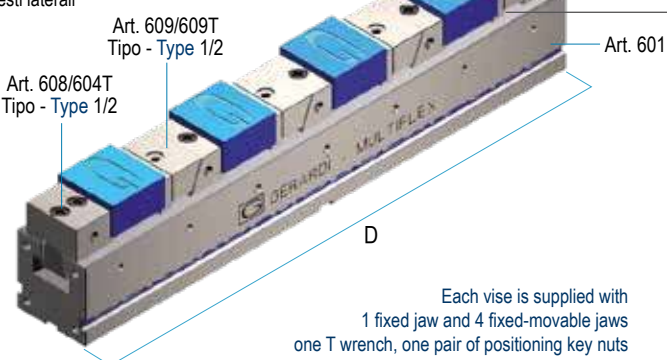
Each vise is supplied with  
 1 fixed jaw and 4 fixed-movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

**Ganascia tipo 1 - Jaw type 1**  
**Base tipo 2 - Base type 2**



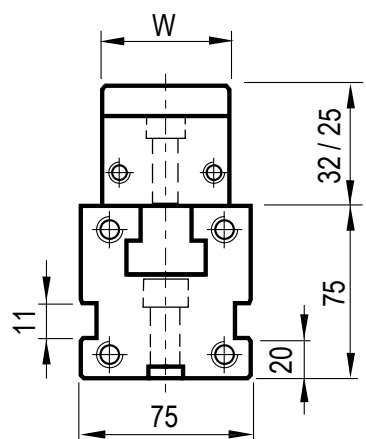
**Art. 652**   **Art. 652T** *NEW!*

Ogni morsa è completa di  
 1 ganascia fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali



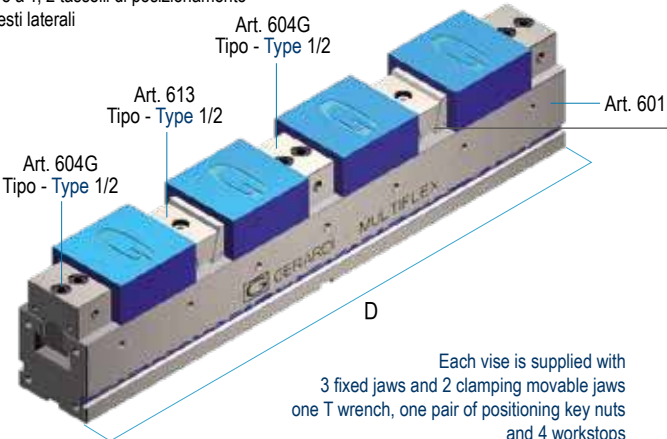
Each vise is supplied with  
 1 fixed jaw and 4 fixed-movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

**Ganascia tipo 1 - Jaw type 1**  
**Base tipo 2 - Base type 2**



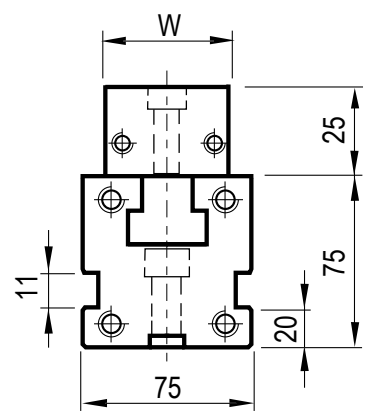
**Art. 692**

Ogni morsa è completa di  
 3 ganasce fisse, 2 ganasce mobili di spinta  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali



Each vise is supplied with  
 3 fixed jaws and 2 clamping movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

**Ganascia tipo 1 - Jaw type 1**  
**Base tipo 2 - Base type 2**



6



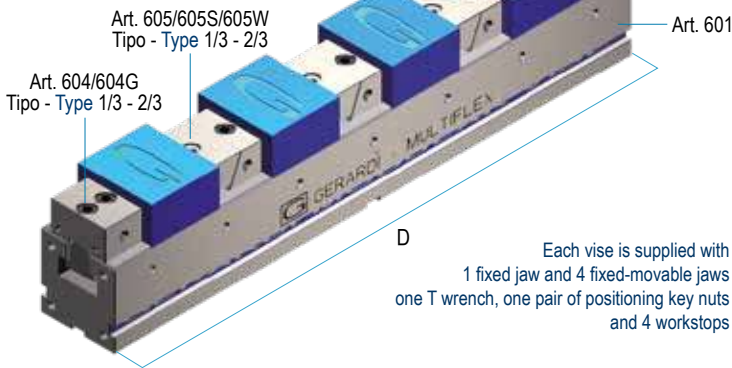
**QUICK GUIDE FOR THE PROPER MULTIFLEX VISE CHOICE ACCORDING YOUR SPECIFIC APPLICATION**
**GANASCIA Tipo 1 - / JAW Type 1**

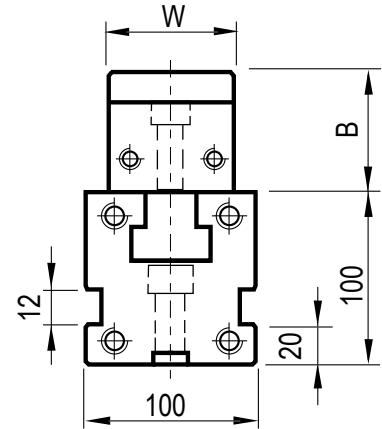
	20 kN						
	D	400	500	600	700	800	900
W		49					
1 pezzo / piece		304	404	504	604	704	804
2 pezzi / pieces		123	173	223	273	323	373
3 pezzi / pieces		62,7	96	129,3	162,7	196	229,3
4 pezzi / pieces		32,5	57,5	82,5	107,5	132,5	157,5
5 pezzi / pieces		14,4	34,4	54,4	74,4	94,4	114,4
6 pezzi / pieces		2,3	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

	20 kN						
	D	400	500	600	700	800	900
W		49					
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

	20 kN						
	D	400	500	600	700	800	900
W		49					
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

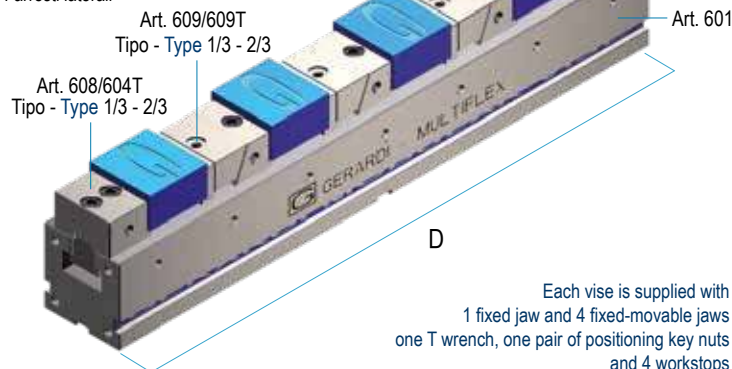
**GUIDA RAPIDA PER LA SCELTA DELLA MORSA MULTIFLEX PIÙ ADATTA ALLE VOSTRE ESIGENZE**
**GANASCIA Tipo 1 o Tipo 2 (49 o 74mm) su BASE Tipo 3 / JAW Type 1 or Type 2 (49 o 74mm) on BASE Type 3**
**Art. 633**
**Art. 633W**
**NEW!**
**Art. 633S**

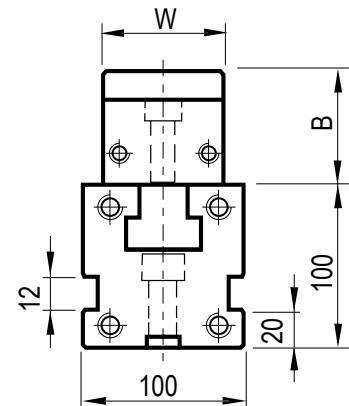
 Ogni morsa è completa di  
 1 ganascia fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali

 Each vise is supplied with  
 1 fixed jaw and 4 fixed-movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

**Ganascia tipo 1 o 2 - Base tipo 3**
**Jaw type 1 or 2 - Base type 3**


Vedi quota B pag. 6.12 - For dimension B see page 6.12

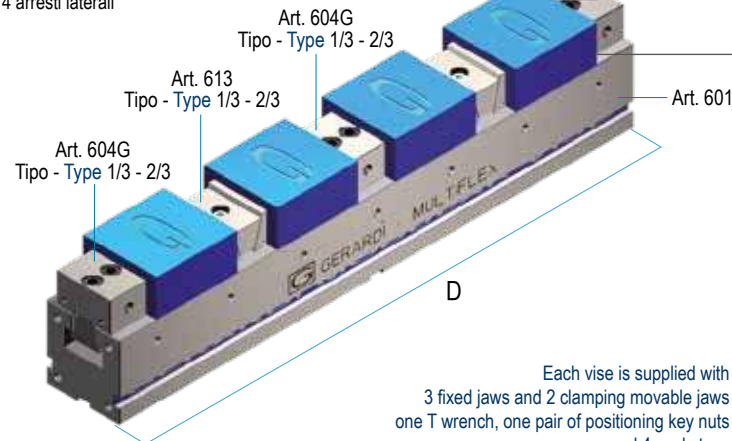
**Art. 653**
**Art. 653T**
**NEW!**

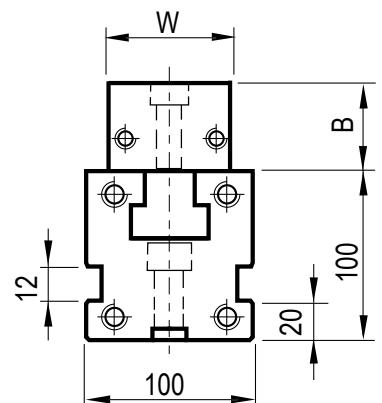
 Ogni morsa è completa di  
 1 ganascia fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali

 Each vise is supplied with  
 1 fixed jaw and 4 fixed-movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

**Ganascia tipo 1 o 2 - Base tipo 3**
**Jaw type 1 or 2 - Base type 3**


Vedi quota B pag. 6.14 - For dimension B see page 6.14

**Art. 693**

 Ogni morsa è completa di  
 3 ganasce fisse, 2 ganasce mobili di spinta  
 1 chiave a T, 2 tasselli di posizionamento  
 e 4 arresti laterali

 Each vise is supplied with  
 3 fixed jaws and 2 clamping movable jaws  
 one T wrench, one pair of positioning key nuts  
 and 4 workstops

**Ganascia tipo 1 o 2 - Base tipo 3**
**Jaw type 1 or 2 - Base type 3**


Vedi quota B pag. 6.12 - For dimension B see page 6.12

**QUICK GUIDE FOR THE PROPER MULTIFLEX VISE CHOICE ACCORDING 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

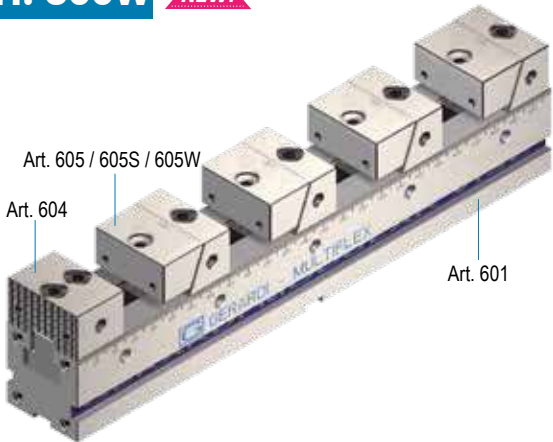
kN	GANASCIA Tipo 1 - / JAW Type 1				GANASCIA Tipo 2 - / JAW Type 2			
	20 kN				30 kN			
D	700	800	900	1000	700	800	900	1000
W	49				74			
1 pezzo / piece	577	677	777	877	545	645	745	845
2 pezzi / pieces	288,5	338,5	388,5	438,5	272	322,5	372,5	422,5
3 pezzi / pieces	164	197,3	230,7	264	146,7	180	213	246,7
4 pezzi / pieces	123	148	123	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. 600**

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

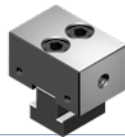
**Art. 600S**

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

**Art. 600W** **NEW!**


kN	1				
	20 kN				
A	4 x 8mm	4 x 33	4 x 58	4 x 83	4 x 108
B	32 / 25				
C <sup>0</sup> / <sub>-0,02</sub>	50				
D	300	400	500	600	700
G <sup>0</sup> / <sub>-0,02</sub>	50				
J	38				
J1	55 / 58				
I	10				
L	15				
Z	100				
W	49				
Ø P	9				
Q	100	100	300	300	400
Ø F7	10				
kg	7,2	8,7	10,1	11,6	13
Cod. Art. 600	6.60.01300	6.60.01400	6.60.01500	6.60.01600	6.60.01700
Cod. Art. 600S	6.60.0S130	6.60.0S140	6.60.0S150	6.60.0S160	6.60.0S170
Cod. Art. 600W	6.60.0W130	6.60.0W140	6.60.0W150	6.60.0W160	6.60.0W170

**PER PARTICOLARI IN APPOGGIO SULLA BASE**  
**FOR WORKPIECES CLAMPED DIRECTLY ON VISE BASE**
**AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !**
**Art. 604\***

 Ganasca fissa (1 lato liscia, 1 lato zigrinata)  
 Fixed jaw (1 side smooth, 1 side serrated)


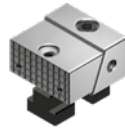
Cod. 6.60.41000

\* Arresto laterale a richiesta Workstop on request

**Art. 605\***

 Ganasca mobile e fissa liscia  
 Fixed and movable smooth jaws

**Art. 605S\***

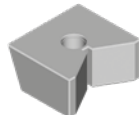
 Ganasca mobile e fissa zigrinata  
 Fixed and movable serrated jaws


Cod. Art.605 6.60.51000

Cod. Art.605S 6.60.5S100

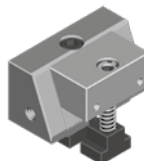
\* Arresto laterale a richiesta Workstop on request

**Art. 605L**

 Cuneo di spinta a "V"  
 "V" clamping wedge


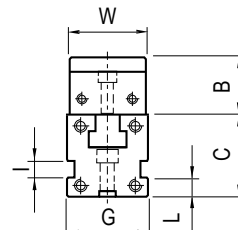
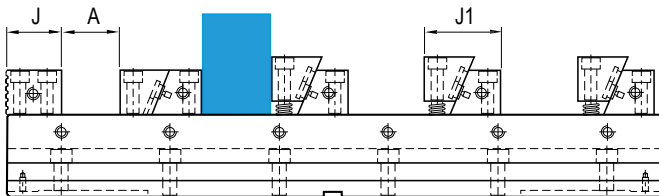
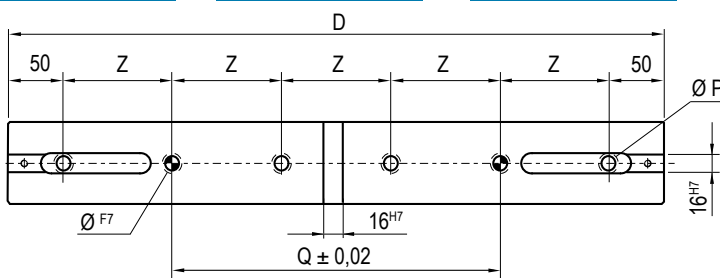
Cod. 6.60.5L100

**Art. 615\***

 Ganasca 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. 600**
**Art. 600S**
**Art. 600W**

 Ogni morsa è completa di 1 ganasca fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento e 4 arresti laterali  
 Each vise is supplied with 1 fixed jaw and 4 fixed-movable jaws  
 1 T wrench, one pair of positioning key nuts and 4 workstops

Ø = Sede viti calibrate / Hole for shoulder screw

<b>Art.81</b>	Tipo - Type 1	Ø10h7 x 20
<b>Art.81</b>	Tipo - Type 2	Ø16h7 x 35
<b>Art.81</b>	Tipo - Type 3	Ø16h7 x 45

Vedi pag. 6.36 - Vedi page 6.36

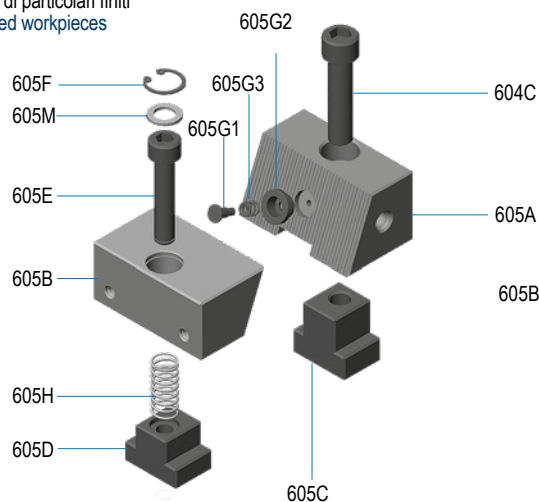
Art. 600	Art. 600S	Pag.
n° 1 Art. 601		6.28
n° 1 Art. 604		6.30
n° 4 Art. 605	n° 4 Art. 605S	6.31

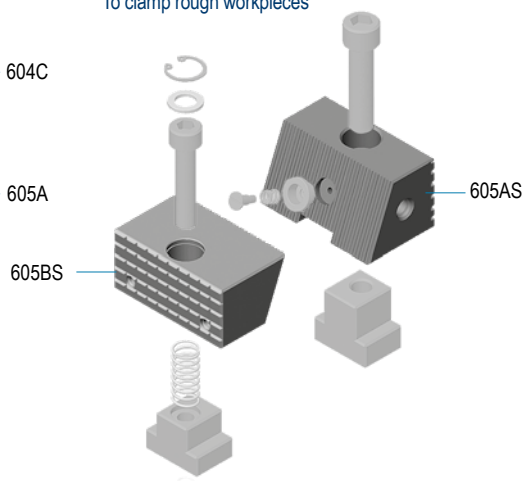
	2 30 kN						3 40 kN			
	4 x 12mm	4 x 37	4 x 62	4 x 87	4 x 112	4x137	4 x 59	4 x 84	4 x 109	4 x 134
A										
B				40					60	
C <sup>-0</sup> <sub>-0,02</sub>				75					100	
D	400	500	600	700	800	900	700	800	900	1000
G <sup>-0</sup> <sub>-0,02</sub>				75					100	
J				50					70	
J1				70 / 75					94,5 / 98,5	
I				11					12	
L				20					20	
Z				100					100	
W				74					99	
P				13					17	
Q	300	200	300	400	500	400	400	500	400	500
Ø F7	16						16			
kg	22,45	25,95	29,45	32,95	36,4	39,9	65,1	70,6	77,6	83,3
Cod. Art. 600	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. 600S	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. 600W	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

**UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !**

Cod.	6.60.42000	6.60.43000
Cod. Art.605	6.60.52000	6.60.53000
Cod. Art.605S	6.60.5S200	6.60.5S300
Cod.	6.60.5L200	6.60.5L300
Cod.	6.61.52000	6.61.53000

**Art. 605**
**GANASCIA LISCIA  
JAW PLATE**

 Per il serraggio di particolari finiti  
 To clamp finished workpieces

**Art. 605S**
**GANASCIA ZIGRINATA  
SERRATED JAW**

 Per il serraggio di particolari grezzi  
 To clamp rough workpieces


Art.	Pag.
605A	
605AS	
605B	
605BS	
604C	
605C	
605D	
605E	
605F	
605G1	
605G2	
605G3	
605H	
605M	

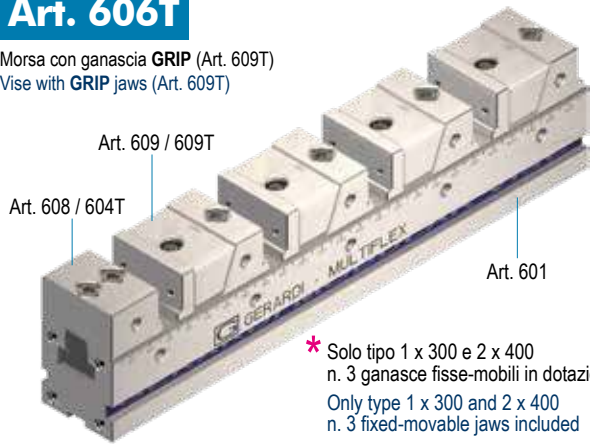
6.33

**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)



\* Solo tipo 1 x 300 e 2 x 400  
 n. 3 ganasce fisse-mobili in dotazione  
 Only type 1 x 300 and 2 x 400  
 n. 3 fixed-movable jaws included

**PER PARTICOLARI SOLLEVATI PER FORATURE PASSANTI**  
**RISED WORKPIECES FOR DRILL THROUGH HOLES**

kN	1				
	20 kN				
A	3 x 19mm *	4 x 23	4 x 48	4 x 73	4 x 97
B	32 / 25				
C $^{0}_{-0,02}$	50				
D	300	400	500	600	700
G $^{0}_{-0,02}$	50				
J	38				
J1	65 / 68				
J2	59 / 62				
I	10				
L	15				
Z	100				
W	49				
Ø P	9				
Q	100	100	300	300	400
Ø F7	10				
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

**AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !**
**Art. 609\***

 Ganascia fissa e mobile con gradino  
 Fixed and moving jaw with step


Cod. 6.60.91000

\* Arresto laterale a richiesta Workstop on request

**Art. 610B\***

Piastra ganascia dolce / 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\***

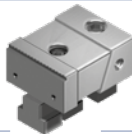
Piastra ganascia prismatica / Prismatic jaw plate



Cod. Art. 610F 6.61.0F100

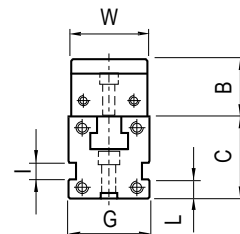
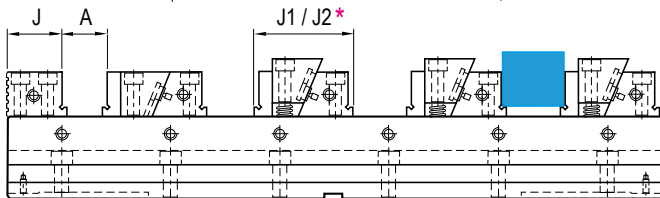
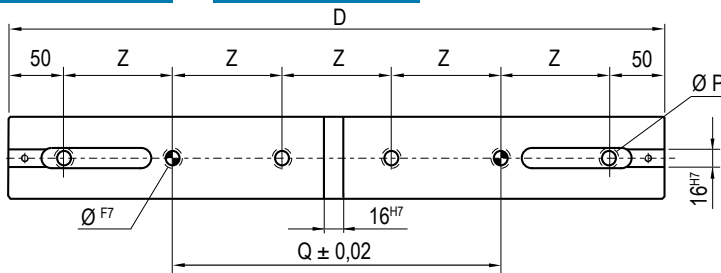
\* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.34 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.34

**Art. 609T\***

 Ganascia fissa e mobile  
 con piastra ganascia GRIP a forte serraggio  
 Fixed and moving jaw with GRIP jaw-plates  
 for strongest clamping


Cod. 6.60.9T100

\* Arresto laterale a richiesta Workstop on request

**Art. 606**
**Art. 606T**

 Ogni morsa è completa di 1 ganascia fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento e 4 arresti laterali  
 Each vise is supplied with 1 fixed jaw and 4 fixed-movable jaws  
 1 T wrench, one pair of positioning key nuts and 4 workstops

Ø = Sede viti calibrate / Hole for shoulder screw

<b>Art.81</b>	Tipo - Type 1	Ø10h7 x 20
<b>Art.81</b>	Tipo - Type 2	Ø16h7 x 35
<b>Art.81</b>	Tipo - Type 3	Ø16h7 x 45

Vedi pag. 6.36 - Vedi page 6.36

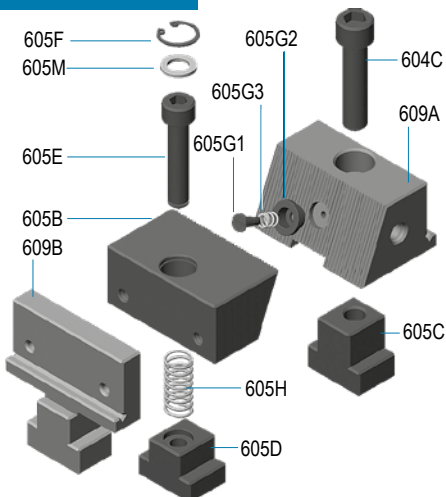
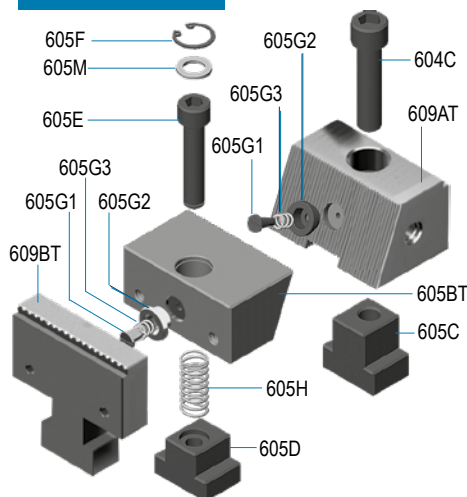
Art. 606	Art. 606T	Pag.
n° 1 Art. 601		6.28
n° 1 Art. 608 / 604T		6.30
n° 4 Art. 609	n° 4 Art. 609T	6.14

	2 30 kN						3 40 kN			
A	3 x 28mm*	4 x 24	4 x 49	4 x 74	4 x 99	4x124	4 x 44	4 x 69	4 x 94	4 x 119
B				40					60	
C <sup>-0</sup> <sub>-0,02</sub>				75					100	
D	400	500	600	700	800	900	700	800	900	1000
G <sup>-0</sup> <sub>-0,02</sub>				75					100	
J				50					70	
J1				83 / 88					113 / 119	
J2				77 / 82					103 / 107	
I				11					12	
L				20					20	
Z				100					100	
W				74					99	
P				13					17	
Q	300	200	300	400	500	400	400	500	400	500
Ø <sup>F7</sup>				16					16	
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

**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
Cod.	6.60.9T200	6.60.9T300

\* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.34 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.34

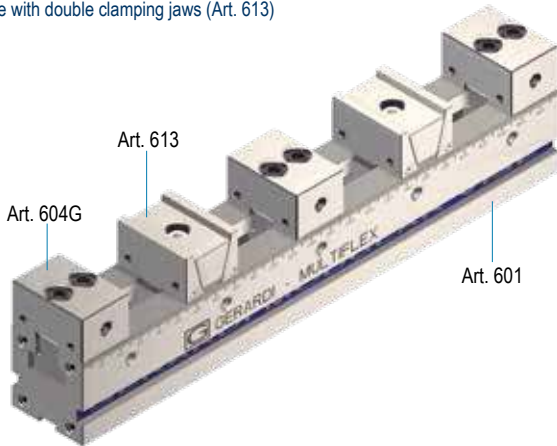
**Art. 609**

**Art. 609T**


Art.	Pag.	Art.	Pag.
604C		605H	6.33
605B	6.33	605M	6.33
605BT	6.34	609A	6.34
605C		609B	6.34
605D		609AT	6.34
605E		609BT	6.34
605F	6.33	-	-
605G1		-	-
605G2		-	-
605G3		-	-

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

\* Quota J2 valida esclusivamente 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)


kN	1				
	20 kN				
A	4 x 21mm	4 x 46	4 x 71	4 x 94	4 x 121
B	25				
C <sup>-0 -0,02</sup>	50				
D	300	400	500	600	700
G <sup>-0 -0,02</sup>	50				
J	38				
J1	44 / 50				
I	10				
L	15				
Z	100				
W	49				
Ø P	9				
Q	100	100	300	300	400
Ø F <sup>7</sup>	10				
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 E SOLLEVATI CON PARALLELE**  
**FOR WORKPIECES ON VISE BASE AND RISED UP WITH PARALLELS**
**AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !**
**Art. 604G**

 Ganasca 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 ganasca dolce / Soft jaw plate



Cod. Art. 610B 6.61.0B100

**Art. 610C**

Piastra ganasca liscia / Smooth jaw plate



Cod. Art. 610C 6.61.0C100

**Art. 610D**

Piastra ganasca zigrinata / Serrated jaw plate



Cod. Art. 610D 6.61.0D100

**Art. 610E**

Piastra ganasca parallela / Parallel jaw plate



Cod. Art. 610E 6.61.0E100

**Art. 610F**

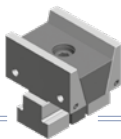
Piastra ganasca prismatica / Prismatic jaw plate



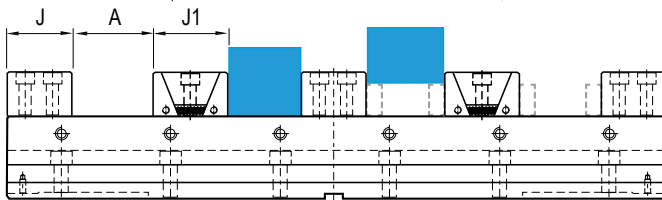
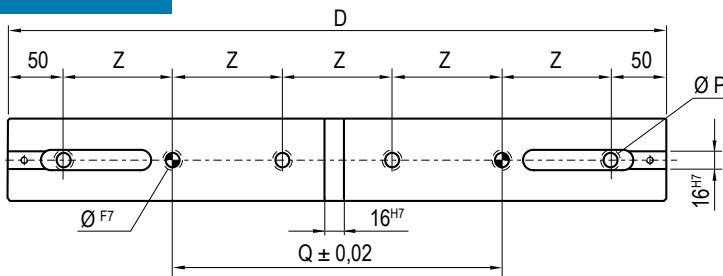
Cod. Art. 610F 6.61.0F100

\* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.34 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.34

**Art. 613**

 Ganasca mobile doppia di spinta  
 Double clamping movable jaws


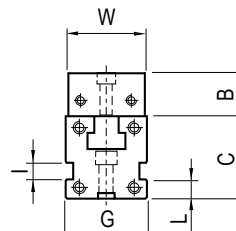
Cod. 6.61.31000

**Art. 611**

 Ogni morsa è completa di 1 ganasca fissa, 4 ganasce fisse-mobili  
 1 chiave a T, 2 tasselli di posizionamento e 4 arresti laterali  
 Each vise is supplied with 1 fixed jaw and 4 fixed-movable jaws  
 1 T wrench, one pair of positioning key nuts and 4 workstops

Ø = Sede viti calibrate / Hole for calibrated screw

<b>Art.81</b>	Tipo - Type 1	Ø10h7 x 20
<b>Art.81</b>	Tipo - Type 2	Ø16h7 x 35
<b>Art.81</b>	Tipo - Type 3	Ø16h7 x 45

Vedi pag. 6.36 - Vedi page 6.36



Art. 611	Pag.
n° 1 Art. 601	6.28
n° 3 Art. 604G	6.30
n° 2 Art. 613	6.32



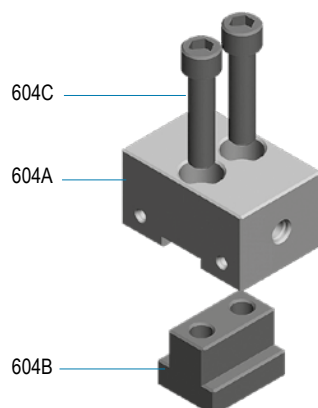
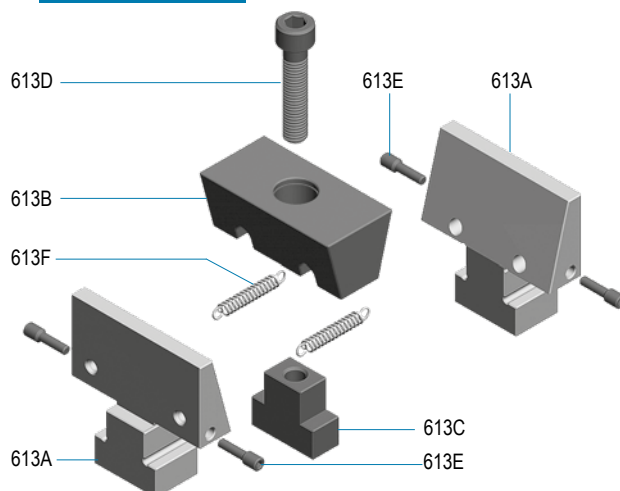


	2 30 kN						3 40 kN			
	A	4 x 34	4 x 59	4 x 84	4 x 109	4 x 134	4x159	4 x 77	4 x 102	4 x 127
B	40						60			
C <sup>-0 -0,02</sup>	75						100			
D	400	500	600	700	800	900	700	800	900	1000
G <sup>-0 -0,02</sup>	75						100			
J	50						70			
J1	52 / 58						84 / 90			
I	11						12			
L	20						20			
Z	100						100			
W	74						99			
P	13						17			
Q	300	200	300	400	500	400	400	500	400	500
Ø F7	16						16			
kg	20,79	24,29	27,79	31,29	34,8	38,3	63	68,5	74	79,5
Cod.	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
Cod.	6.61.32000	6.61.33000

\* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.34 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.34

**Art. 604G**
**GANASCIA FISSA  
FIXED JAW**

**Art. 613**
**GANASCIA DOPPIA  
DOUBLE JAW**


Art.	Pag.
<b>604A</b>	6.33
<b>604B</b>	6.33
<b>604C</b>	6.33
<b>613A</b>	6.35
<b>613B</b>	6.35
<b>613C</b>	6.35
<b>613D</b>	6.35
<b>613E</b>	6.35
<b>613F</b>	6.35
-	-

# 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)

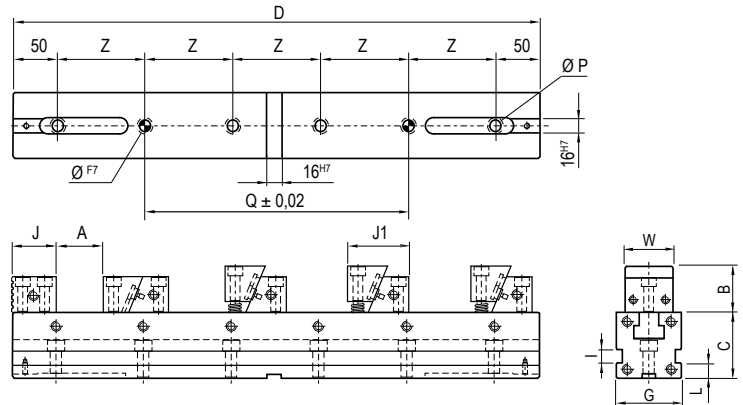
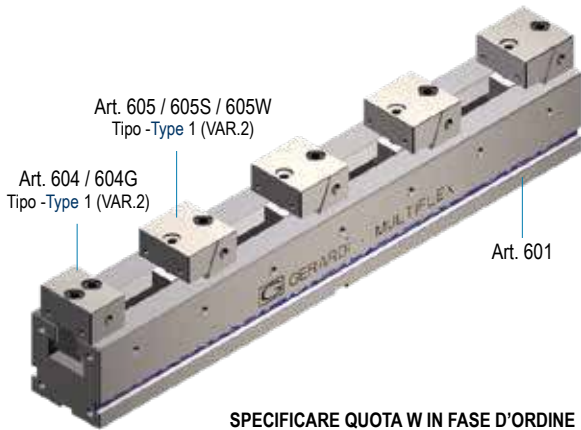
### Art. 632S

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

### Art. 632W

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

**NEW!**



**SPECIFICARE QUOTA W IN FASE D'ORDINE**  
**TO BE SPECIFY THE W QUOTE IN CASE OF ORDER**

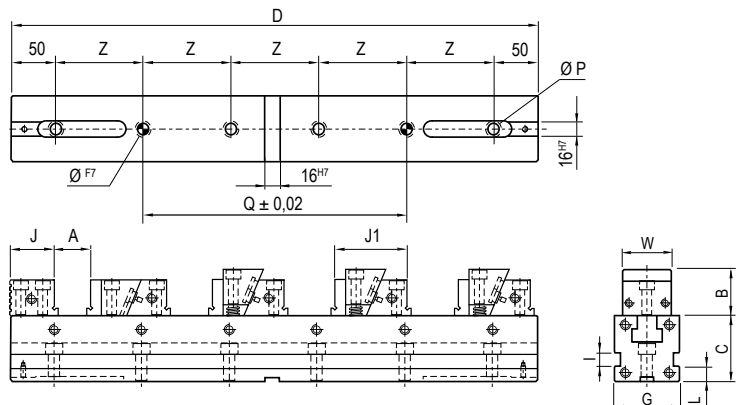
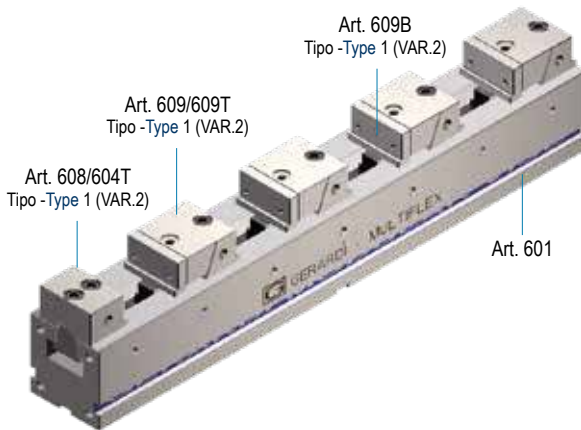
### Art. 652

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

### Art. 652T

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

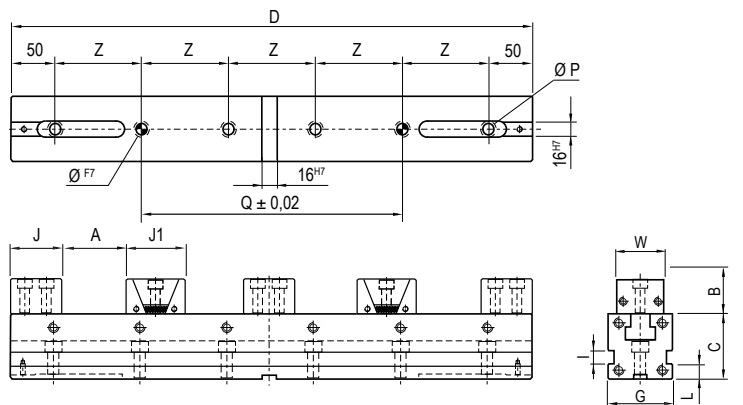
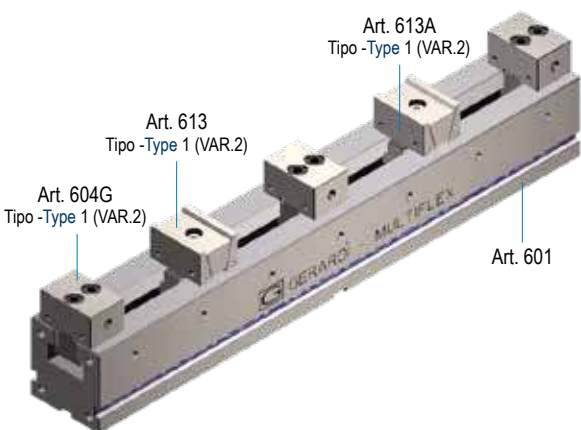
**NEW!**



**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)



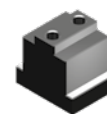
**SPECIFICARE QUOTA W IN FASE D'ORDINE**  
**TO BE SPECIFY THE W QUOTE IN CASE OF ORDER**

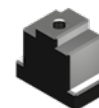
1 20 kN						
A	4 x 32,5	4 x 57,5	4 x 82,5	4 x 107,5	4 x 132,5	4 x 157,5
B	32 / 25					
C <sup>-0 -0,02</sup>	75					
D	400	500	600	700	800	900
G <sup>-0 -0,02</sup>	75					
J	38					
J1	55 / 58					
I	11					
L	20					
Z	100					
W	49					
ØP	13					
Q	300	200	300	400	500	400
Ø <sup>F7</sup>	16					
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

**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

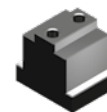

Vedi pag 6.36 - See pag 6.36

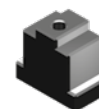
A	4 x 24,5	4 x 49,5	4 x 74,5	4 x 99,5	4 x 124,5	4 x 149,5
B	32 / 25					
C	75					
D	400	500	600	700	800	900
G <sup>-0 -0,02</sup>	75					
J	38					
J1 <sup>-0 -0,02</sup>	65 / 68					
I	11					
L	20					
Z	100					
W	49					
ØP	13					
Q	300	200	300	400	500	400
Ø <sup>F7</sup>	16					
kg	16,8	20,3	23,8	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

**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

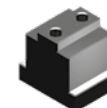

Vedi pag 6.34-36 - See pag 6.34-36

A	4 x 48	4 x 73	4 x 98	4 x 123	4 x 148	4 x 173
B	25					
C	75					
D	400	500	600	700	800	900
G <sup>-0 -0,02</sup>	75					
J	38					
J1 <sup>-0 -0,02</sup>	44 / 50					
I	11					
L	20					
Z	100					
W	49					
ØP	13					
Q	300	200	300	400	500	400
Ø <sup>F7</sup>	16					
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

**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


Vedi pag 6.35-36 - See pag 6.35-36

# GANASCE TIPO 1 o 2 - BASE TIPO 3

## JAWS TYPE 1 or 2 - BASE TYPE 3

**Art. 633**

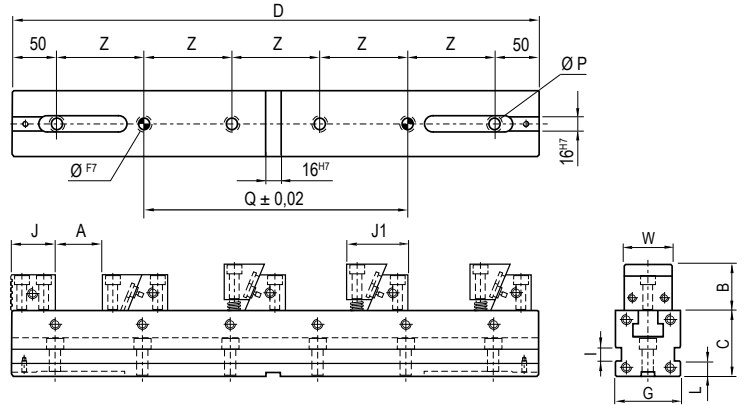
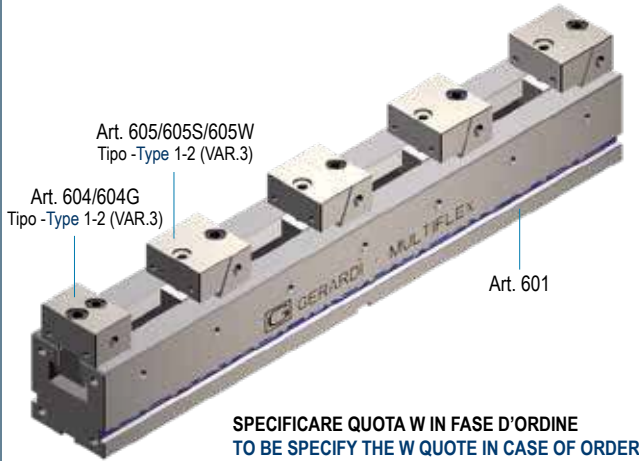
 Morsa con ganasce lisce (Art. 605)  
 Vise with smooth jaws (Art. 605)

**Art. 633W**

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

**Art. 633S**

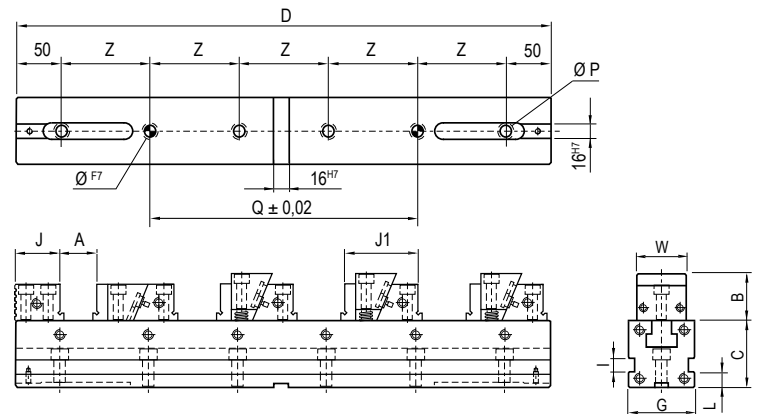
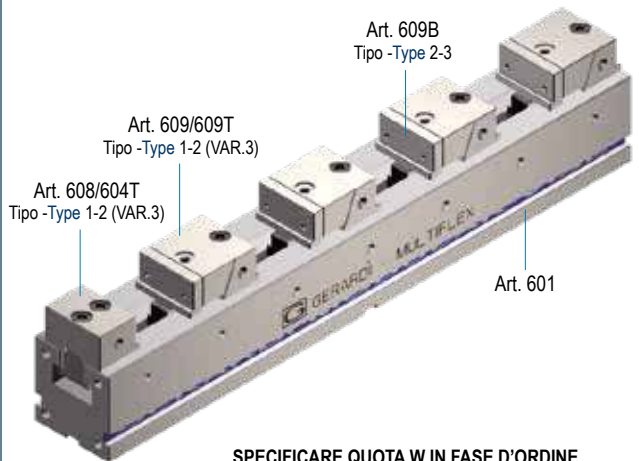
 Morsa con ganasce zigrinate (Art. 605S)  
 Vise with serrated jaws (Art. 605S)

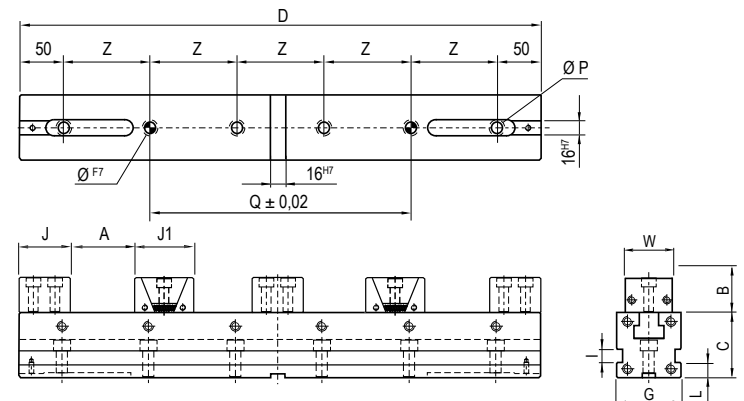
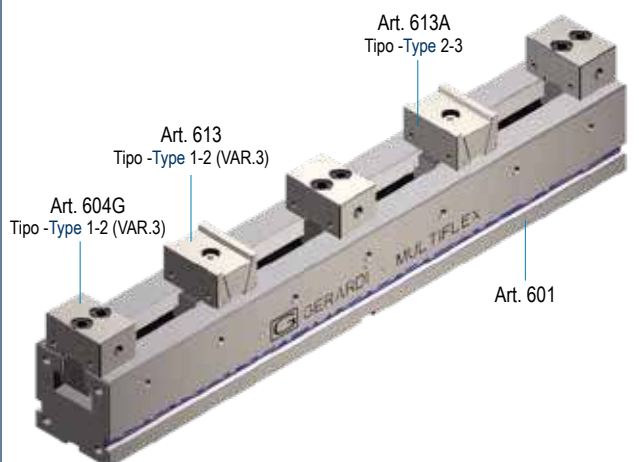
**NEW!**

**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)

**NEW!**

**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)

**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
B	32 / 25				40			
C <sup>-0 -0,02</sup>	100				100			
D	700	800	900	1000	700	800	900	1000
G <sup>-0 -0,02</sup>	100				100			
J	38				50			
J1	55 / 58				70 / 25			
I	12				12			
L	20				20			
Z	100				100			
W	49				74			
P	17				17			
Q	400	500	400	500	400	500	400	500
Ø <sup>F7</sup>	16				16			
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

**Kit trasformazione ganasce**

Jaws transformations kit

**Art. 604B T.1-2 (VAR.3)**

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

**Art. 605C T.1-2 (VAR.3)**

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

**Art. 605D T.1-2 (VAR.3)**

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


Vedi pag 6.36 - See pag 6.36

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	100				100			
D	700	800	900	1000	700	800	900	1000
G <sup>-0 -0,02</sup>	100				100			
J	38				50			
J1 <sup>-0 -0,02</sup>	65 / 68				83 / 88			
I	12				12			
L	20				20			
Z	100				100			
W	49				74			
P	17				17			
Q	400	500	400	500	400	500	400	500
Ø <sup>F7</sup>	16				16			
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

**Art. 609B T.1 (VAR.3)**

 Ganaschia mobile  
 guidata con gradino  
 Movable guided  
 jaw with step

**Art. 604B T.1 (VAR.3)**

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

**Art. 605C T.1 (VAR.3)**

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

**Art. 605D T.1 (VAR.3)**

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


Vedi pag 6.34-36 - See pag 6.34-36

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	100				100			
D	700	800	900	1000	700	800	900	1000
G <sup>-0 -0,02</sup>	100				100			
J	38				50			
J1 <sup>-0 -0,02</sup>	44 / 50				52 / 58			
I	12				12			
L	20				20			
Z	100				100			
W	49				74			
P	17				17			
Q	400	500	400	500	400	500	400	500
Ø <sup>F7</sup>	16				16			
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

**Art. 613A T.1-2 (VAR.3)**

 Ganaschia mobile  
 Movable jaw

**Art. 604B T.1-2 (VAR.3)**

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


Vedi pag 6.35-36 - See pag 6.35-36

**Tipo (grandezza) morsa / Vise type (size)**
**Art. 602**

 Cubo-morsa con ganasce lisce (Art. 602)  
 Vise-tower with smooth jaws (Art. 602)

**Art. 602S**

 Cubo-morsa con ganasce zigrinate (Art. 602S)  
 Vise-tower with serrated jaws (Art. 602S)

**Art. 602W** NEW!

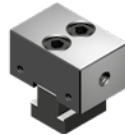
 Cubo-morsa con ganasce mobili lisce e fissa zigrinata (Art. 602W)  
 Vise with smooth movable jaws and fixed serrated jaws (Art. 602W)

 Ogni cubo-morsa è completo di  
 4 ganasce fisse, 16 ganasce fisse mobili,  
 1 chiave a T, 1 coppia tasselli di posizionamento  
 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 and 16 workstops


kN	1				
	20 kN				
A	4 x 8mm	4 x 33	4 x 58	4 x 83	4 x 108
B	25				
B1	32 / 25				
C <sup>-0</sup> <sub>-0.02</sub>	100				
D	300	400	500	600	700
G <sup>-0</sup> <sub>-0.02</sub>	50				
J	38				
J1	55 / 58				
H	66				
Ø I <sup>H7</sup>	25				
L	20				
M	14				
kg	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	6.60.21700
Cod. Art.602S	6.60.2S130	6.60.2S140	6.60.2S150	6.60.2S160	6.60.2S170
Cod. Art.602W	6.60.2W130	6.60.2W140	6.60.2W150	6.60.2W160	6.60.2W170

**AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !**
**Art. 604\***

 Ganasca fissa (1 lato liscia, 1 lato zigrinata)  
 Fixed jaw (1 side smooth, 1 side serrated)


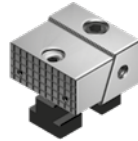
Cod. 6.60.41000

\* Arresto laterale a richiesta Workstop on request

**Art. 605\***

 Ganasca mobile e fissa liscia  
 Fixed and movable smooth jaws

**Art. 605S\***

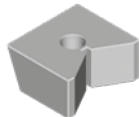
 Ganasca mobile e fissa zigrinata  
 Fixed and movable serrated jaws


Cod. Art.605 6.60.51000

Cod. Art.605S 6.60.5S100

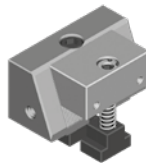
\* Arresto laterale a richiesta Workstop on request

**Art. 605L**

 Cuneo di spinta a "V"  
 "V" clamping wedge


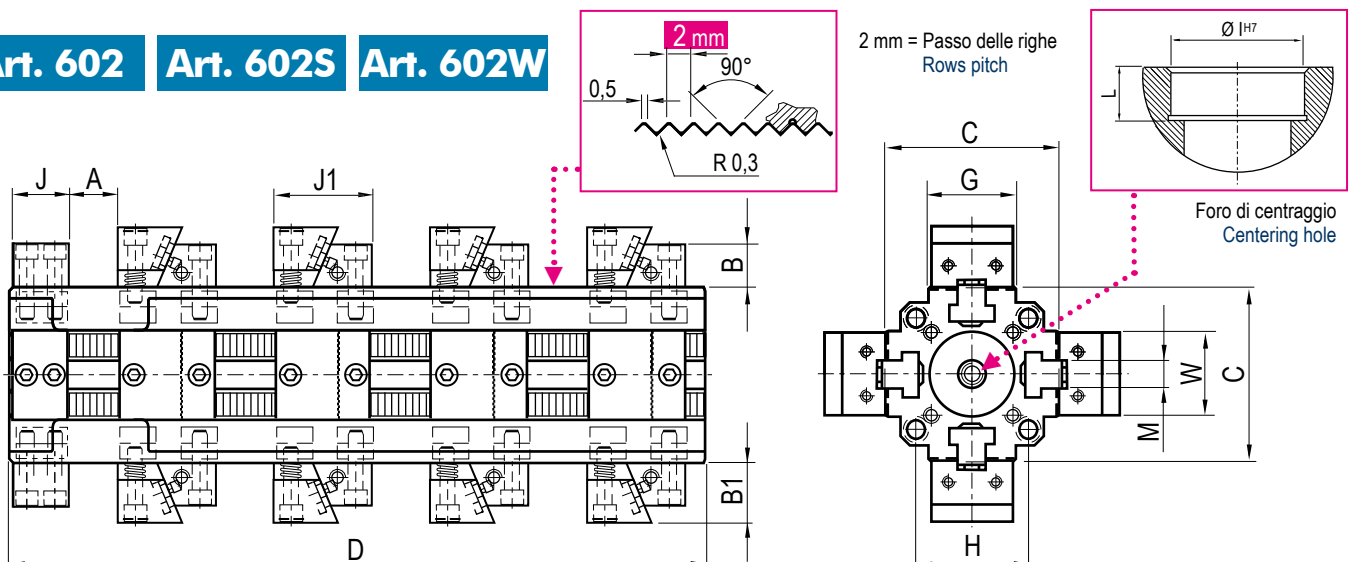
Cod. 6.60.5L100

**Art. 615\***

 Ganasca 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. 602 Art. 602S Art. 602W**


2 30 kN							3 40 kN					
4 x 12mm	4 x 37	4 x 62	4 x 62	4 x 87	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				60	
	40		40	40			40				60	
	150		230	150	210		240				240	
400	500	600	600	700	700	700	700	800	700	800	900	1000
	75		75	75			75				100	
	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
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	6.60.23100	
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	6.60.2S310	
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	6.60.2W310	

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

### UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !

6.60.42000

6.60.43000

 6.60.52000  
 6.60.5S200

 6.60.53000  
 6.60.5S300

6.60.5L200

6.60.5L300

6.61.52000

6.61.53000

#### Art. 605

#### GANASCIA LISCIA JAW PLATE

Per il serraggio di particolari finiti  
To clamp finished workpieces

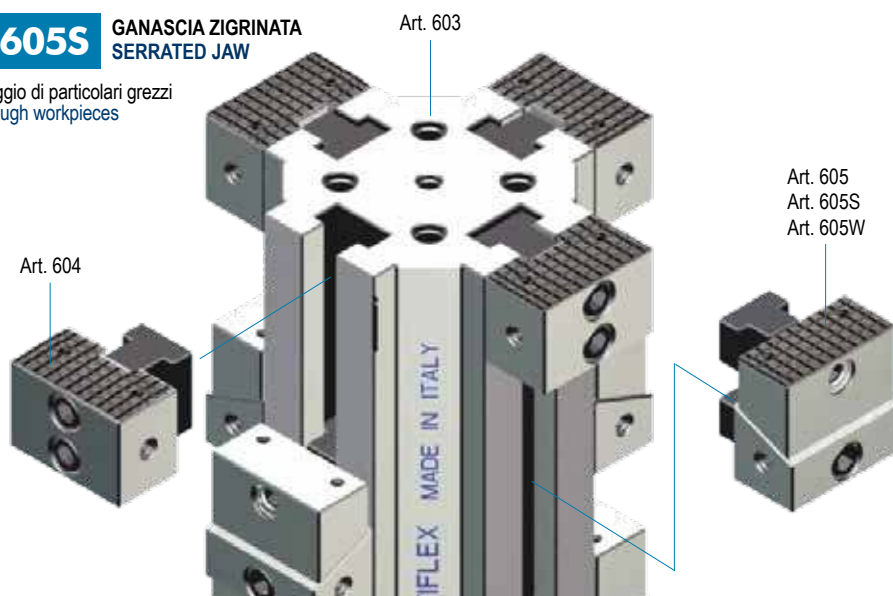
#### Art. 605W

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. 602	Art. 602S	Pag.
n° 1 Art. 603		6.29
n° 4 Art. 604		6.30
n° 16 Art. 605	n° 16 Art. 605S	6.31

**Tipo (grandezza) morsa / Vise type (size)**
**Art. 607**

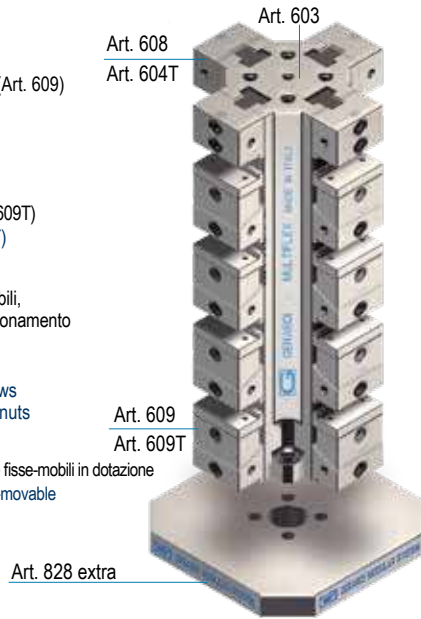
 Cubo-morsa con ganasce a gradino (Art. 609)  
 Vise-tower with step jaws (Art. 609)

**Art. 607T**

 Cubo-morsa con ganasce **GRIP** (Art. 609T)  
 Vise-tower with **GRIP** jaws (Art. 609T)

 Ogni cubo-morsa è completo di  
 4 ganasce fisse, 16 ganasce fisse mobili,  
 1 chiave a T, 1 coppia tasselli di posizionamento  
 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  
 and 16 workstops

 \* Solo tipo 1x300 e 2x400 n. 12 ganasce fisse-mobili in dotazione  
 Only type 1x300 and 2x400 n. 3 fixed-movable  
 jaws included


kN	1				
	20 kN				
A	3 x 19mm *	4 x 23	4 x 48	4 x 73	4 x 97
B			25		
B1			32 / 25		
C <sup>-0</sup> <sub>-0.02</sub>			100		
D	300	400	500	600	700
G <sup>-0</sup> <sub>-0.02</sub>			50		
J			38		
J1			65 / 68		
J2			59 / 62		
H			66		
Ø I <sup>H7</sup>			25		
L			20		
M			14		
W			49		
kg	29,6	34,6	39,6	44,6	49,7
Cod. Art. 607	6.60.71300	6.60.71400	6.60.71500	6.60.71600	6.60.71700
Cod. Art. 607T	6.60.7T130	6.60.7T140	6.60.7T150	6.60.7T160	6.60.7T170

**AMPLIA LE TUE APPLICAZIONI TRAMITE GLI ACCESSORI MODULARI !**
**Art. 609\***

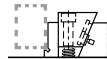
 Ganasca fissa e mobile con gradino  
 Fixed and moving jaw with step


Cod. 6.60.91000

\* Arresto laterale a richiesta Workstop on request

**Art. 610B \***

Piastra ganasca dolce / Soft jaw plate



Cod. Art. 610B 6.61.0B100

**Art. 610C \***

Piastra ganasca liscia / Smooth jaw plate



Cod. Art. 610C 6.61.0C100

**Art. 610D \***

Piastra ganasca zigrinata / Serrated jaw plate



Cod. Art. 610D 6.61.0D100

**Art. 610E \***

Piastra ganasca parallela / Parallel jaw plate



Cod. Art. 610E 6.61.0E100

**Art. 610F \***

Piastra ganasca prismatica / Prismatic jaw plate



Cod. Art. 610F 6.61.0F100

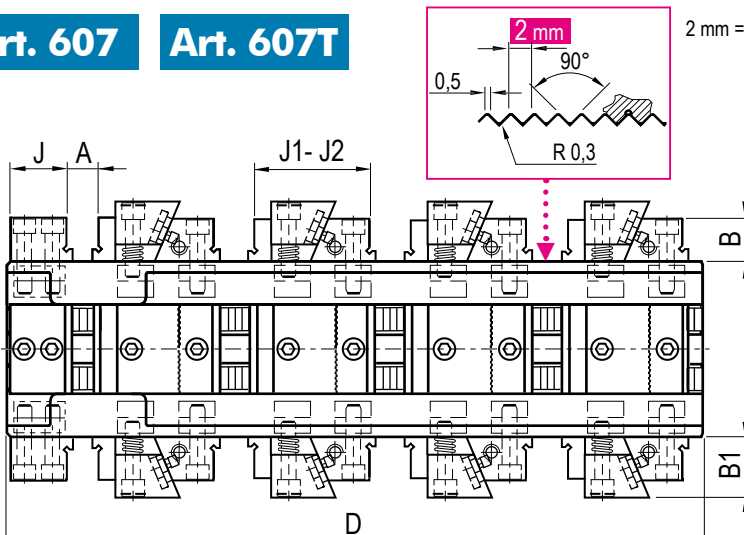
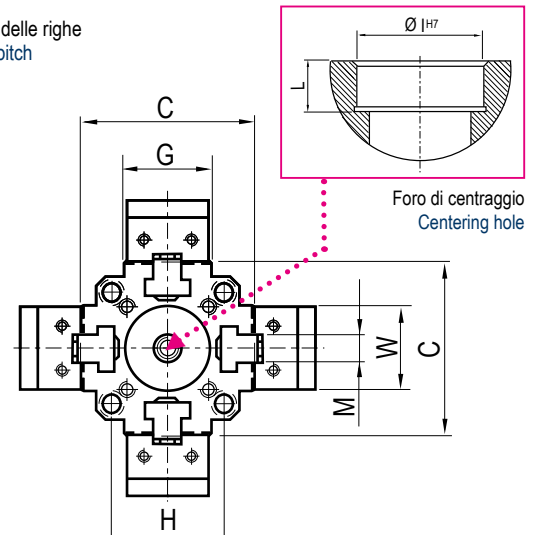
\* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.34 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.34

**Art. 609T\***

 Ganasca fissa e mobile  
 con piastra ganasca **GRIP a forte serraggio**  
 Fixed and moving jaw with **GRIP** jaw-plates  
 for strongest clamping


Cod. 6.60.9T100

\* Arresto laterale a richiesta Workstop on request

**Art. 607**
**Art. 607T**

 2 mm = Passo delle righe  
 Rows pitch






2 30 kN						3 40 kN					
3 x 28mm*	4 x 24	4 x 49	4 x 49	4 x 74	4 x 74	4 x 74	4 x 99	4 x 39	4 x 64	4 x 89	4 x 114
	40		40	40		40			60		
	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			100		
	50		50	50		50			70		
	83 / 88		83 / 88	83 / 88		83 / 88			109 / 113		
	77 / 82		77 / 82	77 / 82		77 / 82			103 / 107		
	100		-	100	-	-	-		150 / 200		
	50		50	50		50			50		
	20		20	20		20			20		
	22		22	22		22			30		
	74		74	74		74			99		
85,6	96,8	108	150	119,2	155,8	183	203	268	292	315	339
6.60.72400	6.60.72500	6.60.72600	6.60.72601	6.60.72700	6.60.72701	6.60.72702	6.60.72800	6.60.73700	6.60.73800	6.60.73900	6.60.73100
6.60.7T240	6.60.7T250	6.60.7T260	6.60.7T261	6.60.7T270	6.60.7T271	6.60.7T272	6.60.7T280	6.60.7T370	6.60.7T380	6.60.7T390	6.60.7T310

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

**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
Cod.	6.60.9T200	6.60.9T300

\* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.34 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.34

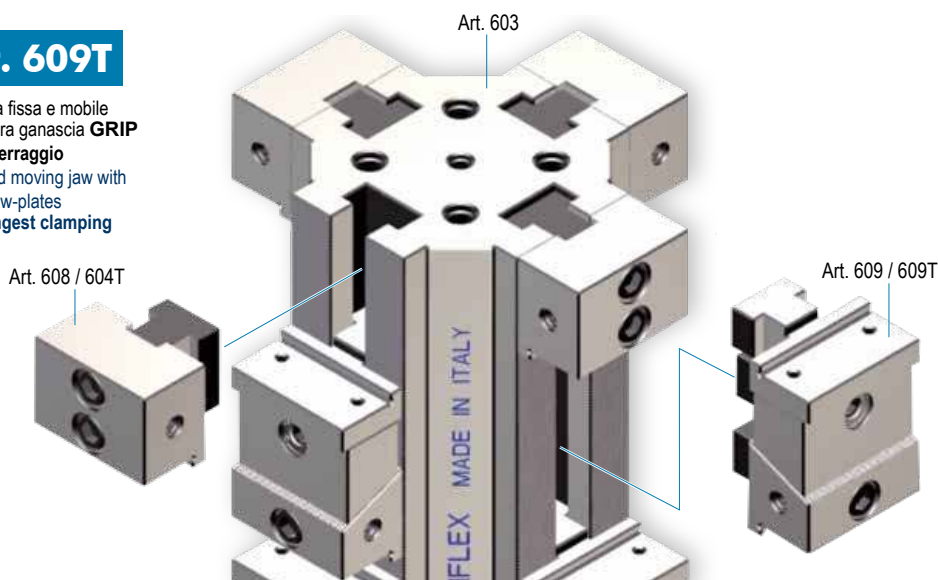
**Art. 609**

Ganascia fissa e mobile con gradino  
Fixed and moving jaw with step

**Art. 609T**

Ganascia fissa e mobile  
con piastra ganascia **GRIP**  
a forte serraggio  
Fixed and moving jaw with  
**GRIP** jaw-plates  
for strongest clamping

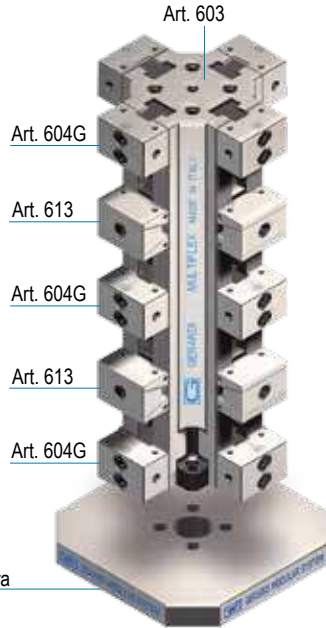
Art. 607	Pag.
n° 1 Art. 603	6.29
n° 4 Art. 608	6.30
n° 16 Art. 609	6.31




**Tipo (grandezza) morsa / Vise type (size)**
**Art. 612**

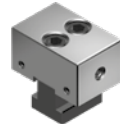
 Cubo-morsa con ganasce doppie (Art. 613)  
 Vise-tower with double jaws (Art. 613)

 Ogni cubo-morsa è completo di  
 12 ganasce fisse, 8 ganasce fisse mobili,  
 1 chiave a T,  
 1 coppia tasselli di posizionamento  
 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  
 and 16 workstops


kN	1				
	20 kN				
A	4 x 21mm	4 x 46	4 x 71	4 x 94	4 x 121
B	25				
C <sup>-0</sup> <sub>-0.02</sub>	100				
D	300	400	500	600	700
G <sup>-0</sup> <sub>-0.02</sub>	50				
J	38				
J1	44 / 50				
H	66				
Ø I <sup>H7</sup>	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 \***

 Ganasca 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 ganasca dolce / Soft jaw plate



Cod. Art. 610B 6.61.0B100


**Art. 610C \***

Piastra ganasca liscia / Smooth jaw plate



Cod. Art. 610C 6.61.0C100


**Art. 610D \***

Piastra ganasca zigrinata / Serrated jaw plate



Cod. Art. 610D 6.61.0D100


**Art. 610E \***

Piastra ganasca parallela / Parallel jaw plate



Cod. Art. 610E 6.61.0E100


**Art. 610F \***

Piastra ganasca prismatica / Prismatic jaw plate

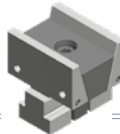


Cod. Art. 610F 6.61.0F100

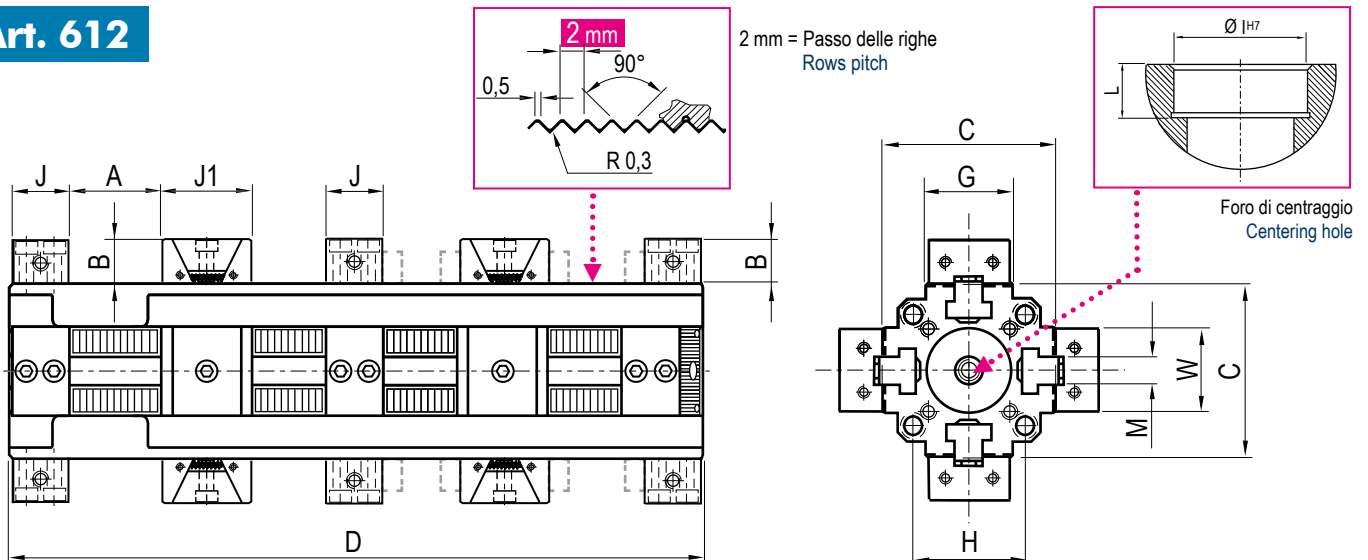


\* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.34 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.34

**Art. 613**

 Ganasca mobile doppia di spinta  
 Double clamping movable jaws


Cod. 6.61.31000


**Art. 612**




2 30 kN						3 40 kN						
4 x 34mm	4 x 59	4 x 84	4 x 84	4 x 109	4 x 109	4 x 109	4 x 109	4 x 134	4 x 77	4 x 102	4 x 127	4 x 152
	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				100		
	50		50	50		50				70		
	52 / 58		52 / 58	52 / 58		52 / 58				84 / 90		
	100		-	100	-	-	-			150 / 200		
	50		50	50		50				50		
	20		20	20		20				20		
	22		22	22		22				30		
	74		74	74		74				99		
72,4	83,6	94,8	137	106	142,6	170	190		244	268	291	315
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

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

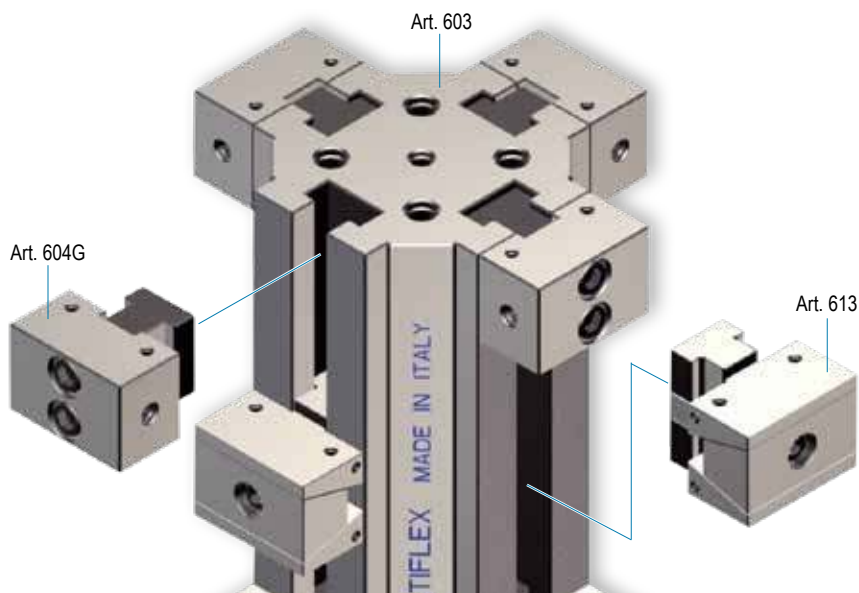
**UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !**

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
Cod.	6.61.32000	6.61.33000

\* Piastrine Art.610B - 610C - 610D - 610E - 610F dimensioni come pagina 6.34 - Jaw plates Art.610B - 610C - 610E - 610F dimensions as page 6.34

**Art. 613**

Ganascia mobile doppia di spinta  
Double clamping movable jaws



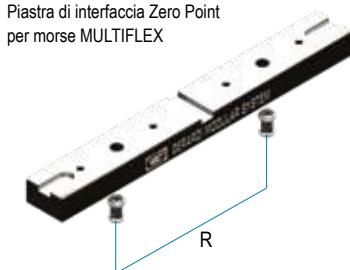
Art. 612	Pag.
n° 1 Art. 603	6.29
n° 12 Art. 604G	6.30
n° 8 Art. 613	6.32

Tipo (grandezza) morsa / Vise type (size)	1					2					3				
A	34					50					70				
A1	34					54					70				
B	8					12,5					15				
B1	8					10,5					15				
C <sup>+0</sup> <sub>-0,02</sub>	50					75					100				
D	300	400	500	600	700	400	500	600	700	800	900	700	800	900	1000
E	37,5					55					75				
F	100					100					100				
G <sup>+0</sup> <sub>-0,02</sub>	50					75					100				
Ø P	9					13					17				
Q	100	100	200	300	400	300	200	300	400	500	400	400	500	400	500
S	50					50					50				
Ø F7	10					16					16				
Z	100					100					100				
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



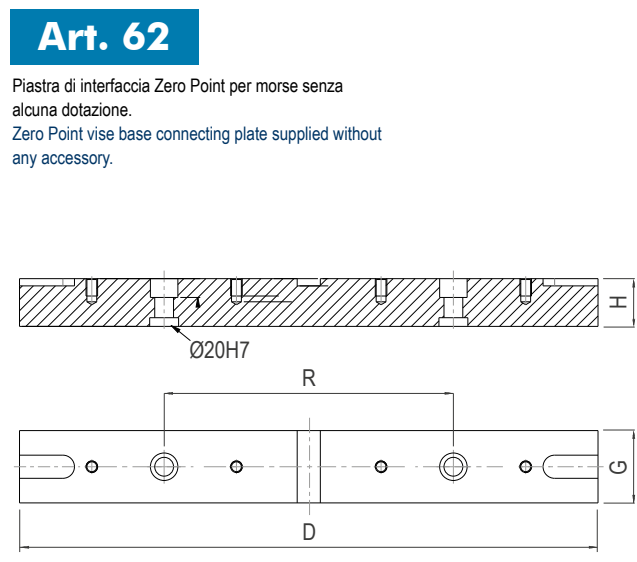
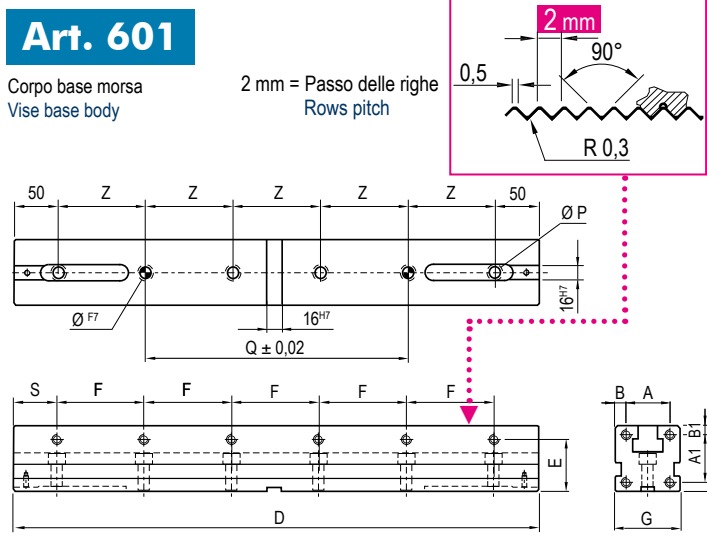
**Art. 601**  
 Corpo base morsa  
 Vise base body

Tipo (grandezza) morsa / Vise type (size)	1					2					3				
D	300	400	500	600	700	400	500	600	700	800	900	700	800	900	1000
G	50					75					100				
H	28					33					33				
N	2	2	2	2	3	2	2	2	3	3	3	3	3	3	4
R <sup>+0,02</sup> <sub>-0,02</sub>	200	200	250	250	200	200	250	250	200	250	300	200	250	300	200
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



**Art. 62** **MULTIFLEX**  
 Piastra di interfaccia Zero Point  
 per morse MULTIFLEX

**NEW!**



**Art. 62**  
 Piastra di interfaccia Zero Point per morse senza  
 alcuna dotazione.  
 Zero Point vise base connecting plate supplied without  
 any accessory.

6

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

## Art. 603

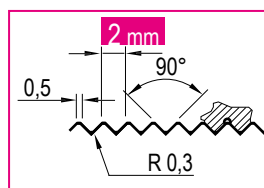
 Corpo base cubo  
 Cube base body

$C_{-0,02}^0$	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
$G_{-0,02}^0$	50					75			75	75	75			100			
$\varnothing I_{H7}$	25					50			50	50	50			50			
$L_{-0,02}^0$	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

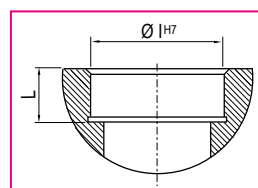
I prezzi su fondo magenta sono **comprensivi di base integrale**  
 Prices on the magenta background **include the solid head plate with the vise-tower**



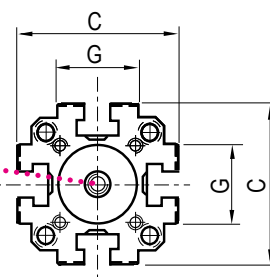
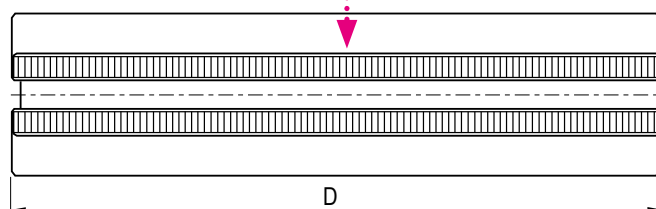
### Art. 603

 Corpo cubo semplice  
 Simple cube body


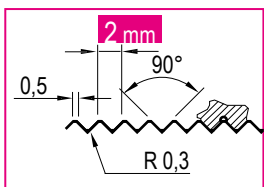
2 mm =  
 Passo delle righe  
 Rows pitch



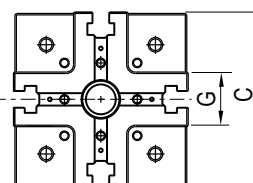
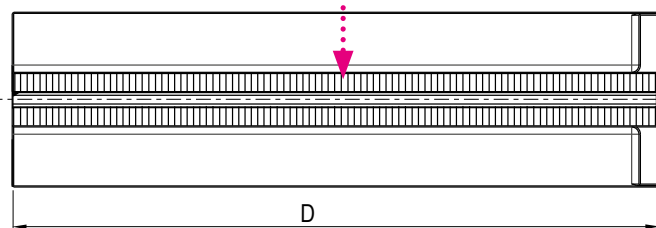
Foro di centraggio  
 Centering hole



### Art. 603

 Corpo cubo con base integrale  
 Cube body with integral base


2 mm =  
 Passo delle righe  
 Rows pitch



Tipo (grandezza) morsa / Vise 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	1,35	3,84
Cod.	6.60.41000	6.60.42000	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

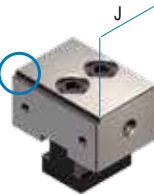
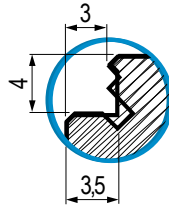


kg	0,5	1,40	3,90
Cod.	6.60.4G100	6.60.4G200	6.60.4G300

\* Arresto laterale a richiesta Workstop on request

**Art. 604T\***

Ganascia fissa GRIP per morsa Art. 606T  
 Fixed GRIP jaw for vise Art. 606T

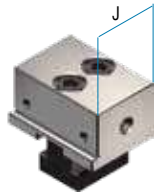


J	38	50	70
Cod.	6.60.4T100	6.60.4T200	6.60.4T300

\* 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	50	70
kg	0,45	1,4	4
Cod.	6.60.81000	6.60.82000	6.60.83000

\* Arresto laterale a richiesta Workstop on request

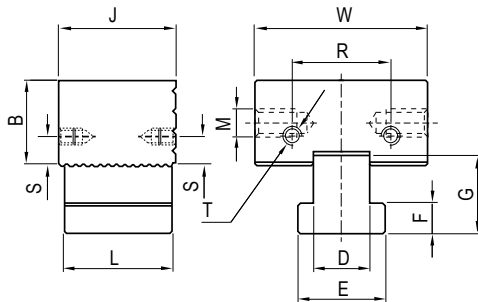
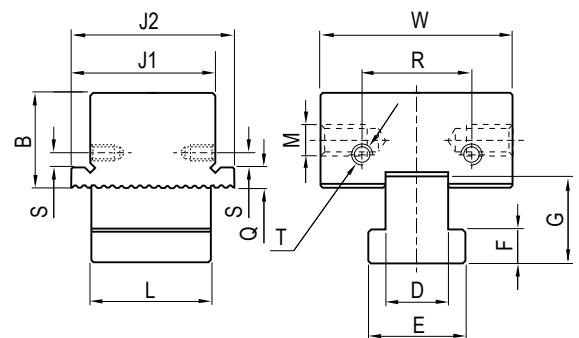
**Art. 614T\***

Ganascia fissa con doppio gradino  
 Fixed jaw with double step



Cod.	6.61.4T100	6.61.4T200	6.61.4T300
------	------------	------------	------------

\* Arresto laterale a richiesta Workstop on request

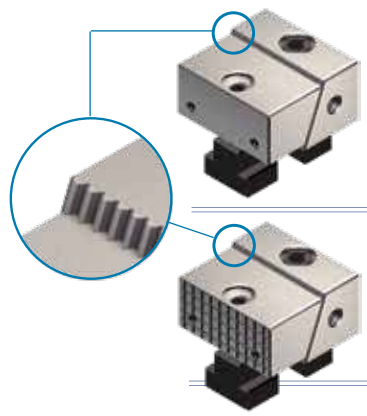
**Art. 604**

**Art. 608**
**Art. 614T**


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

Typo (grandezza) morsa / Vise type (size)	1	2	3
---	---	---	---

**Art. 605\***

 Ganaschia fissa e mobile liscia per morsa Art. 600  
 Fixed and movable smooth jaw for vise Art. 600

 Ganaschia discendente guidata / Sistema a pettine (Particolare)  
 Guided pull down jaw / Comb system (Detail)


kg	0.6	1.8	4.7
Cod.	6.60.51000	6.60.52000	6.60.53000

\* Arresto laterale a richiesta Workstop on request

**Art. 605S\***

 Ganaschia fissa e mobile zigrinata per morsa Art. 600  
 Fixed and movable serrated jaw Art. 600

**Art. 605W\***

 Ganaschia fissa zigrinata e mobile liscia per morsa Art. 600  
 Serrated fixed jaw and movable smooth for vise Art. 600

kg	0.6	1.8	4.7
Cod.	6.60.5S100	6.60.5S200	6.60.5S300

\* Arresto laterale a richiesta Workstop on request

Cod.	6.60.5W100	6.60.5W200	6.60.5W300
------	------------	------------	------------

\* Arresto laterale a richiesta Workstop on request

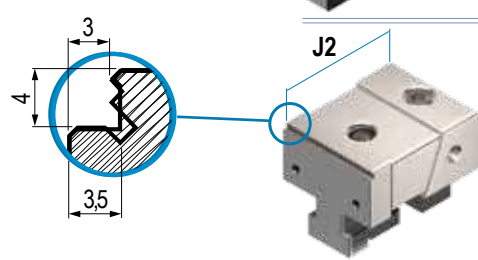
**Art. 609\***

 Ganaschia fissa e mobile con gradino per morsa Art. 606  
 Fixed and moving jaw with step for vise Art. 606


kg	0.8	2.2	5.5
Cod.	6.60.91000	6.60.92000	6.60.93000

\* Arresto laterale a richiesta Workstop on request

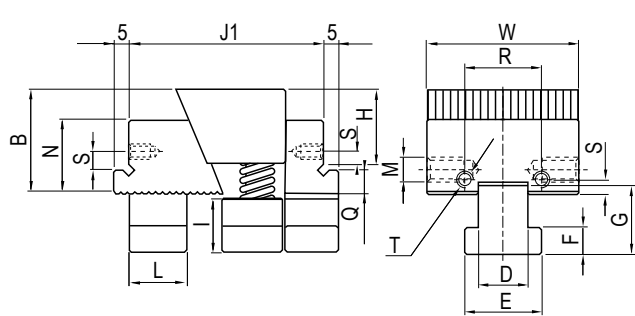
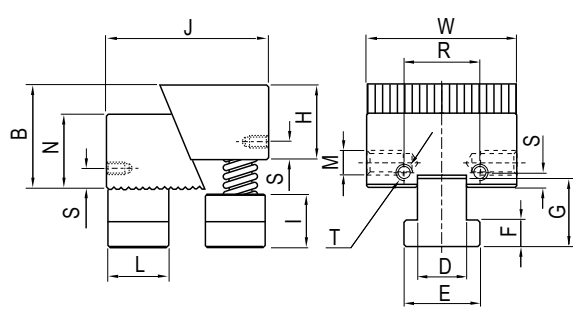
**Art. 609T\***

 Ganaschia fissa e mobile GRIP per morsa Art. 606T  
 Fixed and moving GRIP jaw for vise Art. 606T


Cod.	6.60.9T100	6.60.9T200	6.60.9T300
------	------------	------------	------------

\* Arresto laterale a richiesta Workstop on request

Art.	Art. 605	Art. 605S	Art. 605W	Art. 609	Art. 609T
------	----------	-----------	-----------	----------	-----------



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) morsa / Vise type (size)	1	2	3
---	---	---	---

**Art. 613**

 Ganaschia 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**

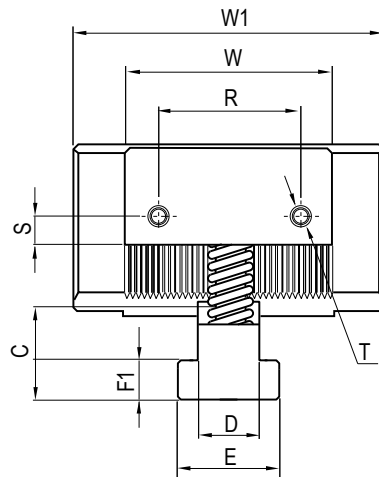
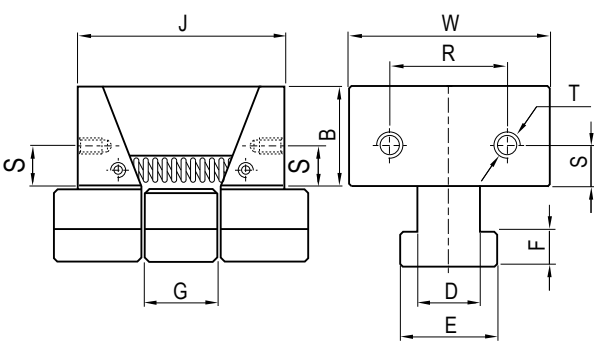
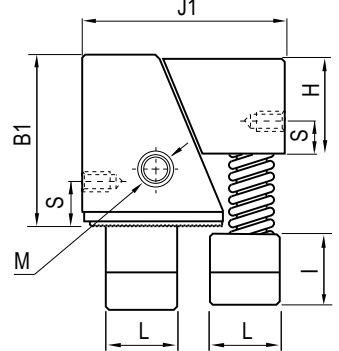
 Ganaschia con cuneo di posizionamento maggiorato  
 Jaw with bigger positioning wedge  
 (Increased with respect to standard dimensions)


Cod.Art.615	6.61.51000	6.61.52000	6.61.53000
Cod.Art.615W	6.61.5W100	6.61.5W200	6.61.5W300

**Art. 615W** NEW!

 Ganaschia zigrinata fissa e mobile liscia con cuneo di posizionamento maggiorato  
 Serrated fixed and movable jaw with bigger positioning wedge

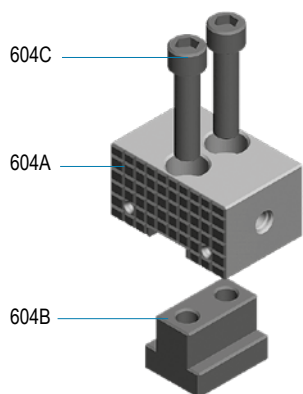
\* Arresto laterale a richiesta Workstop on request

**Art. 613**

**Art. 615**


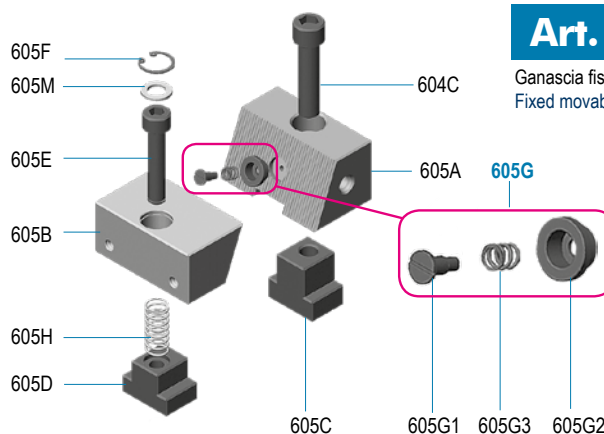
Art.	1	2	3
W	49	74	99
W1	64	110	150
B	25	40	60
B1	45	60	75
C	21	33	46
D	14	22	30
E	22	35	48
F	9	15	21
F1	8	14	21
G	13	15	25
H	25	34	50
I	18	26	40
J	44 / 50	52 / 58	84 / 90
J1	54 / 58	73 / 79	94.5 / 98.5
L	22	25	35
M	M10	M10	M10
N	45	60	75
R	30	50	50
S	7	10	10
T	M5	M6	M6



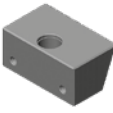

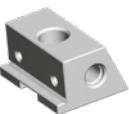



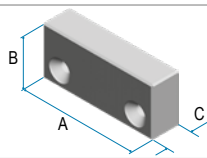
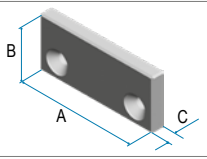
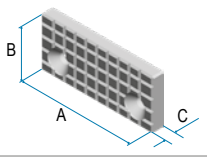
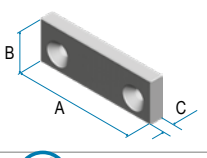
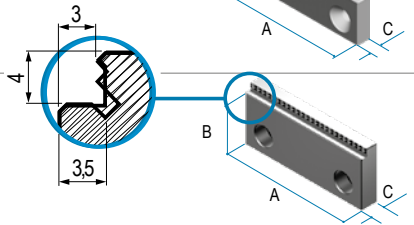
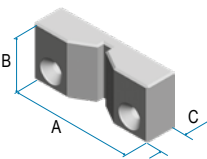

Tipo (grandezza) morsa / Vise type (size)		1	2	3	
<b>Art. 604</b>	Ganascia fissa (1 lato liscia, 1 lato zigrinata) Fixed jaw (1 side smooth, 1 side serrated)		Cod. 6.60.41000	6.60.42000	6.60.43000
<b>Art. 604A</b>	Ganascia fissa (un lato liscio e uno zigrinato) Fixed jaw (1 side smooth, 1 side serrated)		Cod. 6.60.4A100	6.60.4A200	6.60.4A300
<b>Art. 604B</b>	Dado a "T" per ganascia fissa / "T" nut for fixed jaw		Cod. 6.60.4B100	6.60.4B200	6.60.4B300
<b>Art. 604C</b>	Vite TCEI fissaggio ganascia fissa Hex socket head screw for fixed jaw		Cod. 6.60.4C100	6.60.4C200	6.60.4C300
<b>Art. 605A</b>	Cuneo di posizionamento / Positioning wedge		Cod. 6.60.5A100	6.60.5A200	6.60.5A300
<b>Art. 605AS</b>	Cuneo di posizionamento zigrinato Serrated positioning wedge		Cod. 6.60.5AS10	6.60.5AS20	6.60.5AS30
<b>Art. 605B</b>	Cuneo di spinta / Clamping wedge		Cod. 6.60.5B100	6.60.5B200	6.60.5B300
<b>Art. 605BS</b>	Cuneo di spinta zigrinato / Serrated clamping wedge		Cod. 6.60.5BS10	6.60.5BS20	6.60.5BS30
<b>Art. 605C</b>	Dado a "T" per cuneo di posizionamento "T" nut for positioning wedge		Cod. 6.60.5C100	6.60.5C200	6.60.5C300
<b>Art. 605D</b>	Dado a "T" per cuneo di spinta "T" nut for clamping wedge		Cod. 6.60.5D100	6.60.5D200	6.60.5D300
<b>Art. 605E</b>	Vite TCEI / TCEI screw		Cod. 6.60.5E100	6.60.5E200	6.60.5E300
<b>Art. 605F</b>	Anello elastico / Seeger		Cod. 6.60.5F100	6.60.5F200	6.60.5F300
<b>Art. 605G1</b>	Vite a gradino / Step screw		Cod. 6.60.5G101		6.60.5G103
<b>Art. 605G2</b>	Perno a molla / Spring pin		Cod. 6.60.5G201	6.60.5G202	6.60.5G203
<b>Art. 605G3</b>	Molla / Spring		Cod. 6.60.5G301		6.60.5G303
<b>Art. 605H</b>	Molla / Spring		Cod. 6.60.5H100	6.60.5H200	6.60.5H300
<b>Art. 605I</b>	Cuneo a spinta dolce / Soft clamping wedge		Cod. 6.60.5I100	6.60.5I200	6.60.5I300
<b>Art. 605L</b>	Cuneo di spinta a "V" / "V" clamping wedge		Cod. 6.60.5L100	6.60.5L200	6.60.5L300
<b>Art. 605M</b>	Rondella / Washer		Cod. 6.60.5M100	6.60.5M200	6.60.5M300


**Art. 604**

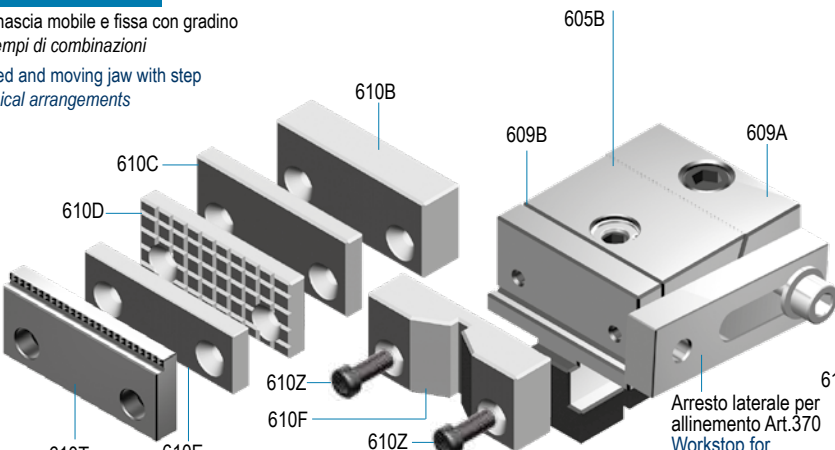
Ganascia fissa  
(1 lato liscia, 1 lato zigrinata)  
per morsa **Art. 600 e 602**  
Fixed jaw  
(1 side smooth, 1 side serrated)  
for vise **Art. 600 and 602**


**Art. 605**

Ganascia fissa mobile  
Fixed movable jaw

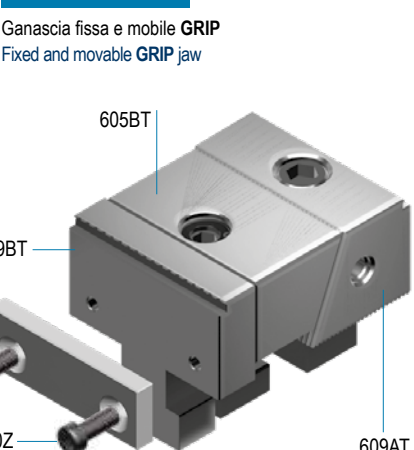
Tipo (grandezza) morsa / Vise type (size)		1	2	3																				
<b>Art. 605B</b> Cuneo di spinta Clamping wedge		<b>Art. 605BT</b> Cuneo di spinta per piastra GRIP Clamping wedge for GRIP plate		Cod. Art. 605B 6.60.5B100 6.60.5B200 6.60.5B300 Cod. Art. 605BT 6.60.5BT10 6.60.5BT20 6.60.5BT30																				
<b>Art. 609A</b> Cuneo di posizionamento con gradino Positioning wedge with step		<b>Art. 609AT</b> Cuneo di posizionamento GRIP Positioning GRIP wedge		Cod. Art. 609A 6.60.9A100 6.60.9A200 6.60.9A300 Cod. Art. 609AT 6.60.9AT10 6.60.9AT20 6.60.9AT30																				
<b>Art. 609B</b> Ganascia mobile guidata con gradino Movable guided jaw with step		<b>Art. 609BT</b> Ganascia mobile guidata GRIP Movable guided GRIP jaw		Cod. Art. 609B 6.60.9B100 6.60.9B200 6.60.9B300 Cod. Art. 609BT 6.60.9BT10 6.60.9BT20 6.60.9BT30																				
<b>Art. 610B</b> Piastra ganascia dolce Soft jaw plate		<table border="1"> <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> </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																					
<b>Art. 610C</b> Piastra ganascia liscia Smooth jaw plate		<table border="1"> <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> </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																					
<b>Art. 610D</b> Piastra ganascia zigrinata Serrated jaw plate		<table border="1"> <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> </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																					
<b>Art. 610E</b> Piastra ganascia parallela Parallel jaw plate		<table border="1"> <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> </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																					
<b>Art. 610T</b> Piastra ganascia GRIP a forte serraggio GRIP jaw plate for strongest clamping		<table border="1"> <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> </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																					
<b>Art. 610F</b> Piastra ganascia prismatica Prismatic jaw plate		<table border="1"> <tr><td>∅</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> </table>			∅	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
∅	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																					
<b>Art. 610Z</b> Vite per piastre ganasce Screw for jaw plates		<table border="1"> <tr><td>Cod.</td><td>6.61.0Z100</td><td>6.61.0Z200</td><td>6.61.0Z300</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

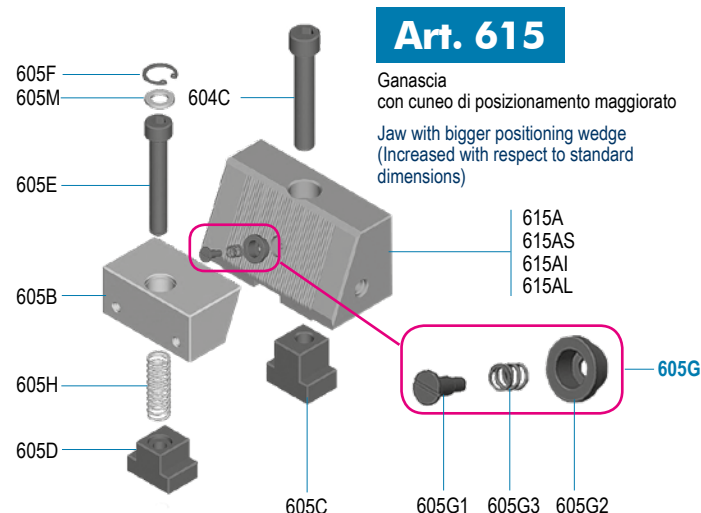
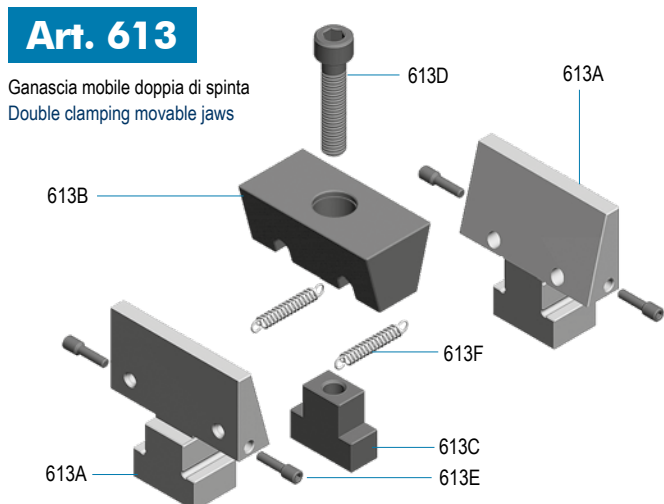


Arresto laterale per allineamento Art.370  
 Workstop for alignment of Art.370

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



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

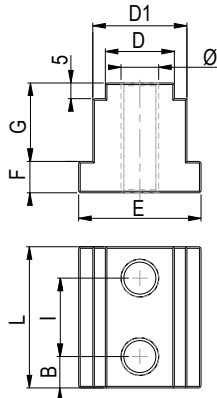
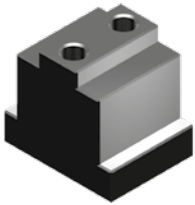


# DADI A "T" PER TRASFORMAZIONI

## "T" NUTS FOR TRANSFORMATIONS

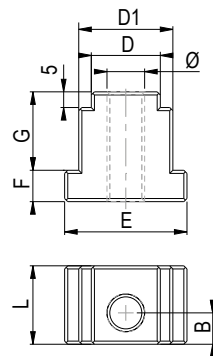
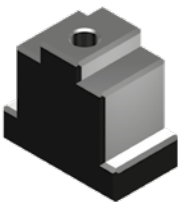
**Tipo (grandezza) / Type (size)**
**Base / Base**  
**Ganascia / Jaw**
**Tipo - Type 2**  
**Tipo - Type 1**
**Tipo - Type 3**  
**Tipo - Type 1**
**Tipo - Type 3**  
**Tipo - Type 2**

### Art. 604B

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


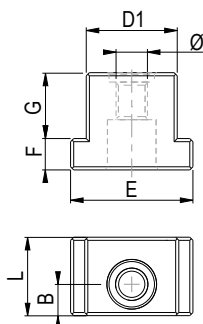
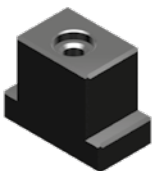
B	6	6	10
D	14	14	22
D1	22	30	30
E	34	39	39
F	10	10	10
G	19	25	25
I	18	18	25
L	30	30	45
Ø	M8	M8	M12
Cod	6.60.4B100/2	6.60.4B100/3	6.60.4B200/3

### 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	10	10	10
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

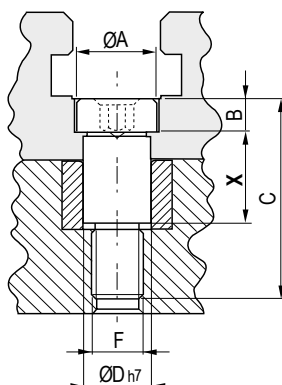
### Art. 605D

 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	10	10	10
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**

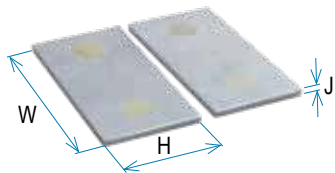
### Art. 81

 Vite calibrata a colletto  
 per morse Multiflex  
 Shoulder calibrated screw  
 for Multiflex vises

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

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	6.81.21640	6.81.21650

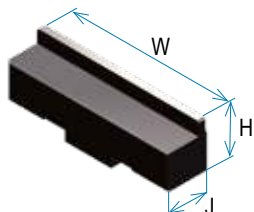
**N.B:** Per avere altre lunghezze consultare Pag.11.15 - For other lengths see Page.11.15

**Tipo (grandezza) morsa / Vise type (size)**
**1**
**2**
**3**
**Art. 616**

 Coppia di piastre parallele magnetiche piane  
 Pair of straight parallels magnetic plates


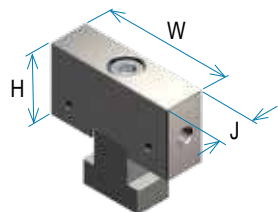
J	2,7	2,7	2,7
W	49	74	99
H	20	35	55
Cod.	6.61.61000	6.61.62000	6.61.63000

**Art. 617**

 Piastra magnetica a gradino monoblocco  
 Magnetic solid step jaw plate


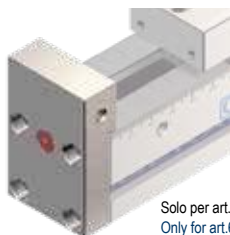
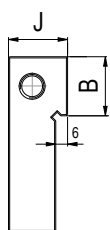
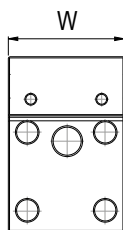
J	12	17	22
W	49	74	99
H	20	35	55
Cod.	6.61.71020	6.61.72035	6.61.73055

**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

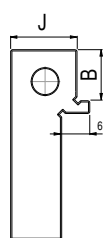
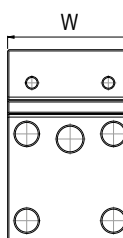
**Art. 604R**

 Piastra ganascia fissa di partenza  
 Fixed start jaw plate

 Solo per art.600 e 611  
 Only for art.600 and 611

**PER UNA MAGGIORE APERTURA  
 FOR MORE OPENING**

W	49	74	99
J	25	30	35
B	25	40	60
Cod	6.60.4R100	6.60.4R200	6.60.4R300

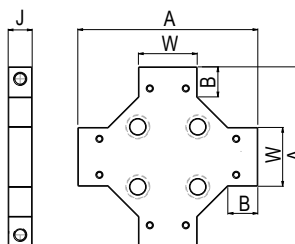
**Art. 608R**

 Piastra ganascia fissa di partenza con gradino  
 Fixed start jaw plate with step

 Solo per art.606  
 Only for art.606

**PER UNA MAGGIORE APERTURA  
 FOR MORE OPENING**

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


*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. 6.27 - Referring to the cube you are using, choose dimension "A", see Art.603 page. 6.27

# SERRAGGIO A CUNEO DISCENDENTE

## JAWS WEDGE CLAMP

Tipo (grandezza) / Type (size)		1	2	3
	kN	15	30	60

### Art.723A NEW!

Sistema di serraggio a cuneo discendente con ganasce lisce  
 Smooth jaws wedge clamp



J min + max	27 ÷ 32	42 ÷ 49	57 ÷ 66
Cod.	6.72.3A100	6.72.3A200	6.72.3A300

\* Arresto laterale a richiesta Workstop on request

### Art.723B NEW!

Sistema di serraggio a cuneo discendente con ganasce zigrinate  
 Serrated jaws wedge clamp



J min + max	27 ÷ 32	42 ÷ 49	57 ÷ 66
Cod.	6.72.3B100	6.72.3B200	6.72.3B300

\* Arresto laterale a richiesta Workstop on request

### Art.723C NEW!

Sistema di serraggio a cuneo discendente con ganasce lavorabili  
 Soft machineable jaw clamping wedge

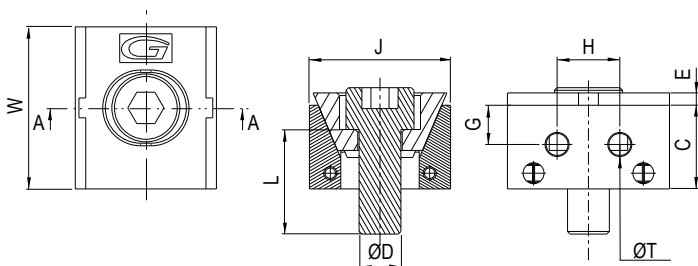


J min + max	33 ÷ 38	52 ÷ 59	67 ÷ 76
Cod.	6.72.3C100	6.72.3C200	6.72.3C300

\* Arresto laterale a richiesta Workstop on request

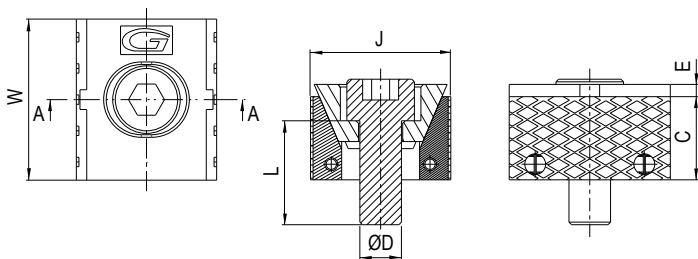
Tipo (grandezza) / Type (size)		1	2	3
--------------------------------	--	---	---	---

#### Art. 723A



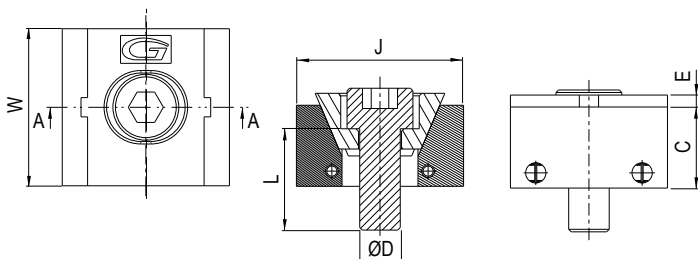
W	31	42	58
C	16	23	30
ØD	M8	M12	M16
E	2	3,5	4
G	7,5	11,5	15
H	12	18	26
J	27 ÷ 32	42 ÷ 49	57 ÷ 66
L	20	30	35
ØT		M5	

#### Art. 723B



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

#### Art. 723C



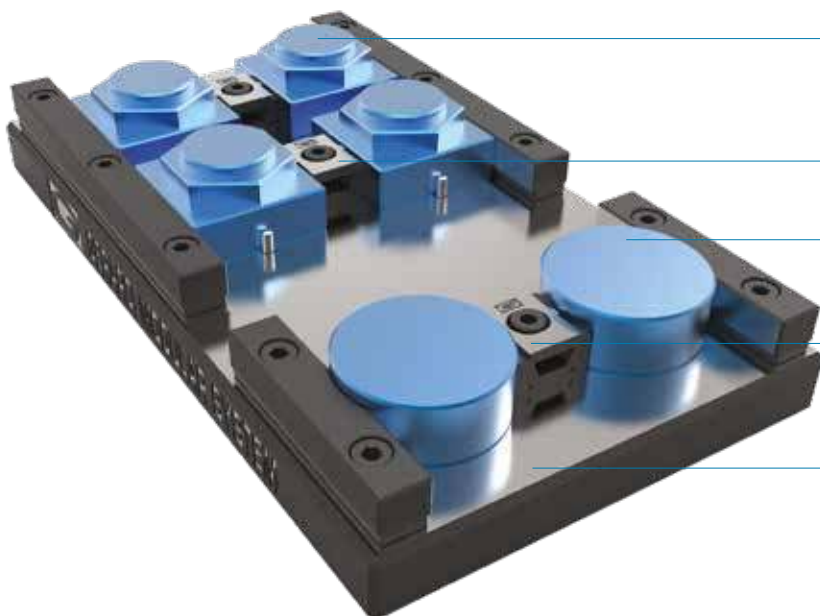
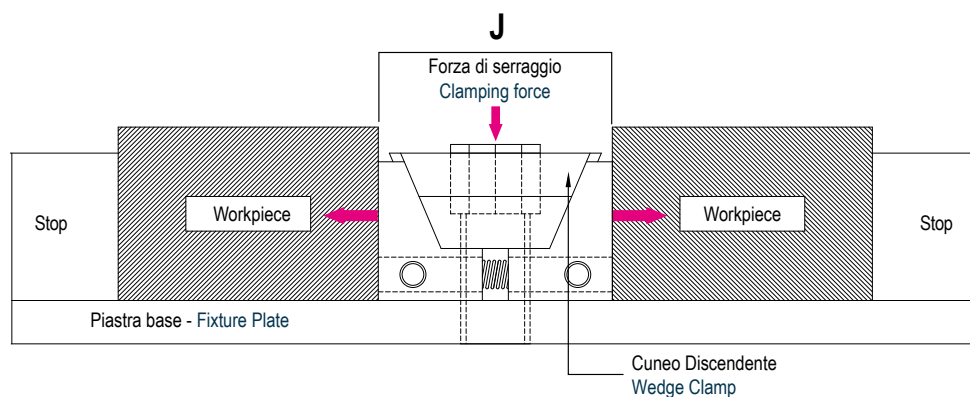
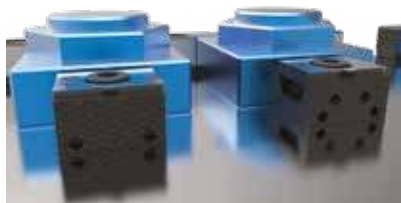
W	31	42	58
C	16	23	30
ØD	M8	M12	M16
E	2	3,5	4
J	33 ÷ 38	52 ÷ 59	67 ÷ 76
L	20	30	35

6

# SERRAGGIO A CUNEO DISCENDENTE

## JAWS WEDGE CLAMP

Tipo (grandezza) / Type (size)		1			2			3		
<b>Art. 723A</b>		J			J			J		
min.	Valore consigliato Value suggested	max.		min.	Valore consigliato Value suggested	max.	min.	Valore consigliato Value suggested	max.	
27	29÷30	32		42	45÷46	49	57	61÷63	66	
<b>Art. 723B</b>		J			J			J		
min.	Valore consigliato Value suggested	max.		min.	Valore consigliato Value suggested	max.	min.	Valore consigliato Value suggested	max.	
27	29÷30	32		42	45÷46	49	57	61÷63	66	
<b>Art. 723C</b>		J			J			J		
min.	Valore consigliato Value suggested	max.		min.	Valore consigliato Value suggested	max.	min.	Valore consigliato Value suggested	max.	
33	35÷36	38		52	55÷56	59	67	71÷73	76	



Pezzi da lavorare  
Workpieces

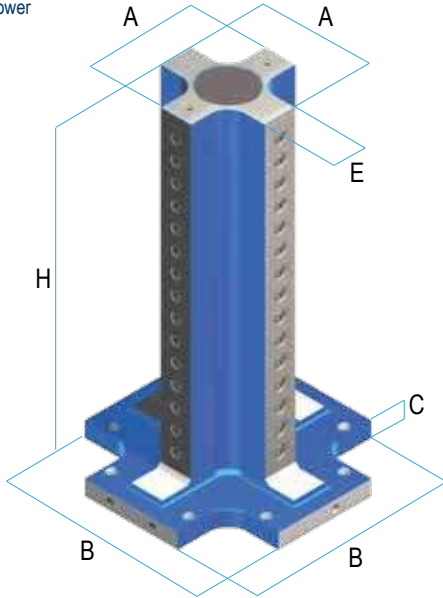
Cuneo discendente Art.723A  
Wedge clamp Art.723A

Pezzo da lavorare con forma inusuale  
Unusual shape workpiece

Cuneo discendente con  
ganasce lavorabili Art.723C  
Machineable wedge  
clamp Art.723C

Piastra base  
Fixture 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.F.40150		8.57.F00150	

**Art. 57F 40    Art. 57F 50**

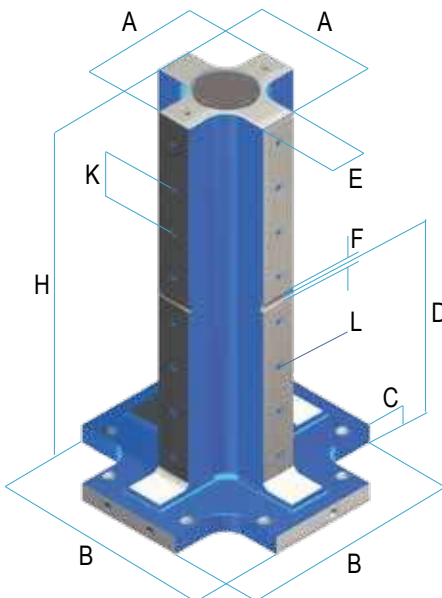
 Croce a reticolo con bussole temprate 100Cr6  
 e filetti riportati in acciaio inox  
 Tolleranza  $\pm 0,02$  mm

- Interasse reticolo 40 mm =  $\varnothing 12 / M10$
- Interasse reticolo 50 mm =  $\varnothing 16 / M12$

 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

 Montaggio ed allineamento morse tramite fissaggio centrale  
 Vise mounting and alignment through central screws

 Montaggio ed allineamento morse tramite staffe  
 Vise mounting and alignment through vise holding clamps

 (Vedi pag. 8.9)  
 (See pag. 8.9)



# SERRAGGIO MECCANICO CON CHIAVE DINAMOMETRICA

## MECHANICAL CLAMPING WITH TORQUE WRENCH



### GRUPPI DI SERRAGGIO MECCANICI

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

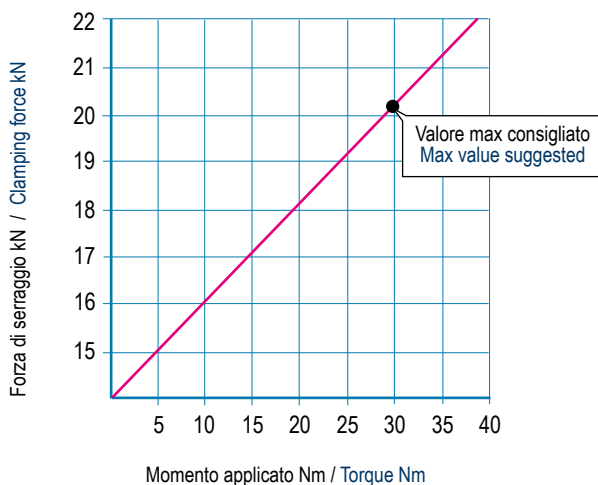
### MECHANICAL CLAMPING DEVICES

The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 3) as a function of wrenching force/torque

### MORSE MULTIFLEX TIPO 1

#### MULTIFLEX VISES TYPE 1

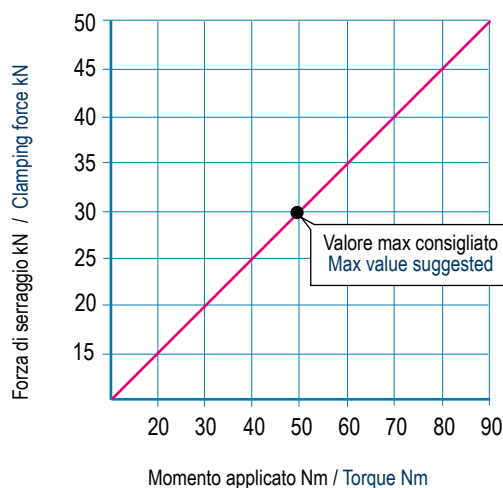
Cuneo di spinta:  
**Momento massimo applicato 40Nm**  
 Clamping wedge: **Torque 40Nm**



### MORSE MULTIFLEX TIPO 2

#### MULTIFLEX VISES TYPE 2

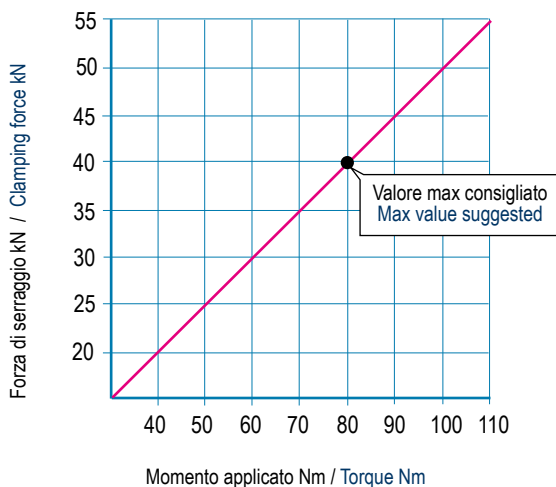
Cuneo di spinta:  
**Momento massimo applicato 120Nm**  
 Clamping wedge: **Torque 120Nm**



### MORSE MULTIFLEX TIPO 3

#### MULTIFLEX VISES TYPE 3

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



NB: Alcuni fattori, come la lubrificazione, lo staffaggio della morsa sulla tavola della macchina, 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, vise 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.

# DIVISORE AUTOMATICO DPG 250

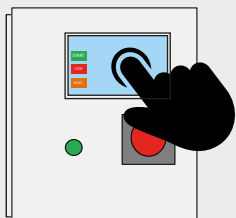
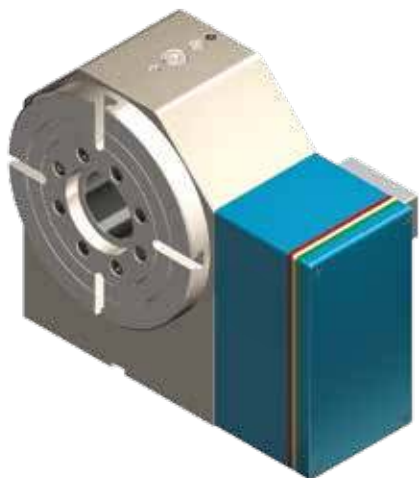
## AUTOMATIC DIVIDING HEAD DPG 250

**NEW!**

**Divisore automatico**  
Automatic dividing head

**Dati tecnici**  
Technical Data

### DPG 250



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

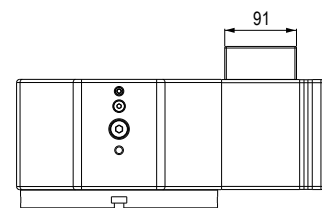
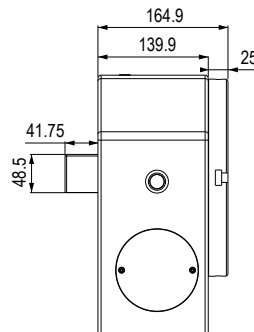
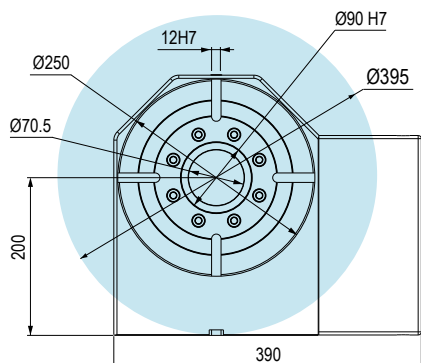
**EASY AND INTUITIVE TOUCH SCREEN**  
PROGRAMMING OR THROUGH DIRECT CONNECTION TO THE CNC

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

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

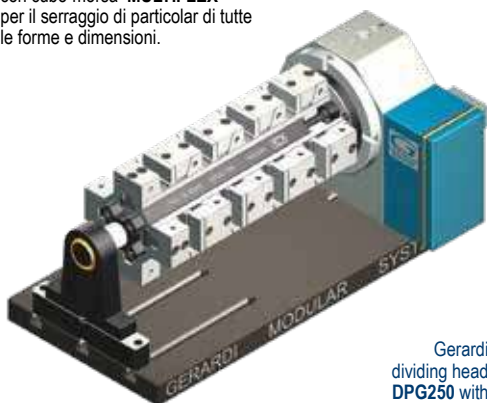
Diametro del divisore Dividing head diameter		250 mm
Diametro del foro passante Clearance hole diameter		70,5 mm
Altezza punta Center height		200 mm
Dimensione della scanalatura a T T-Slot width		12 mm
Sistema di bloccaggio Clamping system		Idrraulico Hydraulic
Forza frenante Clamping torque		3000 Nm
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
Max. carico di spinta applicabile sul divisore Max. allowable tool load on the dividing head		N 25000
		FxL Nm 1000
		FxL Nm 2200
Rapporti vite/corona Speed reduction ratio (screw/gear)	Verticale Vertical	10,5 Kg. m <sup>2</sup>
Coppia in lavoro Driving torque	Corona dentata Worm gear	698 Nm
Kg		110
Cod.		8.DP.G2500

### DPG 250



Tipo (grandezza) morsa / Vise type (size)	1					2				
C <sup>-0</sup> <sub>-0,02</sub>	100					150				
D	300	400	500	600	700	400	500	600	700	
G <sup>-0</sup> <sub>-0,02</sub>	50					75				
Ø I <sup>H7</sup>	25					50				
L <sup>-0</sup> <sub>-0,02</sub>	20					20				
Cod.	6.DPG25000	6.DPG25010	6.DPG25020	6.DPG25030	6.DPG25040	6.DPG25050	6.DPG25060	6.DPG25070	6.DPG25080	

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



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

**UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !**
**Art. 99A**

Supporto Support



Cod. 7.99.A1000

**Art. 99B**

Perno di centraggio orizzontale Horizontal centering pin



Cod. 6.99.B1000 6.99.B2000

**Art. 99H**

Distanziale Spacer



Cod. 6.99.H1000

**Art. 62**

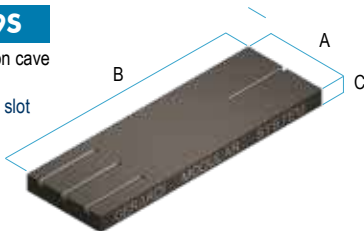
Piastra di interfaccia MULTIFLEX per DPG 250 MULTIFLEX connecting plate for DPG 250



Cod. 6.62.603A08 6.62.603A09

**Art. 99S**

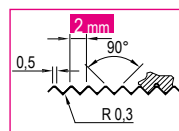
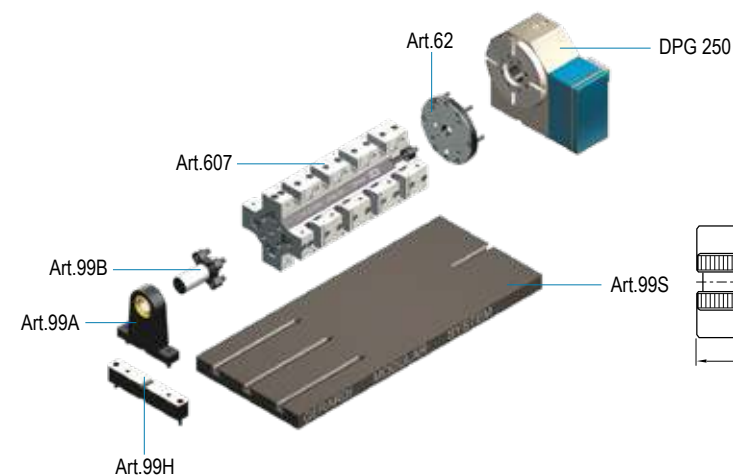
Piastra base con cave  
Piani rettificati  
Base plate with slot  
Faces ground



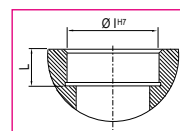
Dimensioni B mm Dimension B mm	A	C	Kg	Cod.
600	400	50	94	7.99.S060S
800	400	50	125	7.99.S080S
1000	400	50	156	7.99.S100S

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

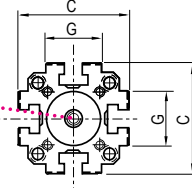
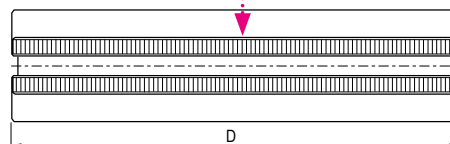
Disponibili quote "B" a step di 50mm - Available dimension "B" in steps of 50mm



2 mm =  
Passo delle righe  
Rows pitch



Foro di centraggio  
Centering hole



# DIVISORE MECCANICO DIVIGER 205

## MECHANICAL DIVIDING HEAD DIVIGER 205


**NEW!**

**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

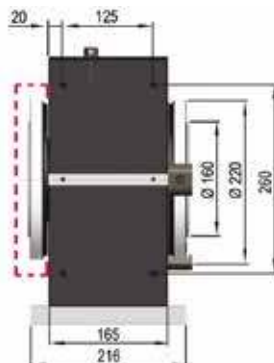
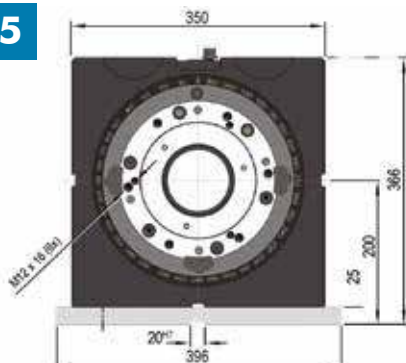
DIVISORE MECCANICO, SENZA CAVI O IDRAULICA,  
PERMACCHINE A CNC

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

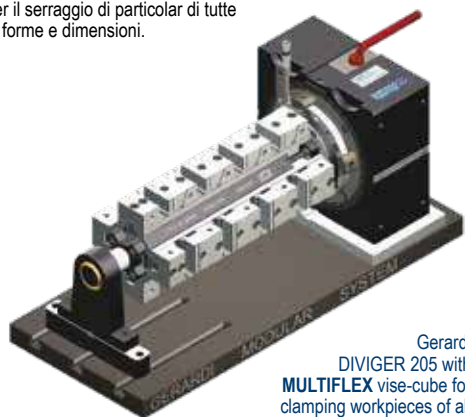


### DIVIGER 205



**Tipo (grandezza) morsa / Vise type (size)**

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



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

	1					2			
C <sup>-0</sup> / <sub>-0,02</sub>	100					150			
D	300	400	500	600	700	400	500	600	700
G <sup>-0</sup> / <sub>-0,02</sub>	50					75			
Ø I <sup>H7</sup>	25					50			
L <sup>-0</sup> / <sub>-0,02</sub>	20					20			
Cod.	6.D1.V20500	6.D1.V20510	6.D1.V20520	6.D1.V20530	6.D1.V20540	6.D1.V20550	6.D1.V20560	6.D1.V20570	6.D1.V20580

**UPGRADE YOUR VISE APPLICATIONS THROUGH MODULAR ACCESSORIES !**
**Art. 99A**

Supporto  
Support



Cod. 7.99.A1000

**Art. 99B**

Perno di centraggio orizzontale  
Horizontal centering pin



Cod. 6.99.B1000 6.99.B2000

**Art. 99H**

Distanziale  
Spacer



Cod. 6.99.H1000

**Art. 62**

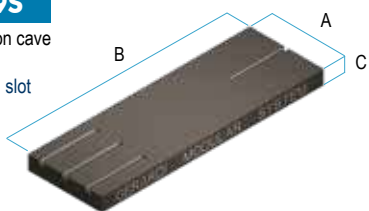
Piastra di interfaccia MULTIFLEX per DIVIGER 205  
MULTIFLEX connecting plate for DIVIGER 205



Cod. 6.62.603A08 6.62.603A09

**Art. 99S**

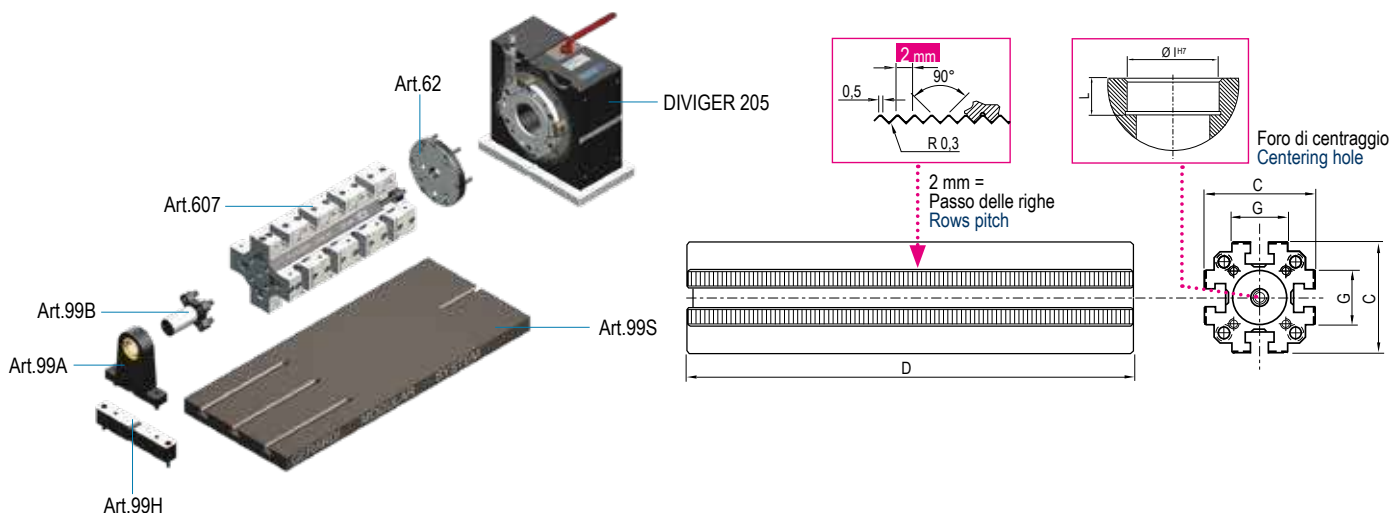
Piastra base con cave  
Piani rettificati  
Base plate with slot  
Faces ground



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

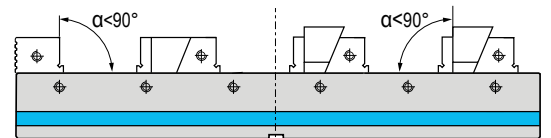
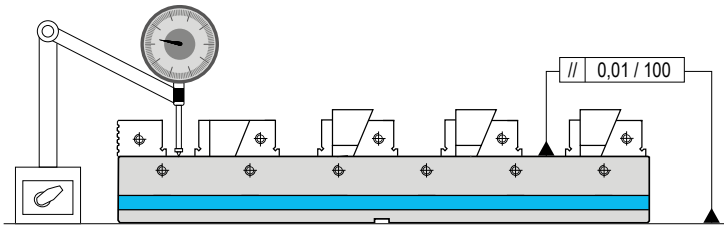
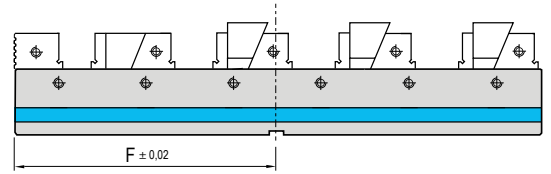
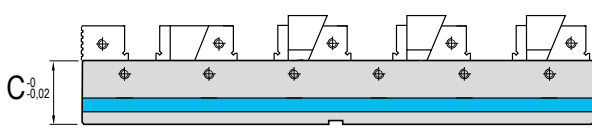
Cave o fori calibrati su richiesta  
Slot or calibrated holes on request

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



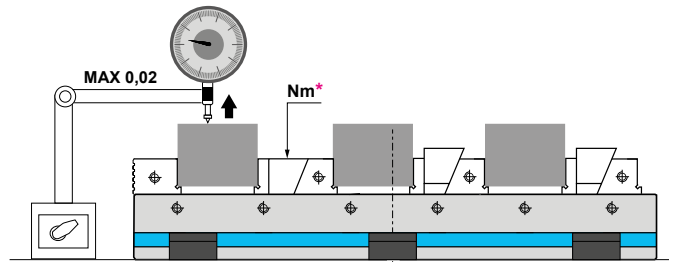
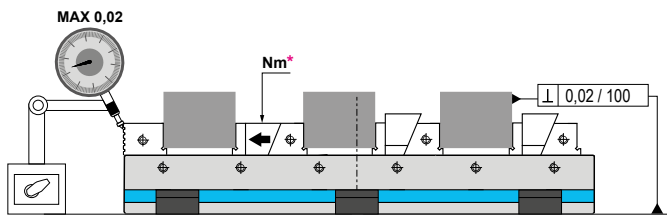
# TOLLERANZE GEOMETRICHE

## GEOMETRIC ACCURACIES



# TOLLERANZE DINAMICHE

## DYNAMIC ACCURACIES



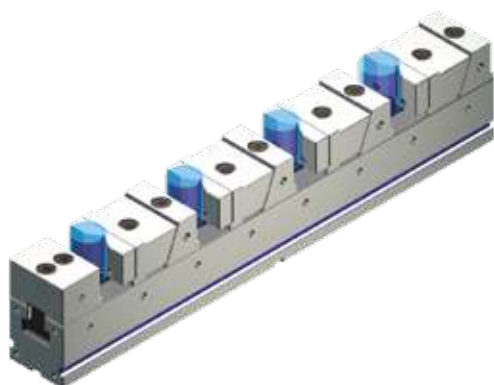
Morsa ancorata con 2 coppie di staffe Art. 296 / Vise clamped with n. 2 pairs of Art. 296

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

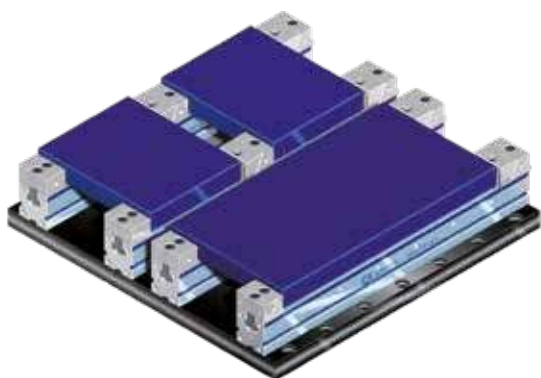
1 kgf . m = 9.806 Nm

## ESEMPI APPLICATIVI

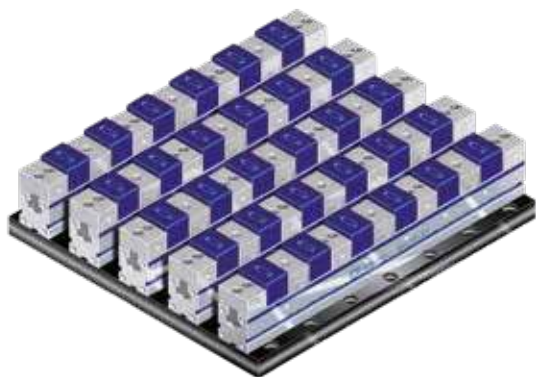
### APPLICATIONS EXAMPLES



Morsa **Art. 606** con piastrine prismatiche  
**Art. 610F** per serraggio pezzi tondi  
 Vise **Art. 606** with prismatic jaw plates  
**Art 610F** for round workpieces clamping



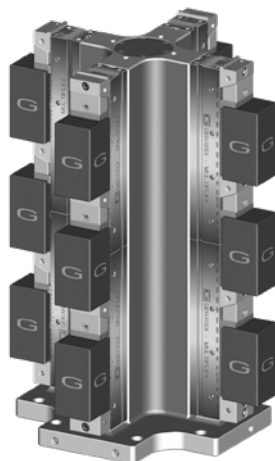
Esempio di applicazione di 4 morse **MULTIFLEX**  
 su sovratavola per diversi tipi di serraggio e lavorazione  
 4 **MULTIFLEX** vises assembled on head plate  
 for different workpieces clamping and machining



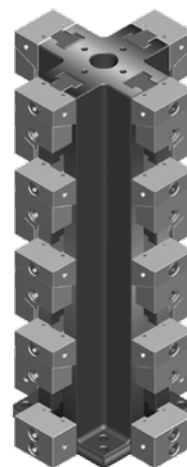
Esempio di applicazione di 5 morse **MULTIFLEX**  
 su sovratavola per serraggio di 30 pezzi  
 5 **MULTIFLEX** vises on head plate  
 for 30 workpieces clamping



Cubo a croce **Art. 57G** con  
 vari tipi di morse Gerardi  
 Crosscube **Art. 57G** with various  
 Gerardi vises assembled on



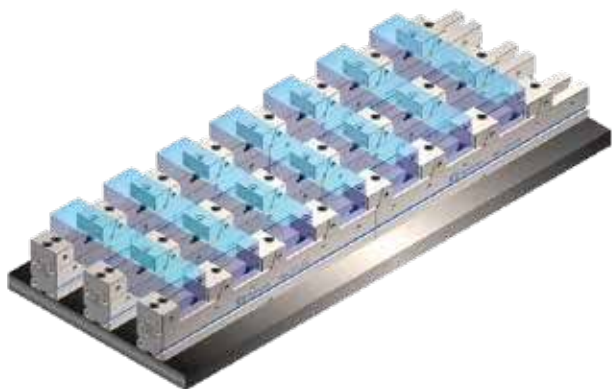
Cubo a croce **Art. 57G** con morse Multiflex  
 Crosscube **Art. 57G** with Multiflex vises



Cubo multiflex **Art. 602** con piastra base integrale  
 Crosscube **Art. 602** with solid base

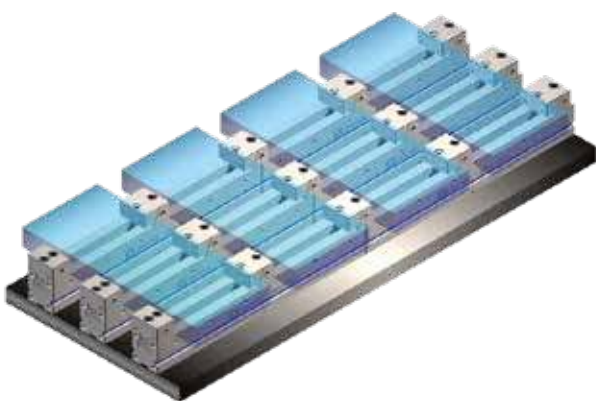
## ESEMPI APPLICATIVI

### APPLICATION EXAMPLES



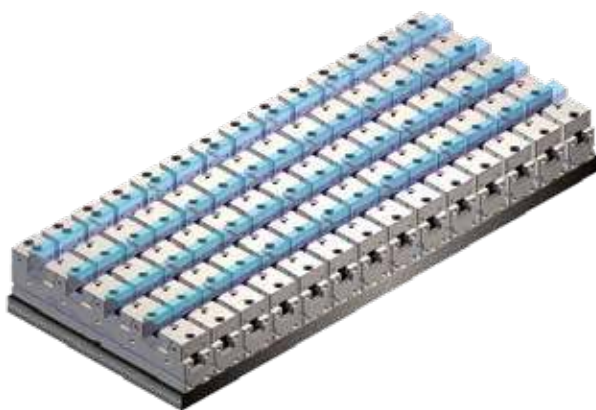
#### IN LINEA - IN LINE

n.6 Morse **MULTIFLEX Art.600** tipo 2x600,  
per il serraggio di 7 pezzi di dimensioni 80x360  
# 6 **MULTIFLEX** vises **Art.600** type 2x600,  
for 7 workpieces clamping 80x360



#### IN LINEA - IN LINE

n.6 Morse **MULTIFLEX Art.600** tipo 2x600,  
per il serraggio di 4 pezzi di dimensioni 250x500  
# 6 **MULTIFLEX** vises **Art.600** type 2x600,  
for 4 workpieces clamping 250x500



#### IN PARALLELO - PARALLEL

n.14 Morse **MULTIFLEX Art.600** tipo 2x500,  
per il serraggio di 28 pezzi di dimensioni 160x40  
# 14 **MULTIFLEX** vises **Art.600** type 2x500,  
for 28 workpieces clamping 160x40



n.14 Morse **MULTIFLEX Art.600** tipo 2x500,  
per il serraggio di 14 pezzi di dimensioni 80x360  
# 14 **MULTIFLEX** vises **Art.600** type 2x500,  
for 14 workpieces clamping 80x360