

4

Parallel plates, stack type, special jaws and spindle clamping devices

STD - StandardFLEX - XL

Parti di ricambio / *Spare Parts*

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VALIGETTA DI CAMPIONATURA STD / StdFLEX
SAMPLE KIT CASE STD / StdFLEX

Art. 981



Morsa / Vise Art. 1	
Cod.	0.98.10000
PRICE LIST €	

Art. 1 - All'Interno - Inside:



Art. 985



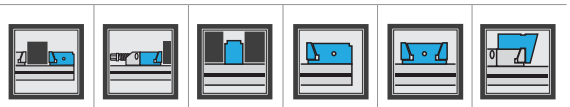
Morsa / Vise Art. 1A	
Cod.	0.98.50000
PRICE LIST €	

Art. 1 - All'Interno - Inside:



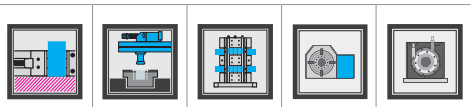
SIMBOLOGIA DATI TECNICI
TECHNICAL DATA ICONS

GANASCE / JAWS



Fissa / Fixed
Mobile / Movable
Intermedia / Intermediate
Fissa con piastra singola / Fixed with single plate
Fissa con piastra doppia / Fixed with double plate
Ganasce sovrappo-nibili / Stack Type Jaws

POSSIBILITÀ / POSSIBILITY



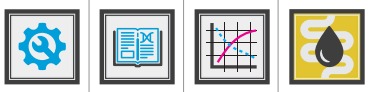
Montaggio sul fianco o in serie / Side moun-ting or gang operation
Predisposi-zione Zero Point / Zero Point ready
Cubi-morsa / Vise tower
Divisore Automatico / Automatic dividing head
Divisore Meccanico / Mechanical dividing head

PIASTRE GANASCE / JAW PLATES



Discendente / Pull down
Piana / Straight
Cambio ra-pido manuale / Quick manu-al change
StandardFLEX
GRIP integrale / integral GRIP
Inserti GRIP / GRIP Inserts

PAGINE / PAGES



Accessori & Ricambi / Accessories & Spare Parts
Istruzioni corretto utilizzo / Instruction for a proper use
Diagrammi forze di serraggio / Clamping force diagrams
Sistema Idraulico / Hydraulic System

OPZIONI LAVORAZIONI EXTRA
OPTIONS FOR EXTRA MACHINING

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

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

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

4

Parti di ricambio / Spare parts

STD / StdFLEX / XL

Un ampia scelta di componenti ed accessori modulari !

Wide range of components and modular accessories !

USURA INESISTENTE / NO WEAR

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

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

MODULARITÀ / MODULARITY

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

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

DESIGN COMPATTO / SPACE SAVING DESIGN

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

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

SERRAGGI RAPIDI / QUICK CLAMPING

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

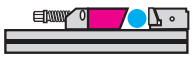
Thanks to the clamping device sliding in the vise base slide (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Besides the manual mechanic system, 4 further interchangeable and independent clamping systems are available: 1- Hydraulic / 2- Pneumatic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



Art.131 / 138 / 150

Ganasce Sovrapponibili

Stack type jaws



Art.210

Ganasce mobili guidate monoblocco per pezzi tondi

Solid guided movable jaws for round workpieces



Art.132 / 133

Prolunga per ganasce mobili e fisse

Extension for movable and fixed jaws



Art.212

Ganascia mobile intermedia con doppio gradino

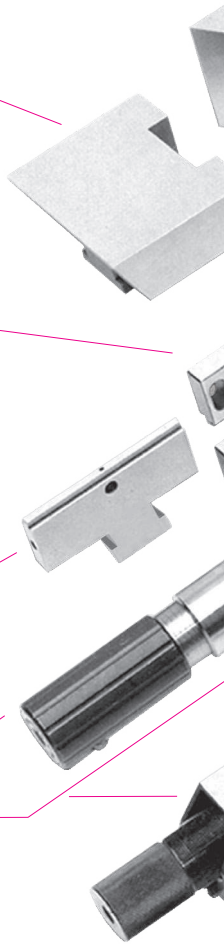
Intermediate movable jaws with double step



Art.257 / 258 / 271

Gruppi di serraggio

Spindle clamping devices



Sicuramente uno dei punti di forza del sistema modulare GERARDI consiste nell'amplissima scelta di componentistica ed accessori nonché nel continuo investimento e sviluppo nei più avanzati concetti e soluzioni originali. Il programma che viene presentato nelle pagine seguenti fa parte di un sistema modulare di bloccaggio fra i più ampi e completi a livello mondiale che permette realmente di trasformare in standard ciò che sembrerebbe essere speciale (oltre 1000 articoli moltiplicati per 6 grandezze diverse). Il segreto di tutto ciò sta proprio nella modularità del sistema che consente (con l'aggiunta di alcuni componenti) una più ampia gamma di impieghi.

One of the biggest point of strength of GERARDI modular system lies in the broadest assortment program of components and accessories and also in the continuous investment and development of the most advanced concepts and original solutions. The range of items shown in the following pages is part of a modular workholding system among the widest and complete in the world. So, any holding and clamping issue You ever have, You can solve it with Gerardi standard modular products. The secret lies just in the modularity of the system which allows (choosing different components) a wider range of solutions.

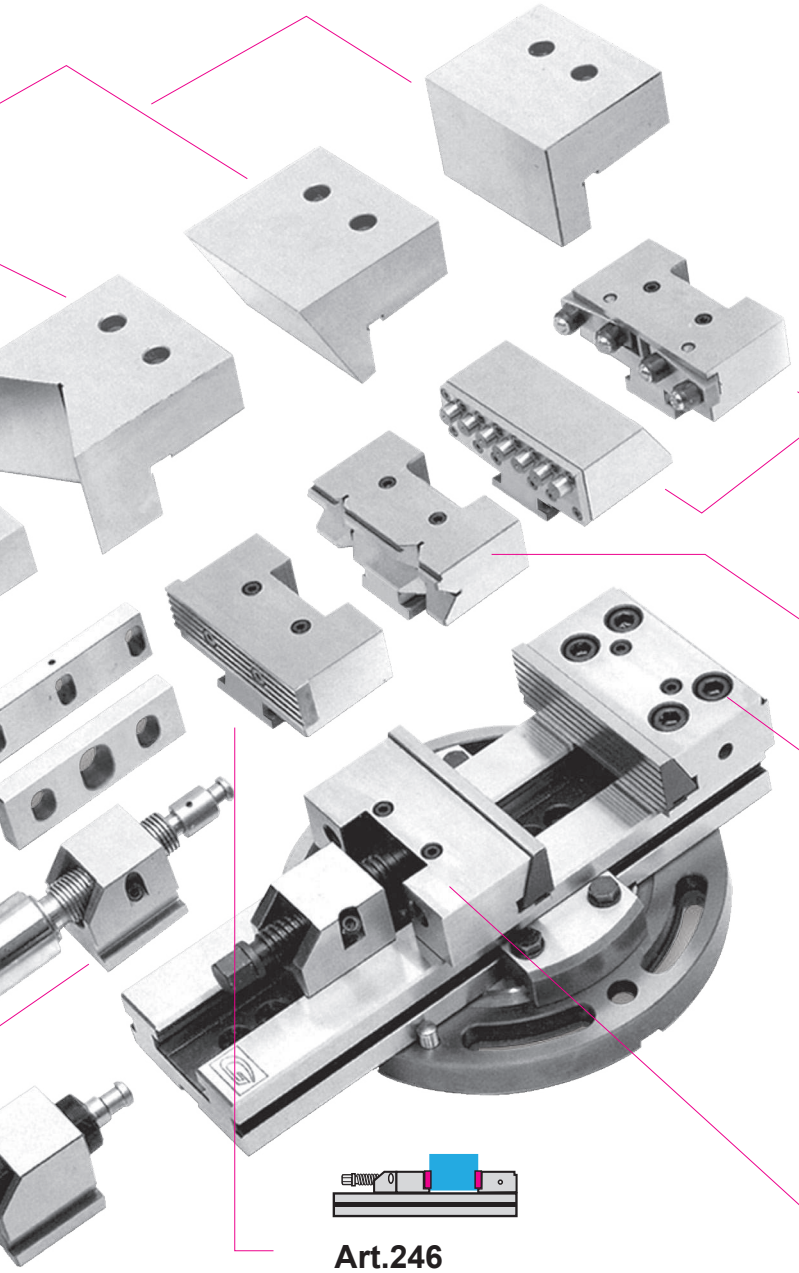
SCAN IT TO SEE

THE WEB PAGE

5 YEARS WARRANTY

Parallele, ganasce sovrapponibili, speciali e gruppi di serraggio intercambiabili

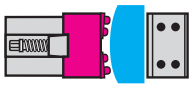
Parallel plates, stack type & special jaws and interchangeable clamping devices



Art.246

Ganasce mobili guidate monoblocco con piastre piane

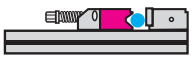
Solid guided movable jaw with straight plates



Art.190 / 188

Ganasce mobili guidate monoblocco

Solid guided movable jaws



Art.217

Ganasce mobili guidate monoblocco prismatiche (per serraggio pezzi piatti e tondi)

Solid guided movable prismatic jaws (for plates & round workpieces clamping)



Art.120

Le ganasce fisse monoblocco consentono, una volta ruotate di 180°, il perfetto accopiamento al gradino della ganascia prismatica mobile (Art. 217) ordinabile separatamente.

The solid standard fixed jaws with 5x5 mm back steps are matchable, if turned of 180°, to the prismatic movable jaw (Art.217) to be ordered separately.



Art.127

Ganascia mobili guidate monoblocco costruite con un angolo di spinta verso il basso.

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

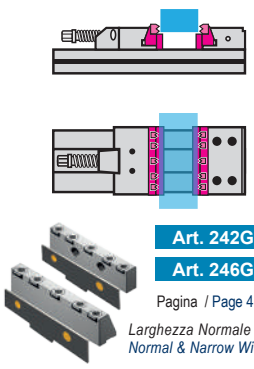
4

Parti di ricambio / Spare parts

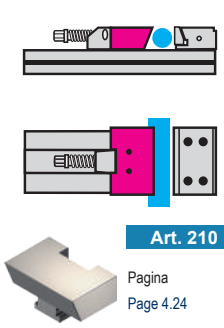
Standard / StdFLEX / XL

Piastre ganasce discendenti intercambiabili manualmente

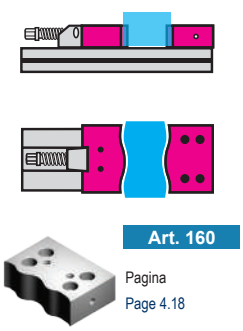
Pull down jaws plates interchangeable by hand



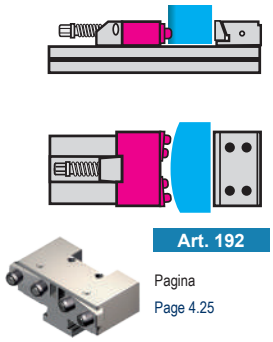
Art. 242G
Art. 246G
Pagina / Page 4.14
Larghezza Normale e Ridotta
Normal & Narrow Width



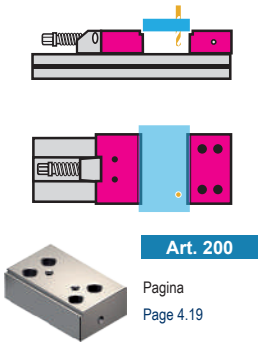
Art. 210
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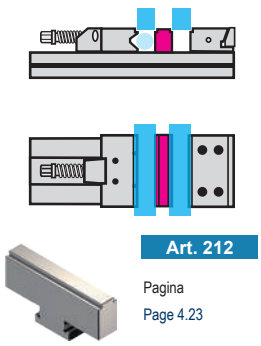
Art. 160
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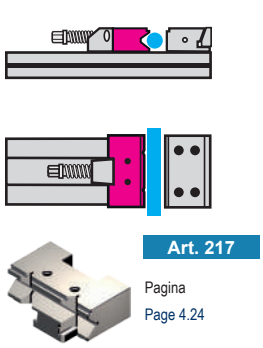
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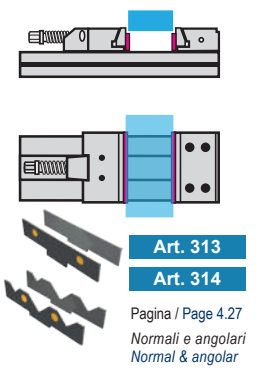
Art. 200
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Art. 212
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Art. 217
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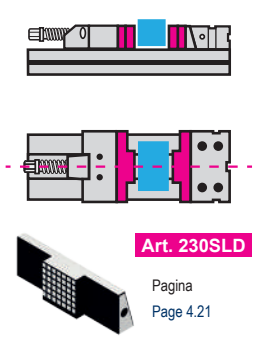


Art. 313
Art. 314
Pagina / Page 4.27
Normali e angolari
Normal & angolar

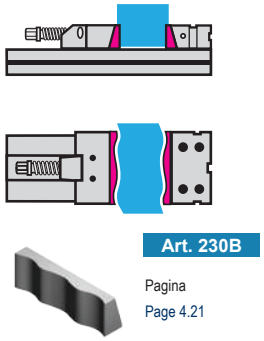
PIASTRE GANASCE COMPATIBILI SOLO CON MORSE STDFLEX

JAW PLATES COMPATIBLE ONLY WITH STDFLEX VISES

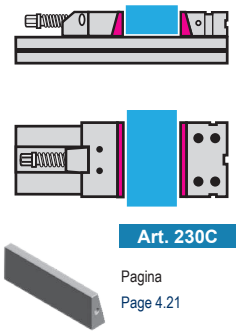




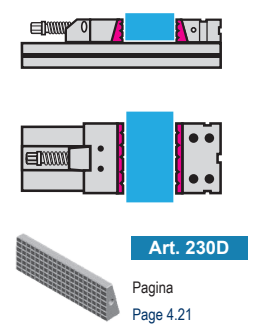
Art. 230SLD
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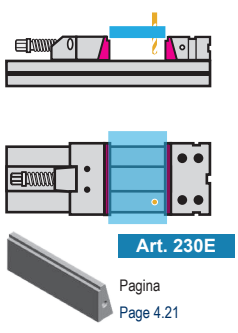
Art. 230B
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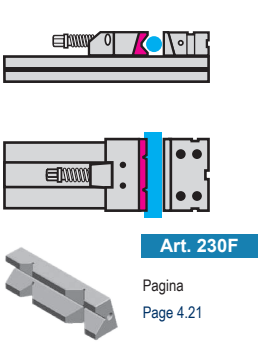
Art. 230C
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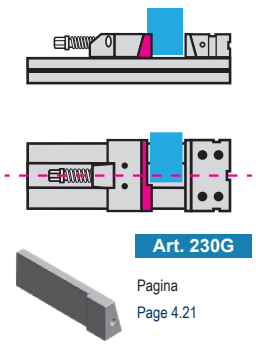
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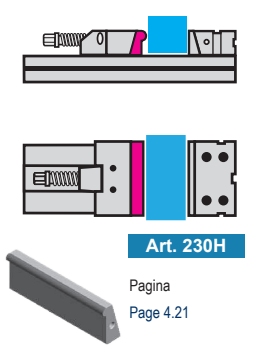
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Pagina
Page 4.21



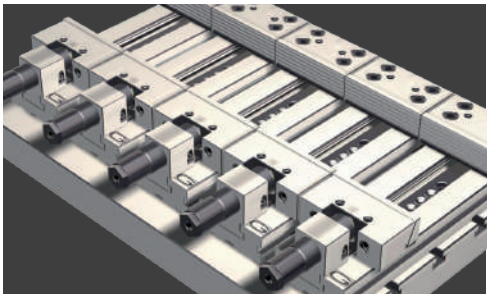
Art. 230H
Pagina
Page 4.21

Soluzioni personalizzate / Customized solutions

Standard / StdFLEX / XL

Soluzioni personalizzate a tutti i vostri problemi di serraggio

Customized solutions for all your clamping problems

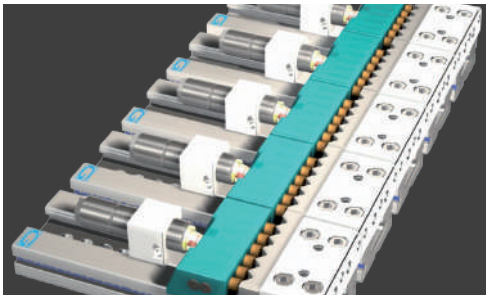


Serraggi idraulici

Hydraulic clamping

Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli idraulici

Precision Modular vises matchable for gang operations and hydraulic clamping

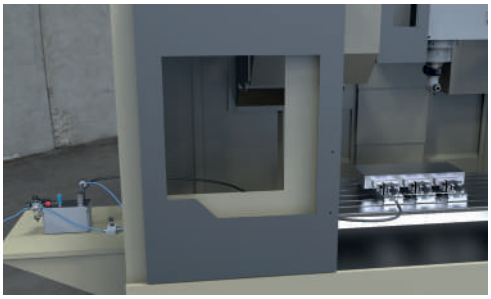


Serraggi multipli

Multiple clamping

Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli idraulici con ganasce speciali oleodinamiche interfacciate a piastre ganasce con inserti prismatici

Matchable and alignable precision modular vises for multiple hydraulic clamping through special hydraulic jaws interfaced to prismatic inserts jaw plates.

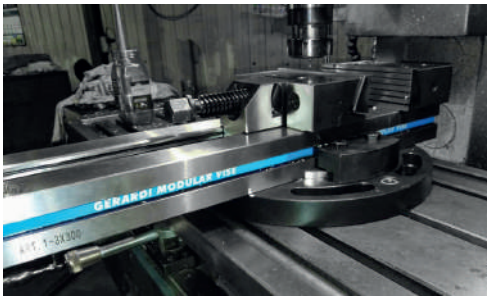


Morse StandardMatic

StandardMatic vises

Morse StandardMatic montate in serie su centro di lavoro vericale

StandardMatic vises series mounted on vertical machining centres

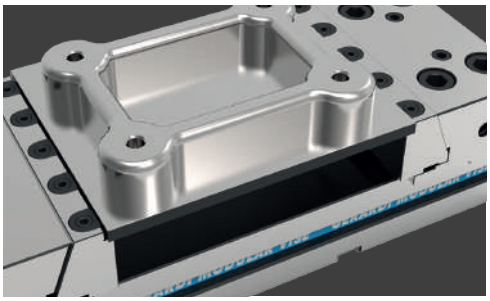


Art.2

Art.2

Morse Standard Art.1 montate con base girevole graduata su centro di lavoro verticale, per una maggiore verstilitità su 360°

Standard vise Art.1 mounted with graduated swivel base on vertical machining centre for a greatest versatility 360°



Ganasce con inserti Grip

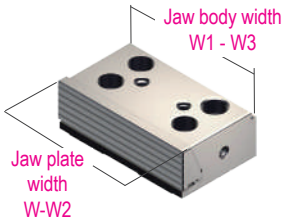
Insert Grip jaw plate

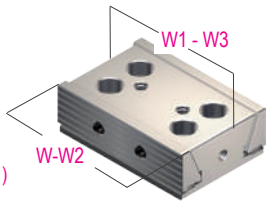
Morsa Standard con piastre ganasce a gradino con inserti Grip per un serraggio più efficace

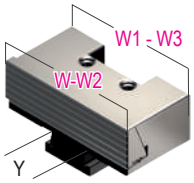
Standard vise equipped with insert grip step jaw plate for more effective workpiece clamping

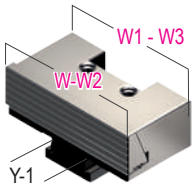
GANASCE STANDARD / STANDARD JAWS

Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 120 Ganascia fissa. **Larghezza normale** (W) - (W3) Fixed jaw. **Normal width** (W) - (W3)	Cod.	2.12.01000	2.12.02000	2.12.03000	2.12.04000	2.12.05000	2.12.06000
	€	164	208	248	291	414	636
Art. 121 Ganascia fissa. **Larghezza ridotta** rettificata (W2) - (W1) Fixed jaw. **Narrow width** ground (W2) - (W1)	Cod.	2.12.11000	2.12.12000	2.12.13000	2.12.14000	2.12.15000	2.12.16000
	€	211	267	321	377	537	827
Art. 123 Ganascia fissa doppia. **Larghezza normale** (W) - (W3) Double fixed jaw. **Normal width** (W) - (W3)	Cod.	2.12.31000	2.12.32000	2.12.33000	2.12.34000	2.12.35000	2.12.36000
	€	220	303	367	431	636	951
Art. 124 Ganascia fissa doppia. **Larghezza ridotta** rettificata (W2) - (W1) Double fixed jaw. **Narrow width** ground (W2) - (W1)	Cod.	2.12.41000	2.12.42000	2.12.43000	2.12.44000	2.12.45000	2.12.46000
	€	282	392	477	557	827	1.235
Art. 127 Ganascia mobile monoblocco guidata.**Larghezza normale** (W) - (W3) Guided movable solid jaw. **Normal width** (W) - (W3)	Cod.	2.12.71000	2.12.72000	2.12.73000	2.12.74000	2.12.75000	2.12.76000
	€	164	208	248	291	414	636
Art. 129 Ganascia mobile monoblocco guidata. **Larghezza ridotta** (W2) - (W1) Guided movable solid jaw. **Narrow width** (W2) - (W1)	Cod.	2.12.91000	2.12.92000	2.12.93000	2.12.94000	2.12.95000	2.12.96000
	€	164	208	248	291	414	636
Art. 126 Ganascia mobile **oscillante**.**Larghezza normale** (W) - (W3) **Floating** movable jaw. **Normal width** (W) - (W3)	Cod.	2.12.61000	2.12.62000	2.12.63000	2.12.64000	2.12.65000	2.12.66000
	€	164	208	248	291	414	636
Art. 128 Ganascia mobile **oscillante**. **Larghezza ridotta** (W2) - (W1) **Floating** movable jaw. **Narrow width** (W2) - (W1)	Cod.	2.12.81000	2.12.82000	2.12.83000	2.12.84000	2.12.85000	2.12.86000
	€	164	208	248	291	414	636

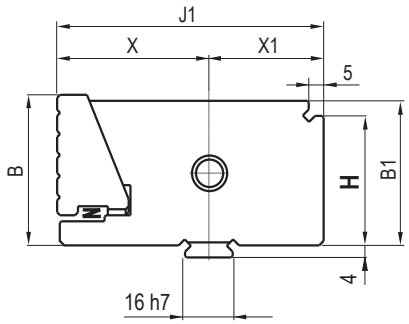




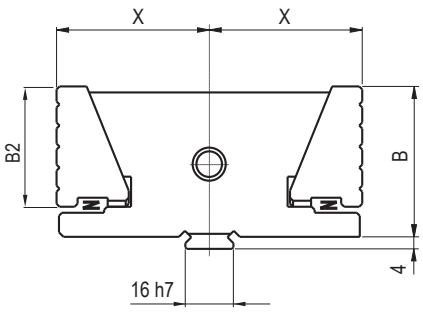




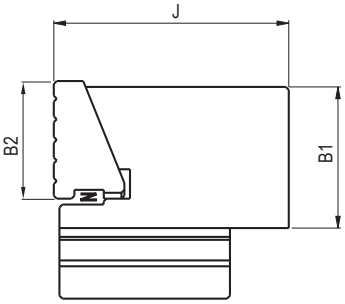
Art. 120



Art. 123



Art. 127



Tipo / Type	1	2	3	4	5	6
W = Jaw plate	100	125	150	175	200	300
W1 = Jaw body	75	95	125	145	170	195
W2 = Jaw plate	74	94	124	144	169	194
W3 = Jaw body	96	121	146	171	196	296
Y	21	28	41	51	61	71
Y - 1	20	27	40	50	60	70
B	30	40	50	60	65	80
B1	28	38	48	58	63	78
B2	24,5	32	40	43	53	63
* H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	38,5	41,5	47	47
J1	77,9	77,9	89,4	96,9	113,4	120,1

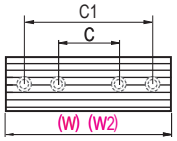
* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

RICAMBI PER GANASCE STANDARD / SPARES FOR STANDARD JAWS

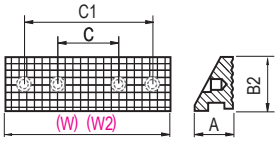
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

PIASTRE TEMPRATE **RIGATE O QUADRETTATE**
HARDENED **GROOVED OR SERRATED** JAW PLATES

Standard



A richiesta / On request **(EXTRA)**



Per qualsiasi piastra ganascia speciale, raddoppiare il prezzo / For special taylor made jaw plate double the price

	1	2	3	4	5	6
W	100	125	150	175	200	300
W2	74	94	124	144	169	194
A	14	20	24	24	29	35
B2	24,5	32	40	43	53	63
C	20	32	50	50	76	90
C1	62	80	90	116	138	184

Art. 230 **Art. 230S**

Per ganascia fissa e mobile - Art. 120, 126, 127 - Larghezza normale (W)
For fixed and movable jaw - Art. 120, 126, 127 - Normal width (W)

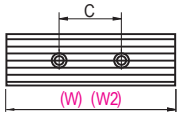
Cod. Art. 230	1.65.10000	1.65.20000	1.65.30000	1.65.40000	1.65.50000	1.65.60000
Cod. Art. 230S	4.23.0S100	4.23.0S200	4.23.0S300	4.23.0S400	4.23.0S500	4.23.0S600

Art. 231 **Art. 231S**

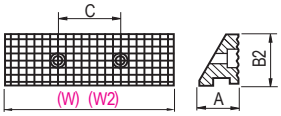
Per ganascia fissa e mobile - Art. 121, 128, 129 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 121, 128, 129 - Narrow width (W2)

Cod. Art. 231	1.65.11000	1.65.21000	1.65.31000	1.65.41000	1.65.51000	1.65.61000
Cod. Art. 231S	4.23.1S100	4.23.1S200	4.23.1S300	4.23.1S400	4.23.1S500	4.23.1S600

Standard



A richiesta / On request **(EXTRA)**



ATTENZIONE - ATTENTION:
IN FASE D'ORDINE VERIFICARE QUOTE **C - C1** - CHECK DIMENSIONS **C - C1** IN CASE OF ORDER

Art. 248 **Art. 248S**

Per ganascia fissa doppia Art. 123 - Larghezza normale (W)
For double fixed jaw Art. 123 - Normal width (W)

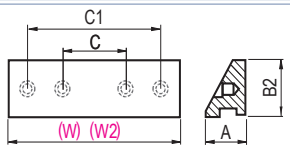
Cod. Art. 248	1.65.14000	1.65.24000	1.65.34000	1.65.44000	1.65.54000	1.65.64000
Cod. Art. 248S	4.24.8S100	4.24.8S200	4.24.8S300	4.24.8S400	4.24.8S500	4.24.8S600

Art. 249 **Art. 249S**

Per ganascia fissa doppia Art. 124 - Larghezza ridotta (W2)
For double fixed jaw Art. 124 - Narrow width (W2)

Cod. Art. 249	1.65.15000	1.65.25000	1.65.35000	1.65.45000	1.65.55000	1.65.65000
Cod. Art. 249S	4.24.9S100	4.24.9S200	4.24.9S300	4.24.9S400	4.24.9S500	4.24.9S600

PIASTRE **LISCE** TEMPRATE
HARDENED **SMOOTH** JAW PLATES



Art. 232

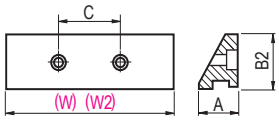
Per ganascia fissa e mobile - Art. 120, 127, 129 - Larghezza normale (W)
For fixed and movable jaw - Art. 120, 127, 129 - Normal width (W)

Cod. Art. 232	1.65.10100	1.65.20100	1.65.30100	1.65.40100	1.65.50100	1.65.60100

Art. 233

Per ganascia fissa e mobile - Art. 121, 128, 129 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 121, 128, 129 - Narrow width (W2)

Cod. Art. 233	1.65.11100	1.65.21100	1.65.31100	1.65.41100	1.65.51100	1.65.61100



Art. 250

Per ganascia fissa doppia Art. 123 - Larghezza normale (W)
For double fixed jaw Art. 123 - Normal width (W)

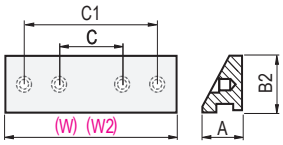
Cod. Art. 250	1.65.14100	1.65.24100	1.65.34100	1.65.44100	1.65.54100	1.65.64100

Art. 251

Per ganascia fissa doppia Art. 124 - Larghezza ridotta (W2)
For double fixed jaw Art. 124 - Narrow width (W2)

Cod. Art. 251	1.65.15100	1.65.25100	1.65.35100	1.65.45100	1.65.55100	1.65.65100

PIASTRE IN ACCIAIO **LAVORABILE** (DOLCE)
MACHINEABLE STEEL JAW PLATES (SOFT)



Art. 234

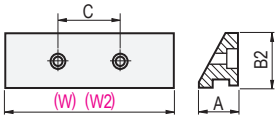
Per ganascia fissa e mobile - Art. 120, 127, 129 - Larghezza normale (W)
For fixed and movable jaw - Art. 120, 127, 129 - Normal width (W)

Cod. Art. 234	1.65.10200	1.65.20200	1.65.30200	1.65.40200	1.65.50200	1.65.60200

Art. 235

Per ganascia fissa e mobile - Art. 121, 128, 129 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 121, 128, 129 - Narrow width (W2)

Cod. Art. 235	1.65.11200	1.65.21200	1.65.31200	1.65.41200	1.65.51200	1.65.61200



Art. 252

Per ganascia fissa doppia Art. 123 - Larghezza normale (W)
For double fixed jaw Art. 123 - Normal width (W)

Cod. Art. 252	1.65.14200	1.65.24200	1.65.34200	1.65.44200	1.65.54200	1.65.64200

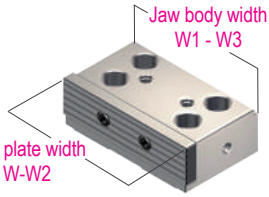
Art. 253

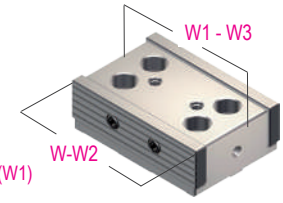
Per ganascia fissa doppia Art. 124 - Larghezza ridotta (W2)
For double fixed jaw Art. 124 - Super narrow width (W2)

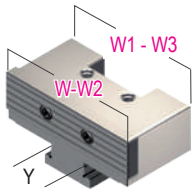
Cod. Art. 253	1.65.15200	1.65.25200	1.65.35200	1.65.45200	1.65.55200	1.65.65200

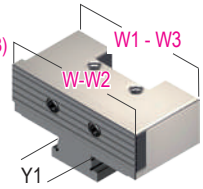
GANASCE CON PIASTRE PIANE / STRAIGHT PLATE JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 140 Ganascia fissa. **Larghezza normale** (W) - (W3) Fixed jaw. **Normal width** (W) - (W3)	Cod. 2.14.01000	2.14.02000	2.14.03000	2.14.04000	2.14.05000	2.14.06000
Art. 141 Ganascia fissa. **Larghezza ridotta rettificata** (W2) - (W1) Fixed jaw. **Narrow width ground** (W2) - (W1)	Cod. 2.14.11000	2.14.12000	2.14.13000	2.14.14000	2.14.15000	2.14.16000
Art. 143 Ganascia fissa doppia. **Larghezza normale** (W) - (W3) Double fixed jaw. **Normal width** (W) - (W3)	Cod. 2.14.31000	2.14.32000	2.14.33000	2.14.34000	2.14.35000	2.14.36000
Art. 144 Ganascia fissa doppia. **Larghezza ridotta rettificata** (W2) - (W1) Double fixed jaw. **Narrow width ground** (W2) - (W1)	Cod. 2.14.41000	2.14.42000	2.14.43000	2.14.44000	2.14.45000	2.14.46000
Art. 146 Ganascia mobile monoblocco guidata. **Larghezza normale** (W) - (W3) Guided movable solid jaw. **Normal width** (W) - (W3)	Cod. 2.14.61000	2.14.62000	2.14.63000	2.14.64000	2.14.65000	2.14.66000
Art. 147 Ganascia mobile monoblocco guidata. **Larghezza ridotta** (W2) - (W1) Guided movable solid jaw. **Narrow width** (W2) - (W1)	Cod. 2.14.71000	2.14.72000	2.14.73000	2.14.74000	2.14.75000	2.14.76000
Art. 148 Ganascia mobile monoblocco oscillante. **Larghezza normale** (W) - (W3) Floating movable solid jaw. **Normal width** (W) - (W3)	Cod. 2.14.81000	2.14.82000	2.14.83000	2.14.84000	2.14.85000	2.14.86000
Art. 149 Ganascia mobile monoblocco oscillante.**Larghezza ridotta** (W2) - (W1) Floating movable solid jaw. **Narrow width** (W2) - (W1)	Cod. 2.14.91000	2.14.92000	2.14.93000	2.14.94000	2.14.95000	2.14.96000

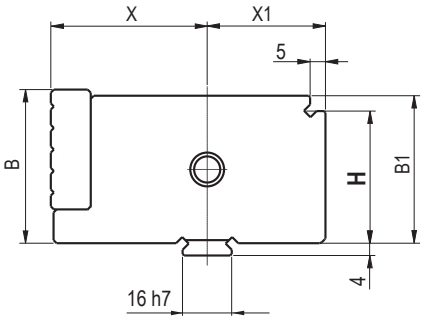




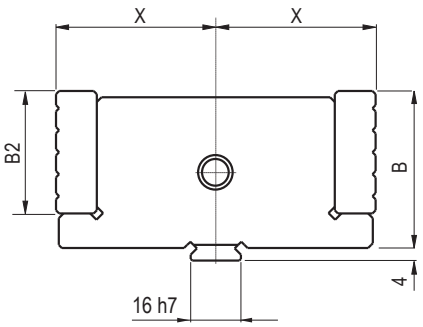




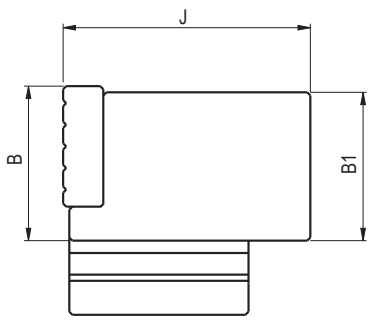
Art. 140



Art. 143



Art. 146



Tipo / Type	1	2	3	4	5	6
W = Jaw plate	100	125	150	175	200	300
W1 = Jaw body	75	95	125	145	170	195
W2 = Jaw plate	74	94	124	144	169	194
W3 = Jaw body	96	121	146	171	196	296
Y	21	28	41	51	61	71
Y1	20	27	40	50	60	70
B	30	40	50	60	65	80
B1	28	38	48	58	63	78
B2	24,5	32	40	43	48	63
* H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	38,5	41,5	47	47

* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

RICAMBI PER GANASCE CON PIASTRE PIANE / SPARES FOR STRAIGHT JAW PLATES

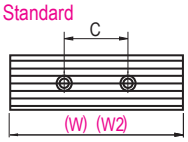
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

PIASTRE PIANE TEMPRATE, **RIGATE O QUADRETTATE**
HARDENED **GROOVED OR SERRATED** STRAIGHT JAW PLATES

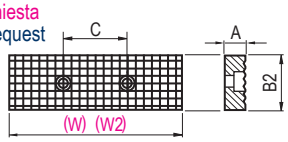
Dotazione normale delle ganasce e delle morse complete
Standard equipment on complete jaws and vises

Per qualsiasi piastra ganascia speciale, raddoppiare il prezzo / For special taylor made jaw plate double the price

Standard



A richiesta
On request



W	100	125	150	175	200	300
W2	74	94	124	144	169	194
A	12	12	13	13	18	18
B2	24,5	32	40	43	48	56
C	25	32	50	50	76	90

Art. 242

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

Art. 242S

Cod. Art. 242	1.65.16000	1.65.26000	1.65.36000	1.65.46000	1.65.56000	1.65.66000
Cod. Art. 242S	4.24.2S100	4.24.2S200	4.24.2S300	4.24.2S400	4.24.2S500	4.24.2S600

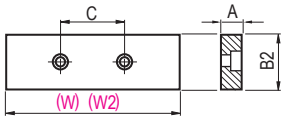
Art. 243

Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

Art. 243S

Cod. Art. 243	1.65.17000	1.65.27000	1.65.37000	1.65.47000	1.65.57000	1.65.67000
Cod. Art. 243S	4.24.3S100	4.24.3S200	4.24.3S300	4.24.3S400	4.24.3S500	4.24.3S600

PIASTRE PIANE **LISCE** TEMPRATE
HARDENED **SMOOTH** STRAIGHT JAW PLATES



Art. 244

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

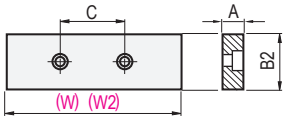
Cod. Art. 244	4.24.41000	4.24.42000	4.24.43000	4.24.44000	4.24.45000	4.24.46000

Art. 245

Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

Cod. Art. 245	4.24.51000	4.24.52000	4.24.53000	4.24.54000	4.24.55000	4.24.56000

PIASTRE PIANE IN ACCIAIO **LAVORABILE (DOLCE)**
MACHINEABLE STEEL STRAIGHT JAW PLATES (SOFT HRC)



Art. 246

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

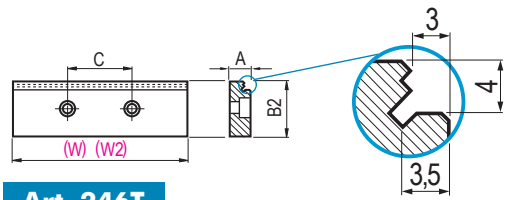
Cod. Art. 246	1.65.16200	1.65.26200	1.65.36200	1.65.46200	1.65.56200	1.65.66200

Art. 247

Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

Cod. Art. 247	1.65.17200	1.65.27200	1.65.37200	1.65.47200	1.65.57200	1.65.67200

PIASTRE PIANE TEMPRATE GRIP
HARDENED STRAIGHT JAW PLATES GRIP





PIASTRE GANASCE "GRIP" JAW PLATES

MINOR SUPERFICIE DI CONTATTO + PRESSIONE DI SERRAGGIO
LESS SURFACE CONTACT + CLAMPING PRESSURE

Art. 246T

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

Cod. Art. 246T	4.24.6T100	4.24.6T200	4.24.6T300	4.24.6T400	4.24.6T500	4.24.6T600

Art. 247T

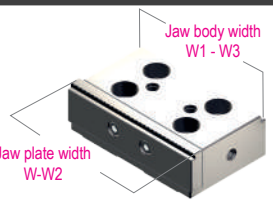
Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

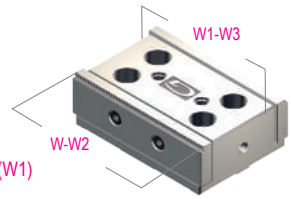
Cod. Art. 247T	4.24.7T100	4.24.7T200	4.24.7T300	4.24.7T400	4.24.7T500	4.24.7T600

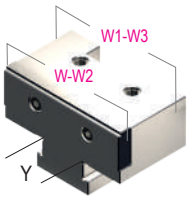
GANASCE CON PIASTRE PIANE GRIP / STRAIGHT PLATE GRIP JAWS

4

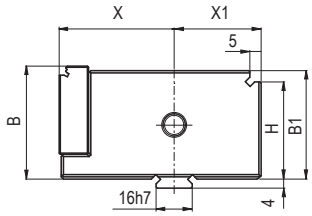
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 140T Ganascia fissa GRIP. **Larghezza normale** (W) - (W3) Fixed GRIP jaw. **Normal width** (W) - (W3)	Cod. 2.14.0T100	2.14.0T200	2.14.0T300	2.14.0T400	2.14.0T500	2.14.0T600
Art. 141T Ganascia fissa GRIP. **Larghezza ridotta rettificata** (W2) - (W1) Fixed GRIP jaw. **Narrow width ground** (W2) - (W1)	Cod. 2.14.1T100	2.14.1T200	2.14.1T300	2.14.1T400	2.14.1T500	2.14.1T600
Art. 143T Ganascia fissa doppia. **Larghezza normale** (W) - (W3) Double fixed jaw. **Normal width** (W) - (W3)	Cod. 2.14.3T100	2.14.3T200	2.14.3T300	2.14.3T400	2.14.3T500	2.14.3T100
Art. 144T Ganascia fissa doppia. **Larghezza ridotta rettificata** (W2) - (W1) Double fixed jaw. **Narrow width ground** (W2) - (W1)	Cod. 2.14.4T100	2.14.4T200	2.14.4T300	2.14.4T400	2.14.4T500	2.14.4T600
Art. 146T Ganascia mobile monoblocco guidata. **Larghezza normale** (W) - (W3) Guided movable solid jaw. **Normal width** (W) - (W3)	Cod. 2.14.6T100	2.14.6T200	2.14.6T300	2.14.6T400	2.14.6T500	2.14.6T600
Art. 147T Ganascia mobile monoblocco guidata. **Larghezza ridotta** (W2) - (W1) Guided movable solid jaw. **Narrow width** (W2) - (W1)	Cod. 2.14.7T100	2.14.7T200	2.14.7T300	2.14.7T400	2.14.7T500	2.14.7T600



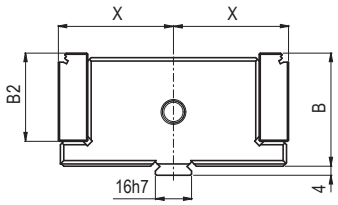




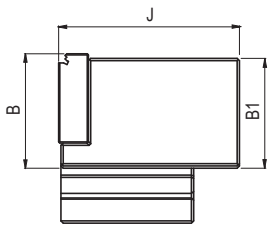
Art. 140T



Art. 143T



Art. 146T

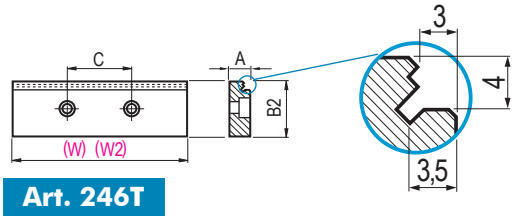


* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

Tipo / Type	1	2	3	4	5	6
W = Jaw plate	100	125	150	175	200	300
W1 = Jaw body	75	95	125	145	170	195
W2 = Jaw plate	74	94	124	144	169	194
W3 = Jaw body	96	121	146	171	196	296
Y	21	28	41	51	61	71
B	30	40	50	60	65	80
B1	28	38	48	58	63	78
B2	24,5	32	40	43	48	63
* H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	38,5	41,5	47	47

PIASTRE PIANE TEMPRATE GRIP
HARDENED STRAIGHT JAW PLATES GRIP

Fornibili a richiesta su ganasce e morse senza variazione di prezzo
Available on request for complete jaws and vises without price change





PIASTRE GANASCE "GRIP" JAW PLATES

MINOR SUPERFICIE DI CONTATTO + PRESSIONE DI SERRAGGIO
LESS SURFACE CONTACT + CLAMPING PRESSURE

Art. 246T

Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W)
For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)

Cod. Art. 246T	4.24.6T100	4.24.6T200	4.24.6T300	4.24.6T400	4.24.6T500	4.24.6T600

Art. 247T

Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2)
For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)

Cod. Art. 247T	4.24.7T100	4.24.7T200	4.24.7T300	4.24.7T400	4.24.7T500	4.24.7T600

GANASCE CON PIASTRE CON INSERTI GRIP / STRAIGHT PLATE JAWS WITH GRIP INSERTS

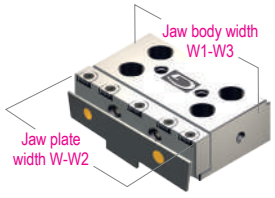
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 140G

Ganascia fissa completa di parallela magnetica. **Larghezza normale** (W) - (W3)
Fixed jaw with magnetic parallel. **Normal width** (W) - (W3)

Art. 141G

Ganascia fissa completa di parallela magnetica. **Larghezza ridotta rettificata** (W2) - (W1)
Fixed jaw complete with magnetic parallel. **Narrow width ground** (W2) - (W1)



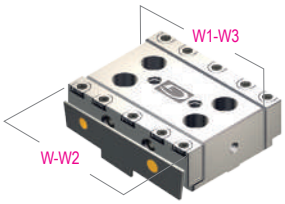
Cod.	2.14.0G100	2.14.0G200	2.14.0G300	2.14.0G400	2.14.0G500	2.14.0G600
Cod.	2.14.1G100	2.14.1G200	2.14.1G300	2.14.1G400	2.14.1G500	2.14.1G600

Art. 143G

Ganascia fissa doppia completa di parallela magnetica.
Larghezza normale (W) - (W3)
Double fixed jaw complete with magnetic parallel.
Normal width (W) - (W3)

Art. 144G

Ganascia fissa doppia completa di parallela magnetica.
Larghezza ridotta rettificata (W2) - (W1)
Double fixed jaw complete with magnetic parallel. **Narrow width ground** (W2) - (W1)



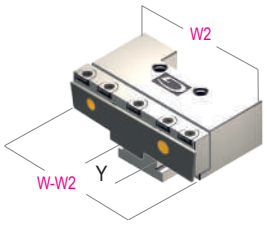
Cod.	2.14.3G100	2.14.3G200	2.14.3G300	2.14.3G400	2.14.3G500	2.14.3G600
Cod.	2.14.4G100	2.14.4G200	2.14.4G300	2.14.4G400	2.14.4G500	2.14.4G600

Art. 146G

Ganascia mobile monoblocco guidata completa di parallela magnetica. **Larghezza normale** (W)
Guided movable solid jaw. Complete with magnetic parallel. **Normal width** (W)

Art. 147G

Ganascia mobile monoblocco guidata completa di parallela magnetica. **Larghezza ridotta** (W2)
Guided movable solid jaw complete with magnetic parallel. **Narrow width** (W2)



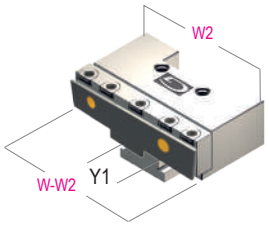
Cod.	2.14.6G100	2.14.6G200	2.14.6G300	2.14.6G400	2.14.6G500	2.14.6G600
Cod.	2.14.7G100	2.14.7G200	2.14.7G300	2.14.7G400	2.14.7G500	2.14.7G600

Art. 148G

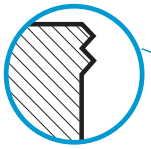
Ganascia mobile monoblocco oscillante completa di parallela magnetica. **Larghezza normale** (W)
Floating movable solid jaw complete with magnetic parallel. **Normal width** (W)

Art. 149G

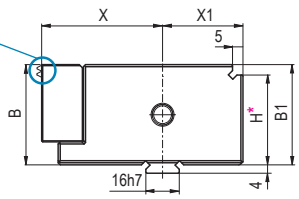
Ganascia mobile monoblocco oscillante completa di parallela magnetica. **Larghezza ridotta** (W2)
Floating movable solid jaw complete with magnetic parallel. **Narrow width** (W2)



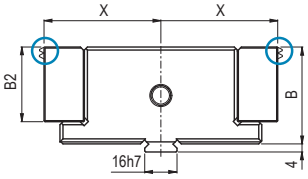
Cod.	2.14.8G100	2.14.8G200	2.14.8G300	2.14.8G400	2.14.8G500	2.14.8G600
Cod.	2.14.9G100	2.14.9G200	2.14.9G300	2.14.9G400	2.14.9G500	2.14.9G600



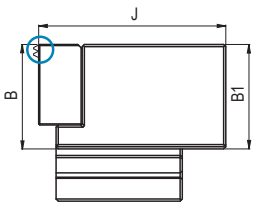
Art. 140G



Art. 143G



Art. 146G



* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

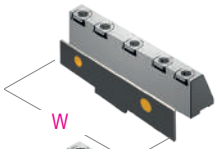
Tipo / Type	1	2	3	4	5	6
W = Jaw plate	100	125	150	175	200	300
W1 = Jaw body	75	95	125	145	170	195
W2 = Jaw plate	74	94	124	144	169	194
W3 = Jaw body	96	121	146	171	196	296
Y	21	28	41	51	61	71
Y1	20	27	40	50	60	70
B	28	38	48	58	63	78
B1	28	38	48	58	63	78
B2	24,5	30	37	42	46	54
* H	23	33	43	53	53	68
J	58	68	87	97	102	122
X	50,4	50,4	57,9	62,4	68,4	75,1
X1	35,5	35,5	38,5	41,5	47	47

PIASTRE GANASCE CON INSERTI GRIP E PARALLELA MAGNETICA

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 242G

Piastra Ganascia con Inserti GRIP. **Larghezza normale** (W)
Jaw plate with GRIP insert. **Normal width** (W)

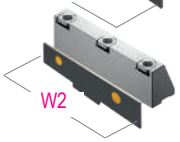


Cod.	1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400	1.24.2G500	1.24.2G600

ATTENZIONE - ATTENTION:
Utilizzare solo con viti posteriori ben serrate - Using only with rear screws strong clamped

Art. 243G

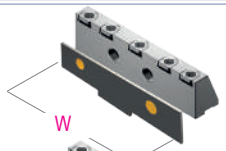
Piastra Ganascia con Inserti GRIP. **Larghezza ridotta rettificata** (W1)
Jaw plate with GRIP insert. **Narrow width ground** (W1)



Cod.	1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400	1.24.3G500	1.24.3G600

Art. 248G

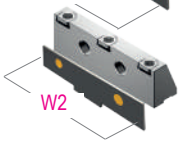
Piastra Ganascia con Inserti GRIP
per ganascia fissa doppia. Larghezza normale (W)
Jaw plate with GRIP insert for double fixed jaw. **Normal width** (W)



Cod.	1.24.8G100	1.24.8G200	1.24.8G300	1.24.8G400	1.24.8G500	1.24.8G600

Art. 249G

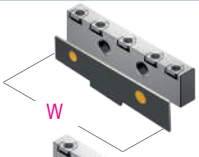
Piastra Ganascia con Inserti GRIP
per ganascia fissa doppia. Larghezza ridotta rettificata (W1)
Jaw plate with GRIP insert.
For double fixed jaw. Narrow width ground (W1)



Cod.	1.24.9G100	1.24.9G200	1.24.9G300	1.24.9G400	1.24.9G500	1.24.9G600

Art. 246G

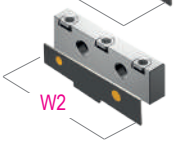
Piastra **Piana** con Inserti GRIP. **Larghezza normale** (W)
Straight Plate with GRIP inserts. **Normal width** (W)



Cod.	1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400	1.24.6G500	1.24.6G600

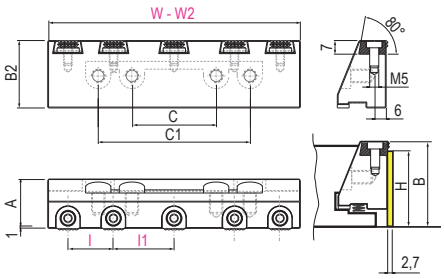
Art. 247G

Piastra **Piana** con Inserti GRIP. **Larghezza ridotta rettificata** (W1)
Straight Plate with GRIP inserts. **Narrow width ground** (W1)

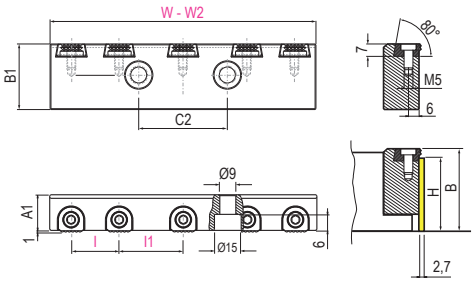


Cod.	1.24.7G100	1.24.7G200	1.24.7G300	1.24.7G400	1.24.7G500	1.24.7G600

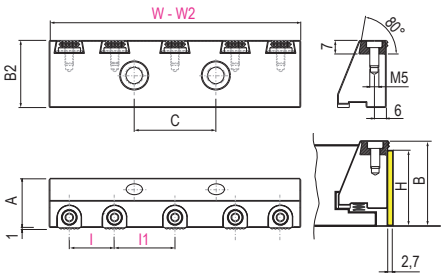
Art.242G



Art.246G



Art.248G





Dotazione Standard - Standard Equipment
1 pc. Art.313S (parallela magnetica SINGOLA) - 1 pc. Art.313S (SINGLE magnetic parallel)

Tipo / Type	1	2	3	4	5	6
W	100	125	150	175	200	300
W2	74	94	124	144	169	194
I	-	-	31,5	35	27	33
I1	35	45	31,5	35	27	33
C	20	32	50	50	76	90
C1	62	80	90	116	138	184
C2	25	32	50	50	76	90
B	30	40	50	60	65	80
B1	24,5	32	39	43	48	56
B2	24,5	32	40	43	53	63
A	**25**	**27**	**29**	**32**	**34**	**43**
A1	20	20	20	20	20	20
H	25	35	45	55	60	75

INSERT GRIP JAW PLATES WITH MAGNETIC PARALLEL

Art. 242G

Con parallela magnetica e Inserti GRIP
With magnetic parallel and GRIP inserts



Art. 243G

Larghezza ridotta
Narrow width

Art. 248G

Per ganascia fissa doppia
For double fixed jaw

Con parallela magnetica e Inserti GRIP
With magnetic parallel and GRIP inserts



Art. 249G

Larghezza ridotta
Narrow width

Art. 246G

Piastra Piana
Straight Plate

Piana con parallela magnetica e Inserti GRIP
Straight with magnetic parallel and GRIP inserts



Art. 247G

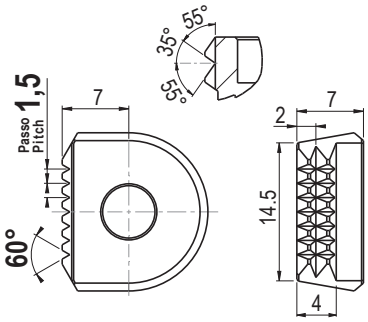
Larghezza ridotta
Narrow width

Inserti Grip - Grip Inserts

Art. 220 G01

Per materiali di durezza normale
For standard workpieces hardness clamping

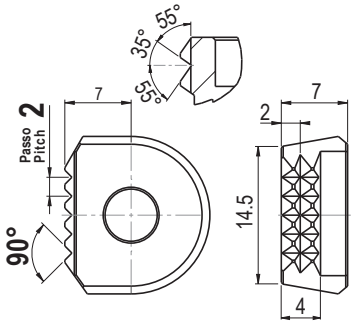
Cod.	4.22.01000 / G01



Art. 220 G02

Per materiali di notevole durezza.
For hardened workpieces clamping

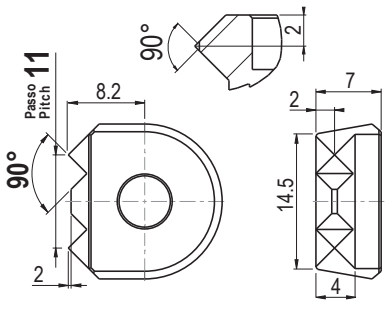
Cod.	4.22.01000 / G02



Art. 220 G11

Per materiali teneri
For soft material clamping

Cod.	4.22.01000 / G11



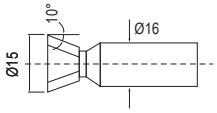
Tipo / Type	1	2	3	4	5	6
Art.242G - Art.248G - Art.246G	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	9 pcs each jaw plate
Art.243G - Art.249G - Art.247G	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	7 pcs each jaw plate
Viti a testa bassa M5 x 10mm Low head screws M5 x 10mm	3 pcs each	3 pcs each	5 pcs each	5 pcs each	7 pcs each	7 / 9 pcs each

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art.220F

Utensile fresa per realizzare sedi per inserti grip su piastre ganasce dolci
Milling tool for machining the insert grip seat on machineable jaw plates





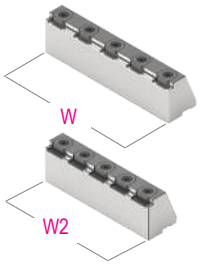
Ø	15
Cod.	4.22.0F1510

PIASTRE GANASCE A GRADINO INTEGRALE CON INSERTI GRIP

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 242K

Piastra Ganascia a gradino con Inserti GRIP.
Larghezza normale (W)
Step jaw plate with GRIP insert. **Normal width** (W)



Cod.	1.24.2K100	1.24.2K200	1.24.2K300	1.24.2K400	1.24.2K500	1.24.2K600

ATTENZIONE - ATTENTION:
Utilizzare solo con viti posteriori ben serrate - Using only with rear screws strong clamped

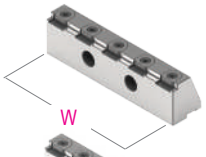
Art. 243K

Piastra Ganascia a gradino con Inserti GRIP.
Larghezza ridotta rettificata (W1)
Step jaw plate with GRIP insert. **Narrow width ground** (W1)

Cod.	1.24.3K100	1.24.3K200	1.24.3K300	1.24.3K400	1.24.3K500	1.24.3K600

Art. 248K

Piastra Ganascia a gradino con Inserti GRIP
per ganascia fissa doppia. Larghezza normale (W)
Jaw plate with GRIP insert for double fixed jaw. **Normal width** (W)



Cod.	1.24.8K100	1.24.8K200	1.24.8K300	1.24.8K400	1.24.8K500	1.24.8K600

Art. 249K

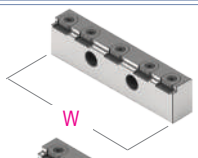
Piastra Ganascia a gradino con Inserti GRIP
per ganascia fissa doppia. Larghezza ridotta rettificata (W1)
Step jaw plate with GRIP insert.
For double fixed jaw. Narrow width ground (W1)



Cod.	1.24.9K100	1.24.9K200	1.24.9K300	1.24.9K400	1.24.9K500	1.24.9K600

Art. 246K

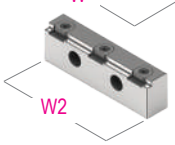
Piastra **Piana** con Inserti GRIP. **Larghezza normale** (W)
Straight Plate with GRIP inserts. **Normal width** (W)



Cod.	1.24.6K100	1.24.6K200	1.24.6K300	1.24.6K400	1.24.6K500	1.24.6K600

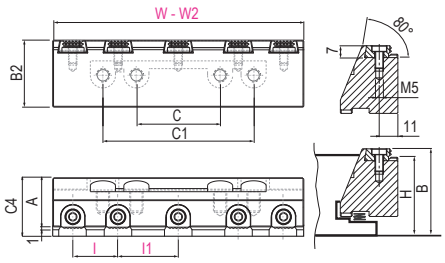
Art. 247K

Piastra **Piana** con Inserti GRIP. **Larghezza ridotta rettificata** (W1)
Straight Plate with GRIP inserts. **Narrow width ground** (W1)

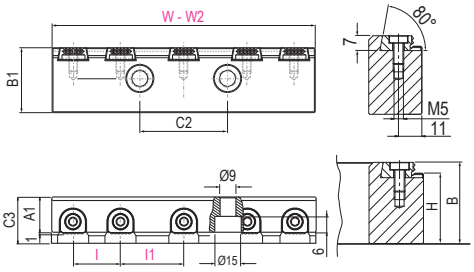


Cod.	1.24.7K100	1.24.7K200	1.24.7K300	1.24.7K400	1.24.7K500	1.24.7K600

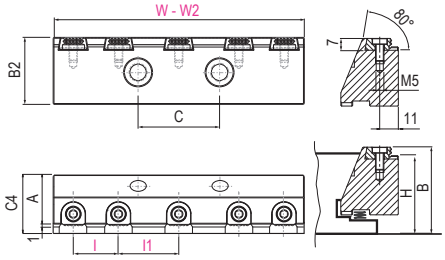
Art.242K



Art.247K



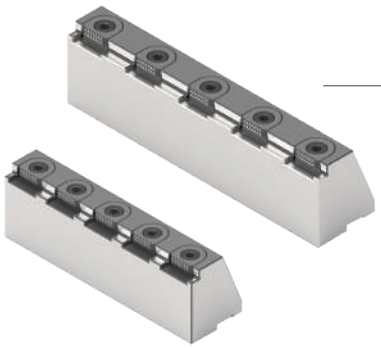
Art.248K



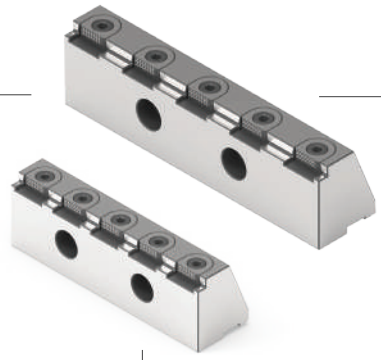
Tipo / Type	1	2	3	4	5	6
W	100	125	150	175	200	300
W2	74	94	124	144	169	194
I	-	-	31,5	35	27	33
I1	35	45	31,5	35	27	33
C	20	32	50	50	76	90
C1	62	80	90	116	138	184
C2	25	32	50	50	76	90
C3	25	25	25	25	25	25
C4	30	32	34	37	39	48
B	30	40	50	60	65	80
B1	24,5	32	39	43	48	56
B2	24,5	32	40	43	53	63
A	25	27	29	32	34	43
A1	20	20	20	20	20	20
H	25	35	45	55	60	75

INTEGRAL INSERT GRIP STEP JAW PLATES

Art. 242K
A gradino con Inserti GRIP
With step and GRIP inserts



Art. 248K Per ganascia fissa doppia / For double fixed jaw
A gradino con Inserti GRIP
With step and GRIP inserts



Art. 246K Piastra Piana / Straight Plate
A gradino con Inserti GRIP
With step and GRIP inserts



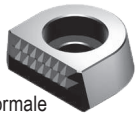
Art. 243K
Larghezza ridotta
Narrow width

Art. 249K
Larghezza ridotta
Narrow width

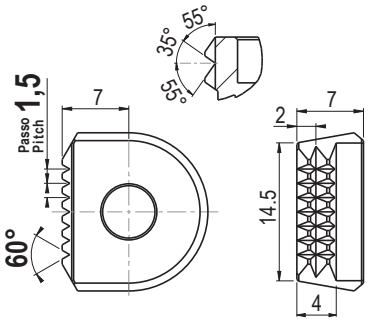
Art. 247K
Larghezza ridotta
Narrow width

Inserti Grip - Grip Inserts

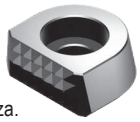
Art. 220 G01
Per materiali di durezza normale
For standard workpieces hardness clamping



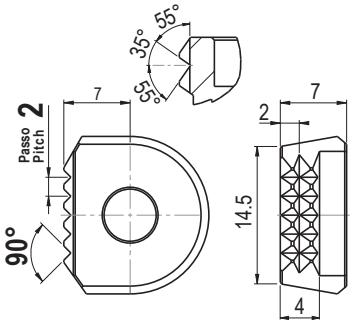
Cod.	4.22.01000 / G01



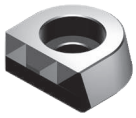
Art. 220 G02
Per materiali di notevole durezza.
For hardened workpieces clamping



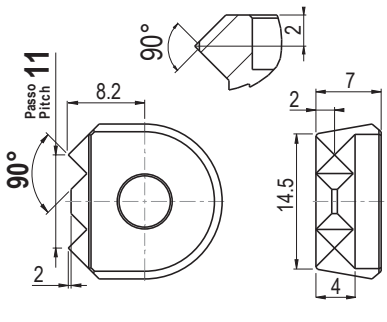
Cod.	4.22.01000 / G02



Art. 220 G11
Per materiali teneri
For soft material clamping



Cod.	4.22.01000 / G11



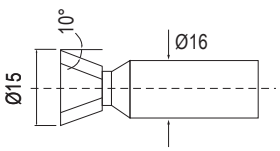
Tipo / Type	1	2	3	4	5	6
Art.242K - Art.248K - Art.246K	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	9 pcs each jaw plate
Art.243K - Art.249K - Art.247K	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	7 pcs each jaw plate
Viti a testa bassa M5 x 10mm Low head screws M5 x 10mm	3 pcs each	3 pcs each	5 pcs each	5 pcs each	7 pcs each	7 / 9 pcs each

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art.220F

Utensile fresa per realizzare sedi per inserti grip su piastre ganasce dolci
Milling tool for machining the insert grip seat on machineable jaw plates



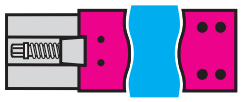


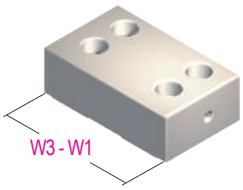
Ø	15
Cod.	4.22.0F1510

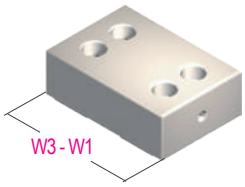
GANASCE LAVORABILI MONOBLOCCO / SOLID MACHINEABLE JAWS

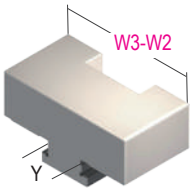
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 160 Ganascia fissa. Larghezza normale (W3) Fixed jaw. Normal width (W3)	Cod. 2.16.01000	2.16.02000	2.16.03000	2.16.04000	2.16.05000	2.16.06000
Art. 161 Ganascia fissa. Larghezza ridotta rettificata (W1) Fixed jaw. Narrow width griund (W1)	Cod. 2.16.11000	2.16.12000	2.16.13000	2.16.14000	2.16.15000	2.16.16000
Art. 163 Ganascia fissa doppia. Larghezza normale (W3) Double fixed jaw. Normal width (W3)	Cod. 2.16.31000	2.16.32000	2.16.33000	2.16.34000	2.16.35000	2.16.36000
Art. 164 Ganascia fissa doppia. Larghezza ridotta rettificata (W1) Double fixed jaw. Narrow width ground (W1)	Cod. 2.16.41000	2.16.42000	2.16.43000	2.16.44000	2.16.45000	2.16.46000
Art. 166 Ganascia mobile monoblocco guidata. Larghezza normale (W3) Guided movable solid jaw. Normal width (W3)	Cod. 2.16.61000	2.16.62000	2.16.63000	2.16.64000	2.16.65000	2.16.66000
Art. 167 Ganascia mobile monoblocco guidata. Larghezza ridotta (W2) Guided movable solid jaw. Narrow width (W2)	Cod. 2.16.71000	2.16.72000	2.16.73000	2.16.74000	2.16.75000	2.16.76000
Art. 168 Ganascia mobile monoblocco oscillante. Larghezza normale (W3) Floating movable solid jaw. Normal width (W3)	Cod. 2.16.81000	2.16.82000	2.16.83000	2.16.84000	2.16.85000	2.16.86000
Art. 169 Ganascia mobile monoblocco oscillante. Larghezza ridotta (W2) Floating movable solid jaw. Narrow width (W2)	Cod. 2.16.91000	2.16.92000	2.16.93000	2.16.94000	2.16.95000	2.16.96000

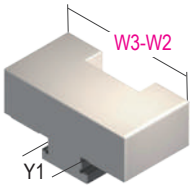






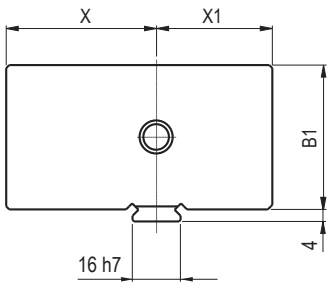




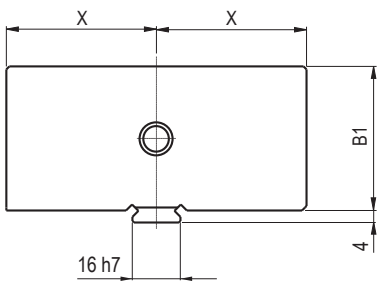


Durezza / Hardness HB= 290

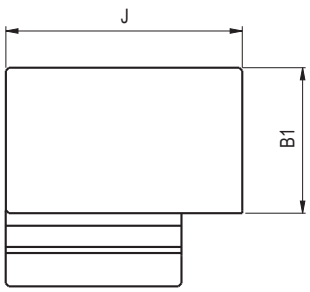
Art. 160



Art. 163



Art. 166



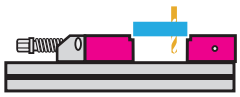
Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
W1	75	95	125	145	170	195
W2	74	94	124	144	169	194
B1	28	38	48	58	63	78
Y	21	28	41	51	61	71
Y-1	20	27	40	50	60	70
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	36,5	41,5	47	47

GANASCE MONOBLOCCO TEMPRATE CON GRADINO / SOLID JAWS WITH STEP, CASE HARDENED

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

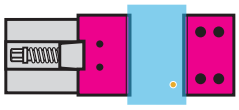
Art. 200

Ganascia fissa.
Larghezza normale (W3)
Fixed jaw.
Normal width (W3)



Art. 201

Ganascia fissa.
Larghezza ridotta rettificata (W1)
Fixed jaw.
Narrow width ground (W1)





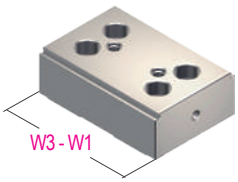
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Cod.	2.20.11000	2.20.12000	2.20.13000	2.20.14000	2.20.15000	2.20.16000

Art. 203

Ganascia fissa doppia. Larghezza normale (W3)
Double fixed jaw. Normal width (W3)

Art. 204

Ganascia fissa doppia. Larghezza ridotta rettificata (W1)
Double fixed jaw. Narrow width ground (W1)



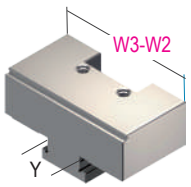
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Cod.	2.20.41000	2.20.42000	2.20.43000	2.20.44000	2.20.45000	2.20.46000

Art. 208

Ganascia mobile monoblocco guidata. Larghezza normale (W3)
Guided movable solid jaw. Normal width (W3)

Art. 209

Ganascia mobile monoblocco guidata. Larghezza ridotta (W2)
Guided movable solid jaw. Narrow width (W2)



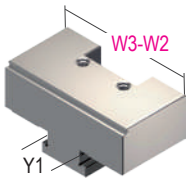
Cod.	2.20.81000	2.20.82000	2.20.83000	2.20.84000	2.20.85000	2.20.86000
Cod.	2.20.91000	2.20.92000	2.20.93000	2.20.94000	2.20.95000	2.20.96000

Art. 206

Ganascia mobile monoblocco oscillante. Larghezza normale (W3)
Floating movable solid jaw. Normal width (W3)

Art. 207

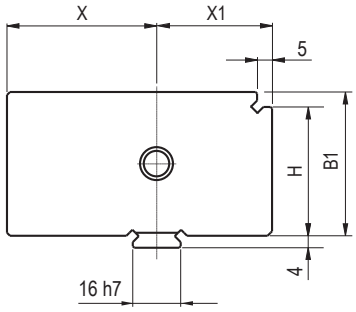
Ganascia mobile monoblocco oscillante. Larghezza ridotta (W2)
Floating movable solid jaw. Narrow width (W2)



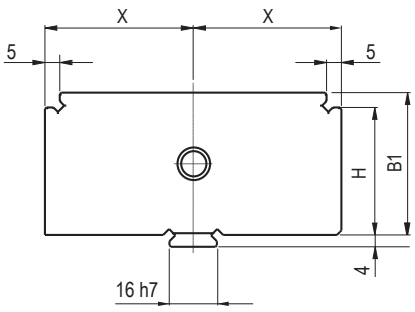
Cod.	2.20.61000	2.20.62000	2.20.63000	2.20.64000	2.20.65000	2.20.66000
Cod.	2.20.71000	2.20.72000	2.20.73000	2.20.74000	2.20.75000	2.20.76000

Durezza / Hardness HRC= 60

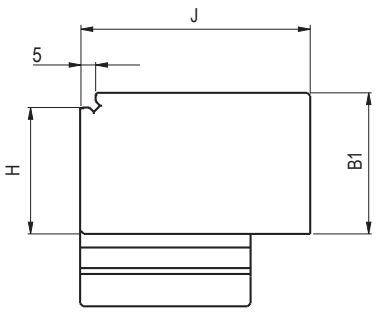
Art. 200



Art. 203



Art. 208

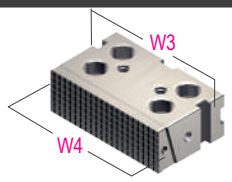


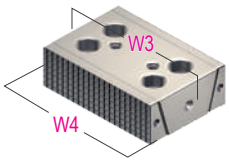
Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
W1	75	95	125	145	170	195
W2	74	94	124	144	169	194
Y	21	28	41	51	61	71
Y-1	20	27	40	50	60	70
B1	28	38	48	58	63	78
* H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	38,5	41,5	47	47

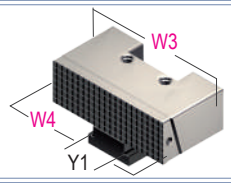
* DIMENSIONE DA ACCOPPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

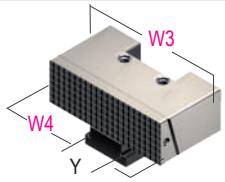
Piastra ganascia StdFLEX a cambio rapido / StdFLEX quick change jaw plates

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 120A Ganascia fissa / Fixed jaw	Cod. 4.12.0A100	4.12.0A200	4.12.0A300	4.12.0A400	4.12.0A500	4.12.0A600
Art. 123A Ganascia fissa doppia / Double fixed jaw	Cod. 4.12.3A100	4.12.3A200	4.12.3A300	4.12.3A400	4.12.3A500	4.12.3A600
Art. 126A Ganascia mobile oscillante / Floating movable jaw	Cod. 4.12.6A100	4.12.6A200	4.12.6A300	4.12.6A400	4.12.6A500	4.12.6A600
Art. 127A Ganascia mobile guidata / Guided movable jaw	Cod. 4.12.7A100	4.12.7A200	4.12.7A300	4.12.7A400	4.12.7A500	4.12.7A600



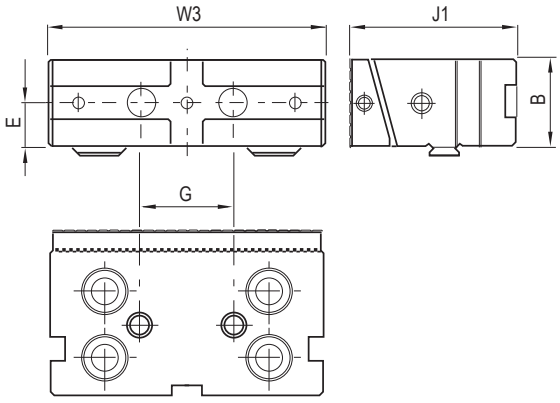






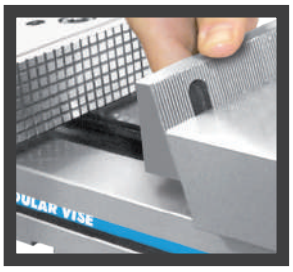
Art. 120A

Durezza / Hardnes HRC= 60



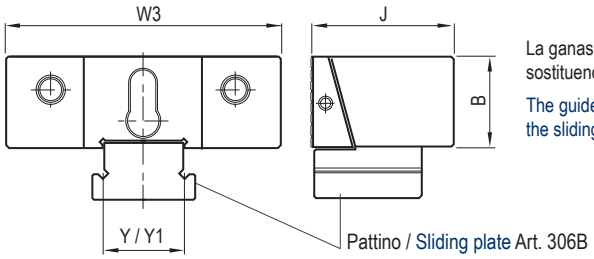
Ganasce **StandardFLEX** con piastre intercambiabili manualmente (Sistema a pettine)

StandardFLEX jaws with interchangeable jaw plates by hand (Comb system)





Art. 127A



La ganascia mobile guidata, Art. 127A, può essere tramutata in ganascia mobile oscillante, sostituendo il pattino, Art. 306B, con il pattino Art. 306C (vedi pag. 4.30)

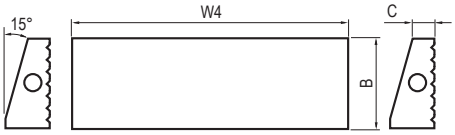
The guided movable jaw, Art. 127A, ould be transformed in a floating movable jaw by simply exchanging the sliding plate, Art. 306B, with sliding plate Art. 306C (see page 4.30)

mm	1	2	3	4	5	6
W3	96	121	146	171	196	296
W4	95	120	145	170	195	295
B	28	38	48	58	63	78
E	14	19	25	27	30	47
G	-	-	50	50	50	50
J	50	60	80	90	100	120
J1	77,9	77,9	89,4	96,9	113,4	120,4
Y	21	28	41	51	61	71
Y1	20	27	40	50	60	70

Piastre ganascia StdFLEX a cambio rapido / StdFLEX quick change jaw plates

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

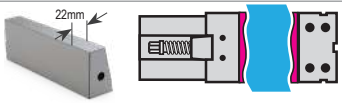
Piastre ganasce rapide singole. Ricambi per ganasce rapide a pettine
Single quick change jaw plates. Spares for quick change comb jaw



W4	95	120	145	170	195	295
B	28	38	48	58	63	78
C	9	9	11	11	14	14

Art. 230B

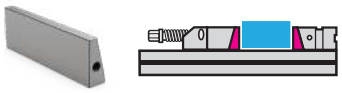
Piastra ganascia intercambiabile **dolce** a pettine
Soft comb interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401	4.23.0B501	4.23.0B601

Art. 230C

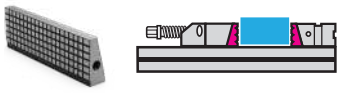
Piastra ganascia intercambiabile **liscia** a pettine
Smooth comb interchangeable jaw plate



Cod.	4.23.0C101	4.23.0C201	4.23.0C301	4.23.0C401	4.23.0C501	4.23.0C601

Art. 230D

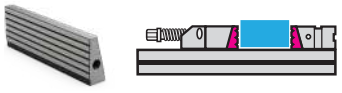
Piastra ganascia intercambiabile **zigrinata** a pettine
Serrated comb interchangeable jaw plate



Cod.	4.23.0D101	4.23.0D201	4.23.0D301	4.23.0D401	4.23.0D501	4.23.0D601

Art. 230R

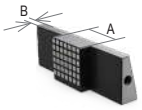
Piastra ganascia intercambiabile **rigata** a pettine
Grooved comb interchangeable jaw plate

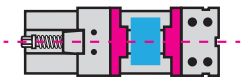


Cod.	4.23.0R101	4.23.0R201	4.23.0R301	4.23.0R401	4.23.0R501	4.23.0R601

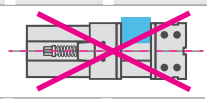
Art. 230SLD

Piastra ganascia scaricata a pettine
Discharged comb jaw plate



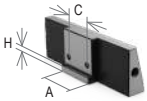


Per il serraggio di particolari di piccole dimensioni utilizzare sempre ganasce scaricate
To clamp small workpieces use discharged jaws



Art. 230SLE

Piastra ganascia con gradino scaricata a pettine
Discharged step comb jaw plate

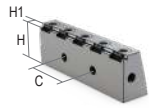




A	28	38	48	58	63	95
B	12	12	12	12	12	12
C	14	18	32	42	47	79
H	8	8	8	8	8	8
Cod.	4.23.0SLD101	4.23.0SLD201	4.23.0SLD301	4.23.0SLD401	4.23.0SLD501	4.23.0SLD601
Cod.	4.23.0SLE101	4.23.0SLE201	4.23.0SLE301	4.23.0SLE401	4.23.0SLE501	4.23.0SLE601

Art. 230K

Piastra ganascia intercambiabile
a gradino a pettine con inserti GRIP
Comb interchangeable
step jaw plate with GRIP inserts

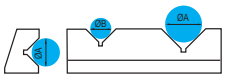




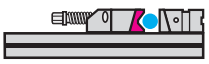
C	14	18	32	42	47	79
H	24	34	44	54	59	74
H1	4	4	4	4	4	4
Cod.	4.23.0K100	4.23.0K200	4.23.0K300	4.23.0K400	4.23.0K500	4.23.0K600

Art. 230F

Piastra ganascia intercambiabile
prismatica a pettine
Prismatic comb interchangeable
jaw plate





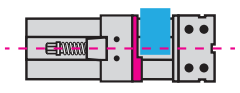


Ø min / max	A	6 / 16	9 / 24	13 / 38	15 / 40	15 / 42	15 / 42
Ø min / max	B	4 / 10	7 / 18	9 / 24	9 / 24	9 / 24	9 / 24
Cod.		4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401	4.23.0F501	4.23.0F601

Art. 230G

Piastra ganascia intercambiabile
a pettine con arresto a **90°**
90° interchangeable comb jaw plate





Solo 1 per morsa !! Just 1 *pc* each vise !!

Cod.	4.23.0G101	4.23.0G201	4.23.0G301	4.23.0G401	4.23.0G501	4.23.0G601

Art. 230H

Piastra ganascia intercambiabile
bombata a pettine
Round comb interchangeable jaw plate





Solo 1 per morsa !! Just 1 *pc* each vise !!

Cod.	4.23.0H101	4.23.0H201	4.23.0H301	4.23.0H401	4.23.0H501	4.23.0H601

Art. 230M

Piastra ganascia intercambiabile a pettine per
angolo di 30° o 45°
30° or 45° angle interchangeable comb jaw plate





Solo 1 per morsa !! Just 1 *pc* each vise !!

Cod.	4.23.0M101	4.23.0M201	4.23.0M301	4.23.0M401	4.23.0M501	4.23.0M601

Art. 230L

Piastra ganascia intercambiabile
a pettine con inserti GRIP frontali
GRIP frontal inserts interchangeable comb jaw plate



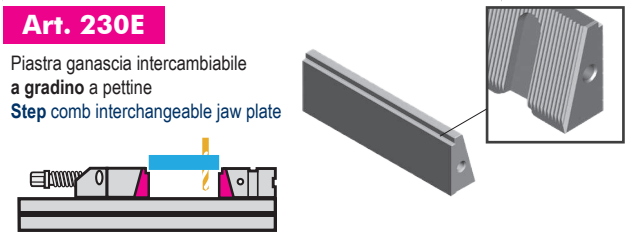


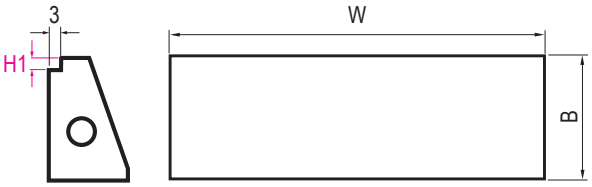
Cod.	4.23.0L101	4.23.0L201	4.23.0L301	4.23.0L401	4.23.0L501	4.23.0L601

GANASCE StdFLEX A CAMBIO RAPIDO / StdFLEX QUICK CHANGE JAWS

4

Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 230E	W	95	120	145	170	195	295
Piastra ganascia intercambiabile **a gradino** a pettine **Step** comb interchangeable jaw plate	B	28	38	48	58	63	78
		3	3	3	3	3	3
		5	5	5	5	5	5
		8	8	8	8	10	10
	H1	13	13	13	13	13	13
		-	18	18	18	18	18
		-	23	23	23	23	23
		-	-	28	28	28	28
	Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401	4.23.0E501	4.23.0E601





SPECIFICARE SEMPRE QUOTA "H1" - ALWAYS SPECIFY **"H1"** DIMENSION

SET RISPARMIO FINO AL 41% - SAVING WITH THE SET UP TO 41%

*Aggiungendo solo **2€** al set di piastre ganascia hai in regalo il portapiastre Art.320X ! - Rack Art.320X supplied with the SET with 2€ only

Acquistando i seguenti set di piastre ganasce If you purchase this number of jaw plate sets	*Set	8 Pezzi - Pieces	12 Pezzi - Pieces	14 Pezzi - Pieces	14 Pezzi - Pieces	14 Pezzi - Pieces	14 Pezzi - Pieces
Prezzo Cad. se acquistate con set Price each in case of set purchase							

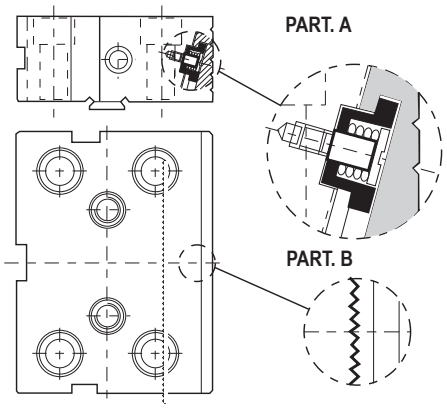
Art. 320

Portapiastre
Rack



	Cod.	4.32.01000	4.32.02000	4.32.03000	4.32.04000	4.32.05000	4.32.06000

Art. 605G1	Vite a gradino / Step screw		Cod.	6.60.5G101
Art. 605G2	Perno a molla / Spring pin		Cod.	6.60.5G201 — 6.60.5G202
Art. 605G3	Molla / Spring		Cod.	6.60.5G301



Rapida sostituzione delle piastre ganasce discendenti senza bisogno di alcun utensile

Il nuovo sistema con piastre ganasce intercambiabili, conferisce alla morsa STD un ulteriore aumento di versatilità dato dalla rapidità di sostituzione delle piastre ganasce e dalla precisione di riposizionamento.
La rapidità di sostituzione delle piastre ganasce è resa possibile dal nuovo sistema con perno a molla (PART. A), mentre le righe prismatiche (PART. B) effettuate con mola sagomata sui piani d'appoggio rendono possibile un riposizionamento di elevata precisione.

Quick hand change of downward jaw plates - no tools needed

The new system with quick interchangeable jaw plates increases the STD vise versatility, and allows the quick jaw allows plates replacement and their high precision repositioning.The speed of the jaw replacement is allowed by the new design of pin with spring (PART. A), while the prismatic grooves (PART. B), made with shaped grind wheel on the surface plates, allow a perfect repositioning.The wide range of interchangeable jaw plates can satisfy the most varied workholding needs.

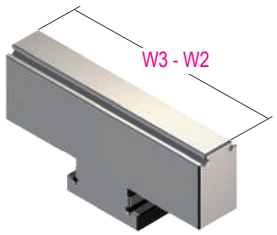
GANASCE MOBILI INTERMEDIE / INTERMEDIATE MOVABLE JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

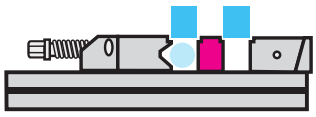
Art. 212

Ganascia mobile intermedia con doppio gradino.
Larghezza normale (W3)

Internediate movable jaw with double step.
Normal width (W3)



Cod.	1.21.21000	1.21.22000	1.21.23000	1.21.24000	1.21.25000	1.21.26000



Art. 213

Ganascia mobile intermedia con doppio gradino.
Larghezza ridotta (W2)

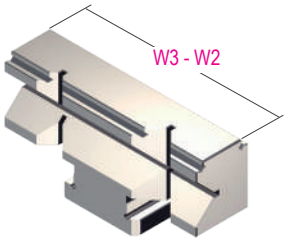
Internediate movable jaw with double step.
Narrow width (W2)

Cod.	1.21.31000	1.21.32000	1.21.33000	1.21.34000	1.21.35000	1.21.36000

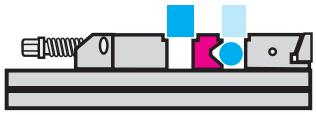
Art. 214

Ganascia mobile intermedia prismatica.
Larghezza normale (W3)

Prismatic internediate movable jaw.
Normal width (W3)



Cod.	1.21.41000	1.21.42000	1.21.43000	1.21.44000	1.21.45000	1.21.46000



Art. 215

Ganascia mobile intermedia.
Larghezza ridotta (W2)

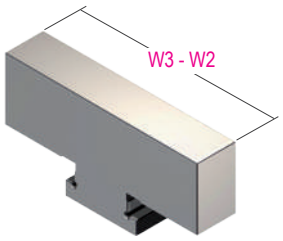
Internediate movable jaw.
Narrow width (W2)

Cod.	1.21.51000	1.21.52000	1.21.53000	1.21.54000	1.21.55000	1.21.56000

Art. 224

Ganascia mobile intermedia.
Larghezza normale (W3)

Internediate movable jaw.
Normal width (W3)



Cod.	1.22.41000	1.22.42000	1.22.43000	1.22.44000	1.22.45000	1.22.46000



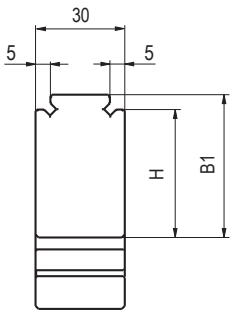
Art. 225

Ganascia mobile intermedia.
Larghezza ridotta (W2)

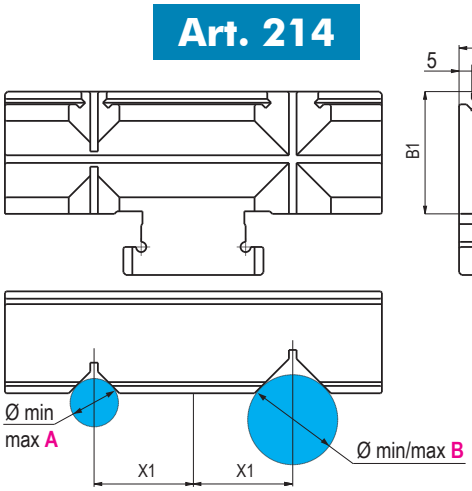
Internediate movable jaw.
Narrow width (W2)

Cod.	1.22.51000	1.22.52000	1.22.53000	1.22.54000	1.22.55000	1.22.56000

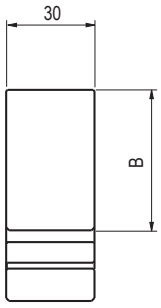
Art. 212



Art. 214



Art. 224



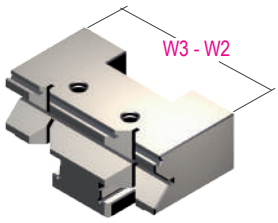
Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
W2	74	94	124	144	169	194
B	30	40	50	60	65	80
B1	28	38	48	58	63	78
H	23	33	43	53	53	68
J	30	30	40	40	45	50
X	11,5	16,5	21,5	26,5	26,5	34
X1	25	33	39	50	55	70
Ø min/max A	4 - 10	7 - 18	9 - 24	9 - 24	9 - 24	10 - 28
Ø min/max B	6 - 16	9 - 24	13 - 38	15 - 40	15 - 42	18 - 46

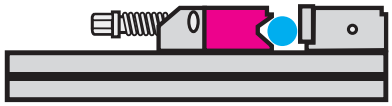
GANASCE MOBILI PRISMATICHE / PRISMATIC MOVABLE JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 217

Ganascia mobile guidata prismatica.
Larghezza normale (W3)
Prismatic guided movable jaw.
Normal width (W3)





Cod.	2.21.71000	2.21.72000	2.21.73000	2.21.74000	2.21.75000	2.21.76000

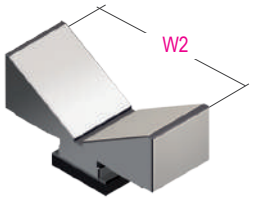
Art. 218

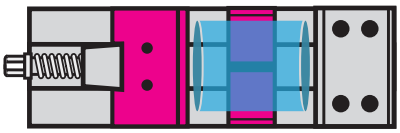
Ganascia mobile guidata prismatica.
Larghezza ridotta (W2)
Prismatic guided movable jaw.
Narrow width (W2)

Cod.	2.21.81000	2.21.82000	2.21.83000	2.21.84000	2.21.85000	2.21.86000

Art. 152

Inserto prismatico.
Larghezza ridotta (W2)
Prismatic insert. Narrow width (W2)



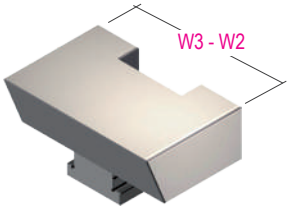


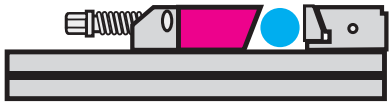
Cod.	4.15.21000	4.15.22000	4.15.23000	4.15.24000	4.15.25000	4.15.26000

Ganasce per PARTICOLARI TONDI / Jaws for ROUND WORKPIECE

Art. 210

Ganascia mobile oscillante.
Larghezza normale (W3)
Floating movable jaw. Normal width (W3)





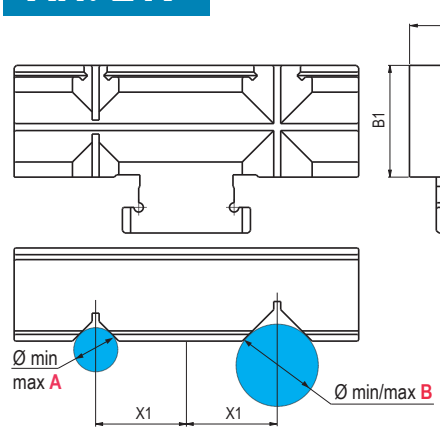
Cod.	2.21.01000	2.21.02000	2.21.03000	2.21.0 4000	2.21.05000	2.21.06000

Art. 211

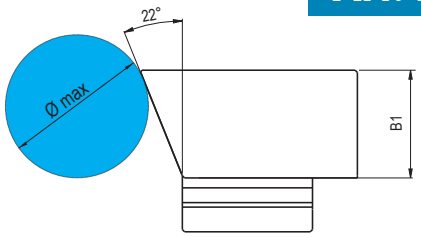
Ganascia mobile oscillante.
Larghezza ridotta (W2)
Floating movable jaw. Narrow width (W2)

Cod.	2.21.11000	2.21.12000	2.21.13000	2.21.14000	2.21.15000	2.21.16000

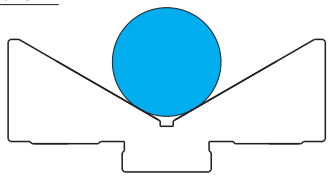
Art. 217



Art. 210



Art. 152



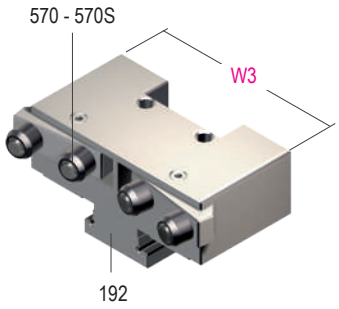
mm		1	2	3	4	5	6
W3		96	121	146	171	196	296
W2		74	94	124	144	169	194
B1		28	38	48	58	63	78
H		23	33	43	53	53	68
J		50	60	80	90	100	120
X		11,5	16,5	21,5	26,5	31,5	34
X1		25	33	39	50	50	70
Ø min / max	A Art. 217	4 - 10	7 - 18	9 - 24	9 - 24	9 - 24	10 - 28
Ø min / max	B Art. 217	6 - 16	9 - 24	13 - 38	15 - 40	15 - 42	18 - 46
Ø min / max	Art. 152			A richiesta	On request		
Ø max	Art. 210	35	50	65	80	85	105

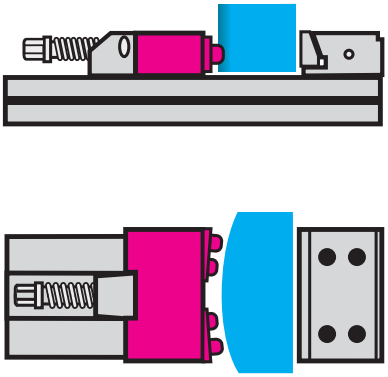
GANASCE CON SEGMENTI OSCILLANTI / MOVABLE JAW WITH FLOATING ELEMENTS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 192

Ganascia mobile oscillante con 2 segmenti oscillanti e puntali sferici lisci.
Floating movable jaw with two floating elements and spherical smooth points.



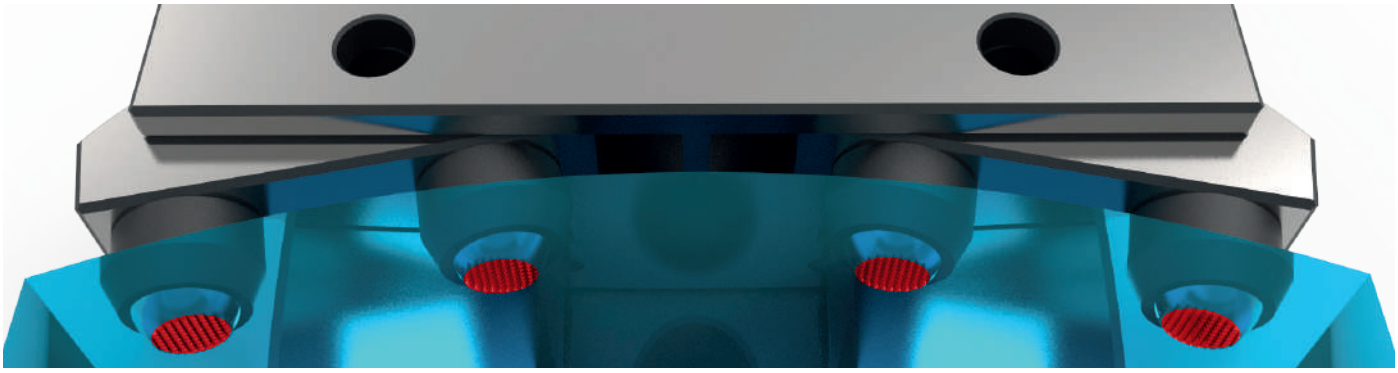


Art. 192S

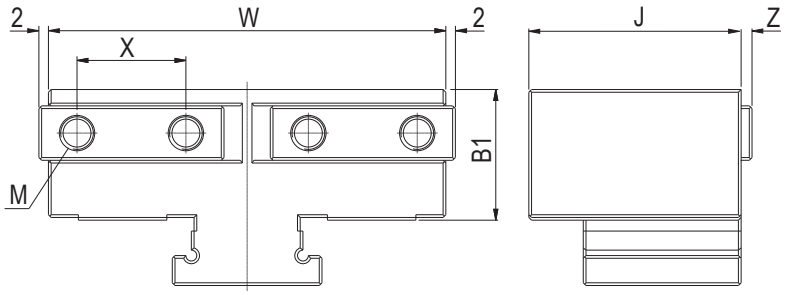
Ganascia mobile oscillante con 2 elementi oscillanti e puntali sferici zigrinati.
Floating movable jaw with two floating elements and spherical serrated points.

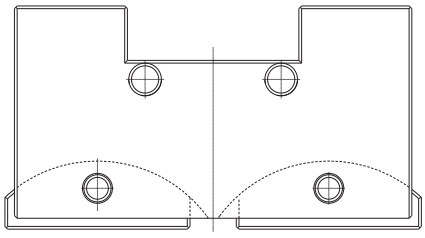
Per serraggio di particolari irregolari - For irregular workpieces clamping

Cod.	4.19.21000	4.19.22000	4.19.23000	4.19.24000	4.19.25000	4.19.26000
Cod.	4.19.2S100	4.19.2S200	4.19.2S300	4.19.2S400	4.19.2S500	4.19.2S600



Art. 192





Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
J	48	58	78	88	98	118
B1	28	38	48	58	63	78
X	30	40	40	40	60	60
M	M10	M12	M12	M12	M16	M16
N	4	4	6	7	8	12
Z	3	4	4	4	7	7

PARALLELE MODULARI MAGNETICHE AD INNESTO RAPIDO
QUICK MAGNETIC MODULAR PARALLEL PLATES

Queste piastre d'appoggio modulari parallele sono una ulteriore opportunita' del sistema modulare Gerardi. Esso consente infatti il posizionamento rapido e preciso di parallele piane o angolari per la lavorazione di pezzi piatti da forare e/o filettare.
Nessun problema di magnetismo sui trucioli

The modular bearing parallelsplates are a further opportunity of the Gerardi modular system. It allows in fact the quick and accurate positioning of straight or angolar parallels plates to machine (milling, drilling and tapping) flat pieces of any size and dimension without disassembling or positionning the fixture again.
No problem with chips magnetic

VANTAGGI:

- Rapidita' e precisione di installazione.
- Risparmio rispetto alla sostituzione della ganascia intera.
- Minori ingombri e costi rispetto alle parallele standard.
- Usiamo parallele magnetiche con piastre ganasce avvitate

Naturalmente tutti i componenti sono in acciaio speciale per molle e rettificati con tolleranze centesimali.

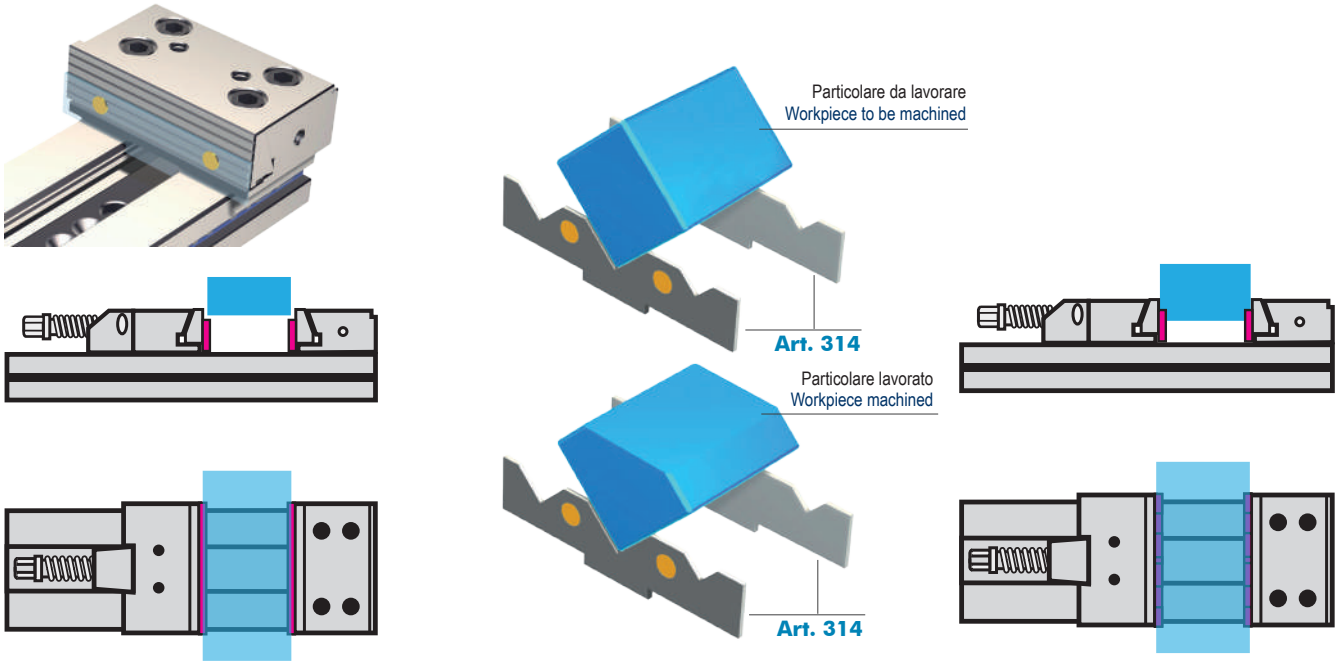
ADVANTAGES:

- Quick and accurate positioning.
- Saving with respect to the substitution of the whole jaw.
- Space and money saving with respect to the standard parallel plates.
- Use magnetic plates with jaw plates completely tightemed

Of course each component is made of hardened and ground spring steel and the accuracy is withim 0,02 mm.

4

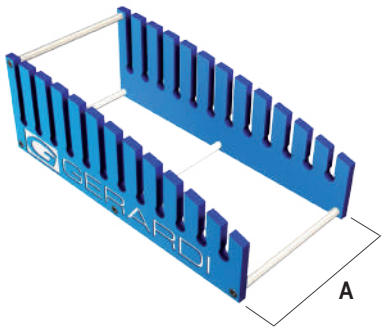
ESEMPI DI APPLICAZIONE - TYPICAL ARRANGEMENTS



Tipo (grandezza) / Vise type (size)	1	2	3	4	5	6
A	60		100		150	
Cod.	4.31.71000		4.31.73000		4.31.75000	

Art. 317

Rastrelliera per piastre parallele magnetiche piane e angolari
Rack for straight and angular parallel magnetic plates



Art. 313A

Magnete per parallele
Magnet for parallels



Cod.	4.31.3A100

NON MODULARI - NOT MODULAR
Richiedono aggiustaggio in opera - Adjustment needed before working

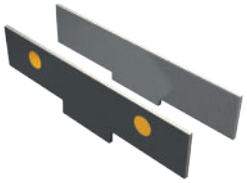
Per qualsiasi parallela speciale, raddoppiare il prezzo / For special taylor made parallel double the price

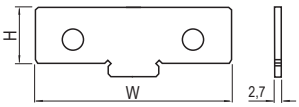
Tipo (grandezza) / Vise type (size)	1	2	3	4	5	6
H STANDARD FOR INSERT GRIP	-	-	-	20	20	30
	-	-	15	25	25	35
	-	15	20	30	30	40
	-	20	25	35	35	45
	15	25	30	40	40	50
	18	28	35	45	45	54
	20	30	40	50	50	60
H STANDARD	**23**	**33**	**43**	**53**	**53**	**68**
	25	35	45	55	57	70
	27	37	47	57	60	75
B	30	40	50	60	65	70
W	100	125	150	175	200	300
Cod.	4.31.3100C	4.31.3200C	4.31.3300C	4.31.3400C	4.31.3500C	4.31.3600C

Art. 313

Coppia di parallele magnetiche guidate
Pair of guided parallels magnetic plates

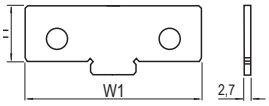






Art. 313R

Coppia di parallele magnetiche guidate ridotte
Pair of narrow guided parallels magnetic plates



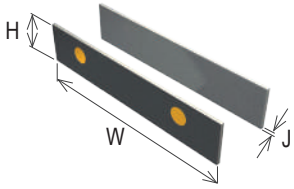
SPECIFICARE SEMPRE QUOTA "H" - ALWAYS SPECIFY **"H"** DIMENSION

W1	74	94	124	144	169	194
Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C	4.31.3R50C	4.31.3R60C

Utilizzabili per qualsiasi tipo o marca di morsa - To be used with any vise type or brand

Art. 414

Coppia di parallele magnetiche universali
Pair of universal parallels magnetic plates

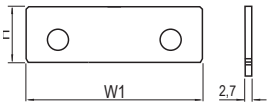


SPECIFICARE SEMPRE QUOTA "H" - ALWAYS SPECIFY **"H"** DIMENSION

W	100	125	150	175	200	300
J	2,7	2,7	2,7	2,7	2,7	2,7
Cod.	4.41.4100C	4.41.4200C	4.41.4300C	4.41.4400C	4.41.4500C	4.41.4600C

Art. 414R

Coppia di parallele magnetiche ridotte universali
Pair of universal narrow narrow parallels magnetic plates



SPECIFICARE SEMPRE QUOTA "H" - ALWAYS SPECIFY **"H"** DIMENSION

W1	74	94	124	144	169	194
Cod.	4.41.4R10C	4.41.4R20C	4.41.4R30C	4.41.4R40C	4.41.4R50C	4.41.4R60C

SET RISPARMIO FINO AL 43% - SAVING WITH THE SET UP TO 43%

Aggiungendo solo **2€** al set di parallele hai in regalo la rastrelliera Art.317X ! - Rack Art.317X supplied with the SET with **2€** only

6 COPPIE - PAIRS

6 coppie di parallele - If you purchase 6 pairs of parallels plates (Art.313-313R / 414-414R)

Prezzo Cad. se acquistate con set
Price each in case of set purchase

10 COPPIE - PAIRS

10 coppie di parallele - If you purchase 10 pairs of parallels plates (Art.313-313R / 414-414R)

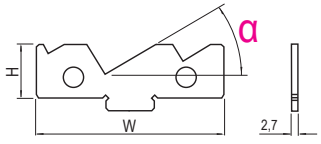
Prezzo Cad. se acquistate con set
Price each in case of set purchase

Tipo (grandezza) / Vise type (size)	1	2	3	4	5	6
α	20°					
	25°					
	30°					
	35°					
	40°					
	45°					

Art. 314

Coppia di parallele magnetiche angolari
Pair of angolar magnetic parallels plates





SPECIFICARE SEMPRE QUOTA "α" - SPECIFY ALWAYS "α" DIMENSION

W	100	125	150	175	200	300
H	**23**	**33**	**43**	**53**	**53**	**68**
Cod.	4.31.4100C	4.31.4200C	4.31.4300C	4.31.4400C	4.31.4500C	4.31.4600C

SET RISPARMIO FINO AL 43% - SAVING WITH THE SET UP TO 43%

Aggiungendo solo **2€** al set di parallele hai in regalo la rastrelliera Art.317X ! - Rack Art.317X supplied with the SET with **2€** only

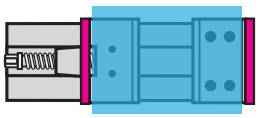
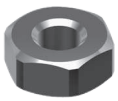
Art. 312

Acquistando 6 coppie di parallele magnetiche (Art.314)
If you purchase 6 pairs of angolar parallels plates (Art.314)

6 COPPIE - PAIRS

Prezzo Cad. se acquistate con set
Price each in case of set purchase

ACCESSORI PER GANASCE / ACCESSORIES FOR JAWS

Tipo (grandezza) / Vise type (size)		1	2	3	4	5	6
Art. 132 Prolunga per ganascia mobile. Larghezza normale Extension for movable jaw. Normal width	NO StandardFLEX	Cod. 2.13.21000	2.13.22000	2.13.23000	2.13.24000	2.13.25000	2.13.26000
Art. 134 Prolunga per ganascia mobile. Super ridotta Extension for movable jaw. Super narrow	 	Cod. 2.13.41000	2.13.42000	2.13.43000	2.13.44000	2.13.45000	2.13.46000
Art. 133 Prolunga per ganascia fissa. Larghezza normale Extension for fixed jaw. Normal width	 	Cod. 2.13.31000	2.13.32000	2.13.33000	2.13.34000	2.13.35000	2.13.36000
Art. 135 Prolunga per ganascia fissa. Ridotta e super ridotta Extension for fixed jaw. Narrow and super narrow	NO StandardFLEX	Cod. 2.13.51000	2.13.52000	2.13.53000	2.13.54000	2.13.55000	2.13.56000
Art. 260 Segmento oscillante per ganasce mobili. ***Art. 190 - 191*** Floating segment for movable jaws. ***Art. 190 - 191***		Cod. 1.26.01000	1.26.02000	1.26.03000	1.26.04000	1.26.05000	1.26.06000
Art. 362 Molla per piastre ganasce Spring for jaw plates		Cod. 0.70.10000	0.70.10000	0.70.30000	0.70.30000	0.70.30000	0.70.30000
Art. 380 Vite TCEI fissaggio corpo ganascia fissa Hex socket and screw for fixed jaw body		Cod. 0.01.11030	0.01.10865	0.01.11450	0.01.11660	0.01.12065	0.01.12080
Art. 381 Vite TCEI fissaggio piastra ganascia fissa Hex socket screw for fixed plate		Cod. 0.01.10565	0.01.11240	0.01.11451	0.01.11661	0.01.12066	0.01.12081
Art. 382 Vite TCEI fissaggio piastra ganascia mobile Hex socket and screw for movable jaw plate		Cod. 0.01.10525	0.01.10830	0.01.10840	0.01.10845	0.01.11050	0.01.11065
Art. 383 Vite TCEI fissaggio piastra ganascia fissa doppia Hex socket and screw for double fixed jaw		Cod. 0.01.10520	0.01.10620	0.01.10820	0.01.11820	0.01.11020	0.01.11020
Art. 384 Vite TCEI per arresto laterale Hex socket and screw for workstop		Cod. 0.06.11100	0.0622200	0.06.33300	0.06.44400	0.06.55500	0.06.66600
Art. 385 Vite TCBEI fisssaggio piastra ganascia piana Hex socket screw for straight-plate		Cod. 0.01.10510	0.01.10511	0.01.10512	0.01.10513	0.01.10514	0.01.10515
Art. 431 Rondella per arresto laterale Washer for workstop		Cod. 2.43.11000	2.43.12000	2.43.13000	2.43.14000	2.43.15000	2.43.16000
Art. 440 Dado per arresto laterale Nut for workstop		Cod. 2.44.01000	2.44.02000	2.44.03000	2.44.04000	2.44.05000	2.44.06000
Art. 570 Puntale sferico Liscio Smooth spherical point		Cod. 1.57.01000		1.57.03000		1.57.05000	
Art. 570S Puntale sferico zigrinato Serrated spherical point		Cod. 1.57.0S100		1.57.0S300		1.57.0S500	

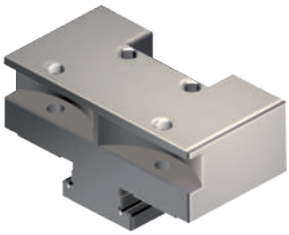
CORPI GANASCE STANDARD / BODIES STANDARD JAWS

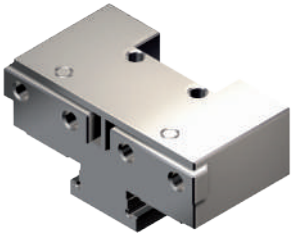
Tipo (grandezza) / Vise type (size)		1	2	3	4	5	6
Art. 300 Corpo ganascia fissa. **Larghezza normale** Body fixed jaw. **Normal width**	Cod.	1.35.10000	1.35.20000	1.35.30000	1.35.40000	1.35.50000	1.35.60000
Art. 301 Corpo ganascia fissa. **Larghezza ridotta rettificata** Body fixed jaw. **Normal width ground**	Cod.	1.35.10300	1.35.20300	1.35.30300	1.35.40300	1.35.50300	1.35.60300
Art. 303 Corpo ganascia fissa doppia. **Larghezza normale** Double body fixed jaw. **Normal width**	Cod.	1.35.10900	1.35.20900	1.35.30900	1.35.40900	1.35.50900	1.35.60900
Art. 304 Corpo ganascia fissa doppia. **Larghezza ridotta rettificata** Double body fixed jaw. **Normal width ground**	Cod.	1.35.11200	1.35.21200	1.35.31200	1.35.41200	1.35.51200	1.35.61200
Art. 306 Corpo ganascia mobile guidata. **Larghezza normale** Body guided movable jaw. **Normal width**	Cod.	1.36.10000	1.36.20000	1.36.30000	1.36.40000	1.36.50000	1.36.60000
Art. 302 Corpo ganascia mobile oscillante: **Larghezza normale** Body floating movable jaws. **Normal width**	Cod.	4.30.21000	4.30.22000	4.30.23000	4.30.24000	4.30.25000	4.30.26000
Art. 307 Corpo ganascia mobile guidata. **Larghezza ridotta rettificata** Body guided movable jaw. **Narrow width ground**	Cod.	1.36.11000	1.36.21000	1.36.31000	1.36.41000	1.36.51000	1.36.61000
Art. 305 Corpo ganascia mobile guidata per segmenti oscillanti. **Larghezza normale** Body guided movable jaw for floating elements. **Normal width**	Cod.	4.30.51000	4.30.52000	4.30.53000	4.30.54000	4.30.55000	4.30.56000
Art. 308 Corpo ganascia mobile oscillante per segmenti oscillanti. **Larghezza normale** Body floating movable jaw for floating elements. **Normal width**	Cod.	1.36.10400	1.36.20400	1.36.30400	1.36.40400	1.36.50400	1.36.60400
Art. 309 Corpo ganascia mobile oscillante per segmenti oscillanti. Larghezza ridotta Body floating movable jaw for floating elements. **Narrow width**	Cod.	1.36.10700	1.36.20700	1.36.30700	1.36.40700	1.36.50700	1.36.60700
Art. 190 Corpo ganascia mobile oscillante guidata con 2 segmenti oscillanti. **Larghezza normale** Body guided floating movable jaw with 2 floating segments. **Normal width**	Cod.	2.19.01000	2.19.02000	2.19.03000	2.19.04000	2.19.05000	2.19.06000
Art. 191 Corpo ganascia mobile oscillante guidata con 2 segmenti oscillanti. **Larghezza ridotta** Body guided floating movable jaw with 2 floating segments. **Narrow width**	Cod.	2.19.11000	2.19.12000	2.19.13000	2.19.14000	2.19.15000	2.19.16000











CORPI GANASCE PIANE / BODY - STRAIGHT JAWS

Tipo (grandezza) / Vise type (size)		1	2	3	4	5	6
Art. 315 Corpo ganascia fissa. **Larghezza normale** Body fixed jaw. **Normal width**	Cod.	1.35.11800	1.35.21800	1.35.31800	1.35.41800	1.35.51800	1.35.61800
Art. 316 Corpo ganascia fissa. **Larghezza ridotta rettificata** Body fixed jaw. **Narrow width ground**	Cod.	1.35.12100	1.35.22100	1.35.32100	1.35.42100	1.35.52100	1.35.62100
Art. 318 Corpo ganascia fissa doppia. **Larghezza normale** Double body fixed jaw. **Normal width**	Cod.	1.35.12700	1.35.22700	1.35.32700	1.35.42700	1.35.52700	1.35.62700
Art. 319 Corpo ganascia fissa doppia. **Larghezza ridotta rettificata** Double body fixed jaw. **Narrow width ground**	Cod.	1.35.13000	1.35.23000	1.35.33000	1.35.43000	1.35.53000	1.35.63000
Art. 321 Corpo ganascia mobile guidata. **Larghezza normale** Body guided movable jaw. **Normal width**	Cod.	1.36.11600	1.36.21600	1.36.31600	1.36.41600	1.36.51600	1.36.61600
Art. 322 Corpo ganascia mobile guidata. **Larghezza ridotta rettificata** Body guided movable jaw. **Narrow width ground**	Cod.	1.36.12200	1.36.22200	1.36.32200	1.36.42200	1.36.52200	1.36.62200
Art. 323 Corpo ganascia mobile oscillante. **Larghezza normale** Body floating movable jaw. **Normal width**	Cod.	1.36.11300	1.36.21300	1.36.31300	1.36.41300	1.36.51300	1.36.61300
Art. 324 Corpo ganascia mobile oscillante. **Larghezza ridotta rettificata** Body floating movable jaw. **Narrow width ground**	Cod.	1.36.11900	1.36.21900	1.36.31900	1.36.41900	1.36.51900	1.36.61900

CORPI GANASCE PER PIASTRE INTERCAMBIABILI MANUALMENTE
JAW BODIES FOR QUICK INTRCHANGEABLE JAW PLATES

		1	2	3	4	5	6
Art. 300A Corpo ganascia fissa Fixed jaw body	Cod.	1.30.0A100	1.30.0A200	1.30.0A300	1.30.0A400	1.30.0A500	1.30.0A600
Art. 303A Corpo ganascia fissa doppia Double fixed jaw body	Cod.	1.30.3A100	1.30.3A200	1.30.3A300	1.30.3A400	1.30.3A500	1.30.3A600
Art. 306A Corpo ganascia mobile guidata Guided movable jaw body	Cod.	1.30.6A100	1.30.6A200	1.30.6A300	1.30.6A400	1.30.6A500	1.30.6A600
Art. 306B Pattino per ganasce mobili guidate Sliding plate for guided movable jaw	Cod.	1.30.6B100	1.30.6B200	1.30.6B300	1.30.6B400	1.30.6B500	1.30.6B600
Art. 306C Pattino per ganasce mobili oscillanti Sliding plate for floating movable jaw **Y1 = Y - 1mm**	Cod.	1.30.6C100	1.30.6C200	1.30.6C300	1.30.6C400	1.30.6C500	1.30.6C600

GRUPPI PREASSEMBLATI / PRE-ASSEMBLED GROUP

Tipo (grandezza) / Vise type (size)	**1**	**2**	**3**	**4**	**5**	**6**
Ø B	180	225	290	320	370	400
C	50	52	65	80	94	116
D	112	146	175	200	220	240
E	155	195	245	272	310	340
F	20	23	28	28	34	38
G	11	14	20	20	25	25
H	6,5	8,5	12,5	12,5	17	17
L	7	10	13	13	17	17
M	12	14	20	20	26	26
N	10	13	16	16	20	20
O	6,5	8,5	12,5	12,5	16,5	16,5
kg	3,3	5,5	10,8	13	21	25,3
Cod.	2.10.51000	2.10.52000	2.10.53000	2.10.54000	2.10.55000	2.10.56000

Art. 105
Base girevole
Swivel base



Art. 105 - Senza alcuna dotazione
Art. 105 - Supplied without accessory equipment

Art. 365 Anello esterno per base girevole / Outer ring swivel base



Cod.	1.81.11000	1.81.21000	1.81.31000	1.81.41000	1.81.51000	1.81.61000

Art. 366 Anello interno per base girevole / Inner ring swivel base



Cod.	1.81.12000	1.81.22000	1.81.32000	1.81.42000	1.81.52000	1.81.62000

Art. 367 Staffa per base girevole / Clamp swivel base



Cod.	1.84.10000	1.84.20000	1.84.30000	1.84.40000	1.84.50000	1.84.60000

Art. 368 Spina cilindrica per base girevole / Straight pin swivel base



Cod.	0.80.11000	0.80.21000	0.80.31000	0.80.41000	0.80.51000	0.80.61000

Art. 420 Vite esagonale per base girevole / Bolt swivel base



Cod.	0.05.08035	0.05.10035	0.05.10040	0.05.12050	0.05.14060	0.05.14060

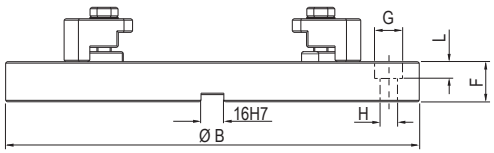
Art. 430 Rondella per base girevole / Washer swivel base

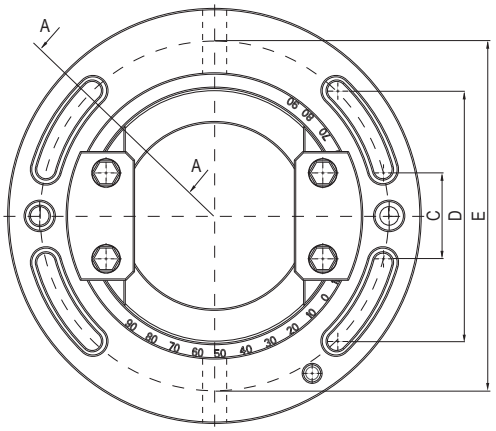


Cod.	0.75.18416	0.75.11052	0.75.11052	0.75.11325	0.75.11525	0.75.11525

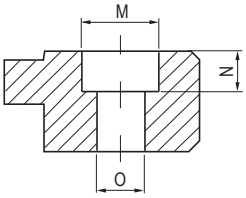
Art. 105 Base girevole / Swivel base

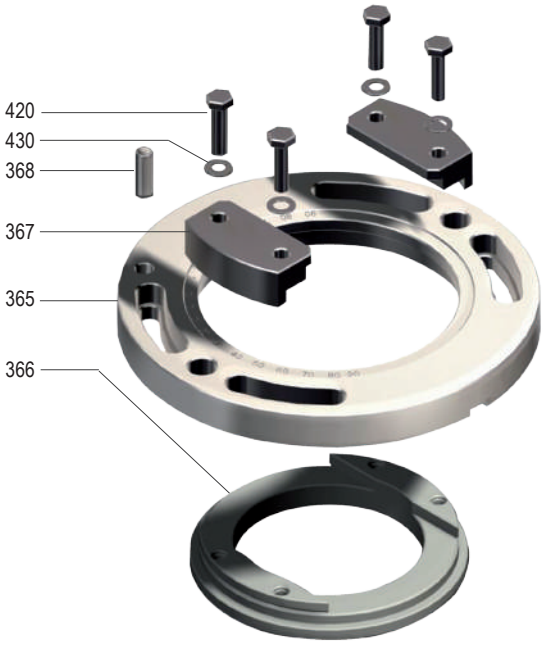
(Art. 365 + 366 + 367 + 368 + 420 + 430)





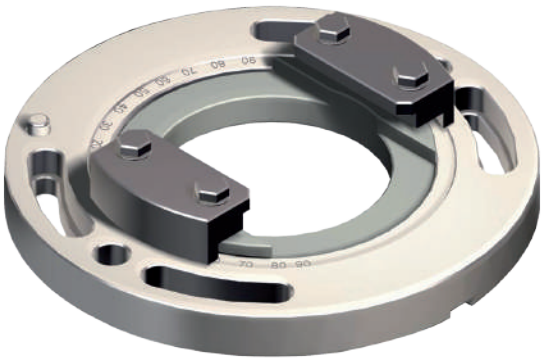
Sezione / Section "**A-A**"





4

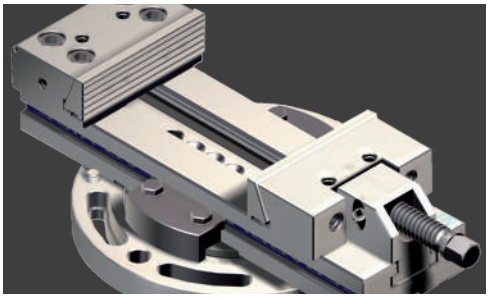
GRUPPI PREASSEMBLATI / PRE-ASSEMBLED GROUP



Art. 105

Base girevole

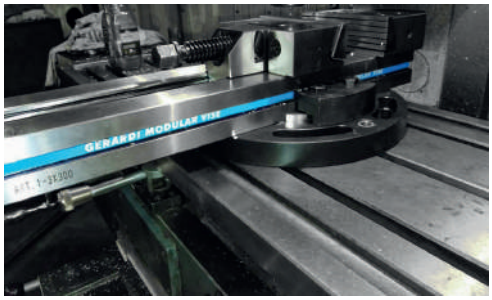
Swivel base



Art. 2

Morsa STD Art. 1 + Base girevole Art.105

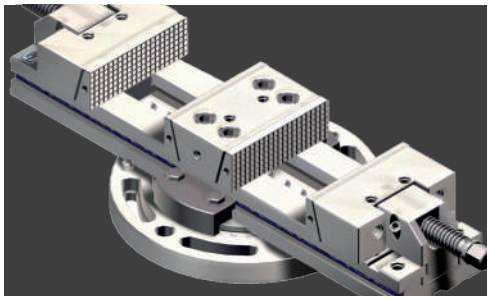
Art. 1 STD vise + Swivel base Art.105



Art. 2

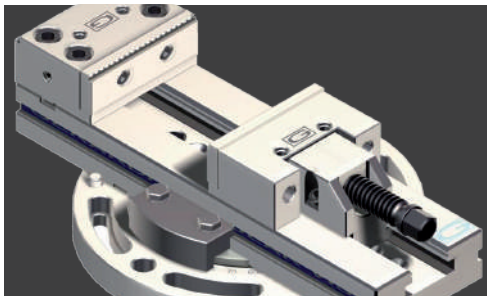
Morsa STD Art. 1 + Base girevole Art.105

Art. 1 STD vise + Swivel base Art.105



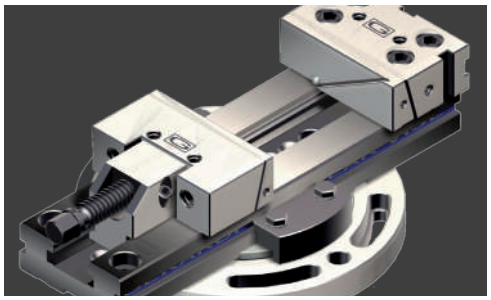
Morsa XL Art. 30A + Base girevole Art.105

Art. 30A XL vise + Swivel base Art.105



Morsa STD Art. 15 + Base girevole Art.105

Art. 15 STD vise + Swivel base Art.105



Art. 2A

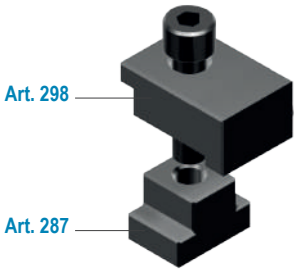
Morsa STD Art. 1A + Base girevole Art.105

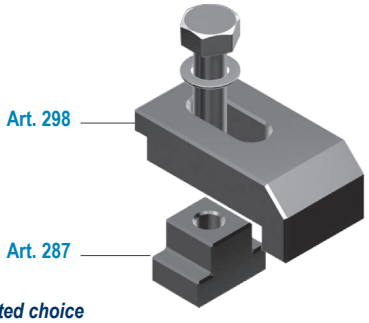
Art. 1A STD vise + Swivel base Art.105

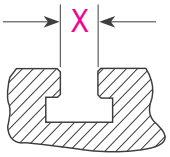
STAFFE DI ANCORAGGIO PER MORSE / VISE HOLDING CLAMPING

Art. 296

Coppia di staffe Art. 298 complete di vite e dado a **T** (Art. 287) / Pair of vise holding clamps Art. 298 complete of screws and **T** nuts (Art. 287)







Specificare sempre la cava della vostra macchina

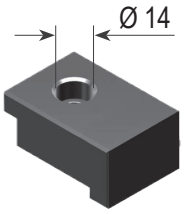
Always specify the machine T-slot dimension

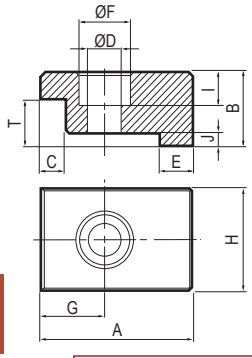
* *Scelta consigliata - Suggested choice*

Morse / Vises	Tipo (grandezza) morsa / Vise (type) size							
STD	1	1 - 2			3 - 4		5 - 6	
FMS	1	1			2 - 3		4 - 5 - 6	
MULTIFLEX	1	1			2 - 3		-	
MULTITASKING	-	3			-		-	
COMPACT GRIP	-	1 - 2 - 3			-		-	
GRIPMATIC	-	2 - 3 - 4			-		-	
Staffe / Holding Clamps	M8	M10	M12 *	M16	M12 *	M16	M12	M16 *
Cod.	2.29.61000 / M8	2.29.61000 / M10	2.29.61000 / M12	2.29.61000 / M16	2.29.63000 / M12	2.29.63000 / M16	2.29.65000 / M12	2.29.65000 / M16

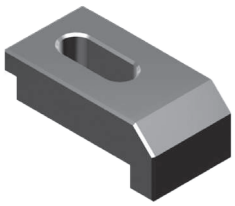
Art. 298

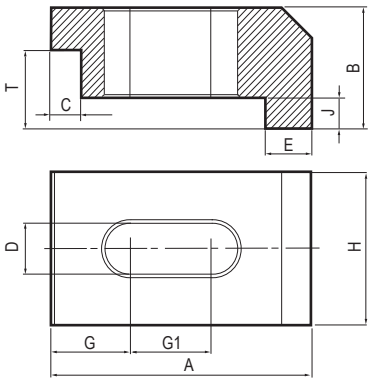
Staffe di ancoraggio per morse (Venduta singolarmente) / Vise holding clamps (Single)





Solo per tipo 1 x M8
Only for type 1 x M8





* *Scelta consigliata - Suggested choice*

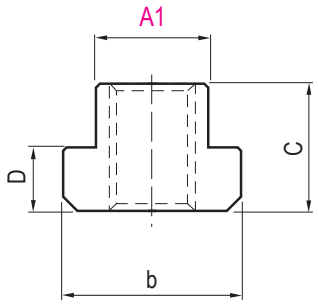
Morse / Vises	Tipo (grandezza) morsa / Vise (type) size							
STD	1	1 - 2			3 - 4		5 - 6	
FMS	1	1			2 - 3 - 4		5 - 6	
MULTIFLEX	1	1			2 - 3		-	
MULTITASKING	-	3			-		-	
COMPACT GRIP	-	1 - 2 - 3			-		-	
GRIPMATIC	-	2 - 3 - 4			-		-	
Staffe / Holding Clamps	M8	M10	M12 *	M16	M12 *	M16	M12	M16 *
A	50	50	50	50	76	76	86	86
B	24	24	24	24	30	30	40	40
C	6	6	6	6	6	6	10	10
Ø D	8,5	11	13	17	13	17	13	17
E	10	10	10	10	13	13	15	15
Ø F	14	-	-	-	-	-	-	-
G / G1	17	16 / 15	17,5 / 13	19 / 9	17 / 22	16 / 15	26 / 27	26 / 27
H	34	34	34	34	42	42	50	50
I	8	10	10	10	-	-	-	-
J	4	4	4	4	10	10	10	10
T ± 0,1	15	15	15	15	20	20	26	26
Cod.	2.29.81000 / M8	2.29.81000 / M10	2.29.81000 / M12	2.29.81000 / M16	2.29.83000 / M12	2.29.83000 / M16	2.29.85000 / M12	2.29.85000 / M16

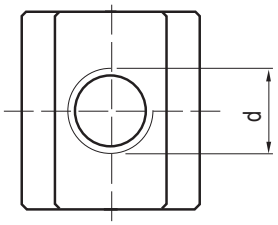
4

Art. 287

Dadi per cave a **T**
Nuts for **T** slots

DIN 508





In fase d'ordine, completare il codice specificando il numero ***N*** di dado a **T**

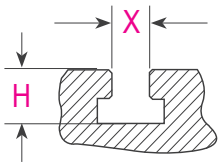
In the purchase order specify the ***N*** number of the **T** nut in the code

N	d	A1	b	C	D
~~01~~	~~M5 x 6~~	~~5,7~~	~~10~~	~~8~~	~~4~~
02	M5 x 8	7,7	13	10	5
03	M5 x 10	9,7	15	12	6
04	M6 x 8	7,7	13	10	5
05	M6 x 10	9,7	15	12	6
06	M6 x 12	11,7	18	14	7
~~07~~	~~M8 x 10~~	~~9,7~~	~~15~~	~~12~~	~~6~~
08	M8 x 12	11,7	18	14	7
09	M8 x 14	13,7	22	16	8
10	M8 x 16	15,7	25	18	9
11	M8 x 18	17,7	28	20	10
~~12~~	~~M10 x 12~~	~~11,7~~	~~18~~	~~14~~	~~7~~
13	M10 x 14	13,7	22	16	8
14	M10 x 16	15,7	25	18	9
15	M10 x 18	17,7	28	20	10
16	M10 x 20	19,7	32	24	12
17	M10 x 22	21,7	35	28	14
18	M10 x 24	23,7	40	32	16
~~19~~	~~M12 x 14~~	~~13,7~~	~~22~~	~~16~~	~~8~~
20	M12 x 16	15,7	25	18	9
21	M12 x 18	17,3	28	20	10
22	M12 x 20	19,7	32	24	12
23	M12 x 22	21,7	35	28	14
24	M12 x 24	23,7	40	32	16
25	M12 x 28	27,7	44	36	18
26	M12 x 30	29,7	48	38	19
~~27~~	~~M14 x 16~~	~~15,7~~	~~25~~	~~18~~	~~9~~
28	M14 x 18	17,7	28	20	10
29	M14 x 20	19,7	32	24	12
30	M14 x 22	21,7	35	28	14

N	d	A1	b	C	D
31	M14 x 24	23,7	40	32	16
~~32~~	~~M16 x 18~~	~~17,7~~	~~28~~	~~20~~	~~10~~
33	M16 x 20	19,7	32	24	12
34	M16 x 22	21,7	35	28	14
35	M16 x 24	23,7	40	32	16
36	M16 x 28	27,7	44	36	18
37	M16 x 30	29,7	48	38	19
38	M16 x 36	35,6	54	44	22
~~39~~	~~M18 x 20~~	~~19,7~~	~~32~~	~~24~~	~~12~~
~~40~~	~~M18 x 22~~	~~21,7~~	~~35~~	~~28~~	~~14~~
41	M18 x 24	23,7	40	32	16
42	M18 x 28	27,7	44	36	18
43	M18 x 30	29,7	48	38	19
44	M18 x 36	35,6	54	44	22
~~45~~	~~M20 x 22~~	~~21,7~~	~~35~~	~~28~~	~~14~~
~~46~~	~~M20 x 24~~	~~23,7~~	~~40~~	~~32~~	~~16~~
47	M20 x 28	27,7	44	36	18
48	M20 x 30	29,7	48	38	19
49	M20 x 36	35,6	54	44	22
50	M20 x 42	41,6	65	52	26
~~51~~	~~M20 x 48~~	~~47,6~~	~~75~~	~~60~~	~~30~~
52	M24 x 28	27,7	44	36	18
53	M24 x 30	29,7	48	38	19
54	M24 x 36	35,6	54	44	22
55	M24 x 42	41,6	65	52	26
56	M24 x 48	47,6	75	60	30
~~57~~	~~M30 x 36~~	~~35,6~~	~~54~~	~~44~~	~~22~~
58	M30 x 42	41,6	65	52	26
59	M30 x 48	47,6	75	60	30
60	M30 x 54	53,6	85	70	35

Esempio / Example
Cod. 2.28.74000 / **24**

DIN 650



Specificare sempre la cava della vostra macchina
Always specify the machine T-slot dimension

~~**Scelta NON consigliata - NOT Suggested choice**~~

X	0 ÷ 22	23 ÷ 36	37 ÷ 54
Cod.	2.28.72000 / N	2.28.740000 / N	2.28.76000 / N

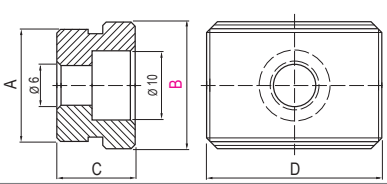
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 297

Coppia di tasselli di posizionamento completi di vite M5 x 10 / ***Specificare sempre quota B***
Pair of positioning key-nuts with M5 x 10 clamping screw / ***Specify always B dimension***



Altri tipi e misure fornibili a richiesta
Other types and dimensions available on request



A	16									
B	10	12	14	16	18	20	22	24	28	36
C	10	10	10	10	10	12	12	12	12	12
D	25									
Cod.	2.29.71000									

ATTREZZI e DOTAZIONI / TOOLS and EQUIPMENT

Art. 291

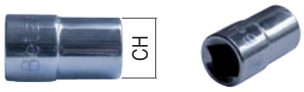
Tappo incavo per alloggiamento sfera solo per Art.1A
Concave cap for sphere only for Art.1A



Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Ø	13,2	20,8	20,8	25,8	25,8	25,8
Cod.	1.29.11000	1.29.12000	1.29.13000	1.29.14000	1.29.15000	1.29.16000

Art. 325

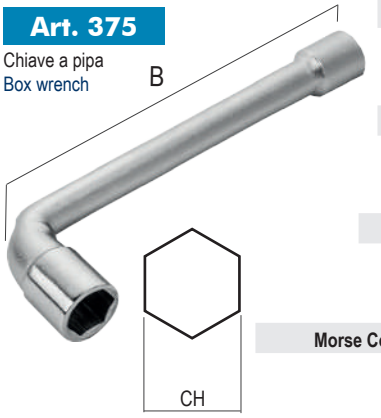
Chiave esagonale a bussola
Hexagon bushing



CH	14 - 16 - 17 - 18 - 19 - 21 - 22			24 - 27 - 30 - 32		
Cod.	0.09.325CH			0.09.325CH		

Tipo (grandezza) morsa / Vise type (size)		0	1	2	3	4	5	6
Art. 370 Arresto laterale completo / Complete workstop								
Vite / Screw	M		10		12		16	
Staffa / Bracket	mm		90x30x15		120x30x15		160x40x25	
Morse Standard / FMS Standard / FMS Vises	Cod.	-	2.37.01000		2.37.03000		2.37.05000	
Vite / Screw	M		6	8	10			
Staffa / Bracket	mm		42x14x8	60x18x12	90x30x15			
Morse Multitasking Multitasking Vises	Cod.	-	7.37.01000	7.37.02000	2.37.01000		-	-
Vite / Screw	M		10	10				
Staffa / Bracket	mm		60x20x12	90x30x15				
Morse Multiflex Multiflex Vises	Cod.	-	6.37.01000	2.37.01000		-	-	-
Art. 370K Arresto laterale morse OK / Workstop for OK vises								
Perno / Pin	M	5	6	6	6	8	8	-
Staffa / Bracket	mm	40x16x12	55x16x12	70x20x14	70x20x14	-	90x20x18	-
Morse OK OK Vises	Cod.	7.66.6I000	7.66.6I100	7.66.6I200	7.66.6I300	7.66.6I400	7.66.6I500	-
Art. 370EM Arresto laterale magnetico / Magnetic workstop								
Perno / Pin	Ø		5	6				
Staffa / Bracket	mm		30x14x8	45x20x10				
Morse CompactGRIP CompactGRIP Vises	Cod.	-	7.37.01000/MTK	7.37.02000/MTK		-	-	-

Tipo (grandezza) morsa / Vise type (size)	1		2		3		4		5		6	
	CH	B	CH	B	CH	B	CH	B	CH	B	CH	B
Art. 375 Chiave a pipa / Box wrench												
Morse Standard / Standard Vises	12	160	19	250	22	300	22	300	30	480	30	480
Cod.	4.37.512160		4.37.519250		4.37.522300		4.37.522300		4.37.530480		4.37.530480	
Morse FMS / FMS Vises	16	250	16	250	19	250	19	250	27	250	27	250
Cod.	4.37.516250		4.37.516250		4.37.519250		4.37.519250		4.37.519250		4.37.519250	
Vedi pag. 5.61 See pag. 5.61												
Morse Multitasking / Multitasking Vises	12	160	16	250	16	250	-	-	-	-	-	-
Cod.	4.37.512160		4.37.516250		4.37.516250		-		-		-	
Vedi pag. 7.29 See pag. 7.29												
Morse CompactGrip - MaxiGrip / CompactGrip - MaxiGrip Vises	10	160	12	160	16	250	17	280	-	-	-	-
Cod.	4.37.510160		4.37.512160		4.37.516250		4.37.517280		-		-	
Vedi pag. 7.29 See pag. 7.29												



Art. 376

Chiave a T
T wrench

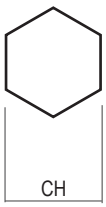


CH	4	5	6		10	
Cod.	0.09.21400	0.09.22500	0.09.23600		0.09.25100	

Art. 377

Chiave esagonale serie lunga
Hexagon wrench long reach





CH	2	2,5	3	3,5	4	4,5
Cod.	0.09.37702	0.09.37725	0.09.37703	0.09.37735	0.09.37704	0.09.37745
CH	5	6	7	8	9	10
Cod.	0.09.37705	0.09.37706	0.09.37707	0.09.37708	0.09.37709	0.09.37710
CH	12	13	14	17	19	-
Cod.	0.09.37712	0.09.37713	0.09.37714	09.37717	0.09.37719	-

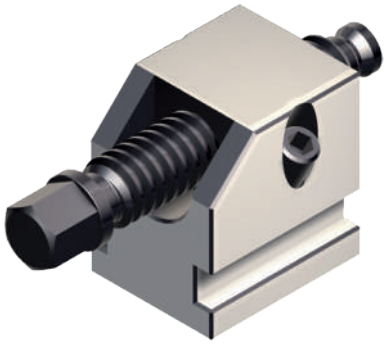
Tipo (grandezza) morsa / Vise type (size)	1	2	3
Art. 357 Chiave dinamometrica digitale a cricchetto con attacco 1/2" / Torque wrench digital ratchet type with hexagon with 1/2" driver square			
Nm	10÷135	20÷200	34÷340
Cod.	2.35.71000	2.35.72000	2.35.73000



DISPOSITIVI MECCANICI / MECHANICAL BLOCKING DEVICES

Art. 258

Gruppo di serraggio meccanico completo senza accessori
Mechanical clamping device complete No accessories



Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
kg	0,4	1	1,9	2,9	5,3	7,8
Cod.	2.25.81000	2.25.82000	2.25.83000	2.25.84000	2.25.85000	2.25.86000

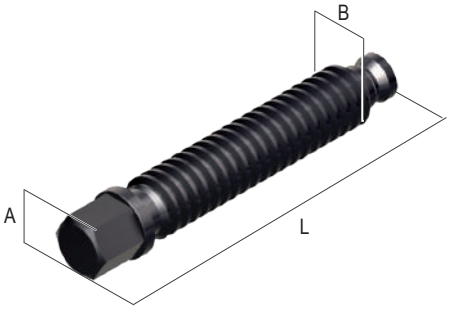
Per le forze di serraggio vedi pag. 4.00
For clamping force see page 4.00

RICAMBI / SPARE PARTS

4

Art. 360

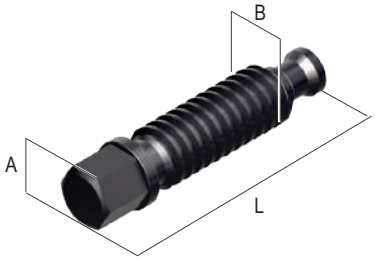
Vite di spinta. Normale
Clamping bolt. Normal



A	12	19	22	30
B	M12	TPN 18 x 4	TPN 24 x 5	TPN 30 x 5
L	100	130	150	190
Cod.	1.90.10144	1.90.20184	1.90.30245	1.90.50366

Art. 355

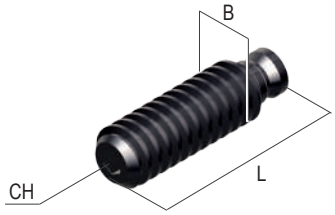
Vite di spinta. Ridotta
Clamping bolt. Short



A	12	19	22	30
B	M12	TPN 18 x 4	TPN 24 x 5	TPN 30 x 5
L	90	100	115	150
Cod.	1.90.14144	1.90.24184	1.90.34245	1.90.54366

Art. 356

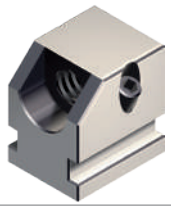
Vite di spinta. Super ridotta
Clamping bolt. Super short



CH	6	8	10	12
B	M12	TPN 18 x 4	TPN 24 x 5	TPN 30 x 5
L	53	73	81	113
Cod.	1.35.61000	1.35.62000	1.35.60003	1.35.60005

Art. 282A

Supporto di serraggio meccanico
Mechanical clamping device support



Cod.	2.28.2A100	2.28.2A200	2.28.2A300	2.28.2A400	2.28.2A500	2.28.2A600

Art. 410

Grano
Setscrew



Cod.	VSTEIPCL_ M8x20	VSTEIPCL_ M10x25	VSTEIPCL_ M12x30	VSTEIPCL_ M12x40	VSTEIPCL_ M20x50	VSTEIPCL_ M20x50
	M8 x 20	M10 x 25	M12 x 30	M12 x 40	M20 x 50	M20 x 50
	CH. 3	CH. 5	CH. 6	CH. 6	CH. 10	CH. 10

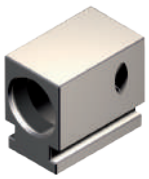
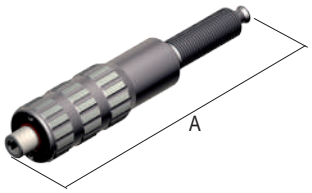
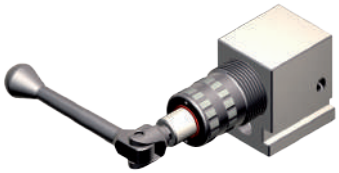
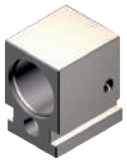
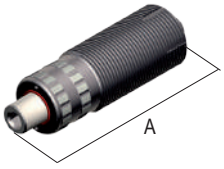
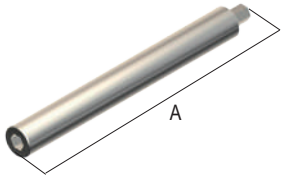
Art. 361

Sfera
Ball



Cod.	1.36.11001	1.36.12002	1.36.13003	1.36.14004	1.36.15005	1.36.16006
	9/16"	3/4"	7/8"	7/8"	1 1/8"	1 1/8"

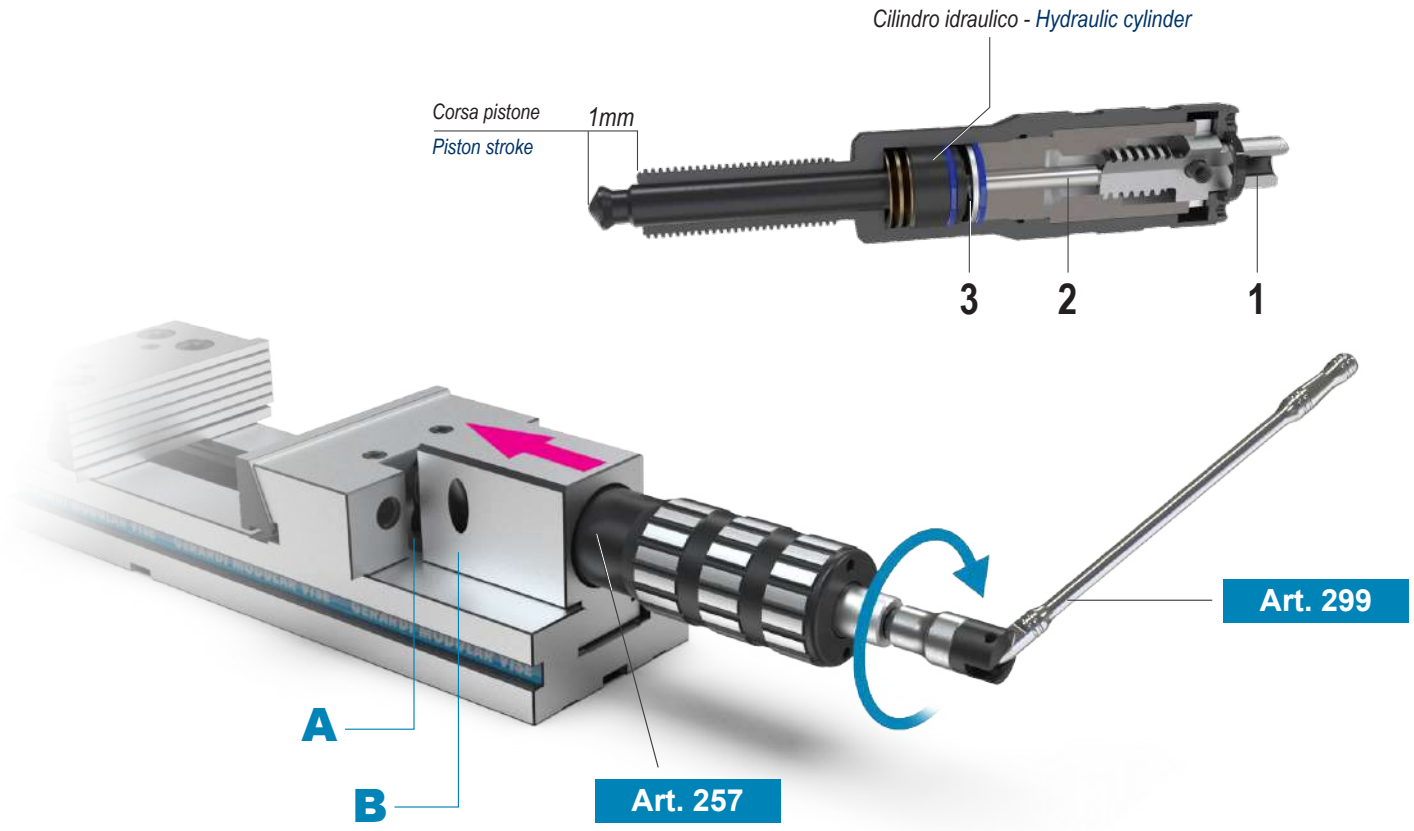
SERVOCOMANDI OLEODINAMICI / HYDRAULIC SERVO UNITS

Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 257 Gruppo di serraggio a vite idraulica (Autonomo) Hydraulic hand screw clamping device (Self contained)		Cod.	-	2.25.73000	2.25.74000	2.25.75000	2.25.76000
Art. 284A Supporto di serraggio per mandrino a vite idraulica Clamping support for hydraulic spindle		Cod.	-	2.28.4A300	2.28.4A400	2.28.4A500	2.28.4A600
Art. 286 Mandrino a vite idraulica Hydraulic spindle		Kn A Cod.	- - -	12 420 4.28.63000		20 359 4.28.65000	
Art. 295 Gruppo di serraggio a vite idraulica compatto Compact hydraulic hand screw clamping device		Cod.	-	4.29.53000	4.29.54000	4.29.55000	-
Art. 294A Supporto di serraggio per mandrino compatto a vite idraulica Clamping support for compact hydraulic spindle		Cod.	-	4.29.4A300	4.29.4A400	4.29.4A500	-
Art. 293 Mandrino compatto a vite idraulica Compact hydraulic spindle		Kn A Cod.	- - -	10 173 4.29.33000		- 4.29.35000	-
Art. 299 Manovella per mandrino a vite idraulica Crank hydraulic spindle		Cod.	-	429912M12			
Art. 292 Prolunga per Art. 299 Extension for Art. 299		A Cod.	 -	160 / 260 4.29.23000			

METODI ALTERNATIVI DI SERRAGGIO
ALTERNATIVE CLAMPING OPTION

Il gruppo di serraggio a vite idraulica **Art. 257** o la sua versione compatta **Art. 295** sono dei un moltiplicatori di forza manuale alternativi al gruppo di serraggio meccanico Art. 258; Tale dispositivo consente di applicare la medesima forza di serraggio della vite manuale con uno sforzo minore. Il mandrino a vite idraulica è azionato manualmente tramite l'apposita manovella in dotazione **Art. 299**. Verificare che il vano tra ganascia mobile **A** e supporto vite **B** sia pulito, in modo che il mandrino idraulico possa scorrere liberamente senza impedimenti che potrebbero causare attriti e di conseguenza minor forza di serraggio.

Ruotare in senso orario il mandrino utilizzando la manovella in dotazione **Art. 299**, muovendo la ganascia mobile **A** in avanti fino al contatto con il pezzo da serrare. Un' ulteriore rotazione farà scattare la frizione e di conseguenza da quel momento inizia la forza di spinta idraulica e mentre il mandrino rimane fermo, avanza la vite **1** che sospinge lo stantuffo **2** nella camera d'olio **3** generando pressione. Dopo il precarico meccanico **ogni giro di manovella genera una forza K** e ***quando il mandrino arriva in battuta, sviluppa la massima forza possibile.***



ATTENZIONE !

Quando il mandrino arriva in battuta, una ulteriore pressione sviluppata sulla manovella (Art. 299) potrebbe danneggiare in modo irreparabile il moltiplicatore.

ATTENTION !

When the spindle reach the end of his stroke, a further pressure on the wrench (Art. 299) can seriously damage the pressure multiplier

The hand hydraulic clamping group **Art.257** or its compact version **Art. 295** are a manual power multiplier alternative to the mechanical clamping group Art.258. This device allows to reach the same clamping power reachable with the mechanical screw through a minimum effort. The hand hydraulic screw is manually operated by the proper wrench **Art.299.** Make sure that space between the movable jaw **A** and the main spindle support **B** is clean so that the hydraulic spindle can move freely without chips inside causing frictions and consequently less clamping power.

Turn clockvise the spindle using the wrench **Art. 299** supplied in the standard equipment until the movable jaw **A** touches workpiece. A further rotation will start the power multiplier action; at every spindle turn an increasing clamping power will be applied to the workpiece. A further rotation will make the crank slipt and the hydraulic power will start. The hydraulic spindle will stop turning but the screw **1** will move forward to push the small piston **2** into the oil chamber **3** creating an overpressure and obviously clamping force. After the mechanical pre-loading **each turn of the wrench produce a K force** and ***when the spindle reaches the end of its possible run it reaches its max possible power.***

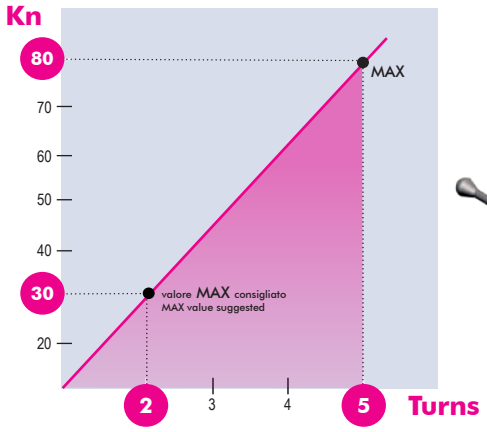
Diagrammi di serraggio / Clamping diagrams

Gruppi di serraggio idraulici
Hydraulic clamping devices

Diagrammi di serraggio meccanico con vite idraulica
Mechanical clamping diagrams with hydraulic hand screw

Morse tipo 3-4
Vises type

Autonomo - Self Containded

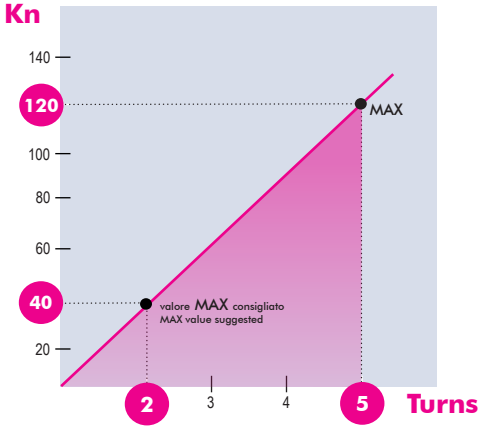




Art. 257

Morse tipo 5-6
Vises type

Autonomo - Self Containded

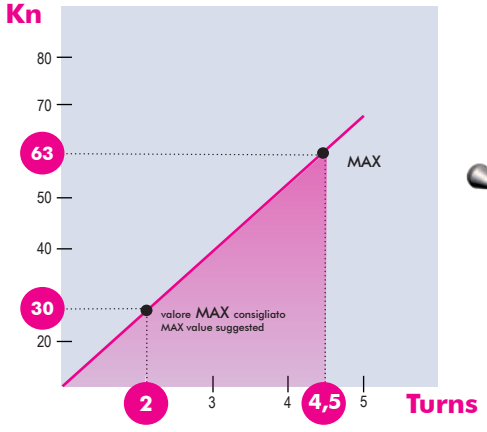


Gruppi di serraggio meccanici (Art.257 - Art.295) / Mechanical clamping devices (Art.257 - Art.295)

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con i seguenti gruppi di serraggio idraulici (da 1 a 6), in funzione dei giri applicati
The following diagrams give the clamping force that can be obtained with each hydraulic clamping devices type (size 1 to 6) depending on the turns

Morse tipo 3-4
Vises type

Compatto - Compact





Art. 295

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

4

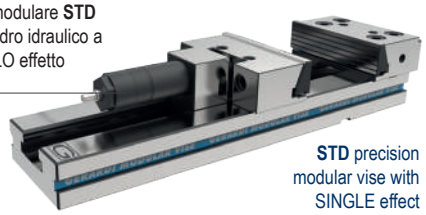
MORSE StandardMatic

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	X	78	103,5	98		78			
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	1.1E.10000	1.1E.20000	1.1E.32000	1.1E.33000	1.1E.42000	1.1E.43000	1.1E.44000	1.1E.45000

Art. 1E

NEW 2026

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



STD precision modular vise with SINGLE effect hydraulic cylinder

Art. 393

MAX 450bar

Centralina a comando manuale **singolo effetto**
Single effect power unit with manual control



Cod. 4.39.34500

Art. 394

MAX 450bar

Centralina a comando pneumatico remoto **singolo effetto**
Single effect power unit with remote pneumatic control



Per azionare la centralina è consigliato l'uso dell' ART.402 (vedi pag.4.52)

Cod. 4.39.44500

Art. 395

MAX 450bar

Centralina a comando elettrico **singolo effetto**
Single effect power unit with electrical control

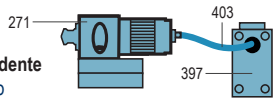


Cod. 4.39.54500

Art. 407

Gruppo di serraggio **indipendente**
Independent clamping group

MANUAL CONTROL



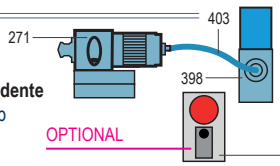
Le corse del pistone sono disponibili a pagina 4.54

Cod.	4.40.71000	4.40.72000	4.40.73000	4.40.74000

Art. 407A

Gruppo di serraggio **indipendente**
Independent clamping group

CNC CONTROL



Le corse del pistone sono disponibili a pagina 4.54

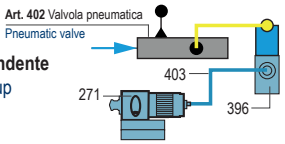
Cod.	4.40.7A100	4.40.7A200	4.40.7A300	4.40.7A400

Art. 401 Pulsantiera / Puschbutton board

Art. 407B

Gruppo di serraggio **indipendente**
Independent clamping group

AIR CONTROL

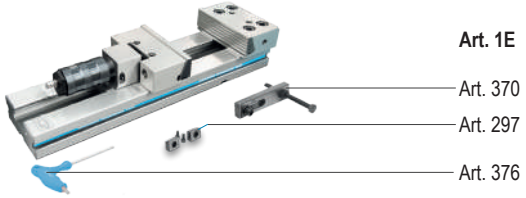


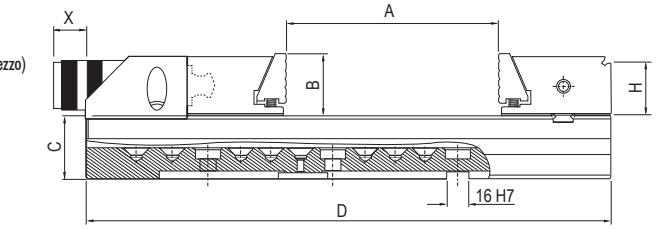
Cod.	4.40.7B100	4.40.7B200	4.40.7B300	4.40.7B400

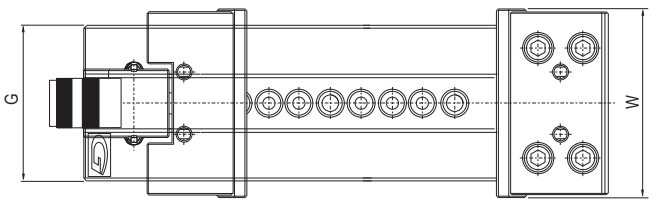
Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297 (Standard per cava da 16 mm; altre dimensioni a richiesta senza variazione di prezzo)
- 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7) Extra per ogni chiavetta (tolleranza H7)







Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts Art. 297 (Standard for 16 mm slot. Other dimensions available on request without price change)
- 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance) Extra charge for each calibrated key nut (F7 tolerance)

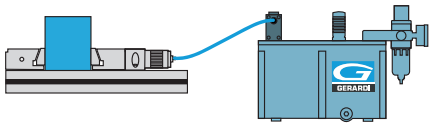
ESEMPIO D'ORDINE PER KIT COMPLETO: Art.1E (Morsa) + Art.393 (centralina a comando manuale) + Art.403 (tubo 1,5M)
COMPLETE KIT ORDER EXAMPLE: Art.1E (Vise) + Art.393 (power unit with manual control) + Art.403 (pipe 1,5M)

StandardMatic VISES

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
X			64						43,5			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.1E.52000	1.1E.53000	1.1E.54000	1.1E.55000	1.1E.56000	1.1E.62000	1.1E.63000	1.1E.64000	1.1E.65000	1.1E.66000	1.1E.67000	1.1E.68000

4.39.34500 — 4.39.34500

Art. 393

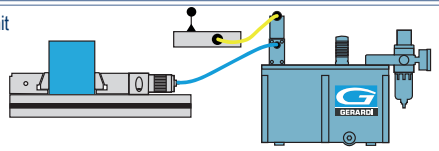


MANUAL CONTROL

Suggest the ART.402 (see pag.4.52) to use power unit

4.39.44500 — 4.39.44500

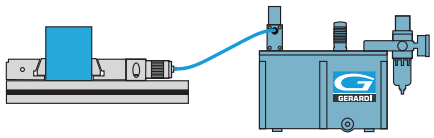
Art. 394



AIR CONTROL

4.39.54500 — 4.39.54500

Art. 395



CNC CONTROL

Piston strokes are available at page 4.54

4.40.75000 — 4.40.76000

Art. 407

MANUAL CONTROL

Piston strokes are available at page 4.54

4.40.7A500 — 4.40.7A600

Art. 407A

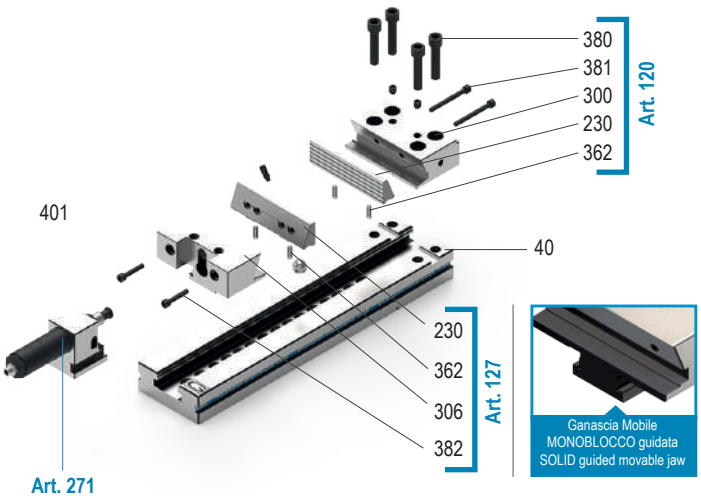
CNC CONTROL

4.40.7B500 — 4.40.7B600

Art. 407B

Pneumo-hydraulic servo units (complete of hydraulic cylinder + support) for multiple clamping ***simultaneous*** or ***indipendent***, from 2 to 6 vises. See from page 4.38 to 4.49

Art. 1E



Art.	Pag.
40	1.24
230	4.9
271	4.54
300	4.29
306	4.29
362	4.28
380	4.28
381	4.28
382	4.28

4

MORSE StandardMatic

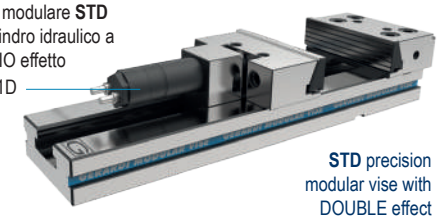
Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN		4 30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150		175			
	B	30	40	50		60			
	C	35	40	50		58			
	D	270	345	420	520	455	555	655	755
	G	75	95	125		145			
	X	78	103,5	98		78			
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	1.1F.10000	1.1F.20000	1.1F.32000	1.1F.33000	1.1F.42000	1.1F.43000	1.1F.44000	1.1F.45000

Art. 1F

NEW 2026

Morsa modulare **STD** con cilindro idraulico a DOPPIO effetto

Art.271D



STD precision modular vise with DOUBLE effect hydraulic cylinder

Art. 393D

MAX 450bar

Centralina a comando manuale **doppio effetto**

Double effect power unit with manual control



Cod.	4.39.3D450

Art. 394D

MAX 450bar

Centralina a comando pneumatico remoto **doppio effetto**

Double effect power unit with remote pneumatic control



Per azionare la centralina è consigliato l'uso dell' ART.402 (vedi pag.4.52)

Cod.	4.39.4D450

Art. 395D

MAX 450bar

Centralina a comando elettrico **doppio**

Power unit with **double** electrical control



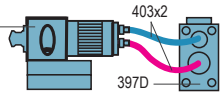
Cod.	4.39.5D450

Art. 407C

Gruppo di serraggio **indipendente**

Independent clamping group

MANUAL CONTROL



Le corse del pistone sono disponibili a pagina 4.54

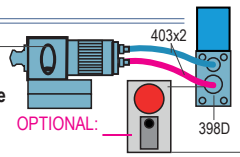
Cod.	4.40.7C100	4.40.7C200	4.40.7C300	4.40.7C400

Art. 407D

Gruppo di serraggio **indipendente**

Independent clamping group

CNC CONTROL



Art. 401 Pulsantiera / Puschbutton board

Le corse del pistone sono disponibili a pagina 4.54

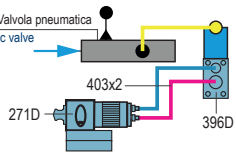
Cod.	4.40.7D100	4.40.7D200	4.40.7D300	4.40.7D400

Art. 407E

Gruppo di serraggio **indipendente**

Independent clamping group

AIR CONTROL

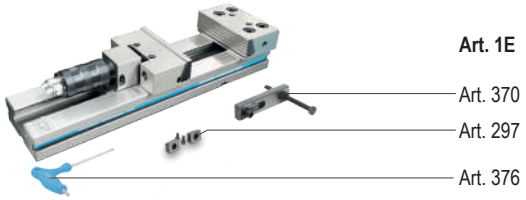


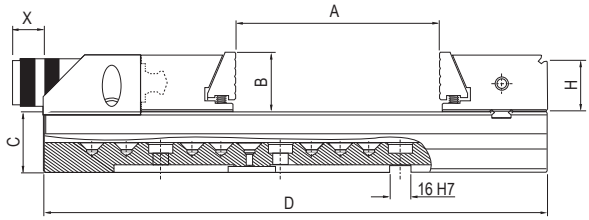
Cod.	4.40.7E100	4.40.7E200	4.40.7E300	4.40.7E400

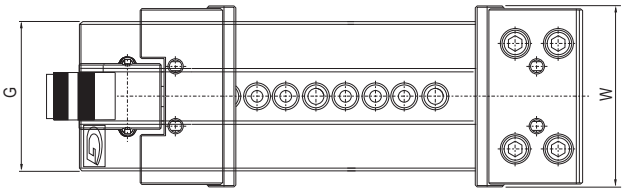
Dotazione standard:

- 1 arresto laterale Art. 370
- 1 coppia di tasselli di posizionamento Art. 297 (Standard per cava da 16 mm; altre dimensioni a richiesta senza variazione di prezzo)
- 1 chiave a "T" Art. 376

Extra per ogni foro calibrato (tolleranza F7) Extra per ogni chiavetta (tolleranza H7)







Standard equipment:

- 1 workstop Art. 370
- 1 pair of positioning key-nuts Art. 297 (Standard for 16 mm slot. Other dimensions available on request without price change)
- 1 T-wrench Art. 376

Extra charge for each calibrated hole (F7 tolerance) Extra charge for each calibrated key nut (F7 tolerance)

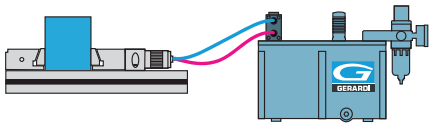
ESEMPIO D'ORDINE PER KIT COMPLETO: Art.1F (Morsa) + Art.393 (centralina a comando manuale) + Art.403 (tubo 1,5M)
COMPLETE KIT ORDER EXAMPLE: Art.1F (Vise) + Art.393 (power unit with manual control) + Art.403 (pipe 1,5M)

StandardMatic VISES

	5 40 kN					6 40 kN						
A	200	300	400	500	600	200	300	400	500	600	700	800
W			200						300			
B			65						80			
C			70						78			
D	495	595	695	795	895	535	635	735	835	935	1035	1135
G			170						195			
X			64						43,5			
kg	64	69	74	79	84	95	105	115	125	135	145	155
Cod.	1.1F.52000	1.1F.53000	1.1F.54000	1.1F.55000	1.1F.56000	1.1F.62000	1.1F.63000	1.1F.64000	1.1F.65000	1.1F.66000	1.1F.67000	1.1F.68000

4.39.3D450 — 4.39.3D450

Art. 393

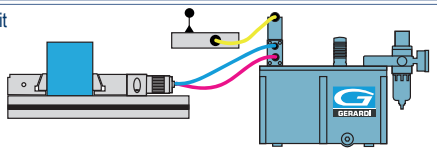


MANUAL CONTROL

Suggest the ART.402 (see pag.4.52) to use power unit

4.39.4D450 — 4.39.4D450

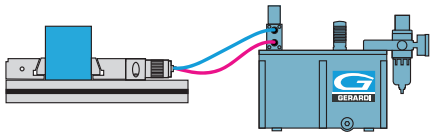
Art. 394



AIR CONTROL

4.39.5D450 — 4.39.5D450

Art. 395



CNC CONTROL

Piston strokes are available at page 4.54

4.40.7C500 — 4.40.7C600

Art. 407C

MANUAL CONTROL

Piston strokes are available at page 4.54

4.40.7D500 — 4.40.7D600

Art. 407D

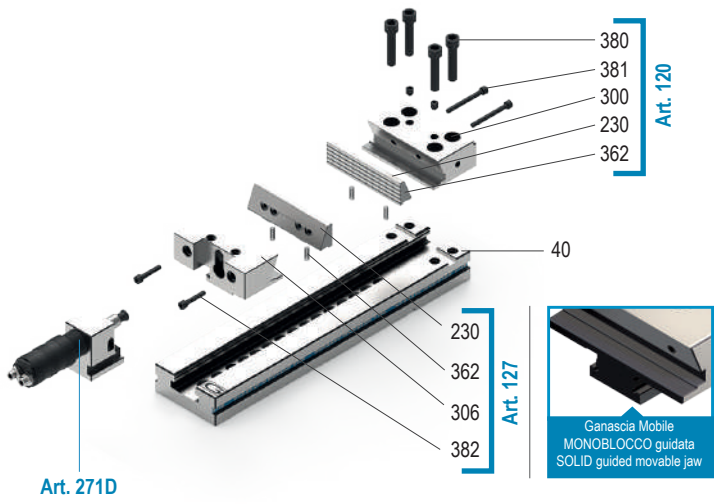
CNC CONTROL

4.40.7E500 — 4.40.7E600

Art. 407E

Pneumo-hydraulic servo units (complete of hydraulic cylinder + support) for multiple clamping ***simultaneous*** or ***indipendent***, from 2 to 6 vises. See from page 4.38 to 4.49

Art. 1F



Art.	Pag.
40	1.24
230	4.9
271D	4.54
300	4.29
362	4.28
381	4.28
382	4.28

COMANDO MANUALE - MANUAL CONTROL

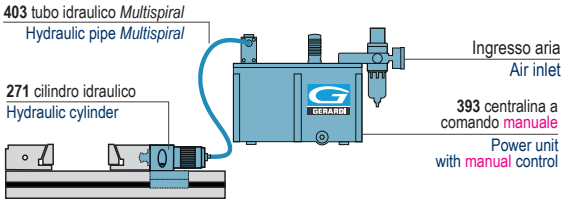
SINGOLO EFFETTO | SINGLE EFFECT

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 390

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED



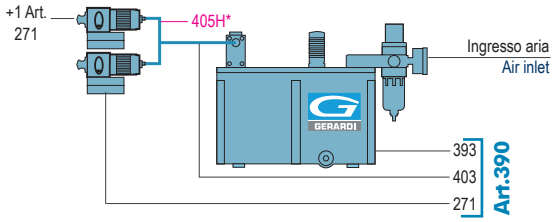
Art. 393 + Art. 271 + Art. 403 *(m 1,5)*

Cod.	4.39.01000	4.39.02000	4.39.03000	4.39.04000	4.39.05000	4.39.06000

Art. 390/2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 390 + n° 1 Art. 271



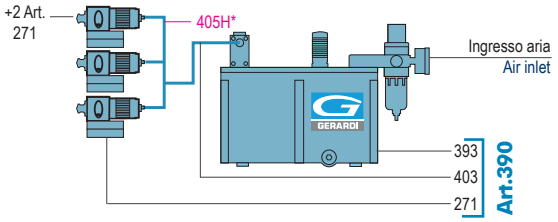
Cod.	4.39.01002	4.39.02002	4.39.03002	4.39.04002	4.39.05002	4.39.06002

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 390/3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 390 + n° 2 Art. 271



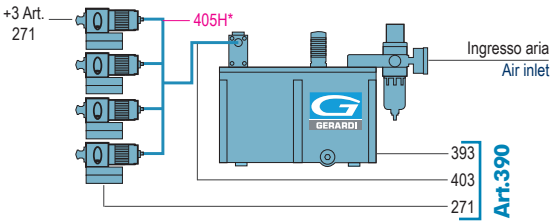
Cod.	4.39.01003	4.39.02003	4.39.03003	4.39.04003	4.39.05003	4.39.06003

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 390/4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 390 + n° 3 Art. 271



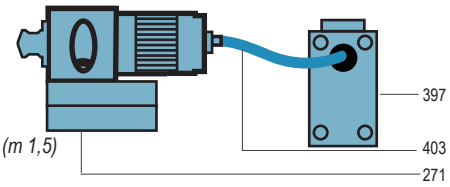
Cod.	4.39.01004	4.39.02004	4.39.03004	4.39.04004	4.39.05004	4.39.06004

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407

Gruppo di serraggio **indipendente**
Independent clamping group

Art. 271 + Art. 397 + Art. 403 *(m 1,5)*



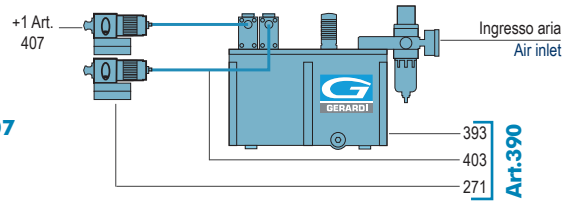
Cod.	4.40.71000	4.40.72000	4.40.73000	4.40.74000	4.40.75000	4.40.76000

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)

Art. 390A / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 390 + n° 1 Art. 407

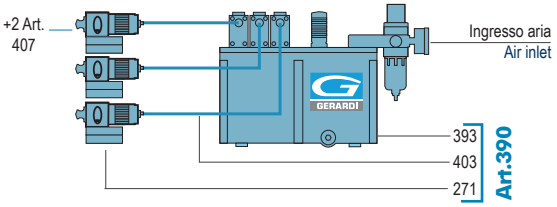


Cod.	4.39.0A102	4.39.0A202	4.39.0A302	4.39.0A402	4.39.0A502	4.39.0A602

Art. 390A / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 390 + n° 2 Art. 407

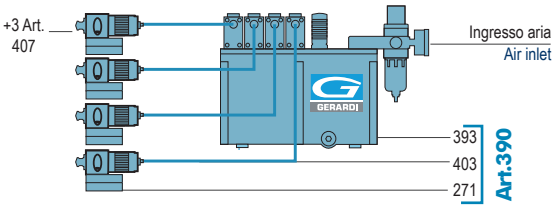


Cod.	4.39.0A103	4.39.0A203	4.39.0A303	4.39.0A403	4.39.0A503	4.39.0A603

Art. 390A / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 390 + n° 3 Art. 407



Cod.	4.39.0A104	4.39.0A204	4.39.0A304	4.39.0A404	4.39.0A504	4.39.0A604

COMANDO ELETTRICO - SOLENOID CONTROL

Comando elettrico standard 24V. 12V solo su richiesta. - Standard electric control 24V. 12V only on request

SINGOLO EFFETTO - cnc | SINGLE EFFECT da cnc

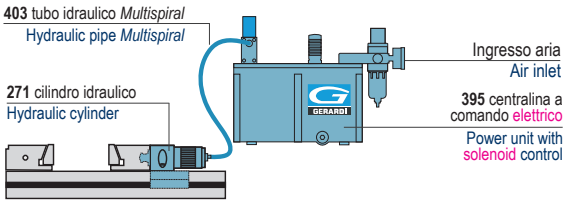
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 391

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED

Art. 395 + Art. 271 + Art. 403 *(m 1,5)*

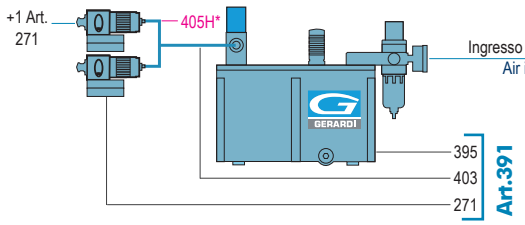


Cod.	4.39.11000	4.39.12000	4.39.13000	4.39.14000	4.39.15000	4.39.16000

Art. 391 / 2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 391 + n° 1 Art. 271



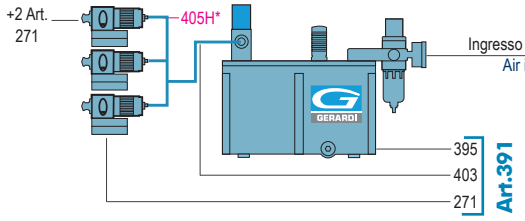
Cod.	4.39.11002	4.39.12002	4.39.13002	4.39.14002	4.39.15002	4.39.16002

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 391 / 3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 391 + n° 2 Art. 271



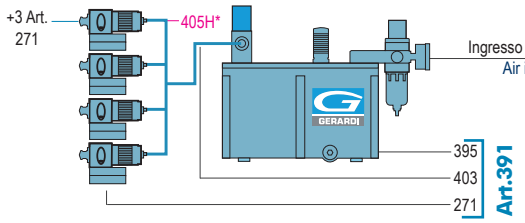
Cod.	4.39.11003	4.39.12003	4.39.13003	4.39.14003	4.39.15003	4.39.16003

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 391 / 4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 391 + n° 3 Art. 271



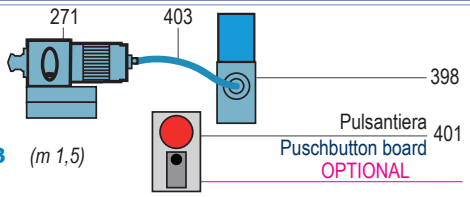
Cod.	4.39.11004	4.39.12004	4.39.13004	4.39.14004	4.39.15004	4.39.16004

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407A

Gruppo di serraggio **indipendente**
Independent clamping group

Art. 271 + Art. 398 + Art. 403 *(m 1,5)*



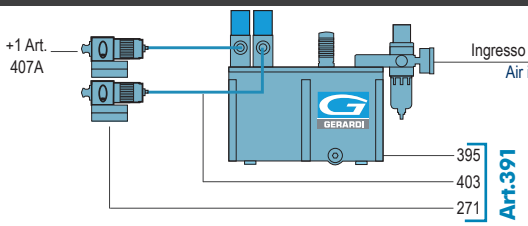
Cod.	4.40.7A100	4.40.7A200	4.40.7A300	4.40.7A400	4.40.7A500	4.40.7A600

Possibility to automate all STD / StandardFLEX / XL / Modular Element vises. (Art.1E & Art.1F except)

Art. 391A / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 391 + n° 1 Art. 407A

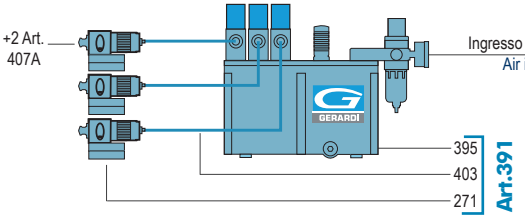


Cod.	4.39.1A102	4.39.1A202	4.39.1A302	4.39.1A402	4.39.1A502	4.39.1A602

Art. 391A / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 391 + n° 2 Art. 407A

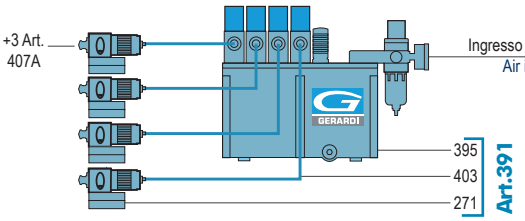


Cod.	4.39.1A103	4.39.1A203	4.39.1A303	4.39.1A403	4.39.1A503	4.39.1A603

Art. 391A / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 391 + n° 3 Art. 407A



Cod.	4.39.1A104	4.39.1A204	4.39.1A304	4.39.1A404	4.39.1A504	4.39.1A604

COMANDO PNEUMATICO - PNEUMATIC CONTROL

SINGOLO EFFETTO | SINGLE EFFECT

4

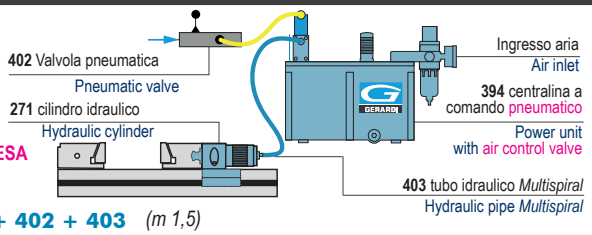
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 392

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED

Art. 394 + 271 + 402 + 403 *(m 1,5)*



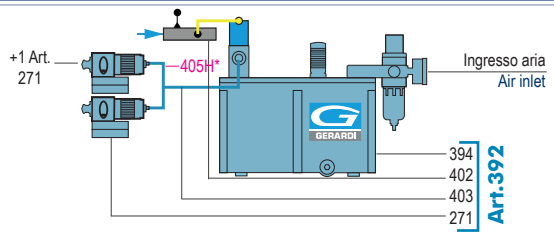
Cod.	4.39.21000	4.39.22000	4.39.23000	4.39.24000	4.39.25000	4.39.26000

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392 / 2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 392 + n° 1 Art. 271



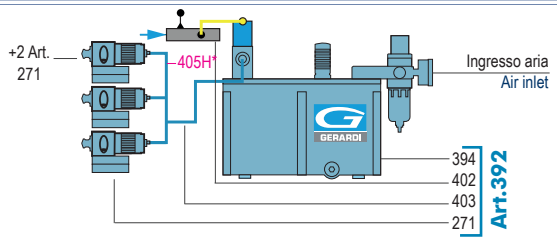
Cod.	4.39.21002	4.39.22002	4.39.23002	4.39.24002	4.39.25002	4.39.26002

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392 / 3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 392 + n° 2 Art. 271



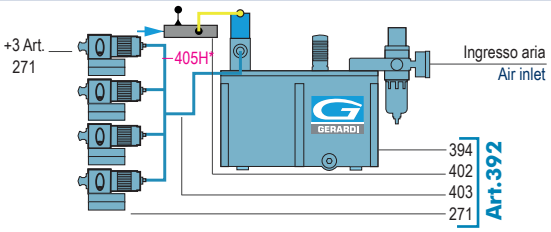
Cod.	4.39.21003	4.39.22003	4.39.23003	4.39.24003	4.39.25003	4.39.26003

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392 / 4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 392 + n° 3 Art. 271



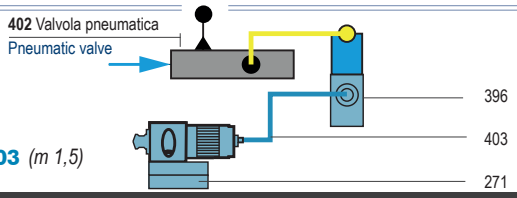
Cod.	4.39.21004	4.39.22004	4.39.23004	4.39.24004	4.39.25004	4.39.26004

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407B

Gruppo di serraggio **indipendente**
Independent clamping group

Art. 271 + 396 + 402 + 403 *(m 1,5)*



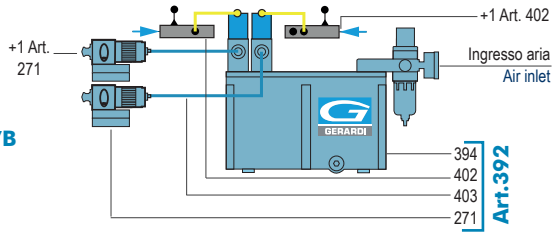
Cod.	4.40.7B100	4.40.7B200	4.40.7B300	4.40.7B400	4.40.7B500	4.40.7B600

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)

Art. 392A / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 392 + n° 1 Art. 407B

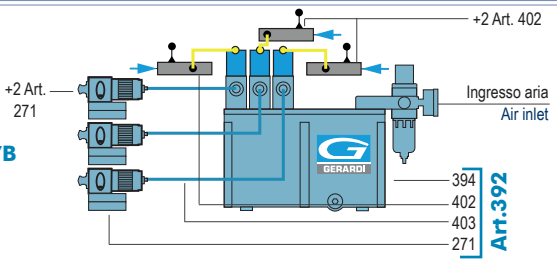


Cod.	4.39.2A102	4.39.2A202	4.39.2A302	4.39.2A402	4.39.2A502	4.39.2A602

Art. 392A / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 392 + n° 2 Art. 407B

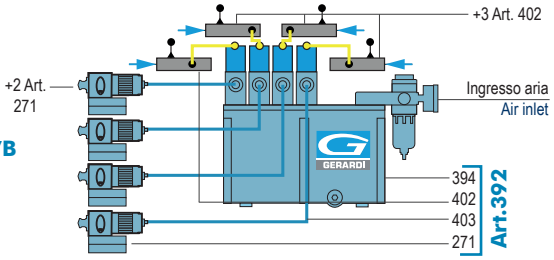


Cod.	4.39.2A103	4.39.2A203	4.39.2A303	4.39.2A403	4.39.2A503	4.39.2A603

Art. 392A / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 392 + n° 3 Art. 407B



Cod.	4.39.2A104	4.39.2A204	4.39.2A304	4.39.2A404	4.39.2A504	4.39.2A604

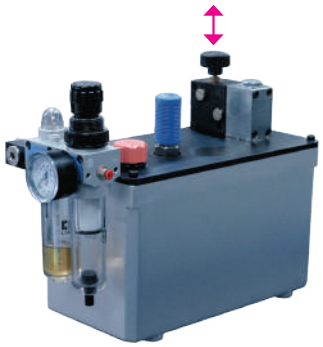
ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

N.B. Le centraline sono fornite senza olio
N.B The power units are supplied without oil

Art. 393

Centralina a comando manuale singolo
Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with single manual control
Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.34500

Art. 397

Blocco modulare per comando manuale aggiuntivo per ogni morsa extra

Modular block for manual control for each extra vise

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.70000

Art. 397B

Blocco base per comando manuale

Base block for manual control

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.7B000

Art. 394

Centralina a comando pneumatico remoto
(Tramite Art. 402 extra) - Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with remote pneumatic control
(Through Art. 402 extra) - Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.44500

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Art. 396

Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise

Cod. 4.39.60000

Art. 396B

Blocco base per comando pneumatico

Base block for pneumatic contro

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.6B000

Art. 395

Centralina a comando elettrico
Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with electrical control
Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.54500

Su richiesta:
12V / 24V / ...V
On request:
12V / 24V / ...V

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Art. 398

Blocco modulare per comando elettrico aggiuntivo per ogni morsa extra

Modular block for electric control for each extra vise

Cod. 4.39.80000

Art. 398B

Blocco base per comando elettrico

Base block for electric control

Su richiesta:
12V / 24V / ...V
On request:
12V / 24V / ...V

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.8B000

Comando elettrico standard 24V. 12V solo su richiesta - Standard electric control 24V. 12V only on request

COMANDO MANUALE - MANUAL CONTROL

DOPPIO EFFETTO | DOUBLE EFFECT

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

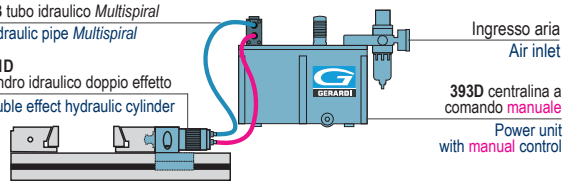
Art. 390B

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED

403 tubo idraulico *Multispiral*
Hydraulic pipe *Multispiral*

271D
cilindro idraulico doppio effetto
double effect hydraulic cylinder



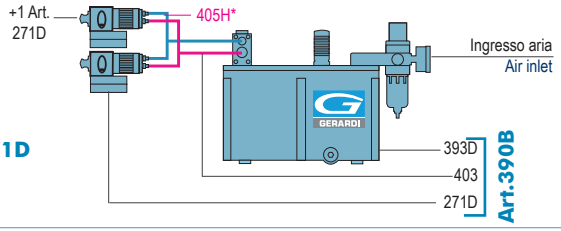
Art.393D + Art.271D + Art.403 (m 1,5)

Cod.	4.39.0B100	4.39.0B200	4.39.0B300	4.39.0B400	4.39.0B500	4.39.0B600

Art. 390B/2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 390B + n° 1 Art.271D



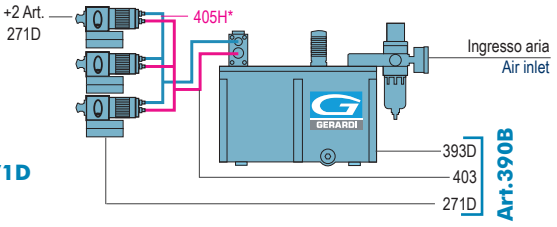
Cod.	4.39.0B102	4.39.0B202	4.39.0B302	4.39.0B402	4.39.0B502	4.39.0B602

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 390B/3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 390B + n° 2 Art.271D



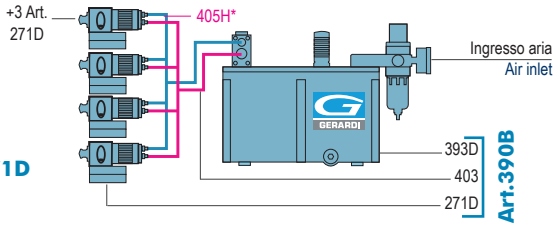
Cod.	4.39.0B103	4.39.0B203	4.39.0B303	4.39.0B403	4.39.0B503	4.39.0B603

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 390B/4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 390B + n° 3 Art.271D

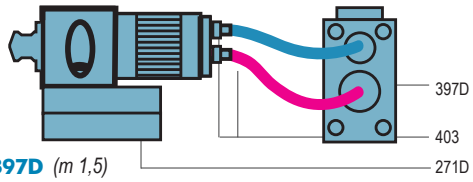


Cod.	4.39.0B104	4.39.0B204	4.39.0B304	4.39.0B404	4.39.0B504	4.39.0B604

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407C

Gruppo di serraggio **indipendente**
Independent clamping group



Art.271D + Art. 403 + Art. 397D *(m 1,5)*

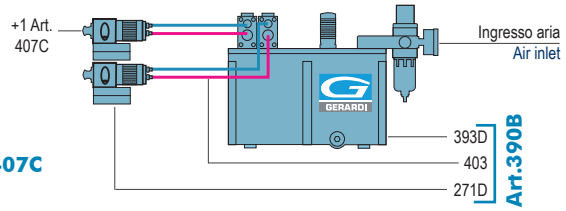
Cod.	4.40.7C100	4.40.7C200	4.40.7C300	4.40.7C400	4.40.7C500	4.40.7C600

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)

Art. 390C / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 390B + n° 1 Art. 407C

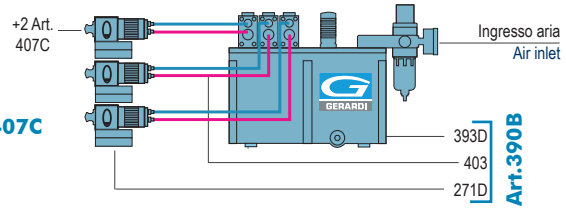


Cod.	4.39.0C102	4.39.0C202	4.39.0C302	4.39.0C402	4.39.0C502	4.39.0C602

Art. 390C / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 390B + n° 2 Art. 407C

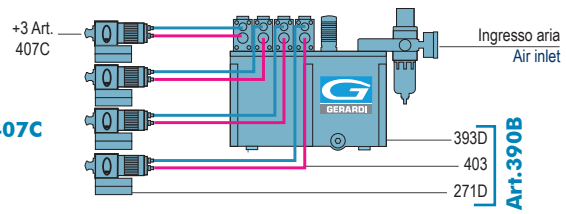


Cod.	4.39.0C103	4.39.0C203	4.39.0C303	4.39.0C403	4.39.0C503	4.39.0C603

Art. 390C / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 390B + n° 3 Art. 407C



Cod.	4.39.0C104	4.39.0C204	4.39.0C304	4.39.0C404	4.39.0C504	4.39.0C604

COMANDO ELETTRICO - SOLENOID CONTROL

Comando elettrico standard 24V. 12V solo su richiesta. - Standard electric control 24V. 12V only on request

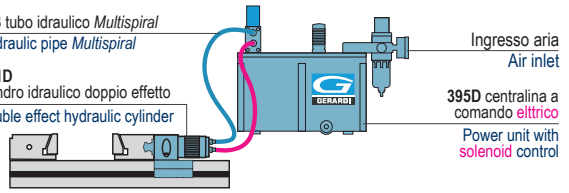
DOPPIO EFFETTO da cnc | DOUBLE EFFECT by cnc

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 391B

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED



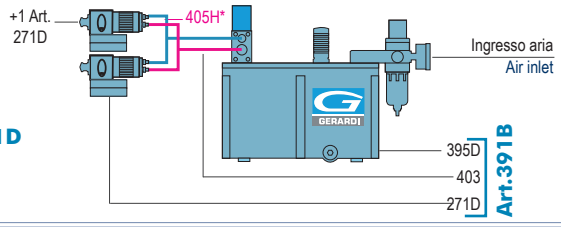
Art. 395D + Art.271D + Art. 403 (m 1,5)

Cod.	4.39.1B100	4.39.1B200	4.39.1B300	4.39.1B400	4.39.1B500	4.39.1B600

Art. 391B / 2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 391B + n° 1 Art.271D



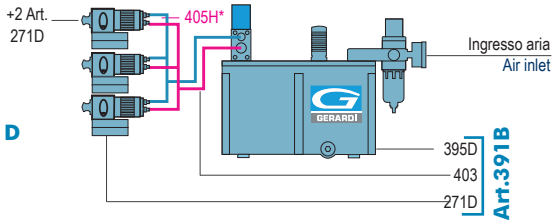
Cod.	4.39.1B102	4.39.1B202	4.39.1B302	4.39.1B402	4.39.1B502	4.39.1B602

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 391B / 3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 391B + n° 2 Art.271D



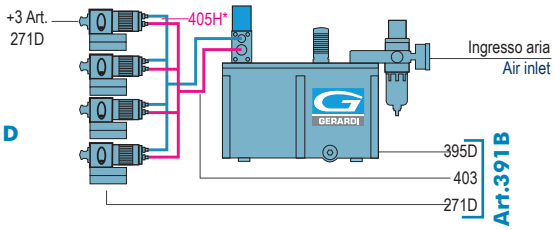
Cod.	4.39.1B103	4.39.1B203	4.39.1B303	4.39.1B403	4.39.1B503	4.39.1B603

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 391B / 4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 391B + n° 3 Art.271D



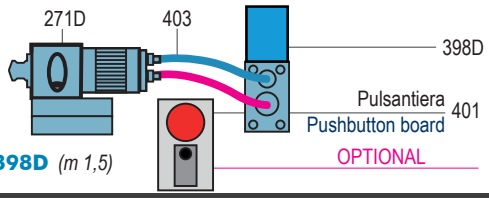
Cod.	4.39.1B104	4.39.1B204	4.39.1B304	4.39.1B404	4.39.1B504	4.39.1B604

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407D

Gruppo di serraggio **indipendente**
Independent clamping group

Art.271D + Art. 403 + Art.398D *(m 1,5)*



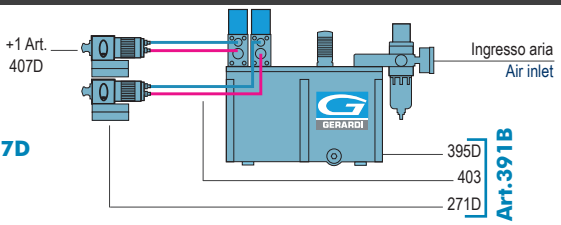
Cod.	4.40.7D100	4.40.7D200	4.40.7D300	4.40.7D400	4.40.7D500	4.40.7D600

Possibility to automate all STD / StandardFLEX / XL / Modular Element vises. (Art.1E & Art.1F except)

Art. 391C / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 391B + n° 1 Art. 407D

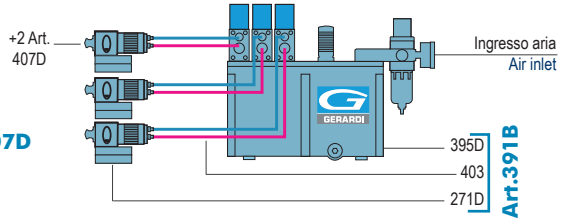


Cod.	4.39.1C102	4.39.1C202	4.39.1C302	4.39.1C402	4.39.1C502	4.39.1C602

Art. 391C / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 391B + n° 2 Art. 407D

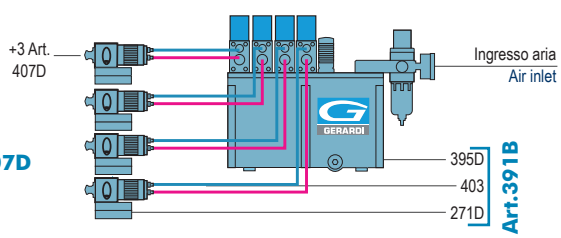


Cod.	4.39.1C103	4.39.1C203	4.39.1C303	4.39.1C403	4.39.1C503	4.39.1C603

Art. 391C / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 391B + n° 3 Art. 407D



Cod.	4.39.1C104	4.39.1C204	4.39.1C304	4.39.1C404	4.39.1C504	4.39.1C604

4

COMANDO PNEUMATICO - PNEUMATIC CONTROL

DOPPIO EFFETTO | DOUBLE EFFECT

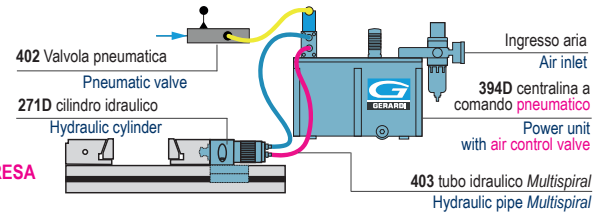
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6

Art. 392B

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED

Art. 394D + 271D + 402 + 403 *(m 1,5)*



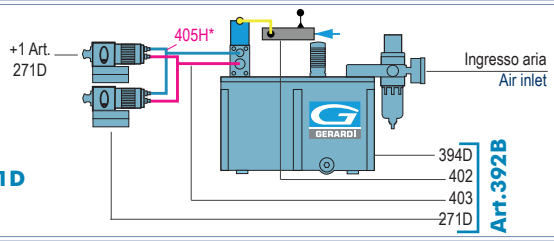
Cod.	4.39.2B100	4.39.2B200	4.39.2B300	4.39.2B400	4.39.2B500	4.39.2B600

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392B / 2

N° 2 serraggi **contemporanei**
N° 2 **simultaneously** clamping

Art. 392B + n° 1 Art.271D



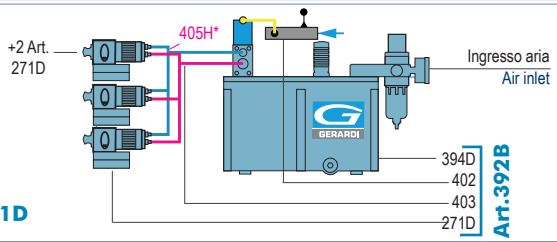
Cod.	4.39.2B102	4.39.2B202	4.39.2B302	4.39.2B402	4.39.2B502	4.39.2B602

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392B / 3

N° 3 serraggi **contemporanei**
N° 3 **simultaneously** clamping

Art. 392B + n° 2 Art.271D



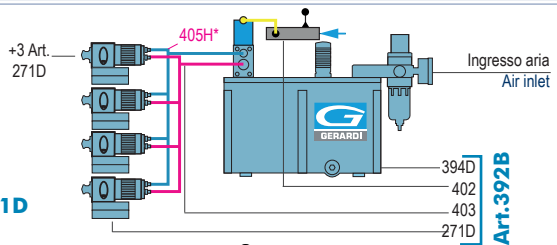
Cod.	4.39.2B103	4.39.2B203	4.39.2B303	4.39.2B403	4.39.2B503	4.39.2B603

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 392B / 4

N° 4 serraggi **contemporanei**
N° 4 **simultaneously** clamping

Art. 392B + n° 3 Art.271D



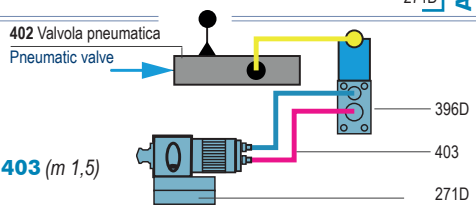
Cod.	4.39.2B104	4.39.2B204	4.39.2B304	4.39.2B404	4.39.2B504	4.39.2B604

* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

Art. 407E

Gruppo di serraggio **indipendente**
Independent clamping group

Art.271D + 396D + 402 + 403 *(m 1,5)*



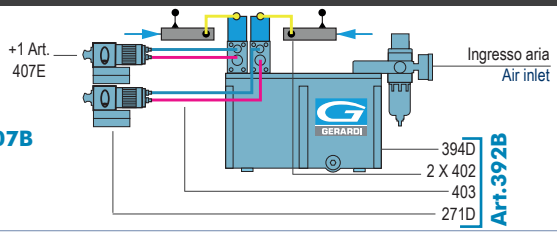
Cod.	4.40.7E100	4.40.7E200	4.40.7E300	4.40.7E400	4.40.7E500	4.40.7E600

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)

Art. 392C / 2

N° 2 serraggi **indipendenti**
N° 2 **independent** clamping

Art. 392B + n° 1 Art. 407B

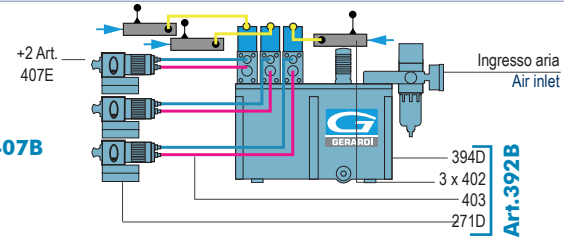


Cod.	4.39.2C102	4.39.2C202	4.39.2C302	4.39.2C402	4.39.2C502	4.39.2C602

Art. 392C / 3

N° 3 serraggi **indipendenti**
N° 3 **independent** clamping

Art. 392B + n° 2 Art. 407B

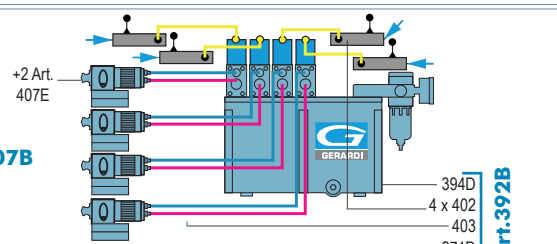


Cod.	4.39.2C103	4.39.2C203	4.39.2C303	4.39.2C403	4.39.2C503	4.39.2C603

Art. 392C / 4

N° 4 serraggi **indipendenti**
N° 4 **independent** clamping

Art. 392B + n° 3 Art. 407B



Cod.	4.39.2C104	4.39.2C204	4.39.2C304	4.39.2C404	4.39.2C504	4.39.2C604

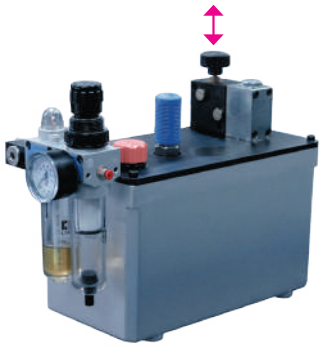
ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

N.B. Le centraline sono fornite senza olio
N.B The power units are supplied without oil

Art. 393D

Centralina a comando manuale doppio
Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with double manual control
Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.3D450

Art. 397D

Blocco modulare per comando manuale aggiuntivo per ogni morsa extra

Modular block for manual control for each extra vise

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.7D000

Art. 397C

Blocco base per comando manuale
Base block for manual control

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Cod. 4.39.7C000

Art. 394D

Centralina a comando pneumatico remoto doppio (Tramite Art. 402 extra) - Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with double remote pneumatic control (Through Art. 402 extra) - Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.4D450

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Art. 396D

Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise

Cod. 4.39.6D000

Art. 396C

Blocco base per comando pneumatico
Base block for pneumatic control

Cod. 4.39.6C000

Art. 395D

Centralina a comando elettrico doppio
Pressione max 450bar
Con mantenimento e ripristino automatico della pressione desiderata

Power unit with double electrical control
Max pression 450bar
Automatic retention and reset of desired pressure



Cod. 4.39.5D450

Su richiesta:
12V / 24V / ...V
On request:
12V / 24V / ...V

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Su richiesta:
12V / 24V / ...V
On request:
12V / 24V / ...V

Ingresso aria (Ø 8 - 7bar)
Air inlet (Ø 8 - 7bar)



Art. 398D

Blocco modulare per comando elettrico aggiuntivo per ogni morsa extra

Modular block for electric control for each extra vise

Cod. 4.39.8D000

Art. 398C

Blocco base per comando pneumatico
Base block for pneumatic control

Cod. 4.39.8C000

Comando elettrico standard 24V. 12V solo su richiesta - Standard electric control 24V. 12V only on request

ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

Art. 399

Gruppo filtro riduttore più lubrificatore
Compressed air preparation unit



Cod.	4.39.90000

Art. 400

Pedale bistabile
Two positions foot pedal



Cod.	4.40.00000

Art. 401

Pulsantiera per 1 azionamento
Puschbutton board for one control operation



Cod.	4.40.10000

Art. 402

Valvola pneumatica frontale, 2 vie
Frontal pneumatic valve, 2 ways



Cod.	4.40.20000-14

Art. 402/90

Distributore leva angolare a 90°, 3 vie
90° angular valve, 3 ways



Cod.	9.40.29000

Art. 405H Per ogni metro extra / For each extra meter: € 11

Coduttura Tubolare in acciao zincato (m 1,0)
Suitable galvanized steel pipe (m 1,0)



Ø	6
Cod.	4.40.5H000

Art. 403 Per ogni metro extra / For each extra meter

Tubo idraulico Multispiral 760bar completo di attacco rapido Art. 270A (m 1,5)
Hydraulic pipe *Multispiral* 760 bar complete with rapid connection Art. 270A (m 1,5)

Con le centraline a DOPPIO EFFETTO l'attacco rapido NON è incluso
With DOUBLE EFFECT power unit the quick connection is NOT icluded



Cod.	4.40.30000

Art. 404

Manometro 400bar
Oil pressure gauge 400bar



Cod.	4.40.40000

ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

Art. 270A

Attacco idraulico rapido femmina
Quick hydraulic female connection



Cod.	4.27.0A000

Art. 270B

Innesto idraulico rapido maschio
Quick hydraulic male connection



Cod.	4.27.0B000

Art. ID03

Raccordo idraulico a "L" maschio cilindrico Ø6 - 1/4" Gas
"L" hydraulic male parallel adaptor Ø6 - 1/4" Gas



Cod.	9.ID.03000

Art. ID04

Raccordo idraulico a "T" centrale maschio cilindrico Ø6 - 1/4" Gas
"T" hydraulic male parallel adaptor Ø6 - 1/4" Gas



Cod.	9.ID.04000

Art. ID05

Riduzione idraulica Ø6 -1/4" Gas
Hydraulic straight male adaptor Ø6 - 1/4" Gas



Cod.	9.ID.05000

Art. 505

Pressostato 400bar
Pressure switch 400bar



Cod.	0.50.50000

Art. 272A

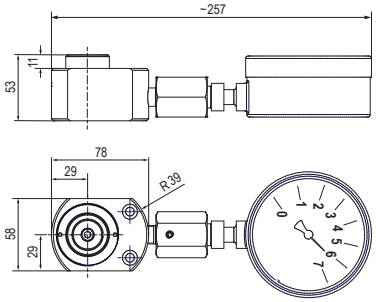
Indicatore di forza kN
Force indicator kN



Cod.	4.27.2A600

Art. 272

Cella di carico **completa** per controllo forza di bloccaggio delle morse
Complete loading cells to check vise clamping force





Bar	Max 700
kN	Max 111,3
Cod.	4.27.26000

SERVOCOMANDI OLEODINAMICI / HYDRAULIC SERVO UNITS

Art. 271

Supporto di serraggio con cilindro idraulico
Clamping support with hydraulic cylinder
SEMPLICE EFFETTO - SIMPLE EFFECT



Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Cod.	2.27.11000	2.27.12000	2.27.13000	2.27.14000	2.27.15000	2.27.16000
Corsa Stroke	32	26			40	

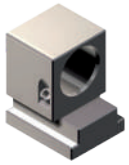
Art. 271D

Supporto di serraggio con cilindro idraulico **DOPPIO EFFETTO**
Clamping support with hydraulic cylinder **DOUBLE EFFECT**

Cod.	2.27.1D100	2.27.1D200	2.27.1D300	2.27.1D400	2.27.1D500	2.27.1D600
Corsa Stroke	20	33			40	

Art. 283A

Supporto di serraggio per cilindro idraulico
Clamping support for hydraulic cylinder



Cod.	2.28.3A100	2.28.3A200	2.28.3A300	2.28.3A400	2.28.3A500	2.28.3A600

Art. 285

Cilindro idraulico a semplice effetto.
Serraggio idraulico e apertura meccanica
Hydraulic cylinder single acting.
Hydraulic clamping and mechanical opening



Pressione **MAX** **MAX** pressure	450 bar - 6525 psi			
Ø Pistone Ø Piston	20	30		36
Area effettiva (cm2) effective area (cm2)	3,14	7,07		10,17
Cod.	2.28.51000	2.28.52000	2.28.53000	2.28.55000
Corsa Stroke	32	26		40

Art. 569

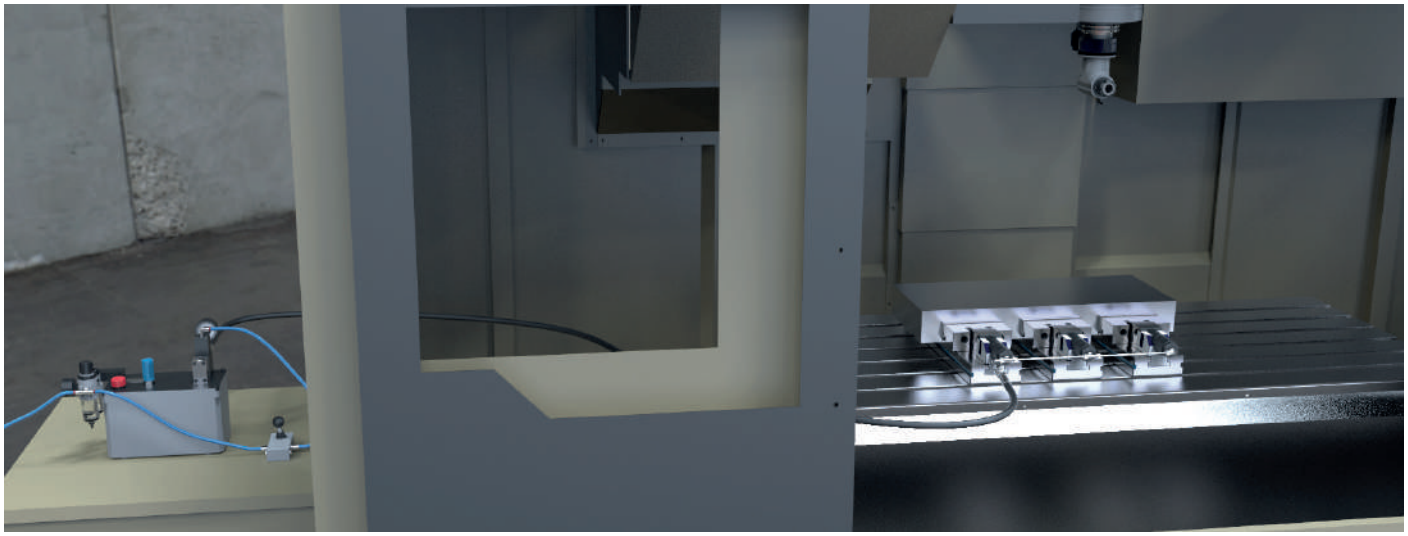
Cilindro idraulico a doppio effetto.
Apertura e chiusura idrauliche
Hydraulic cylinder double acting.
Hydraulic opening and clamping



Specifico per sistemi robotizzati - Specific for robotic applications

Pressione **MAX** **MAX** pressure	450 bar - 6525 psi			
Ø Pistone Ø Piston	20	30		32
Area effettiva (cm2) effective area (cm2)	3,14	7,07		8,04
Cod.	1.56.91000	1.56.92000	1.56.93000	1.56.95000
Corsa Stroke	20	33		40

Esempi di applicazione / Typical arrangements

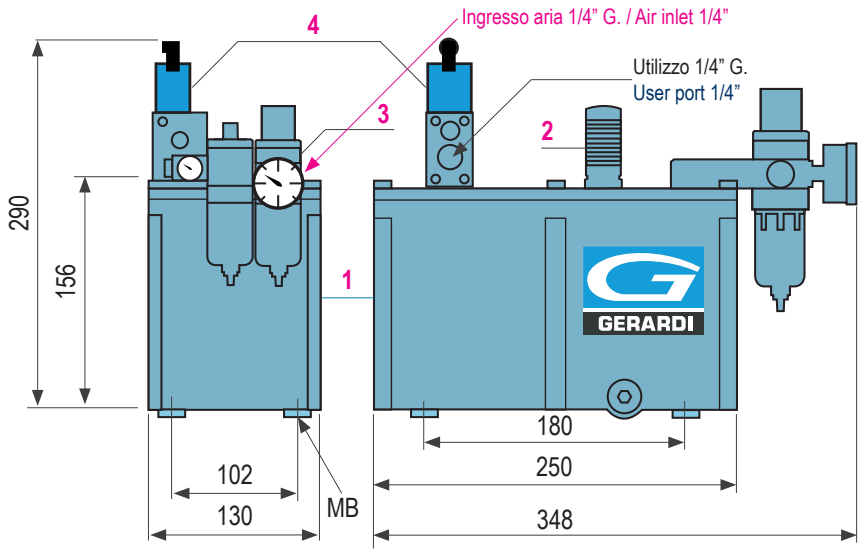


Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli Pneumoidraulici (Serie StandardMatic)
Precision Modular vises matchable for gang operations and pneumohydraulic clamping (StandardMatic series)

SERRAGGIO IDRAULICO
HYDRAULIC CLAMPING

La centralina per serraggi idraulici ed i suoi derivati, nasce per soddisfare tutte le esigenze connesse all'azionamento di cilindri oleodinamici ove sia richiesta bassa portata ed elevate pressioni. La particolare forma costruttiva della centralina permette di ottenere, in ingombri estremamente contenuti, un impianto di elevate prestazioni. L'elemento pompante utilizzato consente, grazie ai particolari criteri costruttivi, di collocare la centralina in ambienti altamente ostili come, per esempio, l'area di lavoro di macchine utensili. L'esclusivo sistema modulare di controllo del flusso idraulico permette di comandare separatamente, con una sola unità, fino a sei utilizzi distinti.

The hydropneumatic power unit for hydraulic clamping devices and its bi-products are designed to meet all needs regarding the powering of hydraulic cylinders where low flow rates and hight pressures are required. The special design shape of the power unit is such that a high performance system can be implemented taking up very little space. Thanks to the special design priciples, the pump section adopted allows the hydropneumatic power unit to be installed in very hostile environments, such as the work area of machine tools, etc. The unique modular hydraulic flow control system allows controlling up to 6 separate users from just the one power unit.



CARATTERISTICHE TECNICHE

SPECIFICATION

Centralina tipo / Power unit type **450** T 2/3/4

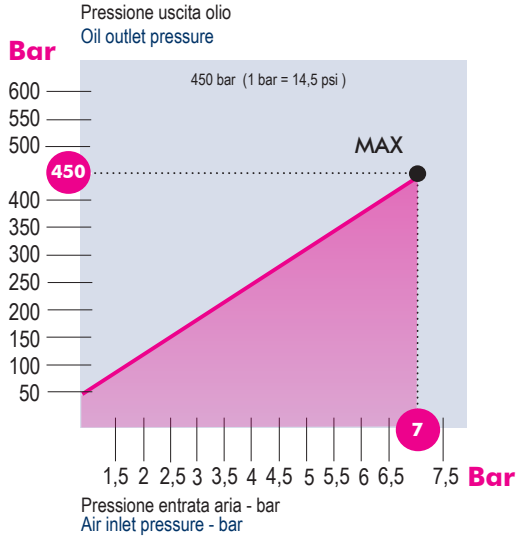
Pressione massima aria: Max permissible air pressure:	7 bar
Pressione aria consigliata: Recommended air pressure:	5,5 bar
Tipo di olio raccomandato: idraulico Recommended grade of oil: hydraulic	68 CSt
Portata Deliveries	0,9 l / min
Capacità serbatoio Tank capacity	3 l
Delta massimo su pilotaggi elettrici: Max delta on electric pilot section:	+ 10% - 5%
Pressione minima su pilotaggio pneumatico: Minimum pressure on pneumatic control:	5 bar
Pressione massima consentita per eventuale pilotaggio elettroidraulico: Max pressure for elettrohydraulic control:	150 bar
Numero massimo consigliato di utilizzi: Max permissible air pressure	4

La pompa nella versione base viene fornita completa di:

- serbatoio in teflon 1
- tappo di carica
- silenziatore 2
- attacco di alimentazione aria del tipo ad innesto rapido D8 3
- un blocco di comando oleodinamico 4

The pump in its basic version is supplied complete with:

- teflon tank 1
- fill plug
- silencer 2
- quick acting air connector fitting type D8 3
- hydraulic control block 4



4

Diagrammi di serraggio / *Clamping diagrams*

StandardMatic

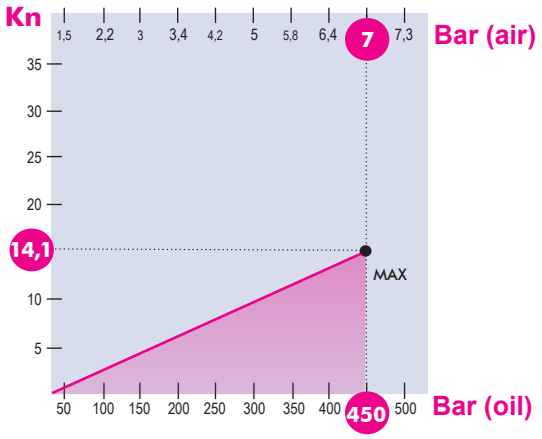
Diagrammi di serraggio pneumoidraulici ed elettroidraulici

Diagram pneumo-hydraulic and electro-hydraulic clamping

Morse tipo / Vises type 1

Cilindro idraulico Art. 285 - 569 Ø interno 20 mm - Superficie efficace 3,14 cm²

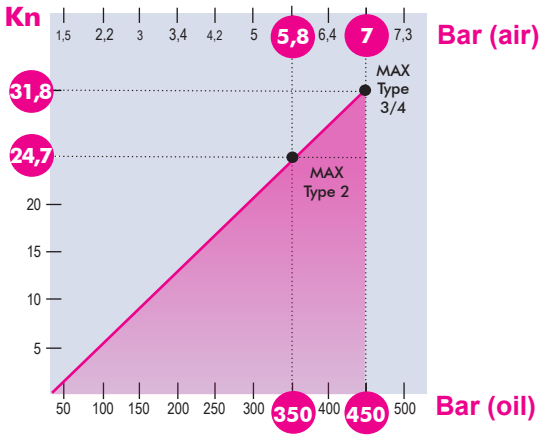
Hydraulic cylinder Art. 285 - 569 Cylinder I.D. 20 mm - Effective area 3,14 cm²



Morse tipo / Vises type 2-3-4

Cilindro idraulico Art. 285 - 569 Ø interno 30 mm - Superficie efficace 7,07 cm²

Hydraulic cylinder Art. 285 - 569 Cylinder I.D. 30 mm - Effective area 7,07 cm²



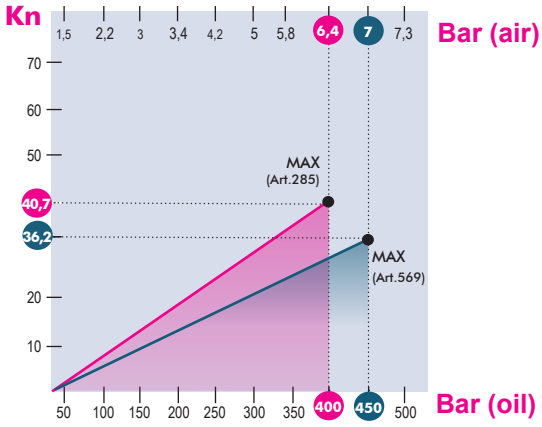
Morse tipo / Vises type 5-6

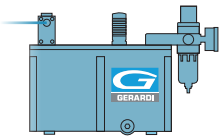
Cilindro idraulico Art. 285 Ø interno 36 mm - Superficie efficace 10,17 cm²

Cilindro idraulico Art. 569 Ø interno 32 mm - Superficie efficace 8,04 cm²

Hydraulic cylinder Art. 285 Cylinder I.D. 36 mm - Effective area 10,17 cm²

Hydraulic cylinder Art. 569 Cylinder I.D. 32 mm - Effective area 8,04 cm²





Art. 393

Art. 393D

Serraggi tramite gruppi di comando pneumatici e idraulici

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), provviste di vari dispositivi di bloccaggio pneumoidraulici ed elettroidraulici, in funzione della pressione dei fluidi (aria e olio). Con centralina pneumoidraulica **(Max pressione 450bar)**

Clamping through pneumo-hydraulic and hydraulic clamping devices

The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) when equipped with pneumo-hydraulic and electro-hydraulic blocking devices, as a function of the fluid pressure (air or oil). With pneumo-hydraulic power unit (**Max pressure 450bar**)

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

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