



*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

NEW
2023

Art. 981

Valigetta di campionatura
morsa Art.1
Sample kit case Art.1 vise

Morsa / Vise Art. 1

Cod. 0.98.10000

PRICE LIST € 1.992

SPECIAL PRICE € 1.100

Art. 985

Valigetta di campionatura
morsa Art.1A
Sample kit case Art.1A vise

Morsa / Vise Art. 1A

Cod. 0.98.50000

PRICE LIST € 2.020

SPECIAL PRICE € 1.100

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 sovrapponibili Stack Type Jaws
PIASTRE GANASCE JAW PLATES						
	Discendente Pull down	Discendente + inserti GRIP Pull down + GRIP inserts	Lavorabile Machineable	Cambio rapido manuale Quick manual change	GRIP integrale Integral GRIP	Inserti GRIP Inserti GRIP
POSSIBILITÀ POSSIBILITY						
			Montaggio con centralina Mounting with power unit	Montaggio sul fianco o in serie Side mounting or gang operation	Posizionamento & cambio rapido Quick change & positioning	Cubi-morsa Vise tower
PAGINE PAGES						
	Accessori & Ricambi Accessories & Spare Parts	Istruzioni corretto utilizzo Instruction for a proper use	Diagrammi forze di serraggio Clamping force diagrams	Accessori idraulici Hydraulic accessories	Centraline idrauliche Hydraulic Power Units	Centraline idrauliche Hydraulic Power Units
					Comando manuale Manual control	Comando elettrico Solenoid control
						Comando pneumatico Pneumatic control

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 60 ±2 HRC. Tutto ciò al fine di conferire massima rigidità, elevate prestazioni e usura inesistente. A riprova di tutto ciò assicuriamo **5 ANNI DI GARANZIA** su tutto il programma morse e organi meccanici in genere.

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

MODULARITÀ / MODULARITY

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

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

DESIGN COMPATTO / SPACE SAVING DESIGN

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

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

SERRAGGI RAPIDI / QUICK CLAMPING

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

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

Sicuramente uno dei punti di forza del sistema modulare GERARDI consiste nell'ampissima 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.

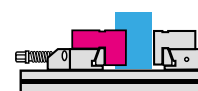


VIDEO PRESENTATION



*Parallele, ganasce sovrapponibili,
speciali e gruppi di serraggio
intercambiabili*

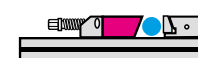
*Parallel plates, stack type & special
jaws and interchangeable
clamping devices*



Art.131 / 138 / 150

Ganasce Sovrapponibili

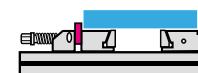
Stack type jaws



Art.210

Ganasce mobili guidate monoblocco per pezzi tondi

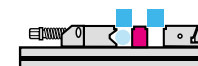
Solid guided movable jaws for round workpieces



Art.132 / 133

Prolunga per ganasce mobili e fisse

Extension for movable and fixed jaws



Art.212

Ganasce mobile intermedia con doppio gradino

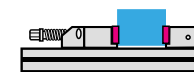
Intermediate movable jaws with double step



Art.257 / 258 / 271

Gruppi di serraggio

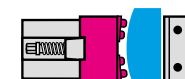
Spindle clamping devices



Art.246

Ganasce mobili guidate monoblocco con piastre piane

Solid guided movable jaw with straight plates



Art.190 / 188

Ganasce mobili guidate monoblocco

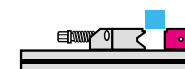
Solid guided movable jaws



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 accoppiamento al gradino della ganasce 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

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

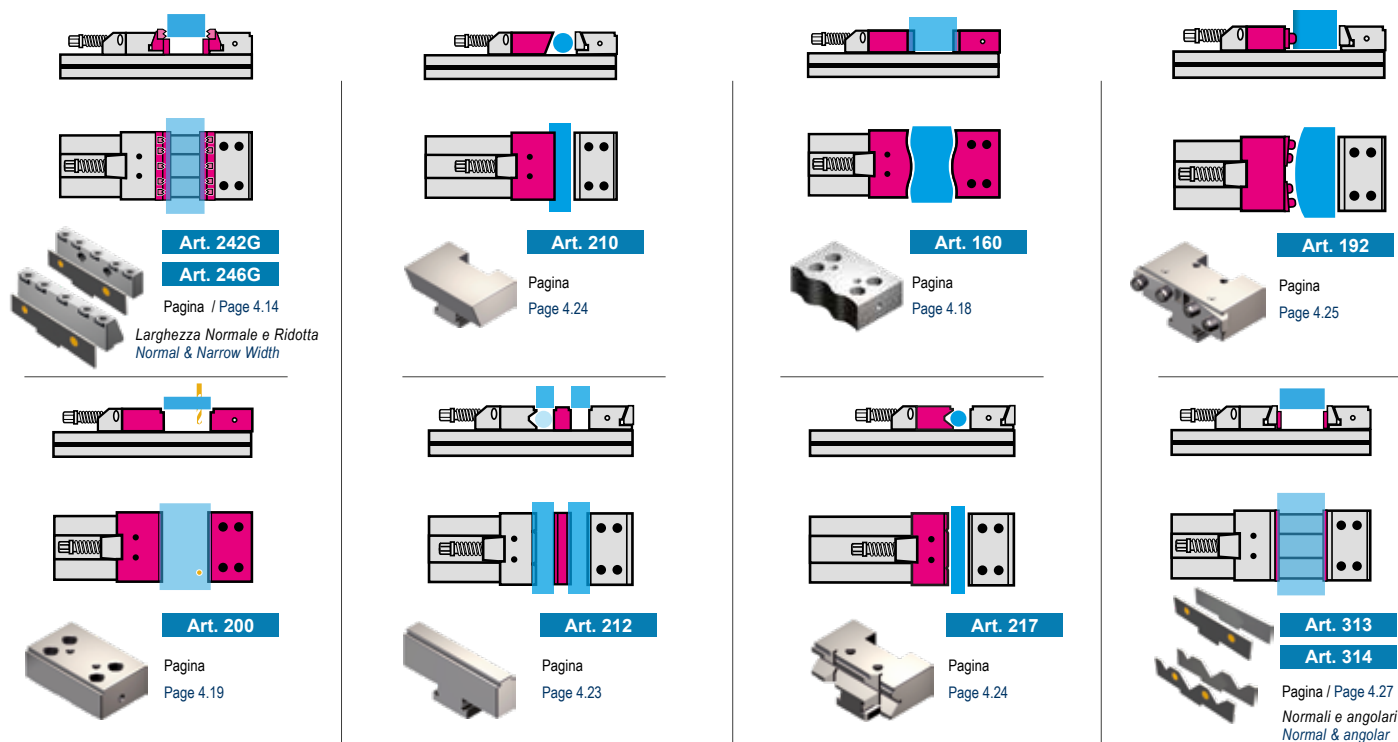
Guided movable jaws built in one solid body with a pull down angle

Parti di ricambio / Spare parts

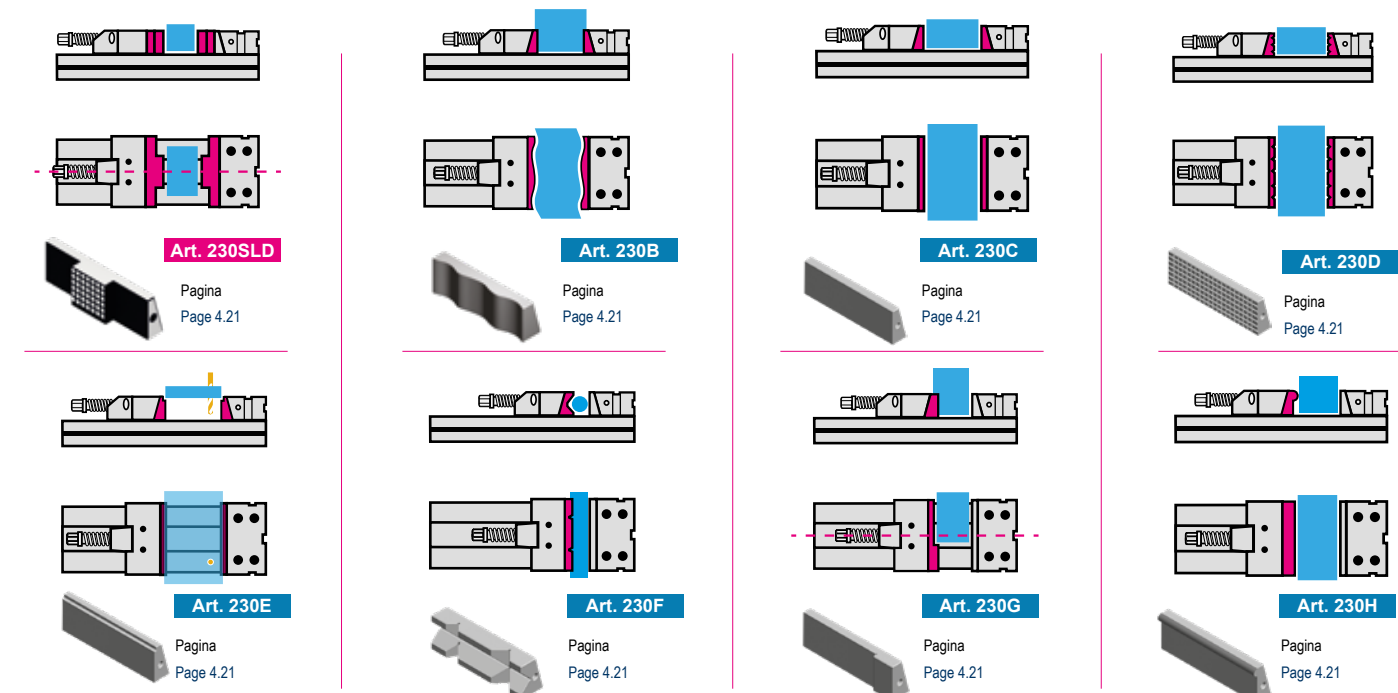
Standard / StdFLEX / XL

Piastre ganasce discendenti intercambiabili manualmente

Pull down jaws plates interchangeable by hand



PIASTRE GANASCE COMPATIBILI SOLO CON MORSE STDFLEX JAW PLATES COMPATIBLE ONLY WITH STDFLEX VISES



Soluzioni personalizzate / Customized solutions

Standard / StdFLEX / XL

Soluzioni personalizzate a tutti i vostri problemi di serraggio

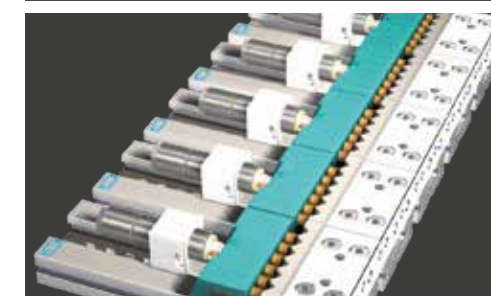
Customized solutions for all your clamping problems



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 verticale

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 versatilità 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

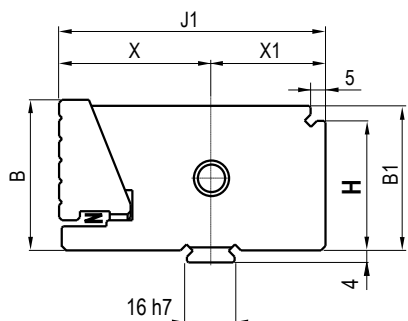
Morsa Standard con piastre ganasce a gradino con inserti Grip per un serraggio più efficace

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

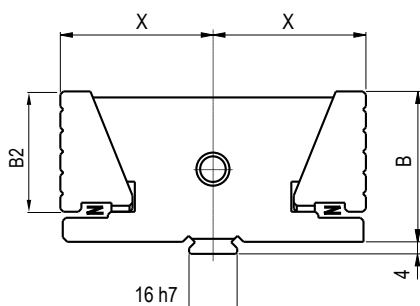
GANASCE STANDARD / STANDARD JAWS

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 € 155	Cod. 2.12.02000 € 197	Cod. 2.12.03000 € 235	Cod. 2.12.04000 € 276	Cod. 2.12.05000 € 393	Cod. 2.12.06000 € 604
Art. 121 Ganascia fissa. Larghezza ridotta rettificata (W2) - (W1) Fixed jaw. Narrow width ground (W2) - (W1)	Cod. 2.12.11000 € 200	Cod. 2.12.12000 € 253	Cod. 2.12.13000 € 304	Cod. 2.12.14000 € 358	Cod. 2.12.15000 € 510	Cod. 2.12.16000 € 786
Art. 123 Ganascia fissa doppia. Larghezza normale (W) - (W3) Double fixed jaw. Normal width (W) - (W3)	Cod. 2.12.31000 € 208	Cod. 2.12.32000 € 288	Cod. 2.12.33000 € 348	Cod. 2.12.34000 € 409	Cod. 2.12.35000 € 604	Cod. 2.12.36000 € 904
Art. 124 Ganascia fissa doppia. Larghezza ridotta rettificata (W2) - (W1) Double fixed jaw. Narrow width ground (W2) - (W1)	Cod. 2.12.41000 € 267	Cod. 2.12.42000 € 372	Cod. 2.12.43000 € 453	Cod. 2.12.44000 € 530	Cod. 2.12.45000 € 786	Cod. 2.12.46000 € 1.174
Art. 127 Ganascia mobile monoblocco guidata. Larghezza normale (W) - (W3) Guided movable solid jaw. Normal width (W) - (W3)	Cod. 2.12.71000 € 155	Cod. 2.12.72000 € 197	Cod. 2.12.73000 € 235	Cod. 2.12.74000 € 276	Cod. 2.12.75000 € 393	Cod. 2.12.76000 € 604
Art. 129 Ganascia mobile monoblocco guidata. Larghezza ridotta (W2) - (W1) Guided movable solid jaw. Narrow width (W2) - (W1)	Cod. 2.12.91000 € 155	Cod. 2.12.92000 € 197	Cod. 2.12.93000 € 235	Cod. 2.12.94000 € 276	Cod. 2.12.95000 € 393	Cod. 2.12.96000 € 604
Art. 126 Ganascia mobile oscillante . Larghezza normale (W) - (W3) Floating movable jaw. Normal width (W) - (W3)	Cod. 2.12.61000 € 155	Cod. 2.12.62000 € 197	Cod. 2.12.63000 € 235	Cod. 2.12.64000 € 276	Cod. 2.12.65000 € 393	Cod. 2.12.66000 € 604
Art. 128 Ganascia mobile oscillante . Larghezza ridotta (W2) - (W1) Floating movable jaw. Narrow width (W2) - (W1)	Cod. 2.12.81000 € 155	Cod. 2.12.82000 € 197	Cod. 2.12.83000 € 235	Cod. 2.12.84000 € 276	Cod. 2.12.85000 € 393	Cod. 2.12.86000 € 604

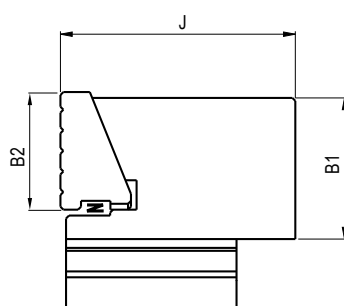
Art. 120



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	39	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	€ cad / each 64	€ cad / each 70	€ cad / each 83	€ cad / each 101	€ cad / each 141	€ cad / each 188
Standard	Per qualsiasi piastra ganascia speciale, raddoppiare il prezzo / For special tailor made jaw plate double the price					
A richiesta / On request (EXTRA)						
Art. 230 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	Cod. Art. 230 1.65.20000	Cod. Art. 230 1.65.30000	Cod. Art. 230 1.65.40000	Cod. Art. 230 1.65.50000	Cod. Art. 230 1.65.60000
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. 230S 4.23.0S100	Cod. Art. 230S 4.23.0S200	Cod. Art. 230S 4.23.0S300	Cod. Art. 230S 4.23.0S400	Cod. Art. 230S 4.23.0S500	Cod. Art. 230S 4.23.0S600
Art. 231 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	Cod. Art. 231 1.65.21000	Cod. Art. 231 1.65.31000	Cod. Art. 231 1.65.41000	Cod. Art. 231 1.65.51000	Cod. Art. 231 1.65.61000
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. 231S 4.23.1S100	Cod. Art. 231S 4.23.1S200	Cod. Art. 231S 4.23.1S300	Cod. Art. 231S 4.23.1S400	Cod. Art. 231S 4.23.1S500	Cod. Art. 231S 4.23.1S600
Art. 248 Per ganascia fissa doppia Art. 123 - Larghezza normale (W) For double fixed jaw Art. 123 - Normal width (W)	Cod. Art. 248 1.65.14000	Cod. Art. 248 1.65.24000	Cod. Art. 248 1.65.34000	Cod. Art. 248 1.65.44000	Cod. Art. 248 1.65.54000	Cod. Art. 248 1.65.64000
Art. 248S Per ganascia fissa doppia Art. 123 - Larghezza normale (W) For double fixed jaw Art. 123 - Normal width (W)	Cod. Art. 248S 4.24.8S100	Cod. Art. 248S 4.24.8S200	Cod. Art. 248S 4.24.8S300	Cod. Art. 248S 4.24.8S400	Cod. Art. 248S 4.24.8S500	Cod. Art. 248S 4.24.8S600
Art. 249 Per ganascia fissa doppia Art. 124 - Larghezza ridotta (W2) For double fixed jaw Art. 124 - Narrow width (W2)	Cod. Art. 249 1.65.15000	Cod. Art. 249 1.65.25000	Cod. Art. 249 1.65.35000	Cod. Art. 249 1.65.45000	Cod. Art. 249 1.65.55000	Cod. Art. 249 1.65.65000
Art. 249S Per ganascia fissa doppia Art. 124 - Larghezza ridotta (W2) For double fixed jaw Art. 124 - Narrow width (W2)	Cod. Art. 249S 4.24.9S100	Cod. Art. 249S 4.24.9S200	Cod. Art. 249S 4.24.9S300	Cod. Art. 249S 4.24.9S400	Cod. Art. 249S 4.24.9S500	Cod. Art. 249S 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)**

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)**

Art. 250

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

Art. 251

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

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)**

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)**

Art. 252

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

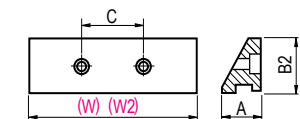
Art. 253

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



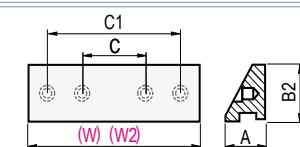
Cod. Art. 232	1.65.10100	1.65.20100	1.65.30100	1.65.40100	1.65.50100	1.65.60100
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Cod. Art. 233	1.65.11100	1.65.21100	1.65.31100	1.65.41100	1.65.51100	1.65.61100
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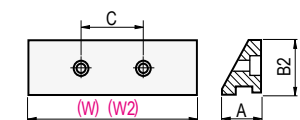
Cod. Art. 250	1.65.14100	1.65.24100	1.65.34100	1.65.44100	1.65.54100	1.65.64100
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Cod. Art. 251	1.65.15100	1.65.25100	1.65.35100	1.65.45100	1.65.55100	1.65.65100
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Cod. Art. 234	1.65.10200	1.65.20200	1.65.30200	1.65.40200	1.65.50200	1.65.60200
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Cod. Art. 235	1.65.11200	1.65.21200	1.65.31200	1.65.41200	1.65.51200	1.65.61200
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Cod. Art. 252	1.65.14200	1.65.24200	1.65.34200	1.65.44200	1.65.54200	1.65.64200
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Cod. Art. 253	1.65.15200	1.65.25200	1.65.35200	1.65.45200	1.65.55200	1.65.65200
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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 € 155	Cod. 2.14.02000 € 197	Cod. 2.14.03000 € 235	Cod. 2.14.04000 € 276	Cod. 2.14.05000 € 393	Cod. 2.14.06000 € 604
Art. 141 Ganascia fissa. Larghezza ridotta rettificata (W2) - (W1) Fixed jaw. Narrow width ground (W2) - (W1)	Cod. 2.14.11000 € 200	Cod. 2.14.12000 € 253	Cod. 2.14.13000 € 304	Cod. 2.14.14000 € 358	Cod. 2.14.15000 € 510	Cod. 2.14.16000 € 786
Art. 143 Ganascia fissa doppia. Larghezza normale (W) - (W3) Double fixed jaw. Normal width (W) - (W3)	Cod. 2.14.31000 € 208	Cod. 2.14.32000 € 288	Cod. 2.14.33000 € 348	Cod. 2.14.34000 € 409	Cod. 2.14.35000 € 604	Cod. 2.14.36000 € 904
Art. 144 Ganascia fissa doppia. Larghezza ridotta rettificata (W2) - (W1) Double fixed jaw. Narrow width ground (W2) - (W1)	Cod. 2.14.41000 € 267	Cod. 2.14.42000 € 372	Cod. 2.14.43000 € 453	Cod. 2.14.44000 € 530	Cod. 2.14.45000 € 786	Cod. 2.14.46000 € 1.174
Art. 146 Ganascia mobile monoblocco guidata. Larghezza normale (W) - (W3) Guided movable solid jaw. Normal width (W) - (W3)	Cod. 2.14.61000 € 155	Cod. 2.14.62000 € 197	Cod. 2.14.63000 € 235	Cod. 2.14.64000 € 276	Cod. 2.14.65000 € 393	Cod. 2.14.66000 € 604
Art. 147 Ganascia mobile monoblocco guidata. Larghezza ridotta (W2) - (W1) Guided movable solid jaw. Narrow width (W2) - (W1)	Cod. 2.14.71000 € 155	Cod. 2.14.72000 € 197	Cod. 2.14.73000 € 235	Cod. 2.14.74000 € 276	Cod. 2.14.75000 € 393	Cod. 2.14.76000 € 604
Art. 148 Ganascia mobile monoblocco oscillante. Larghezza normale (W) - (W3) Floating movable solid jaw. Normal width (W) - (W3)	Cod. 2.14.81000 € 155	Cod. 2.14.82000 € 197	Cod. 2.14.83000 € 235	Cod. 2.14.84000 € 276	Cod. 2.14.85000 € 393	Cod. 2.14.86000 € 604
Art. 149 Ganascia mobile monoblocco oscillante. Larghezza ridotta (W2) - (W1) Floating movable solid jaw. Narrow width (W2) - (W1)	Cod. 2.14.91000 € 155	Cod. 2.14.92000 € 197	Cod. 2.14.93000 € 235	Cod. 2.14.94000 € 276	Cod. 2.14.95000 € 393	Cod. 2.14.96000 € 604

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

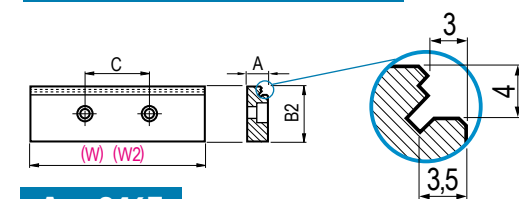
RICAMBI PER GANASCE CON PIASTRE PIANE / SPARES FOR STRAIGHT JAW PLATES

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	€ cad / each	64	70	83	101	141	188
Dotazione normale delle ganasce e delle morse complete Standard equipment on complete jaws and vises							
Standard	W	100	125	150	175	200	300
A richiesta On request	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	Cod. Art. 242	1.65.16000	1.65.26000	1.65.36000	1.65.46000	1.65.56000	1.65.66000
Art. 242S	Cod. Art. 242S	4.24.2S100	4.24.2S200	4.24.2S300	4.24.2S400	4.24.2S500	4.24.2S600
Art. 243	Cod. Art. 243	1.65.17000	1.65.27000	1.65.37000	1.65.47000	1.65.57000	1.65.67000
Art. 243S	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	Cod. Art. 244	4.24.41000	4.24.42000	4.24.43000	4.24.44000	4.24.45000	4.24.46000
Art. 245	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



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

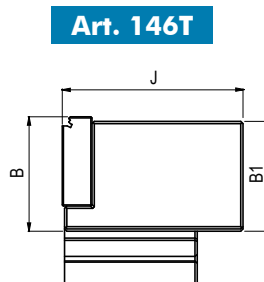
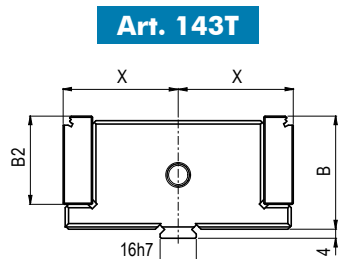
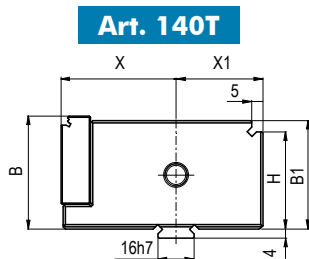


PIASTRE GANASCE "GRIP" JAW PLATES

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

GANASCE CON PIASTRE PIANE GRIP / STRAIGHT PLATE GRIP JAWS

Tipo (grandezza) morsa / Vise type (size)	NEW	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
	€	155	197	235	276	393	604
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
	€	200	253	304	358	510	786
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	2.14.3T600
	€	208	288	348	409	604	904
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
	€	267	372	453	530	786	1.174
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
	€	155	197	235	276	393	604
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
	€	155	197	235	276	393	604

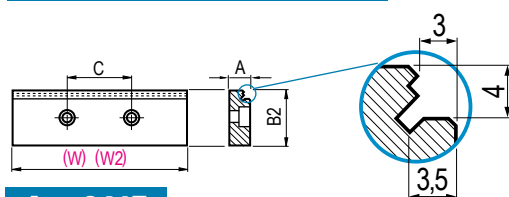


* DIMENSIONE DA ACCOPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

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 TEMPERATE 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



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)**

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)**

PIASTRE GANASCE "GRIP" JAW PLATES

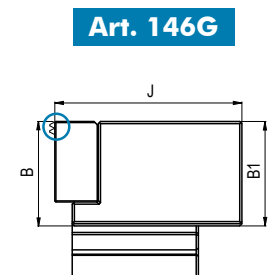
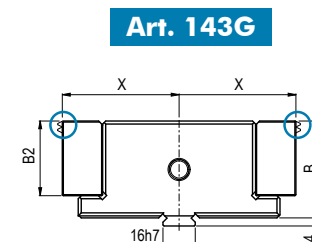
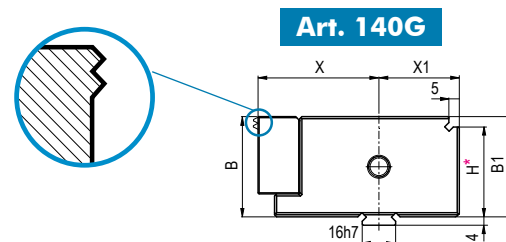
MINOR SUPERFICIE DI CONTATTO + PRESSIONE DI SERRAGGIO
LESS SURFACE CONTACT + CLAMPING PRESSURE

Cod. Art. 246T	4.24.6T100	4.24.6T200	4.24.6T300	4.24.6T400	4.24.6T500	4.24.6T600
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Cod. Art. 247T	4.24.7T100	4.24.7T200	4.24.7T300	4.24.7T400	4.24.7T500	4.24.7T600
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GANASCE CON PIASTRE CON INSERTI GRIP / STRAIGHT PLATE JAWS WITH GRIP INSERTS

Tipo (grandezza) morsa / Vise type (size)	NEW	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)							
	Cod.	2.14.0G100	2.14.0G200	2.14.0G300	2.14.0G400	2.14.0G500	2.14.0G600
	€	226	273	341	385	539	792
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.	2.14.1G100	2.14.1G200	2.14.1G300	2.14.1G400	2.14.1G500	2.14.1G600
	€	270	329	377	466	625	943
Art. 143G Ganascia fissa doppia completa di parallela magnetica. Larghezza normale (W) - (W3) Double fixed jaw complete with magnetic parallel. Normal width (W) - (W3)							
	Cod.	2.14.3G100	2.14.3G200	2.14.3G300	2.14.3G400	2.14.3G500	2.14.3G600
	€	340	429	542	609	873	1.246
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.	2.14.4G100	2.14.4G200	2.14.4G300	2.14.4G400	2.14.4G500	2.14.4G600
	€	399	515	590	729	1.001	1.464
Art. 146G Ganascia mobile monoblocco guidata completa di parallela magnetica. Larghezza normale (W) Guided movable solid jaw. Complete with magnetic parallel. Normal width (W)							
	Cod.	2.14.6G100	2.14.6G200	2.14.6G300	2.14.6G400	2.14.6G500	2.14.6G600
	€	226	273	341	385	539	792
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.	2.14.7G100	2.14.7G200	2.14.7G300	2.14.7G400	2.14.7G500	2.14.7G600
	€	226	273	308	385	508	762
Art. 148G Ganascia mobile monoblocco oscillante completa di parallela magnetica. Larghezza normale (W) Floating movable solid jaw complete with magnetic parallel. Normal width (W)							
	Cod.	2.14.8G100	2.14.8G200	2.14.8G300	2.14.8G400	2.14.8G500	2.14.8G600
	€	226	273	341	385	539	792
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.	2.14.9G100	2.14.9G200	2.14.9G300	2.14.9G400	2.14.9G500	2.14.9G600
	€	226	273	308	385	508	762

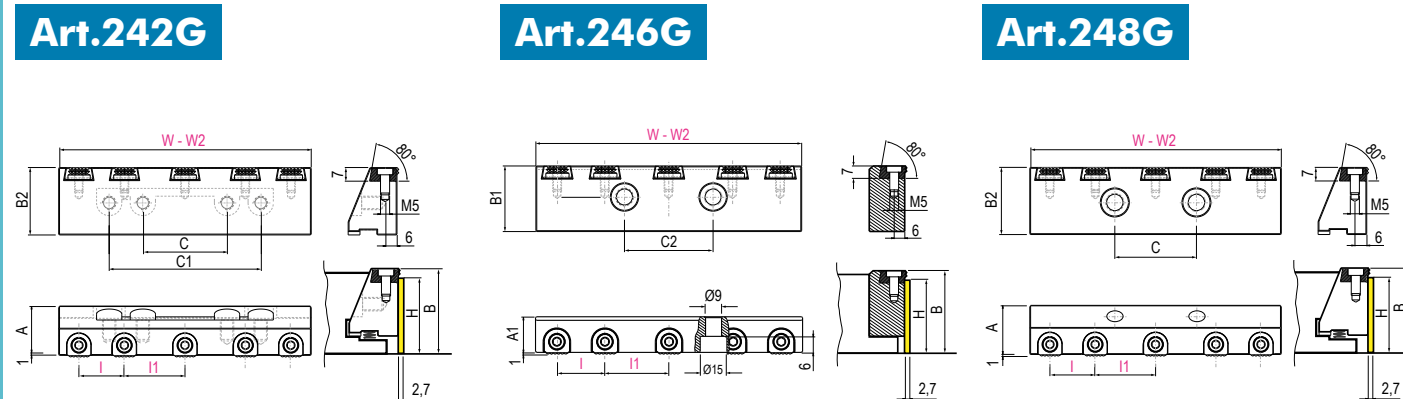


* DIMENSIONE DA ACCOPIARE AD Art. 212 + 217 + 214 - DIMENSION TO BE MATCHED WITH Art. 212 + 217 + 214

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 Ganasce con Inserti GRIP. Larghezza normale (W) Jaw plate with GRIP insert. Normal width (W)	Cod. 1.24.2G100 € 134	Cod. 1.24.2G200 € 145	Cod. 1.24.2G300 € 188	Cod. 1.24.2G400 € 210	Cod. 1.24.2G500 € 288	Cod. 1.24.2G600 € 375
Art. 243G Piastra Ganasce con Inserti GRIP. Larghezza ridotta rettificata (W1) Jaw plate with GRIP insert. Narrow width ground (W1)	Cod. 1.24.3G100 € 134	Cod. 1.24.3G200 € 145	Cod. 1.24.3G300 € 156	Cod. 1.24.3G400 € 210	Cod. 1.24.3G500 € 256	Cod. 1.24.3G600 € 345
Art. 248G Piastra Ganasce con Inserti GRIP per ganasce fissa doppia. Larghezza normale (W) Jaw plate with GRIP insert for double fixed jaw. Normal width (W)	Cod. 1.24.8G100 € 134	Cod. 1.24.8G200 € 145	Cod. 1.24.8G300 € 188	Cod. 1.24.8G400 € 210	Cod. 1.24.8G500 € 288	Cod. 1.24.8G600 € 375
Art. 249G Piastra Ganasce con Inserti GRIP per ganasce fissa doppia. Larghezza ridotta rettificata (W1) Jaw plate with GRIP insert. Narrow width ground (W1)	Cod. 1.24.9G100 € 134	Cod. 1.24.9G200 € 145	Cod. 1.24.9G300 € 156	Cod. 1.24.9G400 € 210	Cod. 1.24.9G500 € 256	Cod. 1.24.9G600 € 345
Art. 246G Piastra Piana con Inserti GRIP. Larghezza normale (W) Straight Plate with GRIP inserts. Normal width (W)	Cod. 1.24.6G100 € 134	Cod. 1.24.6G200 € 145	Cod. 1.24.6G300 € 188	Cod. 1.24.6G400 € 210	Cod. 1.24.6G500 € 288	Cod. 1.24.6G600 € 375
Art. 247G Piastra Piana con Inserti GRIP. Larghezza ridotta rettificata (W1) Straight Plate with GRIP inserts. Narrow width ground (W1)	Cod. 1.24.7G100 € 134	Cod. 1.24.7G200 € 145	Cod. 1.24.7G300 € 188	Cod. 1.24.7G400 € 210	Cod. 1.24.7G500 € 288	Cod. 1.24.7G600 € 375

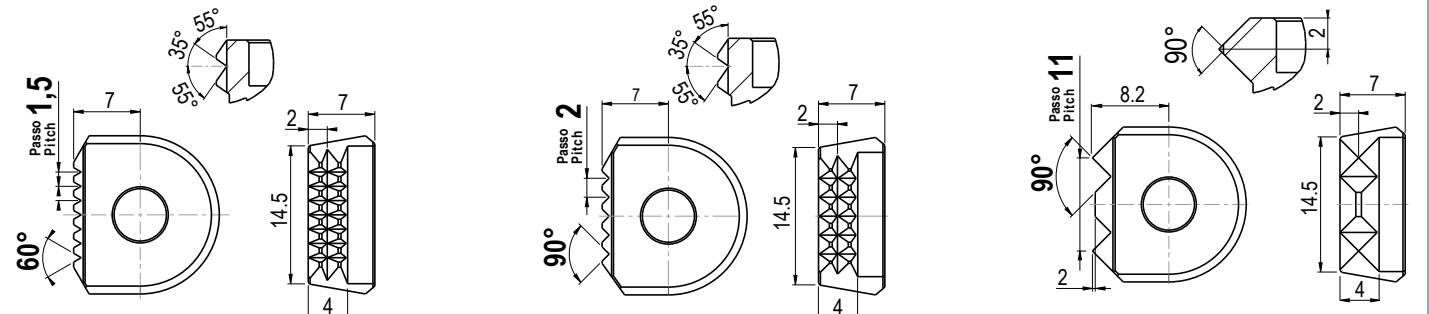


Dotazione Standard - Standard Equipment
1 pc. Art.313S (parallela magnetica SINGOLA) - 1 pc. Art.313S (SINGLE magnetic parallel)

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. 248G Per ganasce fissa doppia For double fixed jaw Con parallela magnetica e Inserti GRIP With magnetic parallel and GRIP inserts	Art. 246G Piastra Piana Straight Plate Piana con parallela magnetica e Inserti GRIP Straight with magnetic parallel and GRIP inserts
Art. 243G Larghezza ridotta Narrow width	Art. 249G Larghezza ridotta Narrow width	Art. 247G Larghezza ridotta Narrow width
Inserti Grip - Grip Inserts		
Art. 220 G01 Per materiali di durezza normale For standard workpieces hardness clamping	Art. 220 G02 Per materiali di notevole durezza. For hardened workpieces clamping	Art. 220 G11 Per materiali teneri For soft material clamping
Cod. 4.22.01000 / G01 € 18	Cod. 4.22.01000 / G02 € 18	Cod. 4.22.01000 / G11 € 18

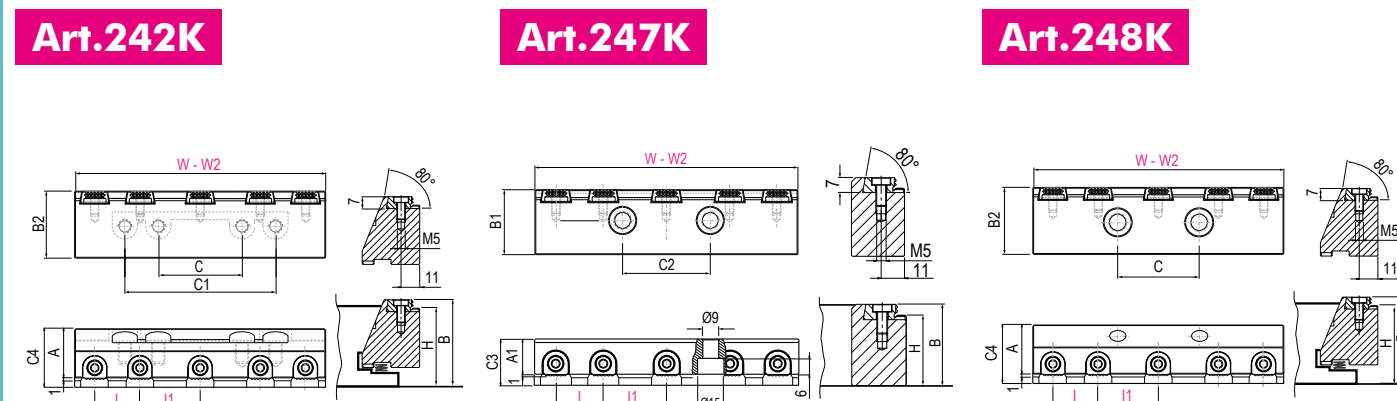


Tipo / Type	1	2	3	4	5	6
Art.242G - Art.248G - Art.246G	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	9 pcs each jaw plate
Art.243G - Art.249G - Art.247G	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs 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	NEW 2023					
Ø	15					
Cod.	4.22.0F1510					
€	309					

PIASTRE GANASCE A GRADINO INTEGRALE CON INSERTI GRIP

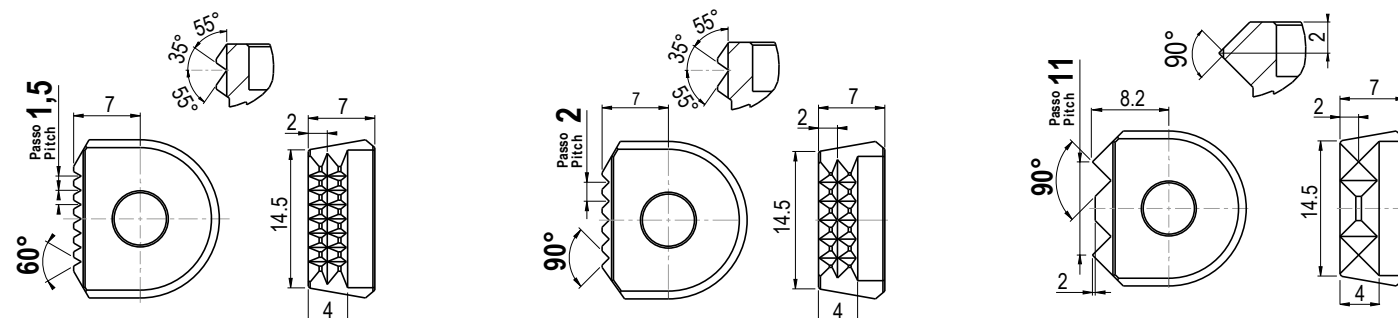
Tipo (grandezza) morsa / Vise type (size)	NEW 2023					
	1	2	3	4	5	6
Art. 242K Piastra Ganasce a gradino con Inserti GRIP. Larghezza normale (W) Step jaw plate with GRIP insert. Normal width (W)	Cod. 1.24.2K100 € 134	Cod. 1.24.2K200 € 145	Cod. 1.24.2K300 € 188	Cod. 1.24.2K400 € 210	Cod. 1.24.2K500 € 288	Cod. 1.24.2K600 € 375
Art. 243K Piastra Ganasce a gradino con Inserti GRIP. Larghezza ridotta rettificata (W1) Step jaw plate with GRIP insert. Narrow width ground (W1)	Cod. 1.24.3K100 € 134	Cod. 1.24.3K200 € 145	Cod. 1.24.3K300 € 156	Cod. 1.24.3K400 € 210	Cod. 1.24.3K500 € 256	Cod. 1.24.3K600 € 345
Art. 248K Piastra Ganasce 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 € 134	Cod. 1.24.8K200 € 145	Cod. 1.24.8K300 € 188	Cod. 1.24.8K400 € 210	Cod. 1.24.8K500 € 288	Cod. 1.24.8K600 € 375
Art. 249K Piastra Ganasce 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 € 134	Cod. 1.24.9K200 € 145	Cod. 1.24.9K300 € 156	Cod. 1.24.9K400 € 210	Cod. 1.24.9K500 € 256	Cod. 1.24.9K600 € 345
Art. 246K Piastra Piana con Inserti GRIP. Larghezza normale (W) Straight Plate with GRIP inserts. Normal width (W)	Cod. 1.24.6K100 € 134	Cod. 1.24.6K200 € 145	Cod. 1.24.6K300 € 188	Cod. 1.24.6K400 € 210	Cod. 1.24.6K500 € 288	Cod. 1.24.6K600 € 375
Art. 247K Piastra Piana con Inserti GRIP. Larghezza ridotta rettificata (W1) Straight Plate with GRIP inserts. Narrow width ground (W1)	Cod. 1.24.7K100 € 134	Cod. 1.24.7K200 € 145	Cod. 1.24.7K300 € 156	Cod. 1.24.7K400 € 210	Cod. 1.24.7K500 € 256	Cod. 1.24.7K600 € 345



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	Art. 220 G02 Per materiali di notevole durezza. For hardened workpieces clamping	Art. 220 G11 Per materiali teneri For soft material clamping
Cod. 4.22.01000 / G01 € 18	Cod. 4.22.01000 / G02 € 18	Cod. 4.22.01000 / G11 € 18



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

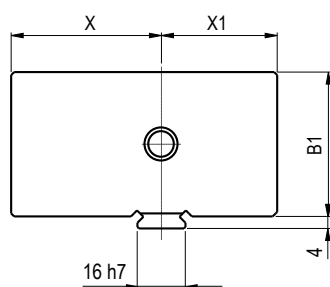
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 220F Utensile fresa per realizzare sedi per inserti grip su piastre ganasce dolci Milling tool for machining the insert grip seat on machineable jaw plates	NEW 2023					
Ø 15	15					
Cod. 4.22.0F1510	€ 309					

GANASCE LAVORABILI MONOBLOCCO / SOLID MACHINEABLE JAWS

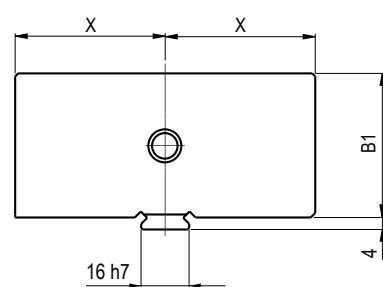
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 160 Ganascia fissa. Larghezza normale (W3) Fixed jaw. Normal width (W3)	Cod. 2.16.01000 € 155	Cod. 2.16.02000 € 197	Cod. 2.16.03000 € 235	Cod. 2.16.04000 € 276	Cod. 2.16.05000 € 393	Cod. 2.16.06000 € 604
Art. 161 Ganascia fissa. Larghezza ridotta rettificata (W1) Fixed jaw. Narrow width ground (W1)	Cod. 2.16.11000 € 200	Cod. 2.16.12000 € 253	Cod. 2.16.13000 € 304	Cod. 2.16.14000 € 358	Cod. 2.16.15000 € 510	Cod. 2.16.16000 € 786
Art. 163 Ganascia fissa doppia. Larghezza normale (W3) Double fixed jaw. Normal width (W3)	Cod. 2.16.31000 € 208	Cod. 2.16.32000 € 288	Cod. 2.16.33000 € 348	Cod. 2.16.34000 € 409	Cod. 2.16.35000 € 604	Cod. 2.16.36000 € 904
Art. 164 Ganascia fissa doppia. Larghezza ridotta rettificata (W1) Double fixed jaw. Narrow width ground (W1)	Cod. 2.16.41000 € 267	Cod. 2.16.42000 € 372	Cod. 2.16.43000 € 453	Cod. 2.16.44000 € 530	Cod. 2.16.45000 € 786	Cod. 2.16.46000 € 1.174
Art. 166 Ganascia mobile monoblocco guidata. Larghezza normale (W3) Guided movable solid jaw. Normal width (W3)	Cod. 2.16.61000 € 155	Cod. 2.16.62000 € 197	Cod. 2.16.63000 € 235	Cod. 2.16.64000 € 276	Cod. 2.16.65000 € 393	Cod. 2.16.66000 € 604
Art. 167 Ganascia mobile monoblocco guidata. Larghezza ridotta (W2) Guided movable solid jaw. Narrow width (W2)	Cod. 2.16.71000 € 155	Cod. 2.16.72000 € 197	Cod. 2.16.73000 € 235	Cod. 2.16.74000 € 276	Cod. 2.16.75000 € 393	Cod. 2.16.76000 € 604
Art. 168 Ganascia mobile monoblocco oscillante. Larghezza normale (W3) Floating movable solid jaw. Normal width (W3)	Cod. 2.16.81000 € 155	Cod. 2.16.82000 € 197	Cod. 2.16.83000 € 235	Cod. 2.16.84000 € 276	Cod. 2.16.85000 € 393	Cod. 2.16.86000 € 604
Art. 169 Ganascia mobile monoblocco oscillante. Larghezza ridotta (W2) Floating movable solid jaw. Narrow width (W2)	Cod. 2.16.91000 € 155	Cod. 2.16.92000 € 197	Cod. 2.16.93000 € 235	Cod. 2.16.94000 € 276	Cod. 2.16.95000 € 393	Cod. 2.16.96000 € 604

Durezza / Hardness HB= 290

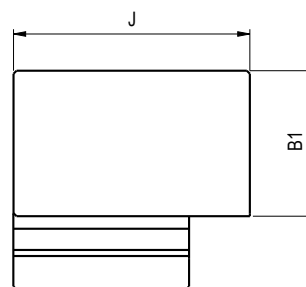
Art. 160



Art. 163



Art. 166



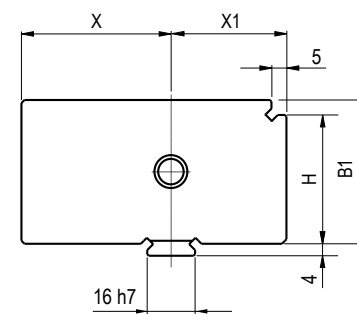
Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
W1	75	95	125	145	170	195
W2	74	94	124	144	169	194
B1	28	38	48	58	63	78
Y	21	28	41	51	61	71
Y-1	20	27	40	50	60	70
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	36,5	41,5	47	47

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

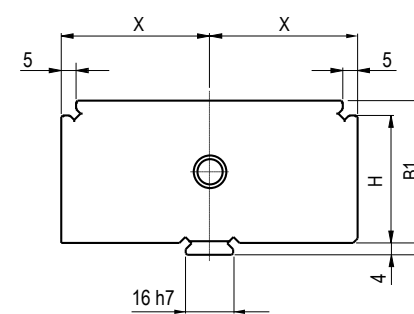
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 200 Ganascia fissa. Larghezza normale (W3) Fixed jaw. Normal width (W3)	Cod. 2.20.01000 € 155	Cod. 2.20.02000 € 197	Cod. 2.20.03000 € 235	Cod. 2.20.04000 € 276	Cod. 2.20.05000 € 393	Cod. 2.20.06000 € 604
Art. 201 Ganascia fissa. Larghezza ridotta rettificata (W1) Fixed jaw. Narrow width ground (W1)	Cod. 2.20.11000 € 200	Cod. 2.20.12000 € 253	Cod. 2.20.13000 € 304	Cod. 2.20.14000 € 358	Cod. 2.20.15000 € 510	Cod. 2.20.16000 € 786
Art. 203 Ganascia fissa doppia. Larghezza normale (W3) Double fixed jaw. Normal width (W3)	Cod. 2.20.31000 € 208	Cod. 2.20.32000 € 288	Cod. 2.20.33000 € 348	Cod. 2.20.34000 € 409	Cod. 2.20.35000 € 604	Cod. 2.20.36000 € 904
Art. 204 Ganascia fissa doppia. Larghezza ridotta rettificata (W1) Double fixed jaw. Narrow width ground (W1)	Cod. 2.20.41000 € 267	Cod. 2.20.42000 € 372	Cod. 2.20.43000 € 453	Cod. 2.20.44000 € 530	Cod. 2.20.45000 € 786	Cod. 2.20.46000 € 1.174
Art. 208 Ganascia mobile monoblocco guidata. Larghezza normale (W3) Guided movable solid jaw. Normal width (W3)	Cod. 2.20.81000 € 155	Cod. 2.20.82000 € 197	Cod. 2.20.83000 € 235	Cod. 2.20.84000 € 276	Cod. 2.20.85000 € 393	Cod. 2.20.86000 € 604
Art. 209 Ganascia mobile monoblocco guidata. Larghezza ridotta (W2) Guided movable solid jaw. Narrow width (W2)	Cod. 2.20.91000 € 155	Cod. 2.20.92000 € 197	Cod. 2.20.93000 € 235	Cod. 2.20.94000 € 276	Cod. 2.20.95000 € 393	Cod. 2.20.96000 € 604
Art. 206 Ganascia mobile monoblocco oscillante. Larghezza normale (W3) Floating movable solid jaw. Normal width (W3)	Cod. 2.20.61000 € 155	Cod. 2.20.62000 € 197	Cod. 2.20.63000 € 235	Cod. 2.20.64000 € 276	Cod. 2.20.65000 € 393	Cod. 2.20.66000 € 604
Art. 207 Ganascia mobile monoblocco oscillante. Larghezza ridotta (W2) Floating movable solid jaw. Narrow width (W2)	Cod. 2.20.71000 € 155	Cod. 2.20.72000 € 197	Cod. 2.20.73000 € 235	Cod. 2.20.74000 € 276	Cod. 2.20.75000 € 393	Cod. 2.20.76000 € 604

Durezza / Hardness HRC= 60

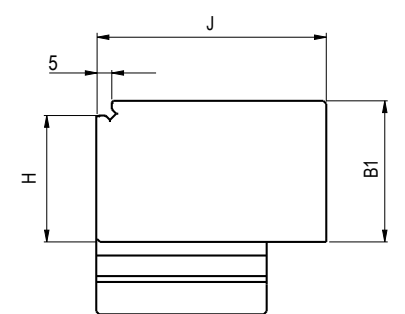
Art. 200



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
€	200	254	304	358	513	787

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
€	269	372	453	530	787	1.176

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
€	200	254	304	358	513	787

Art. 127A

Ganascia mobile guidata
Guided movable jaw



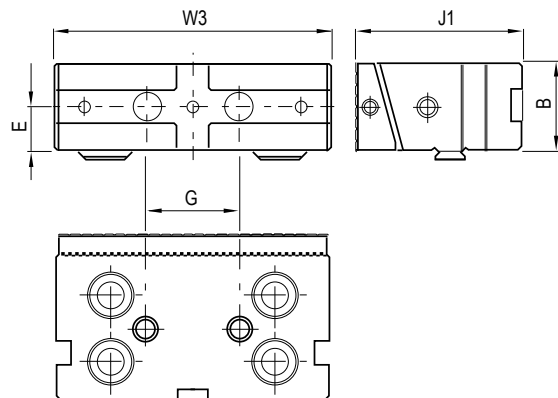
Cod.	4.12.7A100	4.12.7A200	4.12.7A300	4.12.7A400	4.12.7A500	4.12.7A600
€	200	254	304	358	513	787

Durezza / Hardnes HRC= 60

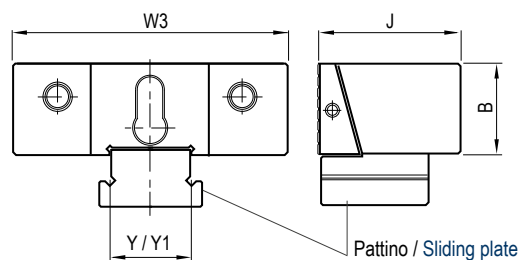
Ganasce StandardFLEX con piastre intercambiabili manualmente (Sistema a pettine)
StandardFLEX jaws with interchangeable jaw plates by hand (Comb system)



Art. 120A



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

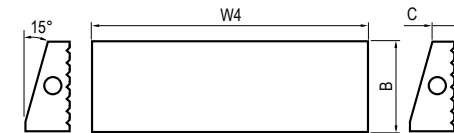
mm	1	2	3	4	5	6
W3	96	121	146	171	196	296
W4	95	120	145	170	195	295
B	28	38	48	58	63	78
E	14	19	25	27	30	47
G	-	-	50	50	50	50
J	50	60	80	90	100	120
J1	77,9	77,9	89,4	96,9	113,4	120,4
Y	21	28	41	51	61	71
Y1	20	27	40	50	60	70

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

Tipo (grandezza) morsa / Vise type (size)

1 2 3 4 5 6

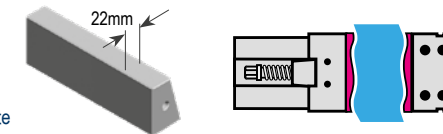
Piastra ganascia rapida singola. Ricambi per ganasce rapide a pettine
Single quick change jaw plates. Spares for quick change comb jaw



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

Art. 230B

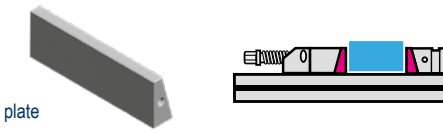
Piastra ganascia intercambiabile dolce a pettine
Soft comb interchangeable jaw plate



Cod.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401	4.23.0B501	4.23.0B601
€	76	83	98	125	174	229

Art. 230C

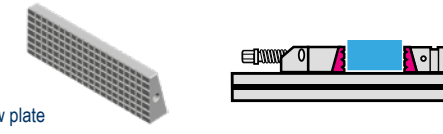
Piastra ganascia intercambiabile liscia a pettine
Smooth comb interchangeable jaw plate



Cod.	4.23.0C101	4.23.0C201	4.23.0C301	4.23.0C401	4.23.0C501	4.23.0C601
€	92	101	124	153	216	287

Art. 230D

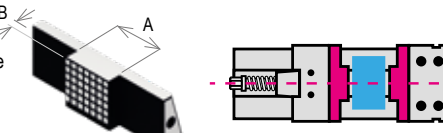
Piastra ganascia intercambiabile zigrinata a pettine
Serrated comb interchangeable jaw plate



Cod.	4.23.0D101	4.23.0D201	4.23.0D301	4.23.0D401	4.23.0D501	4.23.0D601
€	92	101	124	153	216	287

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

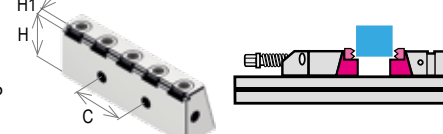
A	28	38	48	58	63	95
B	12	12	12	12	12	12
C	14	18	32	42	47	79
H	8	8	8	8	8	8

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

€	92	101	124	153	216	287
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Art. 230K

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

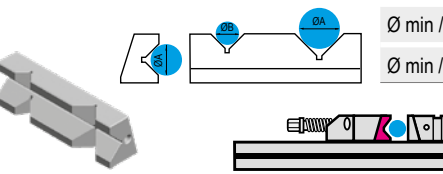


C	14	18	32	42	47	79
H	24	34	44	54	59	74
H1	4	4	4	4	4	4

Cod.	4.23.0K100	4.23.0K200	4.23.0K300	4.23.0K400	4.23.0K500	4.23.0K600
€	144	166	210	243	309	409

Art. 230F

Piastra ganascia intercambiabile prismatica a pettine
Prismatic comb interchangeable jaw plate

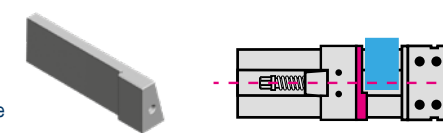


A	6 / 16	9 / 24	13 / 38	15 / 40	15 / 42	15 / 42
B	4 / 10	7 / 18	9 / 24	9 / 24	9 / 24	9 / 24

Cod.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401	4.23.0F501	4.23.0F601
€	123	132	157	199	280	370

Art. 230G

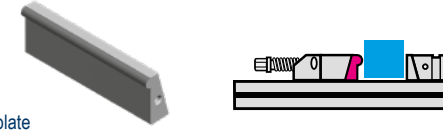
Piastra ganascia intercambiabile a pettine con arresto a 90°
90° interchangeable comb jaw plate



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
€	92	101	124	153	216	287

Art. 230H

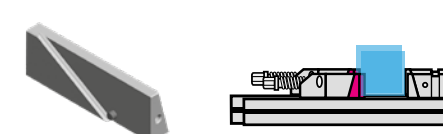
Piastra ganascia intercambiabile bombata a pettine
Round comb interchangeable jaw plate



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
€	92	101	124	153	216	287

Art. 230M

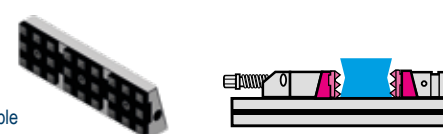
Piastra ganascia intercambiabile a pettine per angolo di 30° o 45°
30° or 45° angle interchangeable comb jaw plate



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
€	123	132	157	199	280	370

Art. 230L

Piastra ganascia intercambiabile a pettine con inserti GRIP frontal
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
€	144	166	210	243	309	409

GANASCE StdFLEX A CAMBIO RAPIDO / StdFLEX QUICK CHANGE JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 230E Piastra ganascia intercambiabile a gradino a pettine Step comb interchangeable jaw plate						
W	95	120	145	170	195	295
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

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

Cod.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401	4.23.0E501	4.23.0E601
€	92	101	124	153	216	287

SET RISPARMIO FINO AL 48% - SAVING WITH THE SET UP TO 48%

*Aggiungendo solo 1€ al set di piastre ganascia hai in regalo il portapiastre Art.320X ! - Rack Art.320X supplied with the SET with 1€ only

Acquistando i seguenti set di piastre ganascie
If you purchase this number of jaw plate sets

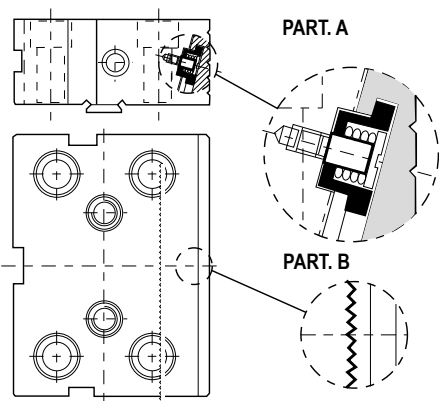
*Set	8	12	14	14	14	14
Pezzi - Pieces						
€	436	720	1.007	1.263	1.797	2.379
Prezzo Cad. se acquistate con set Price each in case of set purchase	€	55	60	72	91	129
						170

Art. 320

Portapiastre
Rack



Art. 605G1	Vite a gradino / Step screw	Cod.	6.60.5G101
		€	8
Art. 605G2	Perno a molla / Spring pin	Cod.	6.60.5G201 6.60.5G202
		€	8 9
Art. 605G3	Molla / Spring	Cod.	6.60.5G301
		€	15



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.

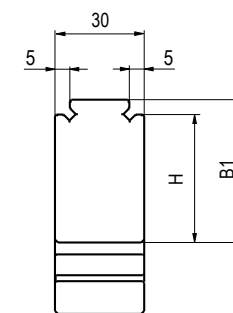
Quick hand change of downward jaw plates - no tools needed

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.

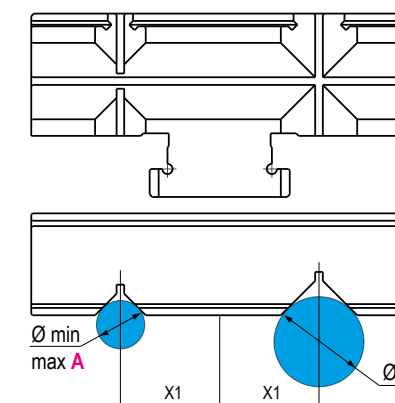
GANASCE MOBILI INTERMEDIE / INTERMEDIATE MOVABLE JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 212 Ganascia mobile intermedia con doppio gradino. Larghezza normale (W3) Intermediate 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
€	101	124	160	201	242	335
Art. 213 Ganascia mobile intermedia con doppio gradino. Larghezza ridotta (W2) Intermediate 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
€	101	124	160	201	242	335
Art. 214 Ganascia mobile intermedia prismatica. Larghezza normale (W3) Prismatic intermediate movable jaw. Normal width (W3)						
Cod.	1.21.41000	1.21.42000	1.21.43000	1.21.44000	1.21.45000	1.21.46000
€	159	160	201	254	335	571
Art. 215 Ganascia mobile intermedia. Larghezza ridotta (W2) Intermediate movable jaw. Narrow width (W2)						
Cod.	1.21.51000	1.21.52000	1.21.53000	1.21.54000	1.21.55000	1.21.56000
€	159	160	201	254	335	571
Art. 224 Ganascia mobile intermedia. Larghezza normale (W3) Intermediate movable jaw. Normal width (W3)						
Cod.	1.22.41000	1.22.42000	1.22.43000	1.22.44000	1.22.45000	1.22.46000
€	117	134	175	221	267	373
Art. 225 Ganascia mobile intermedia. Larghezza ridotta (W2) Intermediate movable jaw. Narrow width (W2)						
Cod.	1.22.51000	1.22.52000	1.22.53000	1.22.54000	1.22.55000	1.22.56000
€	117	134	175	221	267	373

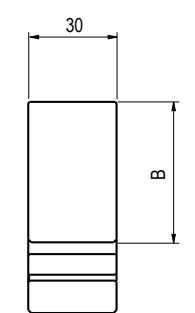
Art. 212



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

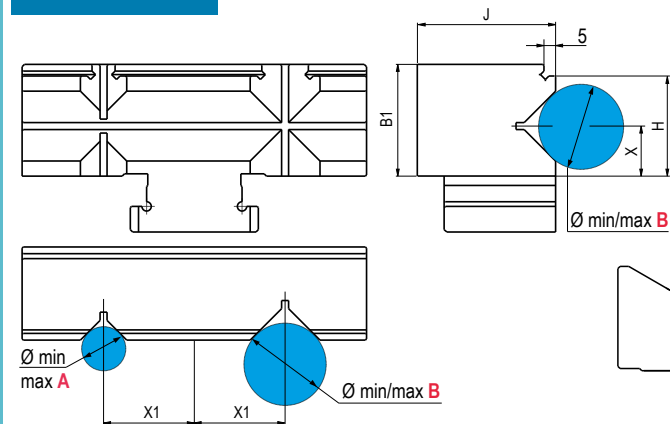
GANASCE MOBILI PRISMATICHE / PRISMATIC MOVABLE JAWS

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 € 159	Cod. 2.21.72000 € 133	Cod. 2.21.73000 € 188	Cod. 2.21.74000 € 254	Cod. 2.21.75000 € 335	Cod. 2.21.76000 € 571
Art. 218 Ganascia mobile guidata prismatica. Larghezza ridotta (W2) Prismatic guided movable jaw. Narrow width (W2)	Cod. 2.21.81000 € 159	Cod. 2.21.82000 € 133	Cod. 2.21.83000 € 188	Cod. 2.21.84000 € 254	Cod. 2.21.85000 € 335	Cod. 2.21.86000 € 571
Art. 152 Inserto prismatico. Larghezza ridotta (W2) Prismatic insert. Narrow width (W2)	Cod. 4.15.21000 € 249	Cod. 4.15.22000 € 312	Cod. 4.15.23000 € 377	Cod. 4.15.24000 € 440	Cod. 4.15.25000 € 545	Cod. 4.15.26000 € 813

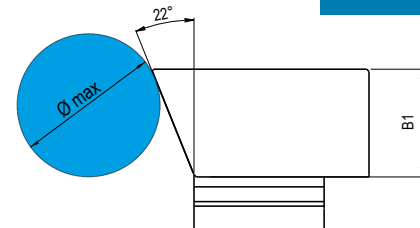
Ganasce per PARTICOLARI TONDI / Jaws for ROUND WORKPIECE

Art. 210 Ganascia mobile oscillante. Larghezza normale (W3) Floating movable jaw. Normal width (W3)	Cod. 2.21.01000 € 155	Cod. 2.21.02000 € 197	Cod. 2.21.03000 € 235	Cod. 2.21.04000 € 276	Cod. 2.21.05000 € 393	Cod. 2.21.06000 € 604
Art. 211 Ganascia mobile oscillante. Larghezza ridotta (W2) Floating movable jaw. Narrow width (W2)	Cod. 2.21.11000 € 155	Cod. 2.21.12000 € 197	Cod. 2.21.13000 € 235	Cod. 2.21.14000 € 276	Cod. 2.21.15000 € 393	Cod. 2.21.16000 € 604

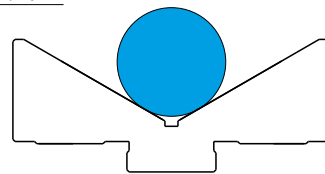
Art. 217



Art. 210



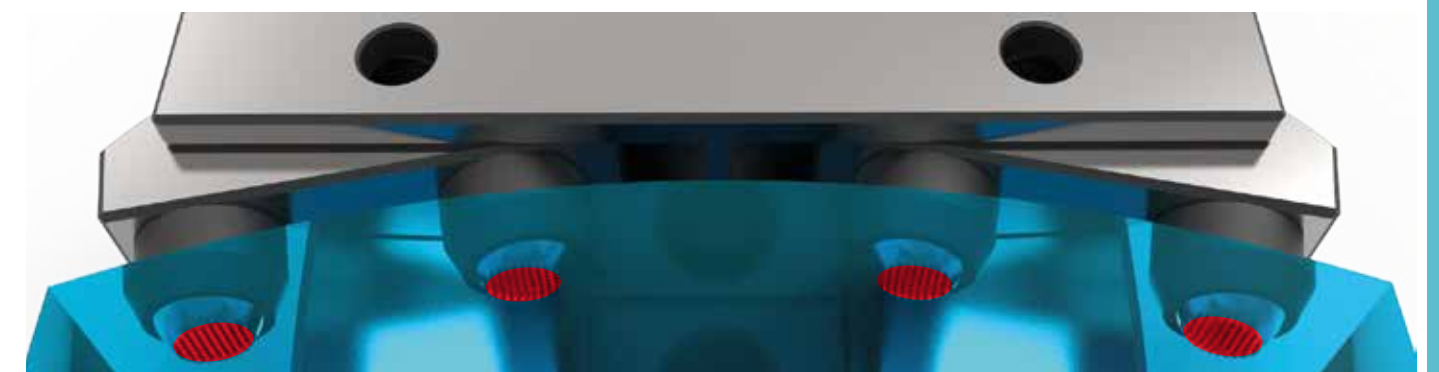
Art. 152



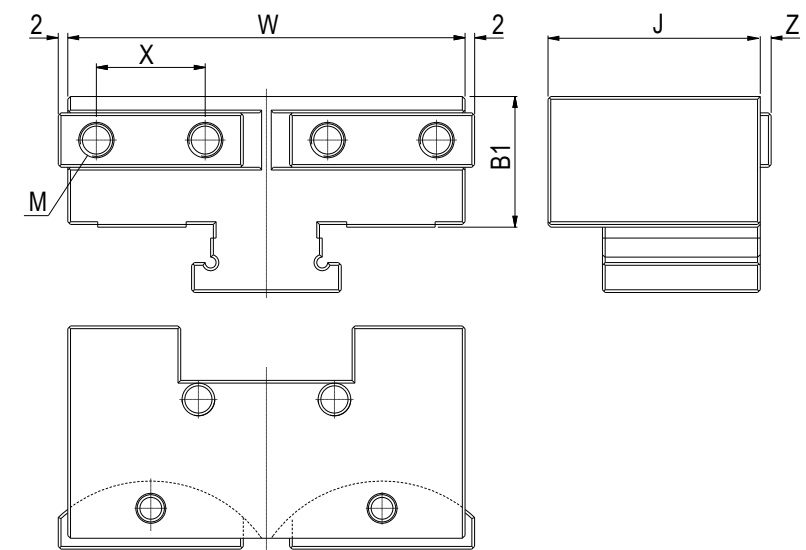
mm	1	2	3	4	5	6
W3	96	121	146	171	196	296
W2	74	94	124	144	169	194
B1	28	38	48	58	63	78
H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	11,5	16,5	21,5	26,5	31,5	34
X1	25	33	39	50	50	70
Ø min / max A Art. 217	4 - 10	7 - 18	9 - 24	9 - 24	9 - 24	10 - 28
Ø min / max B Art. 217	6 - 16	9 - 24	13 - 38	15 - 40	15 - 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.	Cod. 4.19.21000 € 462	Cod. 4.19.22000 € 591	Cod. 4.19.23000 € 706	Cod. 4.19.24000 € 785	Cod. 4.19.25000 € 999	Cod. 4.19.26000 € 1.325
Art. 192S Ganascia mobile oscillante con 2 elementi oscillanti e puntali sferici zigrinati. Floating movable jaw with two floating elements and spherical serrated points.	Cod. 4.19.2S100	Cod. 4.19.2S200	Cod. 4.19.2S300	Cod. 4.19.2S400	Cod. 4.19.2S500	Cod. 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 angular parallels plates to machine (milling, drilling and tapping) flat pieces of any size and dimension without disassembling or positioning the fixture again.

No problem with chips magnetic

VANTAGGI:

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

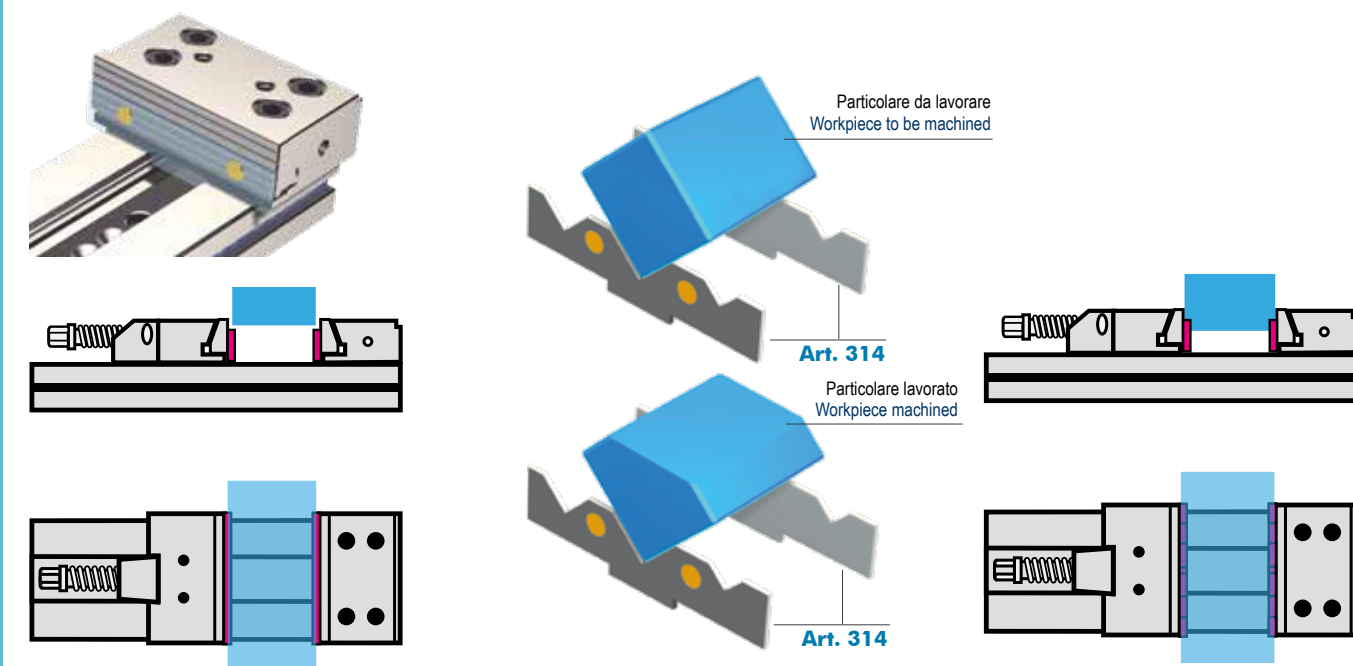
Naturalmente tutti i componenti sono in acciaio speciale per molle e rettificati con tolleranze centesimali.

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 tightened

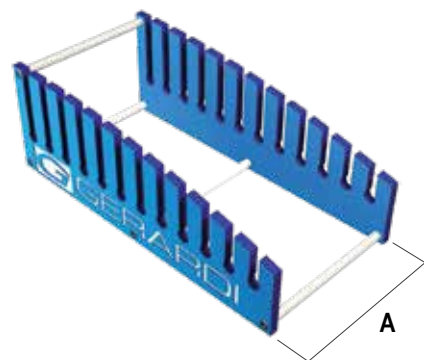
Of course each component is made of hardened and ground spring steel and the accuracy is within 0,02 mm.

ESEMPI DI APPLICAZIONE - TYPICAL ARRANGEMENTS



Art. 317

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



Per morse tipo (grandezza) da 1 a 6
For vises (type) size 1 ÷ 6

A	60	100	150
Cod.	4.31.71000	4.31.73000	4.31.75000
€		107	

Art. 313A

Magnete per parallele
Magnet for parallels



Cod.	4.31.3A100
€	10

NON MODULARI - NOT MODULAR

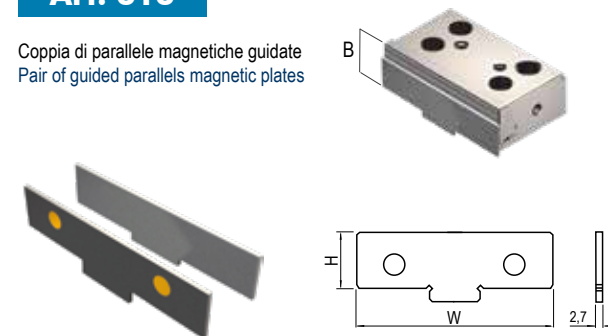
Richiedono aggiustaggio in opera - Adjustment needed before working

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

Tipo (grandezza) / Vise type (size)

Art. 313

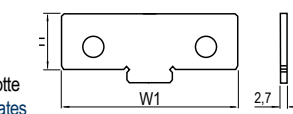
Coppia di parallele magnetiche guidate
Pair of guided parallels magnetic plates



Tipo (grandezza) / Vise type (size)	1	2	3	4	5	6
H STANDARD FOR INSERT GRIP	-	-	-	20	20	30
H STANDARD	-	-	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
	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
€	70	90	112	132	150	170

Art. 313R

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

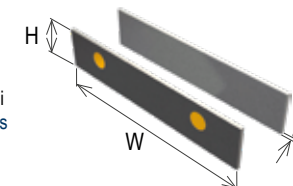


SPECIFICARE SEMPRE QUOTA "H" - ALWAYS SPECIFY "H" DIMENSION						
W1	74	94	124	144	169	194
Cod.	4.31.3R10C	4.31.3R20C	4.31.3R30C	4.31.3R40C	4.31.3R50C	4.31.3R60C
€	70	90	112	132	150	170

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

Art. 414

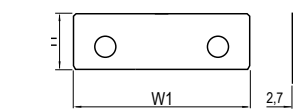
Coppia di parallele magnetiche universali
Pair of universal parallels magnetic plates



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
€	70	90	112	132	150	170

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
€	70	90	112	132	150	170

SET RISPARMIO FINO AL 47% - SAVING WITH THE SET UP TO 47%

Aggiungendo solo 1€ netto al set di parallele hai in regalo la rastrelliera Art.317X ! - Rack Art.317X supplied with the SET with 1€ only

Art. 310

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

6 COPPIE - PAIRS

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

€	276	348	420	498	552	636
€	46	58	70	83	92	106

Art. 311

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

10 COPPIE - PAIRS

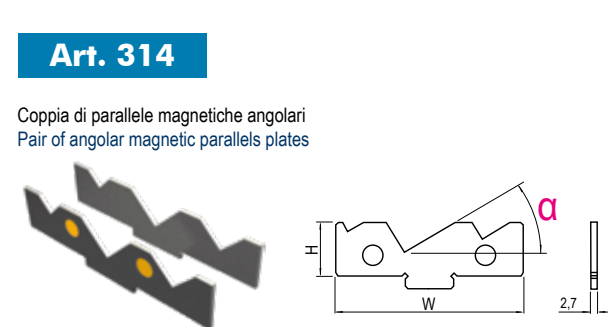
Prezzo Cad. se acquistate con set
Price each in case of set purchase

€	-	-	600	710	780	920
€	-	-	60	71	78	92

Tipo (grandezza) / Vise type (size)

Art. 314

Coppia di parallele magnetiche angolari
Pair of angular magnetic parallels plates



Tipo (grandezza) / Vise type (size)	1	2	3	4	5	6
α				20°		
				25°		
				30°		
				35°		
				40°		
				45°		
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
€	132	160	204	250	276	332

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

Aggiungendo solo 1€ netto al set di parallele hai in regalo la rastrelliera Art.317X ! - Rack Art.317X supplied with the SET with 1€ only

Art. 312

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

6 COPPIE - PAIRS

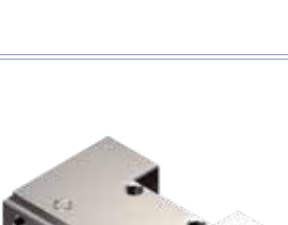
Prezzo Cad. se acquistate con set
Price each in case of set purchase

€	606	678	768	852	990	1.200
€	101	113	128	142	165	200

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
		€	91	99	110	121	137	157
Art. 134 Prolunga per ganascia mobile. Super ridotta Extension for movable jaw. Super narrow		NO StandardFLEX						
		Cod.	2.13.41000	2.13.42000	2.13.43000	2.13.44000	2.13.45000	2.13.46000
		€	91	99	110	121	137	157
Art. 133 Prolunga per ganascia fissa. Larghezza normale Extension for fixed jaw. Normal width		NO StandardFLEX						
		Cod.	2.13.31000	2.13.32000	2.13.33000	2.13.34000	2.13.35000	2.13.36000
		€	110	120	129	137	157	175
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
		€	110	120	129	137	157	175
Art. 260 Segmento oscillante per ganasce mobili. <i>Art. 190 - 191</i> Floating segment for movable jaws. <i>Art. 190 - 191</i>		NO StandardFLEX						
		Cod.	1.26.01000	1.26.02000	1.26.03000	1.26.04000	1.26.05000	1.26.06000
		€	52	61	61	78	111	121
Art. 362 Molla per piastre ganasce Spring for jaw plates		NO StandardFLEX						
		Cod.	0.70.10000	0.70.10000	0.70.30000	0.70.30000	0.70.30000	0.70.30000
		€	12	12	12	12	12	12
Art. 380 Vite TCEI fissaggio corpo ganascia fissa Hex socket and screw for fixed jaw body		NO StandardFLEX						
		Cod.	0.01.11030	0.01.10865	0.01.11450	0.01.11660	0.01.12065	0.01.12080
		€	10	10	11	11	13	13
Art. 381 Vite TCEI fissaggio piastra ganascia fissa Hex socket screw for fixed plate		NO StandardFLEX						
		Cod.	0.01.10565	0.01.11240	0.01.11451	0.01.11661	0.01.12066	0.01.12081
		€	9	9	9	9	10	10
Art. 382 Vite TCEI fissaggio piastra ganascia mobile Hex socket and screw for movable jaw plate		NO StandardFLEX						
		Cod.	0.01.10525	0.01.10830	0.01.10840	0.01.10845	0.01.11050	0.01.11065
		€	9	9	9	9	10	10
Art. 383 Vite TCEI fissaggio piastra ganascia fissa doppia Hex socket and screw for double fixed jaw		NO StandardFLEX						
		Cod.	0.01.10520	0.01.10620	0.01.10820	0.01.11820	0.01.11020	0.01.11020
		€	9	9	9	9	10	10
Art. 384 Vite TCEI per arresto laterale Hex socket and screw for workstop		NO StandardFLEX						
		Cod.	0.06.11100	0.06.22200	0.06.33300	0.06.44400	0.06.55500	0.06.66600
		€	9	9	9	10	10	10
Art. 385 Vite TCBEI fissaggio piastra ganascia piana Hex socket screw for straight-plate		NO StandardFLEX						
		Cod.	0.01.10510	0.01.10511	0.01.10512	0.01.10513	0.01.10514	0.01.10515
		€	9	9	9	9	10	10
Art. 431 Rondella per arresto laterale Washer for workstop		NO StandardFLEX						
		Cod.	2.43.11000	2.43.12000	2.43.13000	2.43.14000	2.43.15000	2.43.16000
		€	9	9	9	9	10	10
Art. 440 Dado per arresto laterale Nut for workstop		NO StandardFLEX						
		Cod.	2.44.01000	2.44.02000	2.44.03000	2.44.04000	2.44.05000	2.44.06000
		€	9	9	9	9	10	10
Art. 570 Puntale sferico Liscio Smooth spherical point		NO StandardFLEX						
		Cod.	1.57.01000		1.57.03000		1.57.05000	
		Cod.	1.57.0S100		1.57.0S300		1.57.0S500	
		€	64		72		83	
Art. 570S Puntale sferico zigrinato Serrated spherical point		NO StandardFLEX						

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
		€	100	137	162	186	264	437
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
		€	147	195	233	266	381	617
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
		€	154	228	276	317	478	736
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
		€	213	314	381	439	658	1.006
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
		€	100	137	162	186	264	437
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
		€	100	137	162	186	264	437
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
		€	100	137	162	186	264	437
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
		€	100	137	162	186	264	437
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
		€	100	137	162	186	264	437
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
		€	100	137	162	186	264	437
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
		€	221	351	431	510	735	1.066
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
		€	221	351	431	510	735	1.066

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 € 100	Cod. 1.35.21800 € 137	Cod. 1.35.31800 € 162	Cod. 1.35.41800 € 186	Cod. 1.35.51800 € 264	Cod. 1.35.61800 € 437
Art. 316 Corpo ganascia fissa. Larghezza ridotta rettificata Body fixed jaw. Narrow width ground	Cod. 1.35.12100 € 147	Cod. 1.35.22100 € 195	Cod. 1.35.32100 € 233	Cod. 1.35.42100 € 266	Cod. 1.35.52100 € 381	Cod. 1.35.62100 € 617
Art. 318 Corpo ganascia fissa doppia. Larghezza normale Double body fixed jaw. Normal width	Cod. 1.35.12700 € 154	Cod. 1.35.22700 € 228	Cod. 1.35.32700 € 276	Cod. 1.35.42700 € 317	Cod. 1.35.52700 € 478	Cod. 1.35.62700 € 736
Art. 319 Corpo ganascia fissa doppia. Larghezza ridotta rettificata Double body fixed jaw. Narrow width ground	Cod. 1.35.13000 € 213	Cod. 1.35.23000 € 314	Cod. 1.35.33000 € 381	Cod. 1.35.43000 € 439	Cod. 1.35.53000 € 658	Cod. 1.35.63000 € 1.006
Art. 321 Corpo ganascia mobile guidata. Larghezza normale Body guided movable jaw. Normal width	Cod. 1.36.11600 € 100	Cod. 1.36.21600 € 137	Cod. 1.36.31600 € 162	Cod. 1.36.41600 € 186	Cod. 1.36.51600 € 264	Cod. 1.36.61600 € 437
Art. 322 Corpo ganascia mobile guidata. Larghezza ridotta rettificata Body guided movable jaw. Narrow width ground	Cod. 1.36.12200 € 100	Cod. 1.36.22200 € 137	Cod. 1.36.32200 € 162	Cod. 1.36.42200 € 186	Cod. 1.36.52200 € 264	Cod. 1.36.62200 € 437
Art. 323 Corpo ganascia mobile oscillante. Larghezza normale Body floating movable jaw. Normal width	Cod. 1.36.11300 € 100	Cod. 1.36.21300 € 137	Cod. 1.36.31300 € 162	Cod. 1.36.41300 € 186	Cod. 1.36.51300 € 264	Cod. 1.36.61300 € 437
Art. 324 Corpo ganascia mobile oscillante. Larghezza ridotta rettificata Body floating movable jaw. Narrow width ground	Cod. 1.36.11900 € 100	Cod. 1.36.21900 € 137	Cod. 1.36.31900 € 162	Cod. 1.36.41900 € 186	Cod. 1.36.51900 € 264	Cod. 1.36.61900 € 437

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

Art. 300A Corpo ganascia fissa Fixed jaw body	Cod. 1.30.0A100 € 110	Cod. 1.30.0A200 € 155	Cod. 1.30.0A300 € 186	Cod. 1.30.0A400 € 206	Cod. 1.30.0A500 € 299	Cod. 1.30.0A600 € 504
Art. 303A Corpo ganascia fissa doppia Double fixed jaw body	Cod. 1.30.3A100 € 180	Cod. 1.30.3A200 € 274	Cod. 1.30.3A300 € 333	Cod. 1.30.3A400 € 380	Cod. 1.30.3A500 € 574	Cod. 1.30.3A600 € 893
Art. 306A Corpo ganascia mobile guidata Guided movable jaw body	Cod. 1.30.6A100 € 110	Cod. 1.30.6A200 € 155	Cod. 1.30.6A300 € 186	Cod. 1.30.6A400 € 206	Cod. 1.30.6A500 € 299	Cod. 1.30.6A600 € 504
Art. 306B Pattino per ganasce mobili guidate Sliding plate for guided movable jaw	Cod. 1.30.6B100 € 58	Cod. 1.30.6B200 € 74	Cod. 1.30.6B300 € 89	Cod. 1.30.6B400 € 93	Cod. 1.30.6B500 € 141	Cod. 1.30.6B600 € 159
Art. 306C Pattino per ganasce mobili oscillanti Sliding plate for floating movable jaw	Cod. 1.30.6C100 € 58	Cod. 1.30.6C200 € 74	Cod. 1.30.6C300 € 89	Cod. 1.30.6C400 € 93	Cod. 1.30.6C500 € 141	Cod. 1.30.6C600 € 159

Y1 = Y - 1mm

GRUPPI PREASSEMBLATI / PRE-ASSEMBLED GROUP

Tipo (grandezza) / Vise type (size)		1	2	3	4	5	6
Art. 105 Base girevole Swivel base 	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
	€	384	439	522	573	829	1.033

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
	€	359	410	486	533	776	968

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
	€	174	198	237	255	372	464

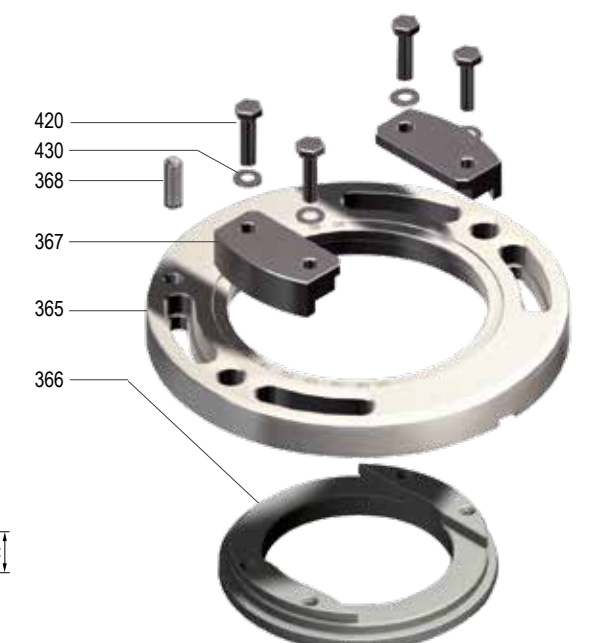
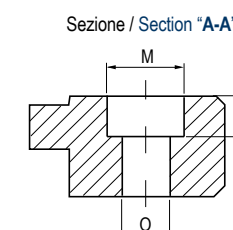
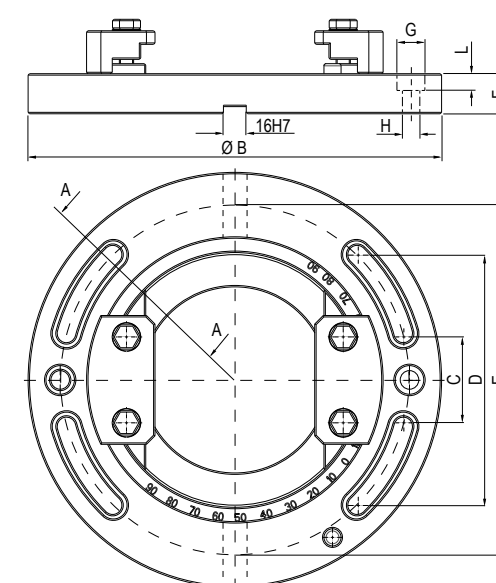
Art. 367 Staffa per base girevole Clamp swivel base 	Cod.	1.84.10000	1.84.20000	1.84.30000	1.84.40000	1.84.50000	1.84.60000
	€	51	51	62	62	71	71

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
	€	9	9	11	11	11	14

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
	€	7	7	7	8	8	8

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
	€	7	7	7	7	7	7

Art. 105 Base girevole / Swivel base
(Art. 365 + 366 + 367 + 368 + 420 + 430)



GRUPPI PREASSEMBLATI / PRE-ASSEMBLED GROUP



Art. 105
Art. 105

Base girevole
Swivel base



Art. 2
Art. 2

Morsa STD Art. 1 + Base girevole Art.105
Art. 1 STD vise + Swivel base Art.105



Art. 2
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



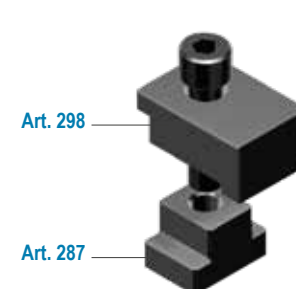
Art. 2A
Art. 2A

Morsa STD Art. 1A + Base girevole Art.105
Art. 1A STD vise + Swivel base Art.105

STAFFE DI ANCORAGGIO PER MORSE / VISE HOLDING CLAMPING

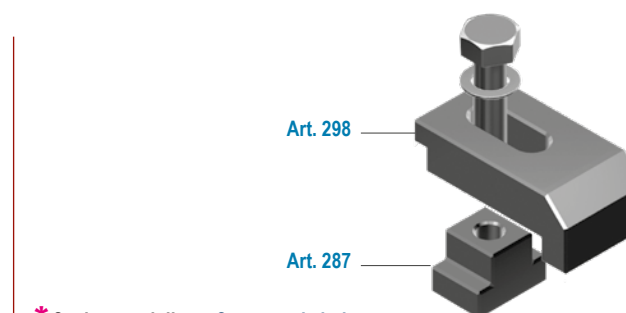
Art. 296

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)



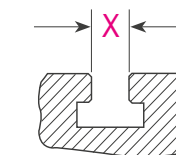
Art. 298

Art. 287



Art. 298

Art. 287



Specificare sempre la cava della vostra macchina

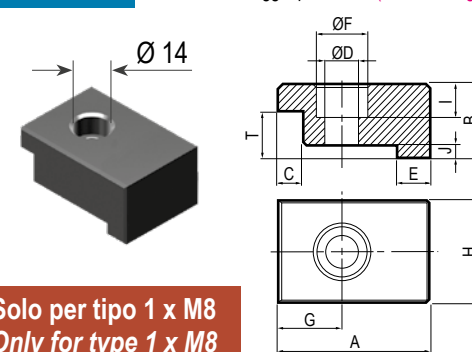
Always specify the machine T-slot dimension

*** Scelta consigliata - Suggested choice**

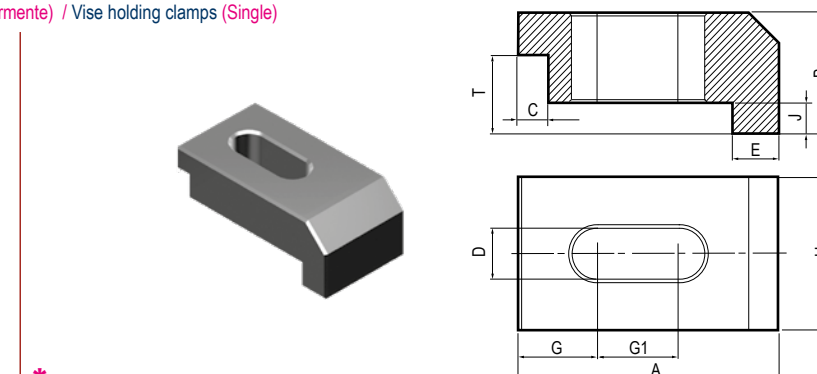
Morse / Vises	Tipo (grandezza) morsa / Vise (type) size							
STD	1	1 - 2	3 - 4	5 - 6				
FMS	1	1	2 - 3	4 - 5 - 6				
MULTIFLEX	1	1	2 - 3	-				
MULTITASKING	-	3	-	-				
COMPACT GRIP	-	1 - 2 - 3	-	-				
GRIPMATIC	-	2 - 3 - 4	-	-				
Staffe / Holding Clamps	M8	M10	M12 *	M16	M12 *	M16	M12	M16 *
Cod.	2.29.61000 / 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
€	43	43	43	54	54	85	85	

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



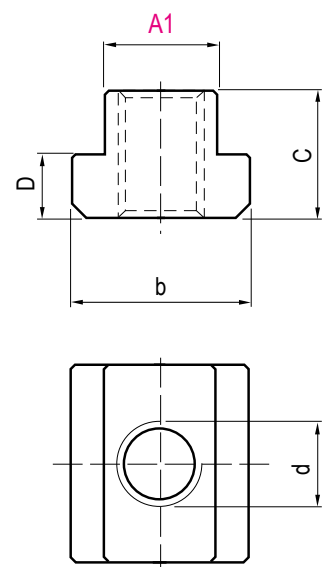
*** Scelta consigliata - Suggested choice**

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	76	76	86	86	
B	24	24	24	30	30	40	40	
C	6	6	6	6	6	10	10	
Ø D	8,5	11	13	13	17	13	17	
E	10	10	10	13	13	15	15	
Ø F	14	-	-	-	-	-	-	
G / G1	17	16 / 15	17,5 / 13	17 / 22	16 / 15	26 / 27	26 / 27	
H	34	34	34	42	42	50	50	
I	8	10	10	-	-	-	-	
J	4	4	4	10	10	10	10	
T ± 0,1	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
€	16	16	16	21	21	33	33	

Art. 287

Dadi per cave a T
Nuts for T slots

DIN 508

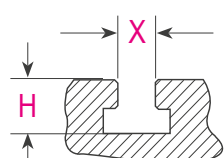


In fase d'ordine,
completare il codice
specificando il
numero **N** di dado a T

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

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

DIN 650



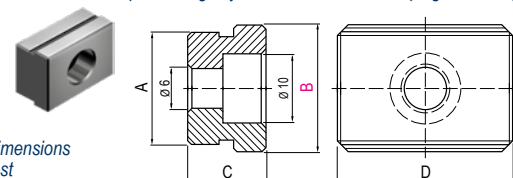
Specificare sempre la cava
della vostra macchina
Always specify
the machine T-slot dimension

Tipo (grandezza) morsa / Vise type (size)

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									
€	33									

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

~~Sceita 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
€	15	23	44

ATTREZZI e DOTAZIONI / TOOLS and EQUIPMENT

Tipo (grandezza) morsa / Vise type (size)

Art. 291

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



Art. 325

Chiave esagonale a bussola
Hexagon bushing



Tipo (grandezza) morsa / Vise type (size)

Art. 370

Arresto laterale completo
Complete workshop



Art. 666I

Arresto laterale morse OK
Workshop for OK vises



Art. 370EM

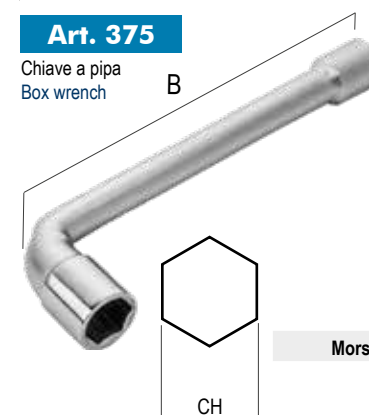
Arresto laterale magnetico
Magnetic workshop



Tipo (grandezza) morsa / Vise type (size)

Art. 375

Chiave a pipa
Box wrench



Art. 376

Chiave a T
T wrench



Art. 377

Chiave esagonale serie lunga
Hexagon wrench long reach



Tipo (grandezza) morsa / Vise type (size)

Art. 357

Chiave dinamometrica digitale a
cricchetto con attacco 1/2"
Torque wrench digital ratchet type with
hexagon with 1/2" driver square



	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
€	7	7	7	7	7	7

Tipo (grandezza) morsa / Vise type (size)

	0	1	2	3	4	5	6
Vite / Screw	M	10	12	16			
Staffa / Bracket	mm	90x30x15	120x30x15	160x40x25			
Cod.	-	2.37.01000	2.37.03000	2.37.05000			
€	-	24	29	44			

	6	8	10		
	42x14x8	60x18x12	90x30x15		
-	7.37.01000	7.37.02000	2.37.01000	-	-
-	-	-	24	-	-

	10	10			
	60x20x12	90x30x15			
-	6.37.01000	2.37.01000	-	-	-
-	-	24		-	-

5	6	6	6	8	8	-
40x16x12	55x16x12	70x20x14	70x20x14	-	90x20x18	-
7.66.61000	7.66.61100	7.66.61200	7.66.61300	7.66.61400	7.66.61500	-
-	-	-	-	-	-	-

	5	6			
	30x14x8	45x20x10			
-	7.37.01000/EM	7.37.02000/EM	-	-	-
-	65	72	-	-	-

Tipo (grandezza) morsa / Vise type (size)

	12	160	19	250	22	300	22	300	30	450	30	450
Morse Standard / Standard Vises	12	160	19	250	22	300	22	300	30	450	30	450
Cod.	4.37.512160	4.37.519250	4.37.522300	4.37.522300	4.37.522300	4.37.522300	4.37.522300	4.37.522300	4.37.522300	4.37.522300	4.37.522300	4.37.522300
€	30	30	34	34	60	60						

	16	250	16	250	19	250	19	250	27	250	27	250
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	4.37.519250	4.37.519250	4.37.519250	4.37.519250	4.37.519250	4.37.519250
€	30	30	30	30	30	30						

	12	160	16	250	16	250	-	-	-	-	-	-
Morse Multitasking / Multitasking Vises	12	160	16	250	16	250	-	-	-	-	-	-
Cod.	4.37.512160	4.37.516250	4.37.516250	4.37.516250	4.37.516250	4.37.516250	-	-	-	-	-	-
€	30	30	30	30	30	30						

	10	160	12	160	16	250	17	280	-	-	-	-
Morse CompactGrip - MaxiGrip / CompactGrip - MaxiGrip Vises	10	160	12	160	16	250	17	280	-	-	-	-
Cod.	4.37.510160	4.37.512160	4.37.516250	4.37.516250	4.37.516250	4.37.516250	4.37.517280	4.37.517280	-	-	-	-
€	30	30	34	30	34	30	-	-				

	CH	4	5	6	10
CH	CH	4	5	6	10
Cod.	0.09.21400	0.09.22500	0.09.23600	0.09.25100	0.09.25100
€		16	17	20	

	CH	2	2,5	3	3,5	4	4,5
CH	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	0.09.37745
€	9	9	9	9	9	9	9

	CH	5	6	7	8	9	10
CH	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	0.09.37710
€	10	10	10	11	11	12	

	CH	12	13	14	17	19	-
CH	CH	12	13	14	17	19	-
Cod.	0.09.37712	0.09.37713	0.09.37714	0.09.37717	0.09.37719	0.09.37719	-
€	13	17	19	24	35		

Tipo (grandezza) morsa / Vise type (size)

Art. 357

Chiave dinamometrica digitale a
cricchetto con attacco 1/2"
Torque wrench digital ratchet type with
hexagon with 1/2" driver square



	1	2	3
Nm	10÷135	20÷200	34÷340
Cod.	2.35.71000	2.35.72000	2.35.73000
€	199	231	308

DISPOSITIVI MECCANICI / MECHANICAL BLOCKING DEVICES

Tipo (grandezza) morsa / Vise type (size)

Art. 258

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



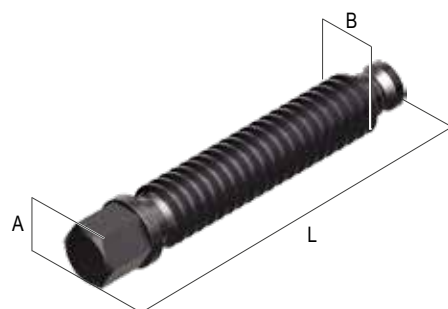
kg	0,4	1	1,9	2,9	5,3	7,8
Cod.	2.25.81000	2.25.82000	2.25.83000	2.25.84000	2.25.85000	2.25.86000
€	155	182	221	249	309	462

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

RICAMBI / SPARE PARTS

Art. 360

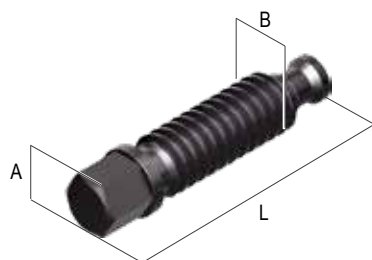
Vite di spinta. Normale
Clamping bolt. Normal



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
€	47	64	76	107

Art. 355

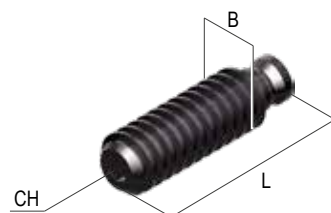
Vite di spinta. Ridotta
Clamping bolt. Short



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
€	47	64	76	107

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
€	47	64	76	107

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
€	124	129	155	182	208	361

Art. 410

Grano
Setscrew



Cod.	0.06.20810	0.06.21012	0.06.21216	0.06.21620	0.06.21630	0.06.31360
	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
€	9	9	11	11	12	12

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"
€	11	12	13	13	17	17

SERVOCOMANDI OLEODINAMICI / HYDRAULIC SERVO UNITS

Tipo (grandezza) morsa / Vise type (size)

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
€	-	726	775	947	990

Art. 284A

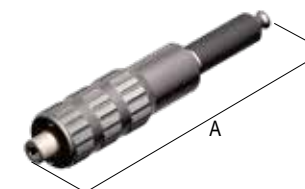
Supporto di serraggio per mandrino a vite idraulica
Clamping support for hydraulic spindle



Cod.	-	2.28.4A300	2.28.4A400	2.28.4A500	2.28.4A600
€	-	228	276	407	449

Art. 286

Mandrino a vite idraulica
Hydraulic spindle



Kn	-	12	20
A	-	420	359
Cod.	-	4.28.63000	4.28.65000
€	-	501	544

Art. 295

Gruppo di serraggio a vite idraulica compatto
Compact hydraulic hand screw clamping device



Cod.	-	4.29.53000	4.29.54000	-	-
€	-	569	616	855	-

Art. 294A

Supporto di serraggio per mandrino compatto a vite idraulica
Clamping support for compact hydraulic spindle



Cod.	-	4.29.4A300	4.29.4A400	-	-
€	-	228	275	330	-

Art. 293

Mandrino compatto a vite idraulica
Compact hydraulic spindle



Kn	-	10	-
A	-	173	-
Cod.	-	4.29.33000	-
€	-	343	560

Art. 290

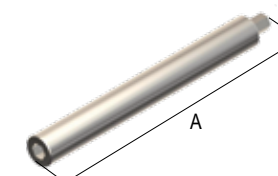
Manovella per mandrino a vite idraulica
Crank hydraulic spindle



Cod.	-	4.29.03000M12
€	-	61

Art. 292

Prolunga per Art. 290
Extension for Art. 290



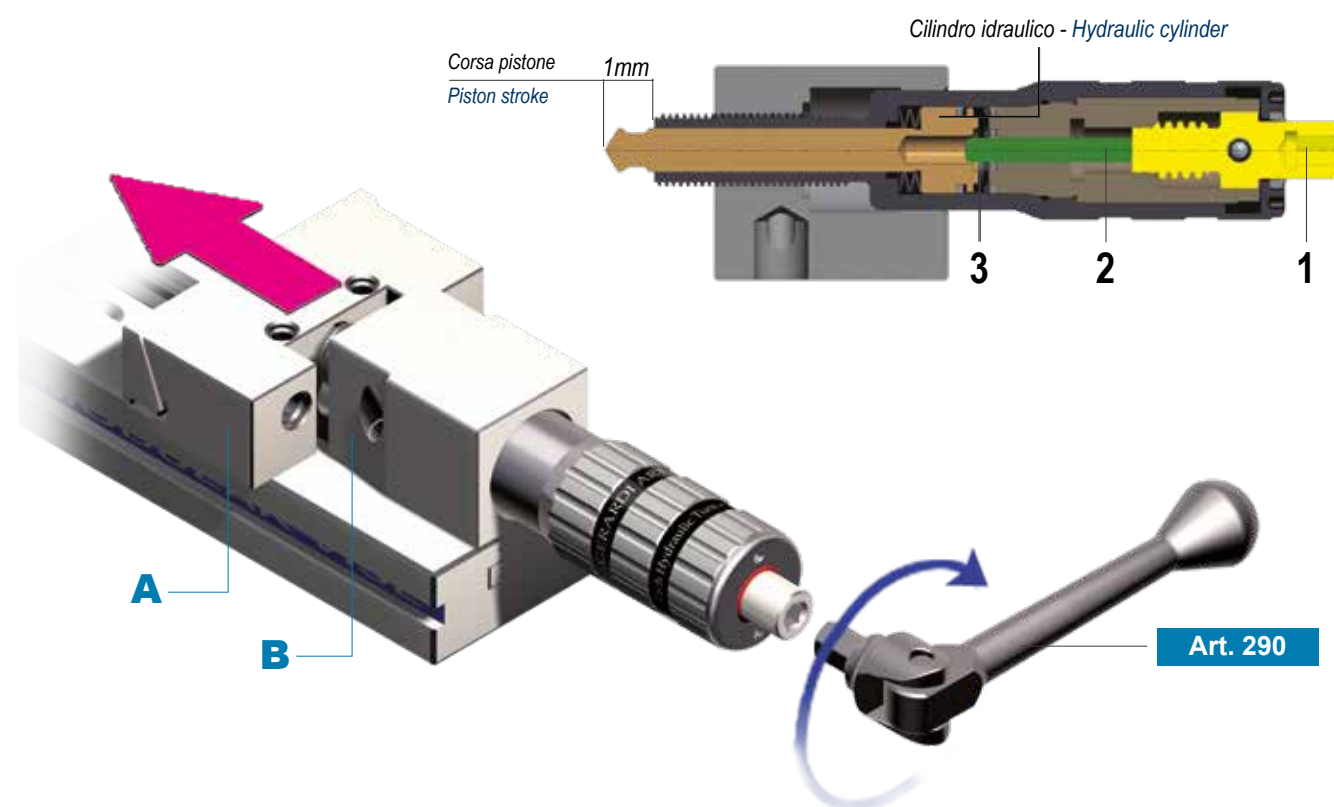
A	160 / 260
Cod.	-
€	-

METODI ALTERNATIVI DI SERRAGGIO ALTERNATIVE CLAMPING OPTION

Il gruppo di serraggio a vite idraulica, è un moltiplicatore di forza manuale alternativo 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. 290**.

Verificare che il vano tra ganasce 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. 290**, muovendo la ganasce 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 spinge 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. 290) potrebbe danneggiare in modo irreparabile il moltiplicatore.

ATTENTION !

When the spindle reach the end of his stroke, a further pressure on the wrench (Art. 290) can seriously damage the pressure multiplier

The hand hydraulic clamping group is 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.290**. 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 clockwise the spindle using the wrench **Art. 290** 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 slip 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

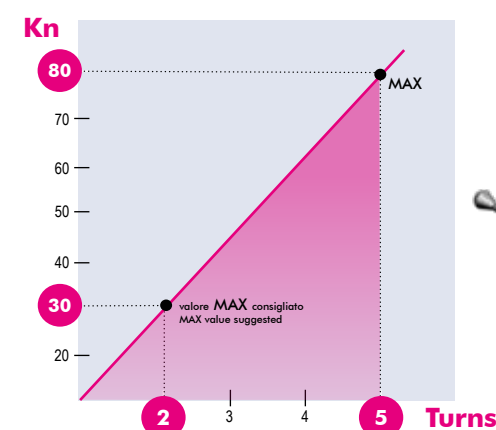
Diagrammi di serraggio meccanico con vite idraulica

Mechanical clamping diagrams with hydraulic hand screw

Morse tipo
Vises type

3-4

Autonomo - Self Contained

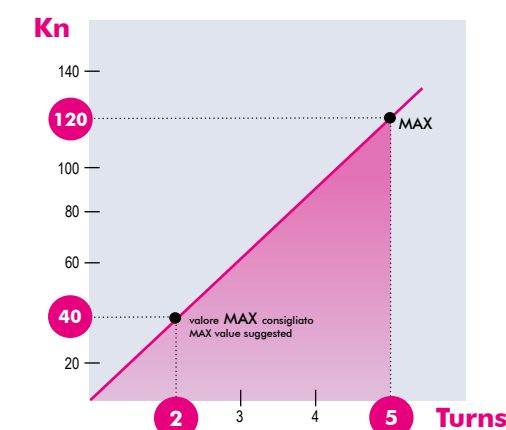


Art. 257

Morse tipo
Vises type

5-6

Autonomo - Self Contained



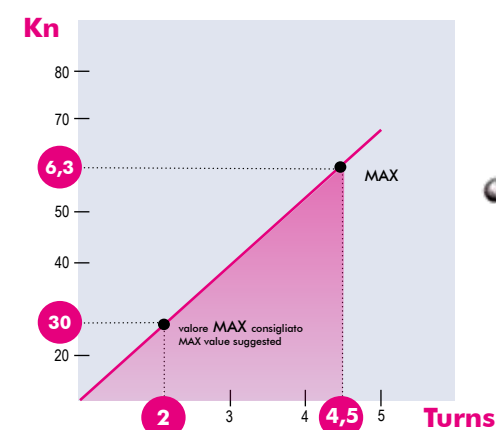
Gruppi di serraggio meccanici (Art.257 - Art.295) / Mechanical clamping devices (Art.257 - Art.295)

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
Vises type

3-4

Compatto - Compact



Art. 295

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

MORSE StandardMatic

Tipo (grandezza) morsa / Vise type (size)	kN	1	2	3		4			
		16 kN	25 kN	30 kN		30 kN			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
Art. 1E Morsa modulare STD con cilindro idraulico a SINGOLO effetto Art.271 STD precision modular vise with SINGLE effect hydraulic cylinder	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
	€	906	984	1.070	1.201	1.437	1.503	1.635	1.900

Art. 393 MAX 450bar Centralina a comando manuale singolo effetto Single effect power unit with manual control	Cod.	4.39.34500
€		1.240

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
€	1.240

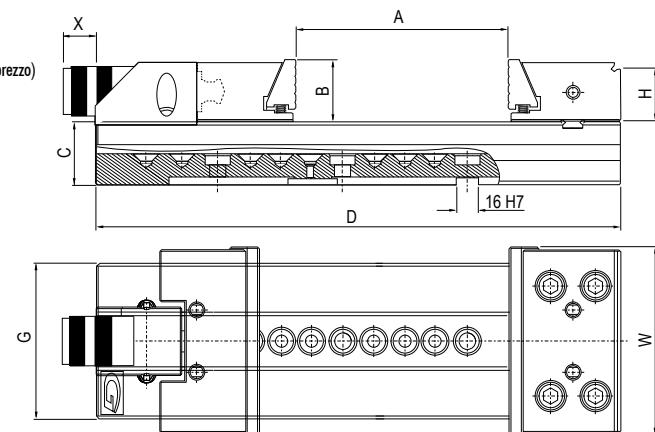
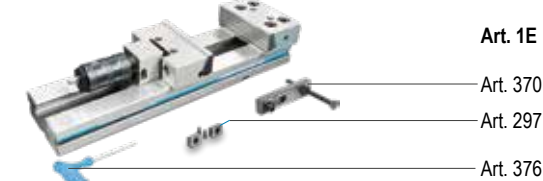
Art. 395 MAX 450bar Centralina a comando elettrico singolo effetto Single effect power unit with electrical control	Cod.	4.39.54500
€		1.384

Art. 407 Gruppo di serraggio indipendente Independent clamping group	Le corse del pistone sono disponibili a pagina 4.54
Cod.	4.40.71000 4.40.72000 4.40.73000 4.40.74000
€	760 769 780 815

Art. 407A Gruppo di serraggio indipendente Independent clamping group	Le corse del pistone sono disponibili a pagina 4.54
Cod.	4.40.7A100 4.40.7A200 4.40.7A300 4.40.7A400
€	951 963 975 1.009

Art. 407B Gruppo di serraggio indipendente Independent clamping group	Cod.	4.40.7B100 4.40.7B200 4.40.7B300 4.40.7B400
€		876 886 897 933

- 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): € 99,00 - Extra per ogni chiave (tolleranza H7): € 220,00



- 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): € 99,00 - Extra charge for each calibrated key nut (F7 tolerance): € 220,00

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					6						
	40 kN					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
€	1.832	2.098	2.364	2.763	3.161	2.540	3.071	3.603	4.002	4.399	4.797	5.195

Art. 393	4.39.34500	1.240	MANUAL CONTROL
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Suggest the ART.402 (see pag.4.52) to use power unit	4.39.44500	1.240	AIR CONTROL
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Art. 395	4.39.54500	1.384	CNC CONTROL
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Piston strokes are available at page 4.54	4.40.75000	1.005	MANUAL CONTROL
---	------------	-------	----------------

Piston strokes are available at page 4.54	4.40.7A500	1.196	CNC CONTROL
---	------------	-------	-------------

Pneumo-hydraulic servo units (complete of hydraulic cylinder + support) for multiple clamping simultaneous or independent , from 2 to 6 vises. See from page 4.38 to 4.49	4.40.7B500	1.120	CNC CONTROL
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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

MORSE StandardMatic

Tipo (grandezza) morsa / Vise type (size)		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
Art. 1F Morsa modulare STD con cilindro idraulico a DOPPIO effetto Art.271D	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
	€	993	1.282	1.382	1.514	1.749	1.814	1.946	2.211

Art. 393D MAX 450bar

Centralina a comando
manuale **doppio effetto**
Double effect power unit
with manual control



Cod. 4.39.3D450
€ 1.465

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
€ 1.465

Art. 395D MAX 450bar

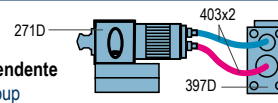
Centralina a comando
elettrico **doppio**
Power unit with **double**
electrical control



Cod. 4.39.5D450
€ 1.610

Art. 407C

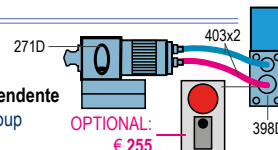
Gruppo di serraggio **indipendente**
Independent clamping group



MANUAL CONTROL

Art. 407D

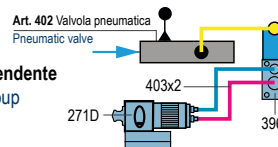
Gruppo di serraggio **indipendente**
Independent clamping group



CNC CONTROL

Art. 407E

Gruppo di serraggio **indipendente**
Independent clamping group

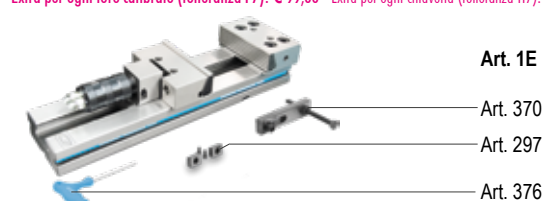


AIR CONTROL

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): € 99,00 - Extra per ogni chavetta (tolleranza H7): € 220,00



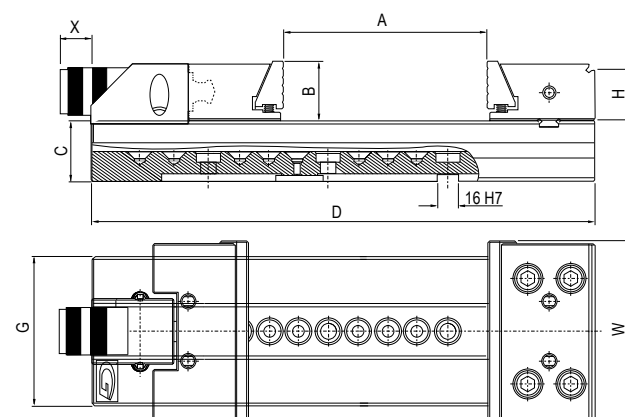
Standard equipment:

- 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): € 99,00 - Extra charge for each calibrated key nut (F7 tolerance): € 220,00



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)

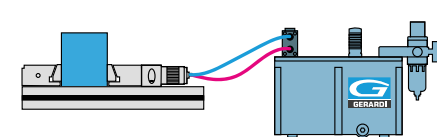


StandardMatic VISES

	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
€	2.091	2.357	2.622	3.021	3.419	2.787	3.318	3.851	4.249	4.647	5.044	5.443

Art. 393

Cod. 4.39.3D450
€ 1.465



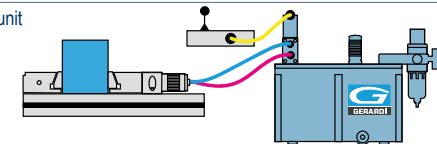
Cod. 4.39.3D450
€ 1.465

MANUAL CONTROL

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

Art. 394

Cod. 4.39.4D450
€ 1.465

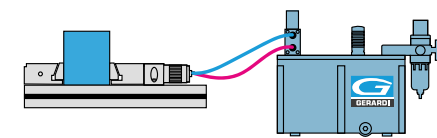


Cod. 4.39.4D450
€ 1.465

AIR CONTROL

Art. 395

Cod. 4.39.5D450
€ 1.610



Cod. 4.39.5D450
€ 1.610

CNC CONTROL

Piston strokes are available at page 4.54

Art. 407C

Cod. 4.40.7C500
€ 1.547



Cod. 4.40.7C600
€ 1.670

MANUAL CONTROL

Piston strokes are available at page 4.54

Art. 407D

Cod. 4.40.7D500
€ 1.732



Cod. 4.40.7D600
€ 1.856

CNC CONTROL

Art. 407E

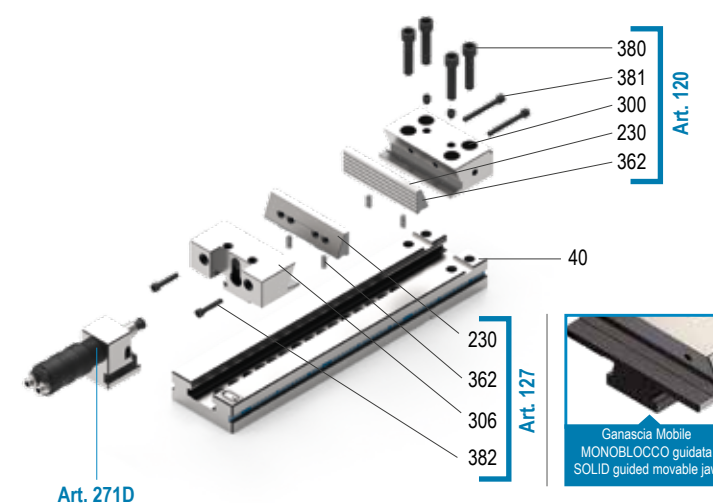
Cod. 4.40.7E500
€ 1.409



Cod. 4.40.7E600
€ 1.507

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

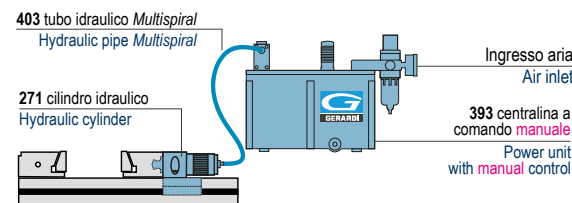
Art. 1F



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

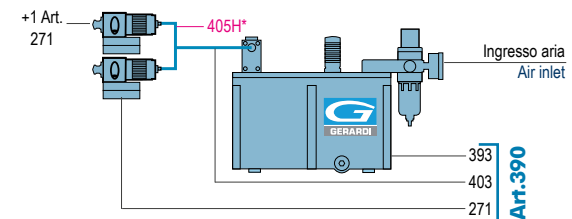
MORSA NON COMPRESA
WISE NOT INCLUDED
Art. 393 + Art. 271 + Art. 403 (m 1,5)


Cod. 4.39.01000 4.39.02000 4.39.03000 4.39.04000 4.39.05000 4.39.06000

€ 1.714 1.726 1.735 1.768 1.954 2.060

Art. 390/2

 N° 2 serraggi contemporanei
 N° 2 simultaneously clamping

Art. 390 + n° 1 Art. 271


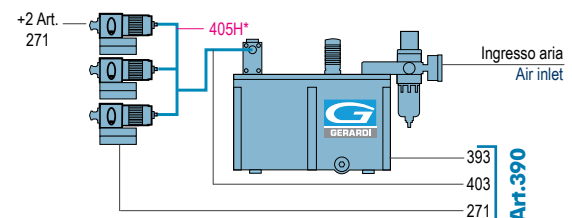
Cod. 4.39.01002 4.39.02002 4.39.03002 4.39.04002 4.39.05002 4.39.06002

€ 2.074 2.096 2.114 2.182 2.551 2.767

* 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


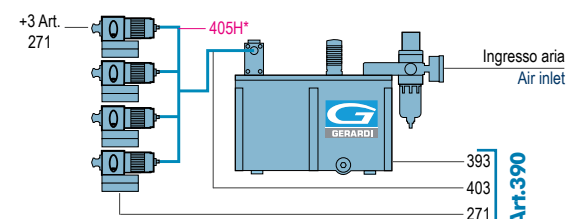
Cod. 4.39.01003 4.39.02003 4.39.03003 4.39.04003 4.39.05003 4.39.06003

€ 2.433 2.463 2.499 2.596 3.149 3.478

* 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


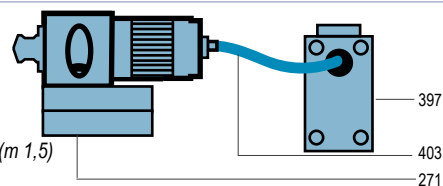
Cod. 4.39.01004 4.39.02004 4.39.03004 4.39.04004 4.39.05004 4.39.06004

€ 2.791 2.834 2.879 3.008 3.748 4.185

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

Art. 407

 Gruppo di serraggio indipendente
 Independent clamping group

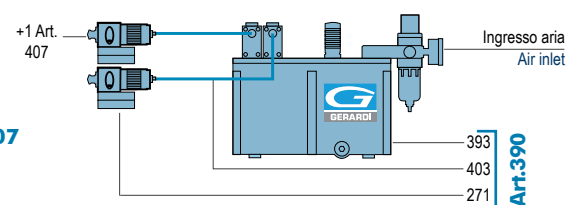
Art. 271 + Art. 397 + Art. 403 (m 1,5)


Cod. 4.40.71000 4.40.72000 4.40.73000 4.40.74000 4.40.75000 4.40.76000

€ 760 769 780 815 1.005 1.116

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

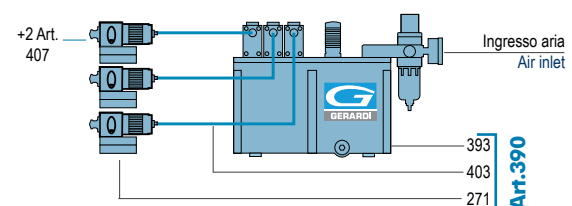
Art. 390 + n° 1 Art. 407


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

€ 2.455 2.478 2.500 2.564 2.934 3.151

Art. 390A / 3

 N° 3 serraggi indipendenti
 N° 3 independent clamping

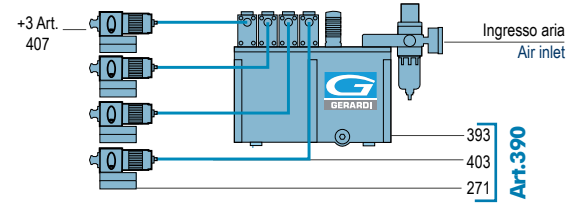
Art. 390 + n° 2 Art. 407


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

€ 3.195 3.230 3.262 3.359 3.915 4.239

Art. 390A / 4

 N° 4 serraggi indipendenti
 N° 4 independent clamping

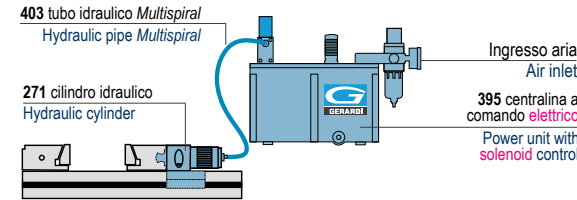
Art. 390 + n° 3 Art. 407


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

€ 3.937 3.982 4.025 4.154 4.895 5.330

COMANDO ELETTRICO - SOLENOID CONTROL
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

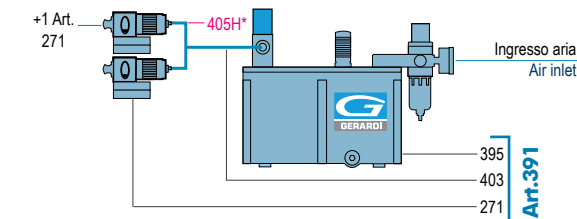
MORSA NON COMPRESA
WISE NOT INCLUDED
Art. 395 + Art. 271 + Art. 403 (m 1,5)


Cod. 4.39.11000 4.39.12000 4.39.13000 4.39.14000 4.39.15000 4.39.16000

€ 1.856 1.870 1.878 1.911 2.097 2.205

Art. 391 / 2

 N° 2 serraggi contemporanei
 N° 2 simultaneously clamping

Art. 391 + n° 1 Art. 271


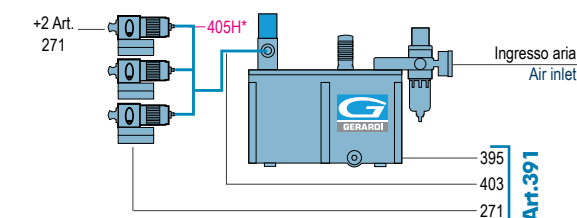
Cod. 4.39.11002 4.39.12002 4.39.13002 4.39.14002 4.39.15002 4.39.16002

€ 2.218 2.238 2.260 2.326 2.695 2.913

* 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


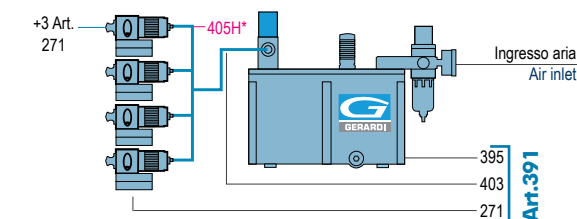
Cod. 4.39.11003 4.39.12003 4.39.13003 4.39.14003 4.39.15003 4.39.16003

€ 2.575 2.609 2.640 2.739 3.293 3.620

* 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


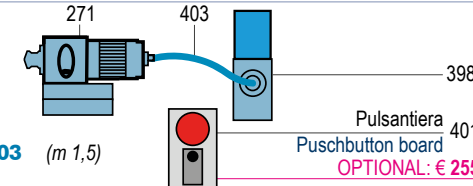
Cod. 4.39.11004 4.39.12004 4.39.13004 4.39.14004 4.39.15004 4.39.16004

€ 3.451 2.978 3.022 3.152 3.462 4.327

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

Art. 407A

 Gruppo di serraggio indipendente
 Independent clamping group

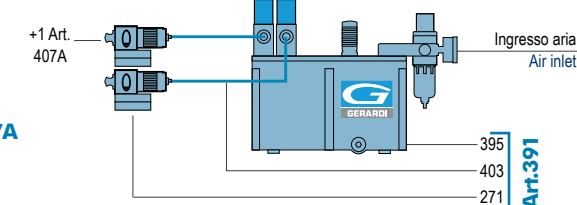
Art. 271 + Art. 398 + Art. 403 (m 1,5)


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

€ 951 963 975 1.009 1.196 1.307

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

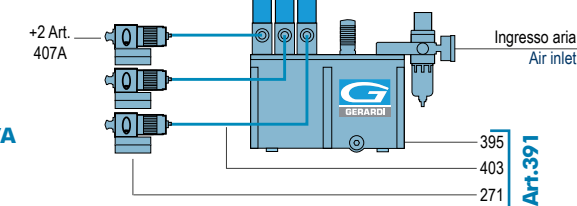
Art. 391 + n° 1 Art. 407A


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

€ 2.788 2.808 2.831 2.897 3.265 3.485

Art. 391A / 3

 N° 3 serraggi indipendenti
 N° 3 independent clamping

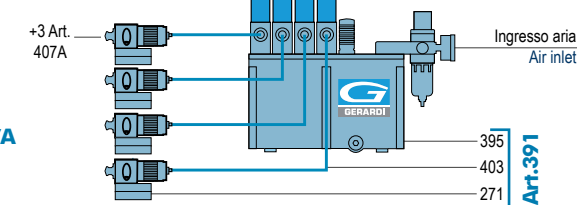
Art. 391 + n° 2 Art. 407A


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

€ 3.718 3.751 3.783 3.883 4.436 4.763

Art. 391A / 4

 N° 4 serraggi indipendenti
 N° 4 independent clamping

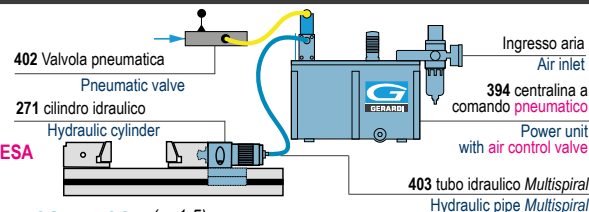
Art. 391 + n° 3 Art. 407A


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

€ 4.649 4.692 4.736 4.867 5.605 6.040

COMANDO PNEUMATICO - PNEUMATIC CONTROL
SINGOLO EFFETTO
SINGLE EFFECT
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)


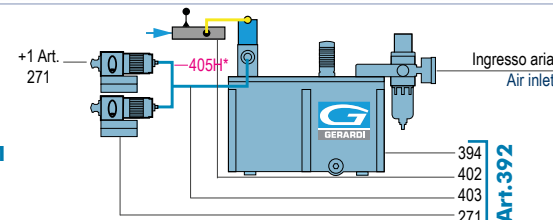
Cod. 4.39.21000 4.39.22000 4.39.23000 4.39.24000 4.39.25000 4.39.26000

€ 1.805 1.817 1.829 1.861 2.047 2.155

* 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


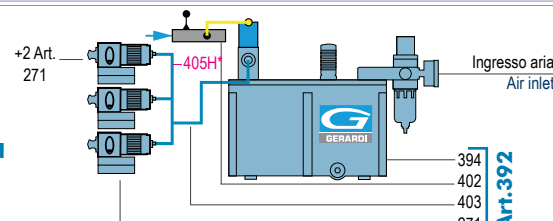
Cod. 4.39.21002 4.39.22002 4.39.23002 4.39.24002 4.39.25002 4.39.26002

€ 2.167 2.189 2.210 2.276 2.645 2.861

* 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


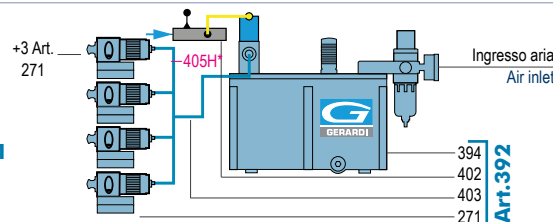
Cod. 4.39.21003 4.39.22003 4.39.23003 4.39.24003 4.39.25003 4.39.26003

€ 2.526 2.558 2.589 2.688 3.243 3.570

* 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


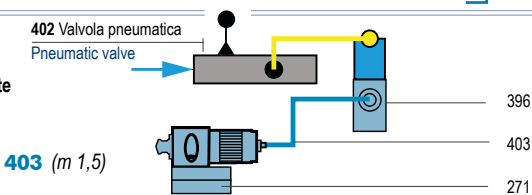
Cod. 4.39.21004 4.39.22004 4.39.23004 4.39.24004 4.39.25004 4.39.26004

€ 2.884 2.929 2.969 3.103 3.843 4.276

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

Art. 407B

 Gruppo di serraggio indipendente
 Independent clamping group

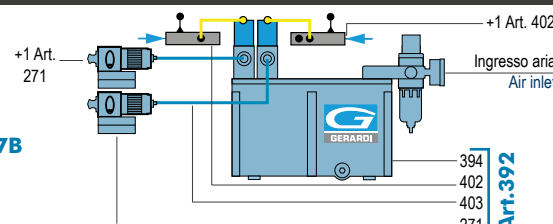
Art. 271 + 396 + 402 + 403 (m 1,5)


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

€ 876 886 897 933 1.120 1.230

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

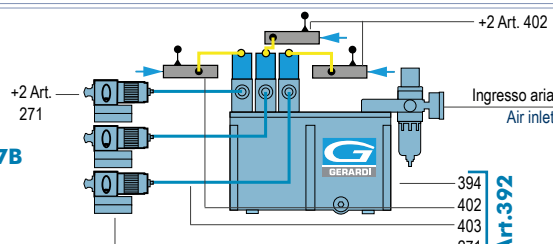
Art. 392 + n° 1 Art. 407B


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

€ 2.947 2.974 2.993 3.069 3.534 3.751

Art. 392A / 3

 N° 3 serraggi indipendenti
 N° 3 independent clamping

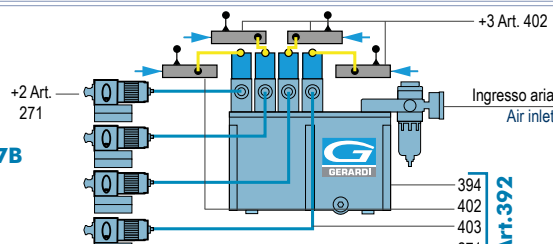
Art. 392 + n° 2 Art. 407B


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

€ 3.429 3.461 3.491 3.587 4.123 4.440

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

€ 4.239 4.284 4.325 4.450 5.164 5.582

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

€ 1.240

Art. 397

Blocco modulare per comando manuale aggiuntivo per ogni morsa extra

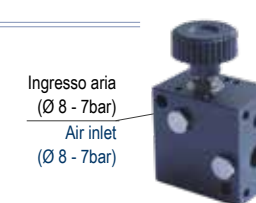
Modular block for manual control for each extra vise



Cod. 4.39.70000

€ 223

Art. 397B

 Blocco base per comando manuale
 Base block for manual control


Cod. 4.39.7B000

€ 218

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

€ 1.240

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

€ 246

Art. 396B

 Blocco base per comando pneumatico
 Base block for pneumatic control


Cod. 4.39.6B000

€ 238

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

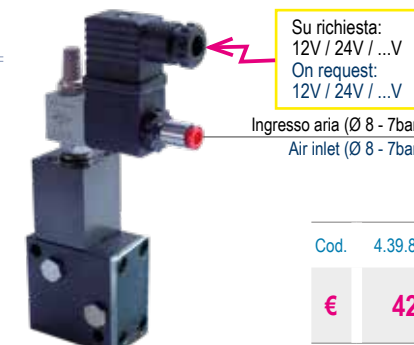

Cod. 4.39.54500

€ 1.384

Art. 398

Blocco modulare per comando elettrico aggiuntivo per ogni morsa extra

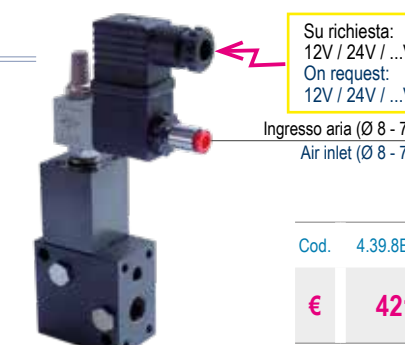
Modular block for electric control for each extra vise


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

Cod. 4.39.80000

€ 427

Art. 398B

 Blocco base per comando elettrico
 Base block for electric control


Cod. 4.39.8B000

€ 421

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



Ingresso aria
Air inlet

393D centralina a comando manuale
Power unit with manual control

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

€ 1.966 2.303 2.364 2.424 2.486 2.607

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

Art. 390B/2

N° 2 serraggi contemporanei
N° 2 simultaneously clamping

Art. 390B + n° 1 Art.271D

+1 Art. 271D

405H*

Ingresso aria
Air inlet

393D

403

271D

Art.390B

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

€ 2.495 3.030 3.152 3.273 3.394 3.636

* 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

+2 Art. 271D

405H*

Ingresso aria
Air inlet

393D

403

271D

Art.390B

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

€ 2.852 3.758 3.939 4.121 4.303 4.666

* 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

+3 Art. 271D

405H*

Ingresso aria
Air inlet

393D

403

271D

Art.390B

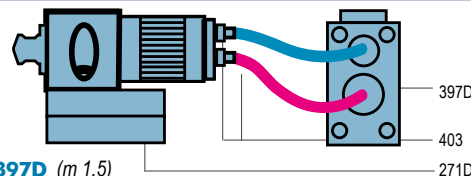
Cod. 4.39.0B104 4.39.0B204 4.39.0B304 4.39.0B404 4.39.0B504 4.39.0B604

€ 3.327 4.364 4.606 4.848 5.091 5.575

* 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

€ 1.050 1.361 1.423 1.484 1.547 1.670

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

+1 Art. 407C

Ingresso aria
Air inlet

393D

403

271D

Art.390B

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

€ 2.992 3.636 3.758 3.879 4.000 4.242

Art. 390C / 3

N° 3 serraggi indipendenti
N° 3 independent clamping

Art. 390B + n° 2 Art. 407C

+2 Art. 407C

Ingresso aria
Air inlet

393D

403

271D

Art.390B

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

€ 4.019 5.030 5.211 5.393 5.575 5.938

Art. 390C / 4

N° 4 serraggi indipendenti
N° 4 independent clamping

Art. 390B + n° 3 Art. 407C

+3 Art. 407C

Ingresso aria
Air inlet

393D

403

271D

Art.390B

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

€ 5.045 6.302 6.544 6.787 7.029 7.514

COMANDO ELETTRICO - SOLENOID CONTROL

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

403 tubo idraulico Multispiral
Hydraulic pipe Multispiral

271D
cilindro idraulico doppio effetto
double effect hydraulic cylinder



Ingresso aria
Air inlet

395D centralina a comando elettrico
Power unit with solenoid control

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

€ 2.108 2.424 2.486 2.546 2.607 2.727

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

Art. 391B / 2

N° 2 serraggi contemporanei
N° 2 simultaneously clamping

Art. 391B + n° 1 Art.271D

+1 Art. 271D

405H*

Ingresso aria
Air inlet

395D

403

271D

Art.391B

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

€ 2.492 3.152 3.273 3.394 3.515 3.758

* 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

+2 Art. 271D

405H*

Ingresso aria
Air inlet

395D

403

271D

Art.391B

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

€ 2.873 3.879 4.060 4.242 4.424 4.787

* 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

+3 Art. 271D

405H*

Ingresso aria
Air inlet

395D

403

271D

Art.391B

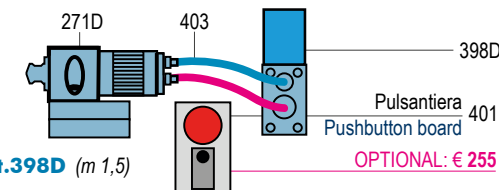
Cod. 4.39.1B104 4.39.1B204 4.39.1B304 4.39.1B404 4.39.1B504 4.39.1B604

€ 3.772 4.485 4.727 4.970 5.211 5.696

* 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

€ 1.244 1.547 1.609 1.670 1.732 1.856

OPTIONAL: € 255

Possibilità di automatizzare tutte le morse 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

+1 Art. 407D

Ingresso aria
Air inlet

395D

403

271D

Art.391B

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

€ 3.326 4.000 4.121 4.242 4.364 4.606

Art. 391C / 3

N° 3 serraggi indipendenti
N° 3 independent clamping

Art. 391B + n° 2 Art. 407D

+2 Art. 407D

Ingresso aria
Air inlet

395D

403

271D

Art.391B

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

€ 4.541 5.575 5.757 5.938 6.121 6.484

Art. 391C / 4

N° 4 serraggi indipendenti
N° 4 independent clamping

Art. 391B + n° 3 Art. 407D

+3 Art. 407D

Ingresso aria
Air inlet

395D

403

271D

Art.391B

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

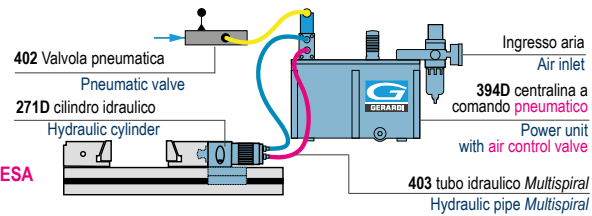
€ 5.756 7.029 7.271 7.514 7.756 8.241

COMANDO PNEUMATICO - PNEUMATIC CONTROL
DOPPIO EFFETTO
DOUBLE EFFECT

Tipo (grandezza) morsa / Vise type (size)

1	2	3	4	5	6
---	---	---	---	---	---

Art. 392B

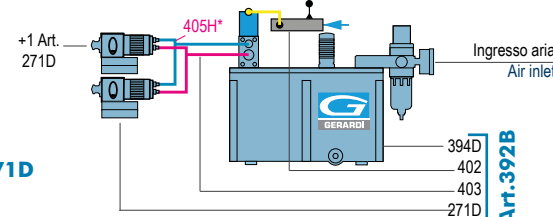
 N° 1 serraggio
 N° 1 clamping

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

€	2.058	2.139	2.198	2.258	2.298	2.395
---	-------	-------	-------	-------	-------	-------

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

Art. 392B / 2

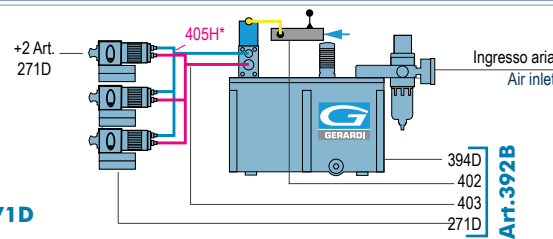
 N° 2 serraggi contemporanei
 N° 2 simultaneously clamping


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

€	2.495	2.614	2.673	2.733	2.918	3.111
---	-------	-------	-------	-------	-------	-------

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

Art. 392B / 3

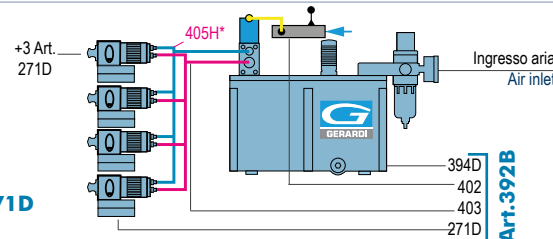
 N° 3 serraggi contemporanei
 N° 3 simultaneously clamping


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

€	2.852	2.970	3.030	3.089	3.537	3.831
---	-------	-------	-------	-------	-------	-------

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

Art. 392B / 4

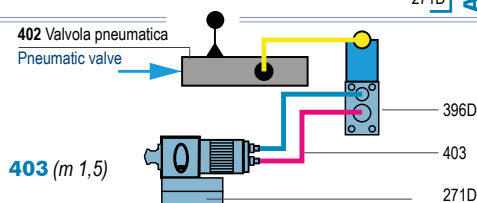
 N° 4 serraggi contemporanei
 N° 4 simultaneously clamping


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

€	3.208	3.446	3.505	3.564	4.158	4.547
---	-------	-------	-------	-------	-------	-------

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

Art. 407E

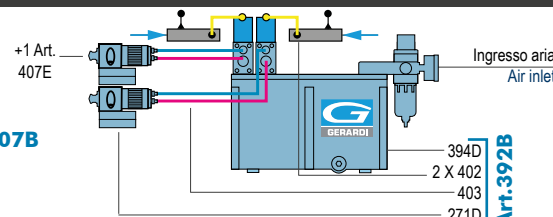
 Gruppo di serraggio indipendente
 Independent clamping group


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

€	1.167	1.198	1.210	1.245	1.409	1.507
---	-------	-------	-------	-------	-------	-------

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

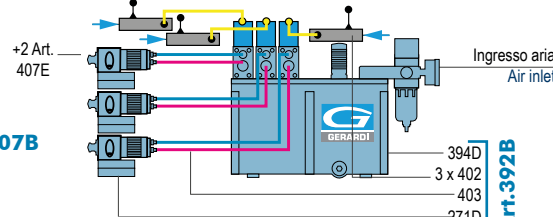
Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)
Art. 392C / 2

 N° 2 serraggi indipendenti
 N° 2 independent clamping


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

€	3.485	3.553	3.573	3.650	4.069	4.263
---	-------	-------	-------	-------	-------	-------

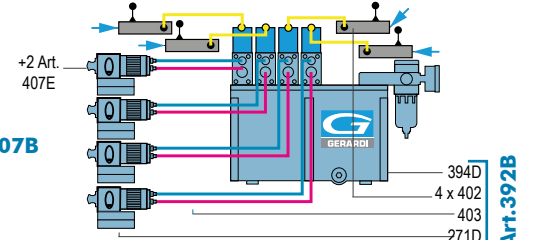
Art. 392C / 3

 N° 3 serraggi indipendenti
 N° 3 independent clamping


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

€	4.251	4.346	4.379	4.474	4.941	5.224
---	-------	-------	-------	-------	-------	-------

Art. 392C / 4

 N° 4 serraggi indipendenti
 N° 4 independent clamping


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

€	5.349	5.477	5.520	5.646	6.266	6.638
---	-------	-------	-------	-------	-------	-------

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

€	1.465
---	-------

Art. 397D

 Blocco modulare per comando **manuale** aggiuntivo per ogni morsa extra

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


Cod.	4.39.7D000
------	------------

€	484
---	-----

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

€	562
---	-----

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

€	1.465
---	-------

Art. 396D

 Blocco modulare per comando **pneumatico** aggiuntivo per ogni morsa extra

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

Cod.	4.39.6D000
------	------------

€	508
---	-----

Art. 396C

 Blocco base per comando **pneumatico**
 Base block for **pneumatic** control


Cod.	4.39.6C000
------	------------

€	583
---	-----

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

€	1.610
---	-------

Art. 398D

 Blocco modulare per comando **elettrico** aggiuntivo per ogni morsa extra

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

Cod.	4.39.8D000
------	------------

€	692
---	-----

Art. 398C

 Blocco base per comando **pneumatico**
 Base block for **pneumatic** control

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

Cod.	4.39.8C000
------	------------

€	765
---	-----

ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

Art. 399

Gruppo filtro riduttore più lubrificatore
Compressed air preparation unit



Cod. 4.39.90000

€ 179

Art. 400

Pedale bistabile
Two positions foot pedal



Cod. 4.40.00000

€ 199

Art. 401

Pulsantiera per 1 azionamento
Pushbutton board for one control operation



Cod. 4.40.10000

€ 275

Art. 402

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



Cod. 4.40.20000-14

€ 92

Art. 402/90

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



Cod. 9.40.29000

€ 201

Art. 405H

Per ogni metro extra / For each extra meter: € 10

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



Ø 6

Cod. 4.40.5H000

€ 13

Art. 403

Per ogni metro extra / For each extra meter: € 116

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)



Cod. 4.40.30000

€ 170

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

Art. 404

Manometro 400bar
Oil pressure gauge 400bar



Cod. 4.40.40000

€ 83

ACCESSORI e RICAMBI
ACCESSORIES and SPARE PARTS

Art. 270A

Attacco idraulico rapido femmina
Quick hydraulic female connection



Cod. 4.27.0A000

€ 75

Art. 270B

Innesto idraulico rapido maschio
Quick hydraulic male connection



Cod. 4.27.0B000

€ 50

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

€ 13

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

€ 44

Art. ID05

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



Cod. 9.ID.05000

€ 9

Art. 505

Pressostato 400bar
Pressure switch 400bar



Cod. 0.50.50000

€ 232

Art. 272A

Indicatore di forza kN
Force indicator kN

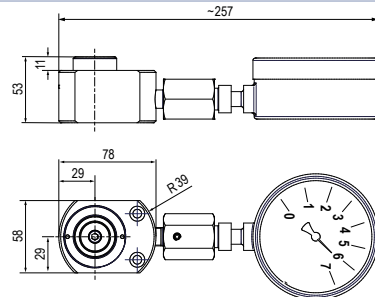


Cod. 4.27.2A600

€ 394

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

€ 958

SERVOCOMANDI OLEODINAMICI / HYDRAULIC SERVO UNITS

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

Art. 271

Supporto di serraggio con cilindro idraulico
Clamping support with hydraulic cylinder

SEMPLICE EFFETTO - SIMPLE EFFECT



Cod.	2.27.11000	2.27.12000	2.27.13000	2.27.14000	2.27.15000	2.27.16000
€	389	425	485	546	668	728
Corsa Stroke	32	26	26	26	40	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
€	474	717	789	849	910	970
Corsa Stroke	20	33	33	33	40	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
€	137	143	154	189	276	306

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	
€	249	273	273	390	
Corsa Stroke	32	26	40		

Art. 569

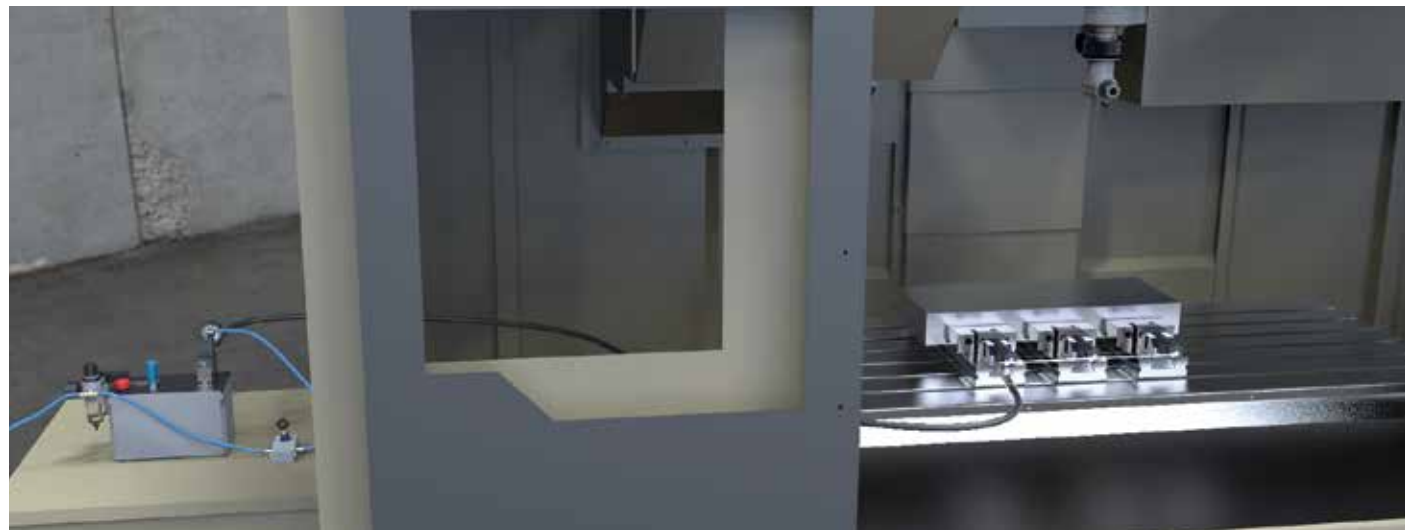
Cilindro idraulico a doppio effetto.
Apertura e chiusura idrauliche
Hydraulic cylinder double acting.
Hydraulic opening and clamping



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	
€	248	540	563	563	
Corsa Stroke	20	33	40		

Specifico per sistemi robotizzati - Specific for robotic applications

Esempi di applicazione / Typical arrangements

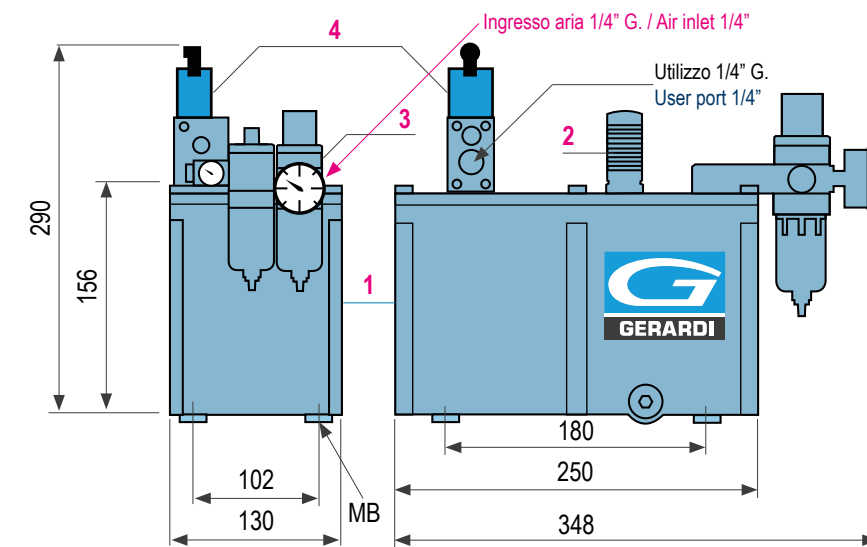


Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli Pneumoidraulici (Serie StandardMatic)
Precision Modular vises matchable for gang operations and pneumohydraulic clamping (StandardMatic series)

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 high 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 principles, 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

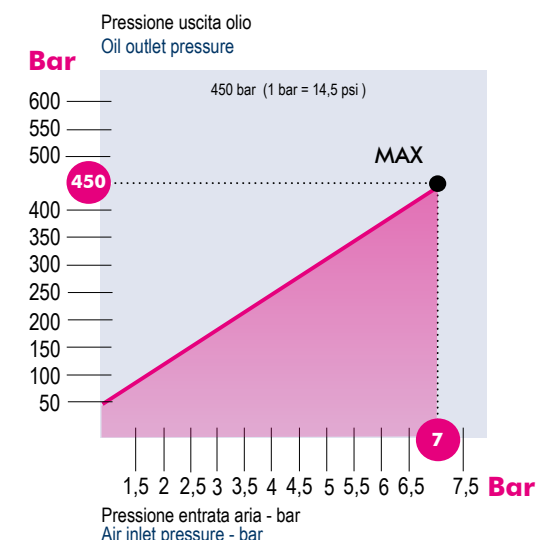
Pressione massima aria: Max permissible air pressure:	7 bar
Pressione aria consigliata: Recommended air pressure:	5,5 bar
Tipo di olio raccomandato: idraulico Recommended grade of oil: hydraulic	68 CSt
Portata Deliveries	0,9 l / min
Capacità serbatoio Tank capacity	3 l
Delta massimo su pilotaggi elettrici: 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



Diagrammi di serraggio / Clamping diagrams

StandardMatic

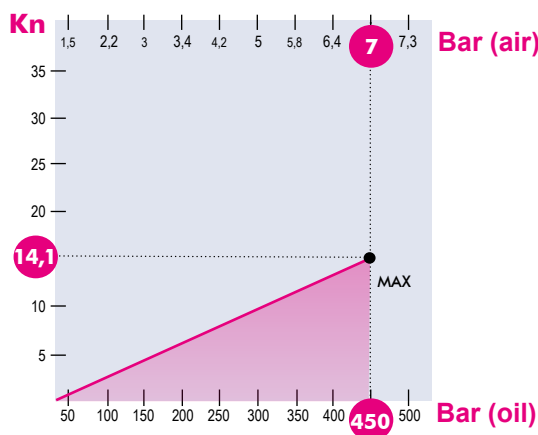
Diagrammi di serraggio pneumoidraulici ed elettroidraulici

Diagram pneumo-hydraulic and electro-hydraulic clamping

Morse tipo
Vises type

1

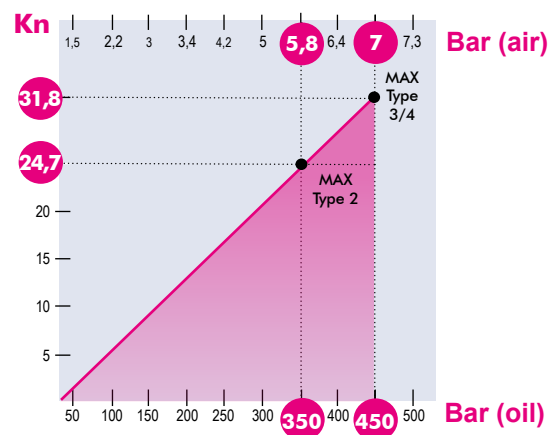
Cilindro idraulico Art. 285 - 569 Ø interno 20 mm - Superficie efficace 3,14 cm²
Hydraulic cylinder Art. 285 - 569 Cylinder I.D. 20 mm - Effective area 3,14 cm²



Morse tipo
Vises type

2-3-4

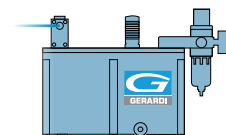
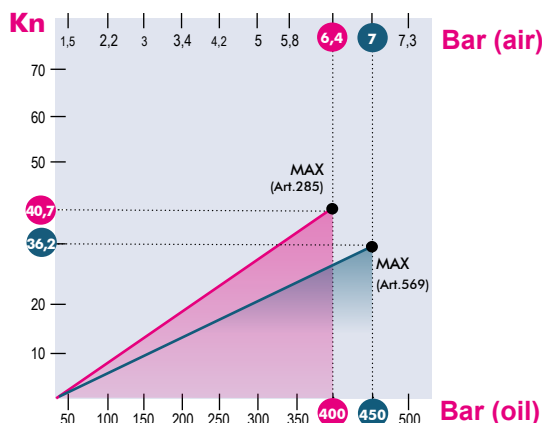
Cilindro idraulico Art. 285 - 569 Ø interno 30 mm - Superficie efficace 7,07 cm²
Hydraulic cylinder Art. 285 - 569 Cylinder I.D. 30 mm - Effective area 7,07 cm²



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 $\pm 10\%$. Per un corretto utilizzo non superare i valori indicati nel grafico
Some factor as lubrication, clamping on the machine table, frictions and more can modify above values within a $\pm 10\%$ range. For optimum operation do not exceed chart values.