



*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
2021

Art. 981

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

Morsa / Vise Art. 1

Cod. 0.98.10000



Art. 985

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

Morsa / Vise Art. 1A

Cod. 0.98.50000



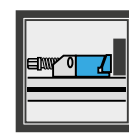
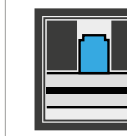
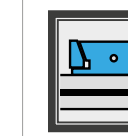
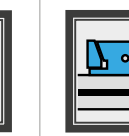
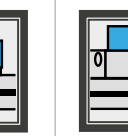
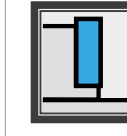
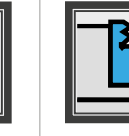
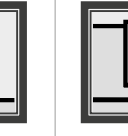
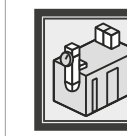
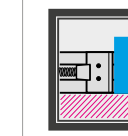
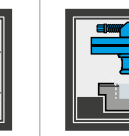
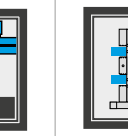
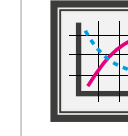
Art. 1 - All'Interno - Inside:

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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 Inserts 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 morse), 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 morse 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.

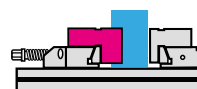
Sicuramente uno dei punti di forza del sistema modulare GERARDI consiste nell'ampissima scelta di componentistica ed accessori nonché nel continuo investimento e sviluppo nei più avanzati concetti e soluzioni originali. Il programma che viene presentato nelle pagine seguenti fa parte di un sistema modulare 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.



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

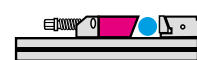
*Parallel plates, stack type & special
jaws and interchangeable
clamping devices*



Art.131 / 138 / 150

Ganasce Sovrapponibili

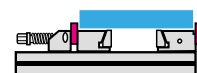
Stack type jaws



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

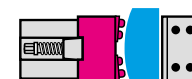
Spindle clamping devices



Art.246

Ganasce mobili guidate monoblocco con piastre piane

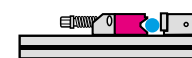
Solid guided movable jaw with straight plates



Art.190 / 188

Ganasce mobili guidate monoblocco

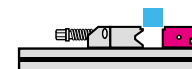
Solid guided movable jaws



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 ganascia prismatica mobile (Art. 217) ordinabile separatamente.

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



Art.127

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

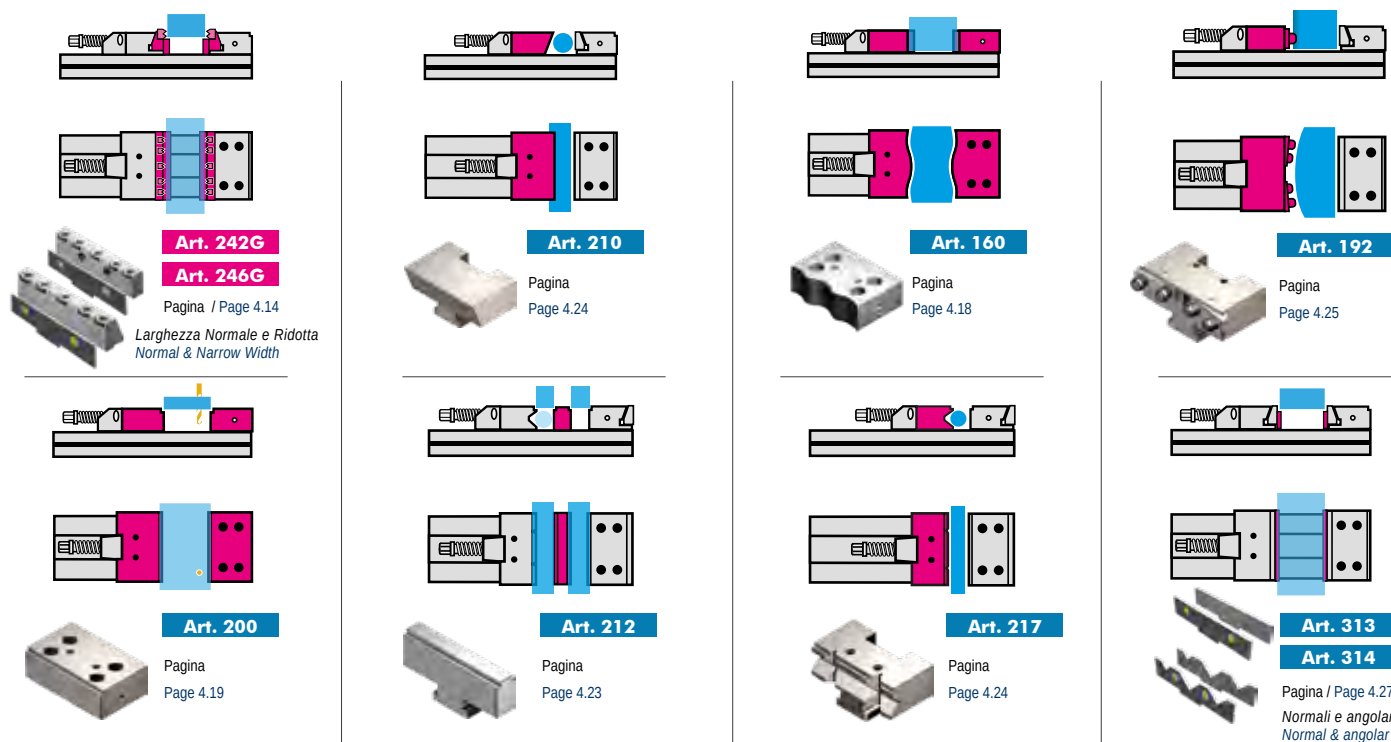
Guided movable jaws built in one solid body with a pull down angle

Parti di ricambio / Spare parts

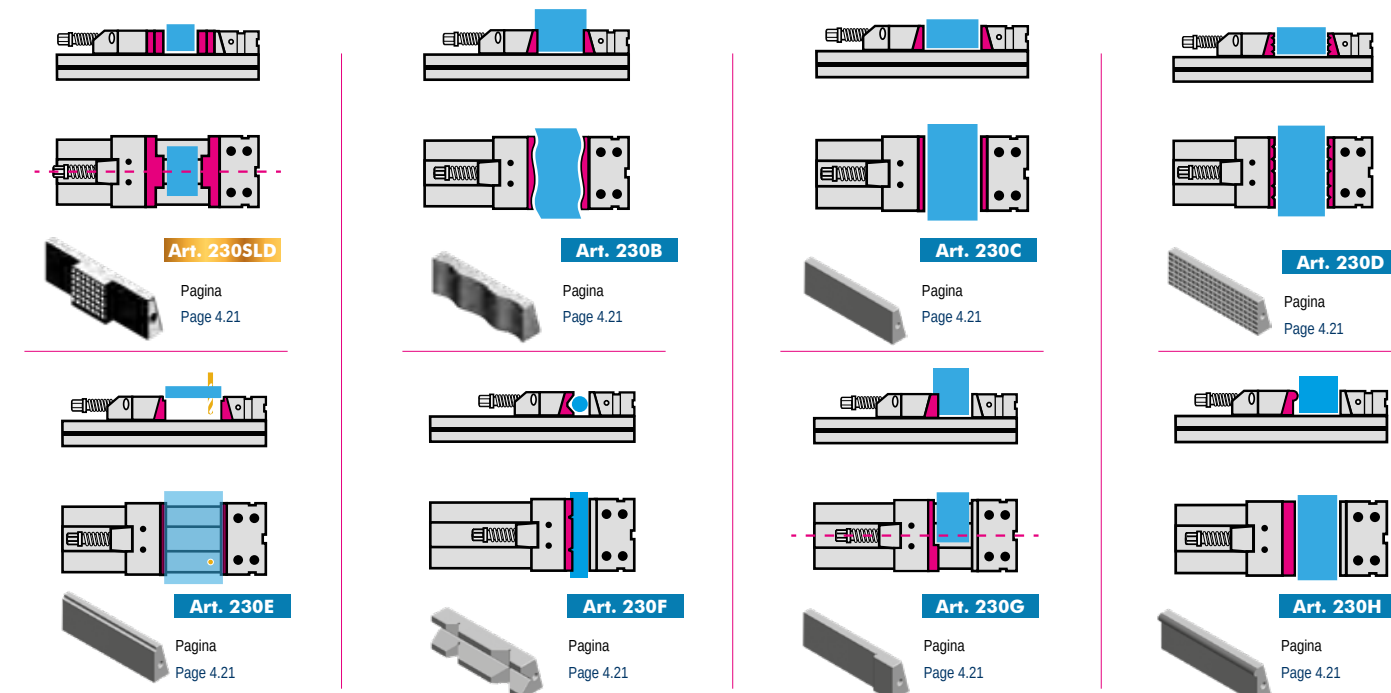
Standard / StdFLEX / XL

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

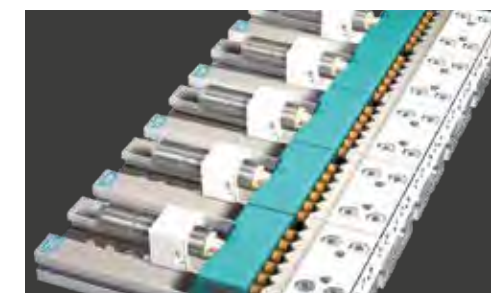
Customized solutions for all your clamping problems



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

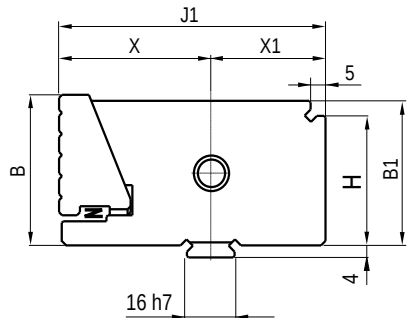
Morsa Standard con piastre ganasce a gradino con inserti Grip per un serraggio più efficace

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

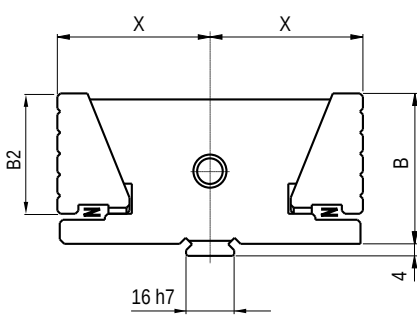
GANASCE STANDARD / STANDARD JAWS

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

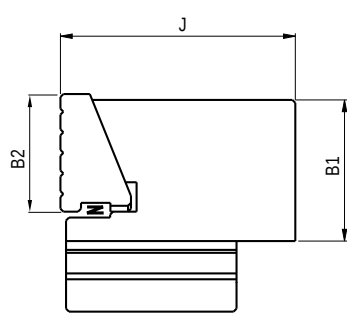
Art. 120



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)

123456

PIASTRE TEMPRATE RIGATE O QUADRETTATE

HARDENED GROOVED OR SERRATED JAW PLATES

Standard

A richiesta / On request (EXTRA)

Art. 230 (W)

Art. 230S (W)

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

Art. 231

Art. 231S

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

Standard

A richiesta / On request (EXTRA)

Art. 248 (W)

Art. 248S (W)

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

Art. 249 (W2)

Art. 249S (W2)

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

€ cad / each

59

64

76

93

130

174

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

W	100	125	150	175	200	300
W2	74	94	124	144	169	194
A	14	20	24	24	29	35
B2	24,5	32	39	43	53	63
C	20	32	50	50	76	90
C1	62	80	90	116	138	184

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

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

ATTENZIONE - ATTENTION:

IN FASE D'ORDINE VERIFICARE QUOTE C - C1 - CHECK DIMENSIONS C - C1 IN CASE OF ORDER

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

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

PIASTRE LISCE TEMPRATE
HARDENED SMOOTH JAW PLATES

Art. 232 (W)

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 (W2)

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 (W)

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

Art. 251 (W2)

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 (W)

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 (W2)

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 (W)

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

Art. 253 (W2)

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
Cod. Art. 233	1.65.11100	1.65.21100	1.65.31100	1.65.41100	1.65.51100	1.65.61100
Cod. Art. 250	1.65.14100	1.65.24100	1.65.34100	1.65.44100	1.65.54100	1.65.64100
Cod. Art. 251	1.65.15100	1.65.25100	1.65.35100	1.65.45100	1.65.55100	1.65.65100
Cod. Art. 234	1.65.10200	1.65.20200	1.65.30200	1.65.40200	1.65.50200	1.65.60200
Cod. Art. 235	1.65.11200	1.65.21200	1.65.31200	1.65.41200	1.65.51200	1.65.61200
Cod. Art. 252	1.65.14200	1.65.24200	1.65.34200	1.65.44200	1.65.54200	1.65.64200
Cod. Art. 253	1.65.15200	1.65.25200	1.65.35200	1.65.45200	1.65.55200	1.65.65200

GANASCE CON PIASTRE PIANE / STRAIGHT PLATE JAWS

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

Art. 140

Art. 143

Art. 146

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

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

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

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
PIASTRE PIANE TEMPRATE, RIGATE O QUADRETTATE HARDENED GROOVED OR SERRATED STRAIGHT JAW PLATES Dotazione normale delle ganasce e delle morse complete Standard equipment on complete jaws and vises						
Art. 242 (W) Per ganascia fissa e mobile - Art. 140, 143, 146 - Larghezza normale (W) For fixed and movable jaw - Art. 140, 143, 146 - Normal width (W)						
Art. 242S (W) 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. 243 (W2) Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2) For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)						
Art. 243S (W2) 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 PIANE LISCE TEMPRATE HARDENED SMOOTH STRAIGHT JAW PLATES						
Art. 244 (W) 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. 245 (W2) 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 PIANE IN ACCIAIO LAVORABILE (DOLCE) MACHINEABLE STEEL STRAIGHT JAW PLATES (SOFT HRC)

Art. 246 (W) 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. 247 (W2) 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 PIANE TEMPRATE GRIP HARDENED STRAIGHT JAW PLATES GRIP

Art. 246T (W) 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 (W2) Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2) For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)						

W	100	125	150	175	200	300
W2	74	94	124	144	169	194
A	12	12	13	13	18	18
B2	24,5	32	40	43	48	56
C	25	32	50	50	76	90
Cod. Art. 242	1.65.16000	1.65.26000	1.65.36000	1.65.46000	1.65.56000	1.65.66000
Cod. Art. 242S	4.24.2S100	4.24.2S200	4.24.2S300	4.24.2S400	4.24.2S500	4.24.2S600
Cod. Art. 243	1.65.17000	1.65.27000	1.65.37000	1.65.47000	1.65.57000	1.65.67000
Cod. Art. 243S	4.24.3S100	4.24.3S200	4.24.3S300	4.24.3S400	4.24.3S500	4.24.3S600

Art. 246T (W) 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 (W2) Per ganascia fissa e mobile - Art. 141, 144, 147 - Larghezza ridotta (W2) For fixed and movable jaw - Art. 141, 144, 147 - Narrow width (W2)						



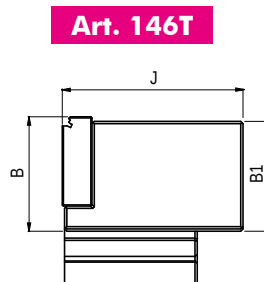
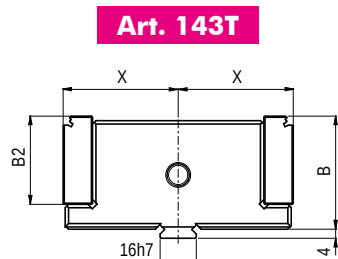
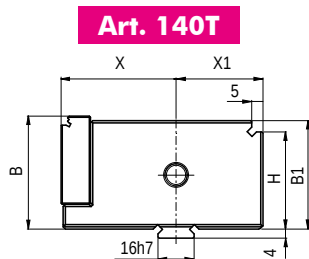
PIASTRE GANASCE "GRIP" JAW PLATES

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

GANASCE CON PIASTRE PIANE GRIP / STRAIGHT PLATE GRIP JAWS

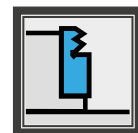
Tipo (grandezza) morsa / Vise type (size)	NEW	1	2	3	4	5	6
Art. 140T W - W3 Ganascia fissa GRIP. Larghezza normale (W) - (W3) Fixed GRIP jaw. Normal width (W) - (W3)		Cod. 2.14.0T100	2.14.0T200	2.14.0T300	2.14.0T400	2.14.0T500	2.14.0T600
Art. 141T W2 - W1 Ganascia fissa GRIP. Larghezza ridotta rettificata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



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

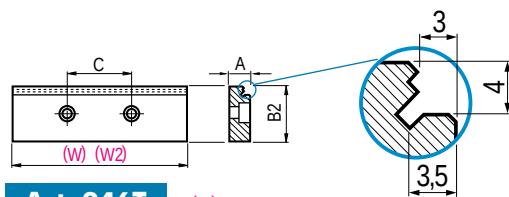
PIASTRE PIANE TEMPRATE GRIP
HARDENED STRAIGHT JAW PLATES GRIP

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



PIASTRE GANASCE "GRIP" JAW PLATES

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



Art. 246T (W)

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

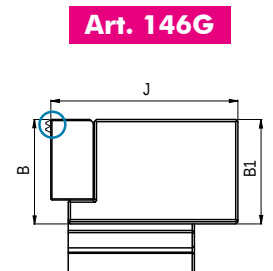
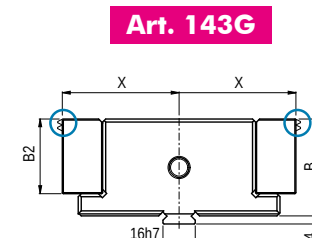
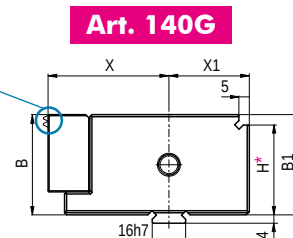
Art. 247T (W2)

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. 246T	4.24.6T100	4.24.6T200	4.24.6T300	4.24.6T400	4.24.6T500	4.24.6T600
Cod. Art. 247T	4.24.7T100	4.24.7T200	4.24.7T300	4.24.7T400	4.24.7T500	4.24.7T600

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

Tipo (grandezza) morsa / Vise type (size)	NEW	1	2	3	4	5	6
Art. 140G W 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
Art. 141G W2 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
Art. 143G W 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
Art. 144G W2 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
Art. 146G W 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
Art. 147G W2 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
Art. 148G W 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
Art. 149G W2 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



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

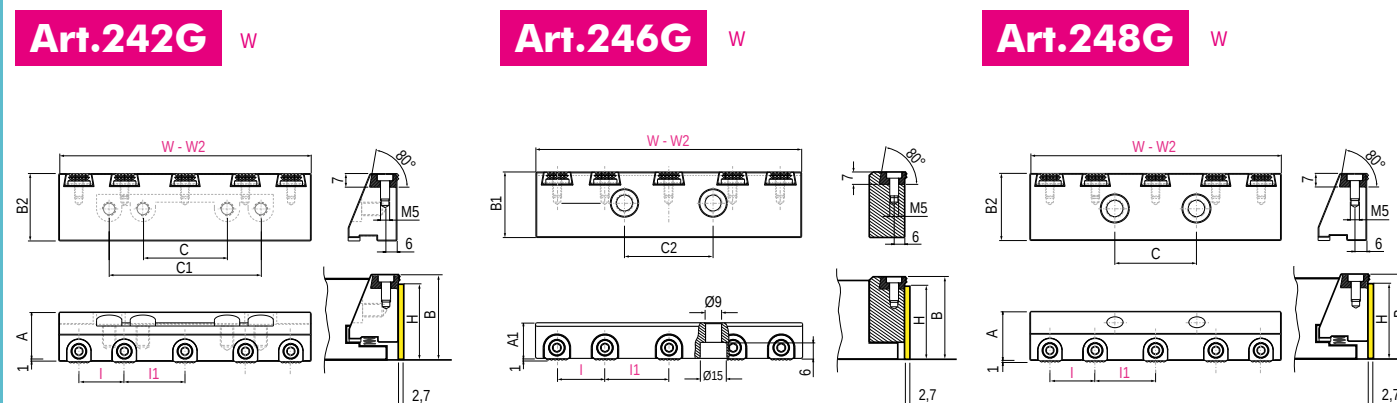
PIASTRE GANASCE CON INSERTI GRIP E PARALLELA MAGNETICA

Tipo (grandezza) morsa / Vise type (size)

NEW

	1	2	3	4	5	6
Art. 242G W Piastra Ganasca con Inserti GRIP. Larghezza normale (W) Jaw plate with GRIP insert. Normal width (W)	Cod. 1.24.2G100	1.24.2G200	1.24.2G300	1.24.2G400	1.24.2G500	1.24.2G600
Art. 243G W2 Piastra Ganasca con Inserti GRIP. Larghezza ridotta rettificata (W1) Jaw plate with GRIP insert. Narrow width ground (W1)	Cod. 1.24.3G100	1.24.3G200	1.24.3G300	1.24.3G400	1.24.3G500	1.24.3G600
Art. 248G W Piastra Ganasca con Inserti GRIP per ganascia fissa doppia. Larghezza normale (W) Jaw plate with GRIP insert for double fixed jaw. Normal width (W)	Cod. 1.24.8G100	1.24.8G200	1.24.8G300	1.24.8G400	1.24.8G500	1.24.8G600
Art. 249G W2 Piastra Ganasca con Inserti GRIP per ganascia fissa doppia. Larghezza ridotta rettificata (W1) Jaw plate with GRIP insert. For double fixed jaw. Narrow width ground (W1)	Cod. 1.24.9G100	1.24.9G200	1.24.9G300	1.24.9G400	1.24.9G500	1.24.9G600
Art. 246G W Piastra Piana con Inserti GRIP. Larghezza normale (W) Straight Plate with GRIP inserts. Normal width (W)	Cod. 1.24.6G100	1.24.6G200	1.24.6G300	1.24.6G400	1.24.6G500	1.24.6G600
Art. 247G W2 Piastra Piana con Inserti GRIP. Larghezza ridotta rettificata (W1) Straight Plate with GRIP inserts. Narrow width ground (W1)	Cod. 1.24.7G100	1.24.7G200	1.24.7G300	1.24.7G400	1.24.7G500	1.24.7G600

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



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

NEW

Art. 242G
Con parallela magnetica e Inserti GRIP
With magnetic parallel and GRIP inserts

Art. 248G
Per ganascia 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

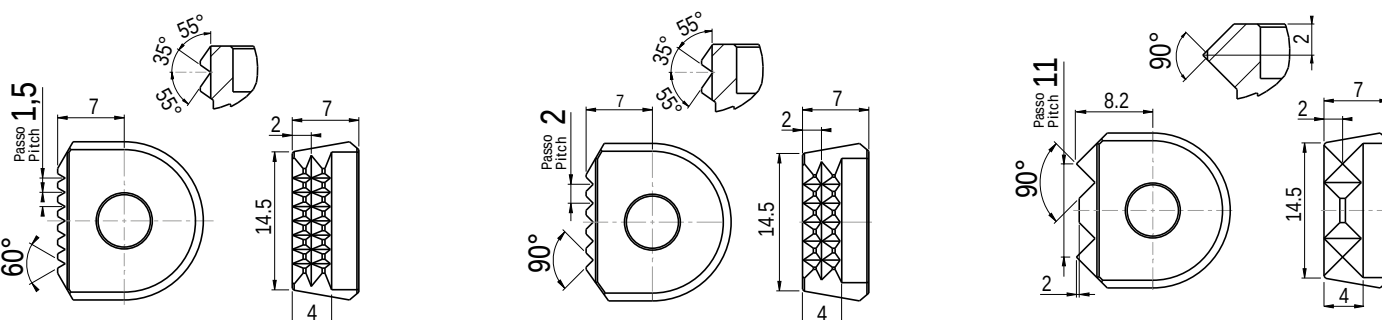
Art. 247G
Larghezza ridotta
Narrow width

Inserti Grip - Grip Inserts

Art. 220 G01
Per materiali di durezza normale
For standard workpieces hardness clamping
Cod. 4.22.01000 / G01

Art. 220 G02
Per materiali di notevole durezza.
For hardened workpieces clamping
Cod. 4.22.01000 / G02

Art. 220 G11
Per materiali teneri
For soft material clamping
Cod. 4.22.01000 / G11



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

Tipo (grandezza) morsa / Vise type (size)

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 2021

Ø 15
Cod. 4.22.0F1510

PIASTRE GANASCE A GRADINO INTEGRALE CON INSERTI GRIP

Tipo (grandezza) morsa / Vise type (size)

NEW 2021

1 2 3 4 5 6

Art. 242K W

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



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

Art. 243K W2

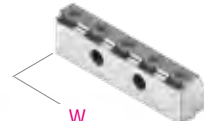
Piastra Ganasce a gradino con Inserti GRIP.
Larghezza ridotta rettificata (W1)
Step jaw plate with GRIP insert. Narrow width ground (W1)



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

Art. 248K W

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



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

Art. 249K W2

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



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

Art. 246K W

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



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

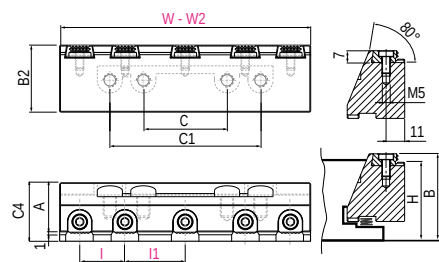
Art. 247K W2

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

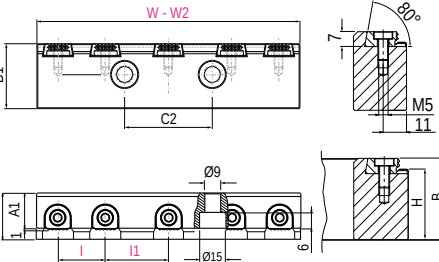


Cod. 1.24.7K100 1.24.7K200 1.24.7K300 1.24.7K400 1.24.7K500 1.24.7K600

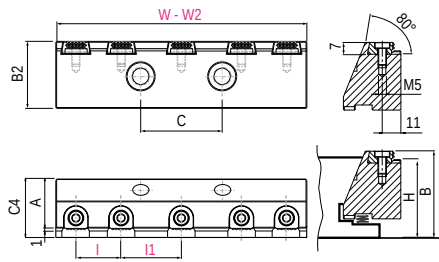
Art. 242K W



Art. 247K W



Art. 248K W



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. 243K

Larghezza ridotta
Narrow width



Art. 248K

Per ganasce fissa doppia
For double fixed jaw
A gradino con Inserti GRIP
With step and GRIP inserts



Art. 249K

Larghezza ridotta
Narrow width



Art. 246K

Piastra Piana
Straight Plate
A gradino con Inserti GRIP
With step and GRIP inserts



Art. 247K

Larghezza ridotta
Narrow width



Inserti Grip - Grip Inserts

Art. 220 G01

Per materiali di durezza normale
For standard workpieces hardness clamping

Cod. 4.22.01000 / G01

Art. 220 G02

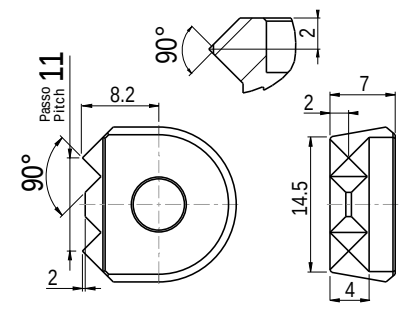
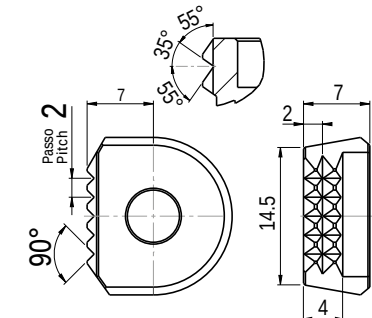
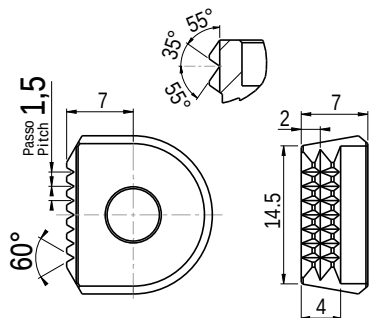
Per materiali di notevole durezza.
For hardened workpieces clamping

Cod. 4.22.01000 / G02

Art. 220 G11

Per materiali teneri
For soft material clamping

Cod. 4.22.01000 / G11



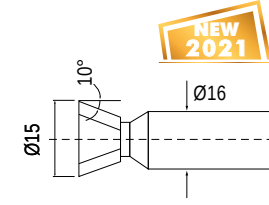
Tipo / Type	1	2	3	4	5	6
Art. 242K - Art. 248K - Art. 246K	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate	7 pcs each jaw plate	9 pcs each jaw plate
Art. 243K - Art. 249K - Art. 247K	3 pcs each jaw plate	3 pcs each jaw plate	5 pcs each jaw plate	5 pcs each jaw plate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

Tipo (grandezza) morsa / Vise type (size)

1 2 3 4 5 6

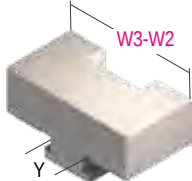
Art. 220F

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



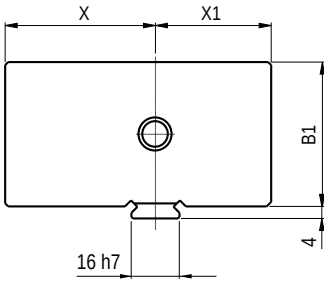
Ø	15
Cod.	4.22.0F1510

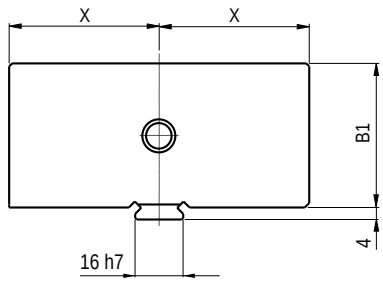
GANASCE LAVORABILI MONOBLOCCO / SOLID MACHINEABLE JAWS

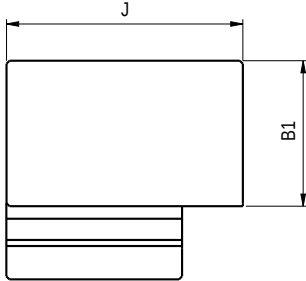
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 160 W3 Ganascia fissa. Larghezza normale (W3) Fixed jaw. Normal width (W3) 	Cod. 2.16.01000	2.16.02000	2.16.03000	2.16.04000	2.16.05000	2.16.06000
Art. 161 W1 Ganascia fissa. Larghezza ridotta rettificata (W1) Fixed jaw. Narrow width ground (W1)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

Durezza / Hardness HB= 290

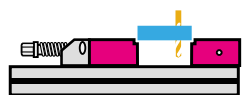
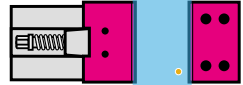
Art.	1	2	3	4	5	6
W3	96	121	146	171	196	296
W1	75	95	125	145	170	195
W2	74	94	124	144	169	194
B1	28	38	48	58	63	78
Y	21	28	41	51	61	71
Y-1	20	27	40	50	60	70
J	50	60	80	90	100	120
X	42,4	42,4	50,9	55,4	66,4	73,1
X1	35,5	35,5	36,5	41,5	47	47

Art. 160

Art. 163

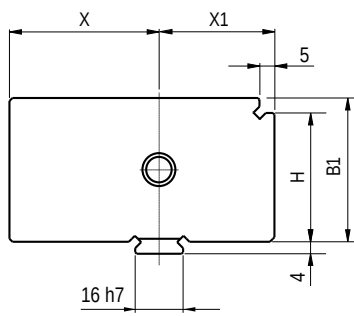
Art. 166

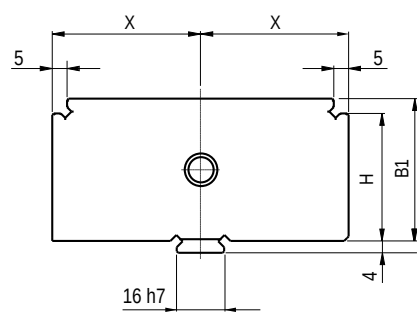
GANASCE MONOBLOCCO TEMPRATE CON GRADINO / SOLID JAWS WITH STEP, CASE HARDENED

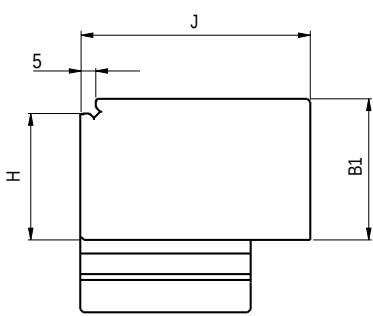
Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 200 W3 Ganascia fissa. Larghezza normale (W3) Fixed jaw. Normal width (W3) 	Cod. 2.20.01000	2.20.02000	2.20.03000	2.20.04000	2.20.05000	2.20.06000
Art. 201 W1 Ganascia fissa. Larghezza ridotta rettificata (W1) Fixed jaw. Narrow width ground (W1)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

Durezza / Hardness HRC= 60

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

Art. 200

Art. 203

Art. 208

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

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

Tipo (grandezza) morsa / Vise type (size)

1

2

3

4

5

6

Art. 120A

Ganascia fissa
Fixed jaw

Cod.	4.12.0A100	4.12.0A200	4.12.0A300	4.12.0A400	4.12.0A500	4.12.0A600

Art. 123A

Ganascia fissa doppia
Double fixed jaw

Cod.	4.12.3A100	4.12.3A200	4.12.3A300	4.12.3A400	4.12.3A500	4.12.3A600

Art. 126A

Ganascia mobile oscillante
Floating movable jaw

Cod.	4.12.6A100	4.12.6A200	4.12.6A300	4.12.6A400	4.12.6A500	4.12.6A600

Art. 127A

Ganascia mobile guidata
Guided movable jaw

Cod.	4.12.7A100	4.12.7A200	4.12.7A300	4.12.7A400	4.12.7A500	4.12.7A600

Art. 120A

Durezza / Hardnes HRC= 60

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

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

Art. 127A

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

The guided movable jaw, Art. 127A, 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

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

GANASCE StdFLEX A CAMBIO RAPIDO / StdFLEX QUICK CHANGE JAWS

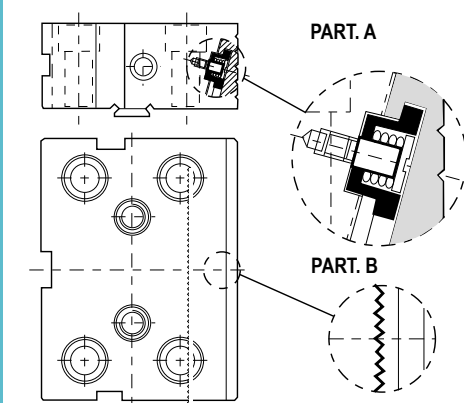
Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 230E Piastra ganascia intercambiabile a gradino a pettine Step comb interchangeable jaw plate	W	95	120	145	170	195	295
	B	28	38	48	58	63	78
		3	3	3	3	3	3
		5	5	5	5	5	5
		8	8	8	8	10	10
	H1	13	13	13	13	13	13
		-	18	18	18	18	18
		-	23	23	23	23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

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

Art. 320 Portapiastre Rack							
	Cod.	4.32.01000	4.32.02000	4.32.03000	4.32.04000	4.32.05000	4.32.06000

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



Rapida sostituzione delle piastre ganasce discendenti senza bisogno di alcun utensile

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

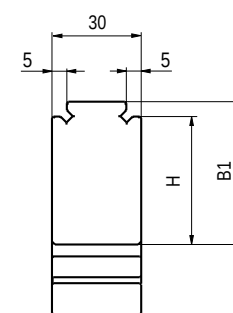
Quick hand change of downward jaw plates - no tools needed

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

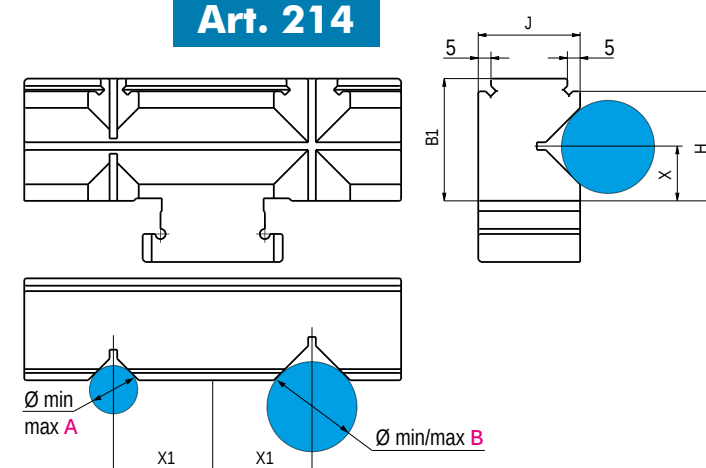
GANASCE MOBILI INTERMEDIE / INTERMEDIATE MOVABLE JAWS

Tipo (grandezza) morsa / Vise type (size)		1	2	3	4	5	6
Art. 212 W3 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
Art. 213 W2 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
Art. 214 W3 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
Art. 215 W2 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
Art. 224 W3 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
Art. 225 W2 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

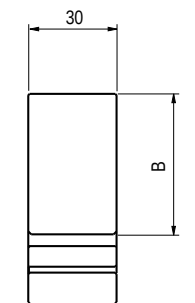
Art. 212



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

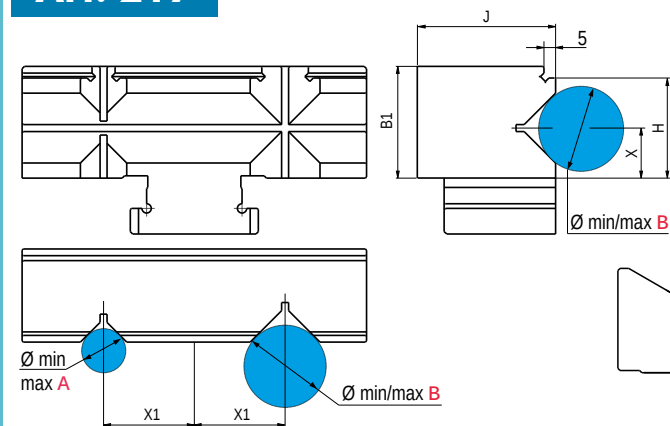
GANASCE MOBILI PRISMATICHE / PRISMATIC MOVABLE JAWS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 217 W3 Ganascia mobile guidata prismatica. Larghezza normale (W3) Prismatic guided movable jaw. Normal width (W3)	Cod. 2.21.71000	2.21.72000	2.21.73000	2.21.74000	2.21.75000	2.21.76000
Art. 218 W2 Ganascia mobile guidata prismatica. Larghezza ridotta (W2) Prismatic guided movable jaw. Narrow width (W2)	Cod. 2.21.81000	2.21.82000	2.21.83000	2.21.84000	2.21.85000	2.21.86000
Art. 152 W2 Inserto prismatico. Larghezza ridotta (W2) Prismatic insert. Narrow width (W2)	Cod. 4.15.21000	4.15.22000	4.15.23000	4.15.24000	4.15.25000	4.15.26000

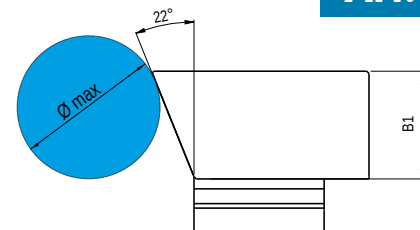
Ganasce per PARTICOLARI TONDI / Jaws for ROUND WORKPIECE

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

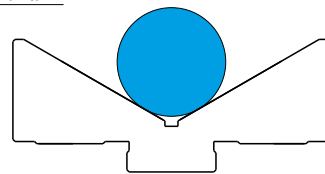
Art. 217



Art. 210



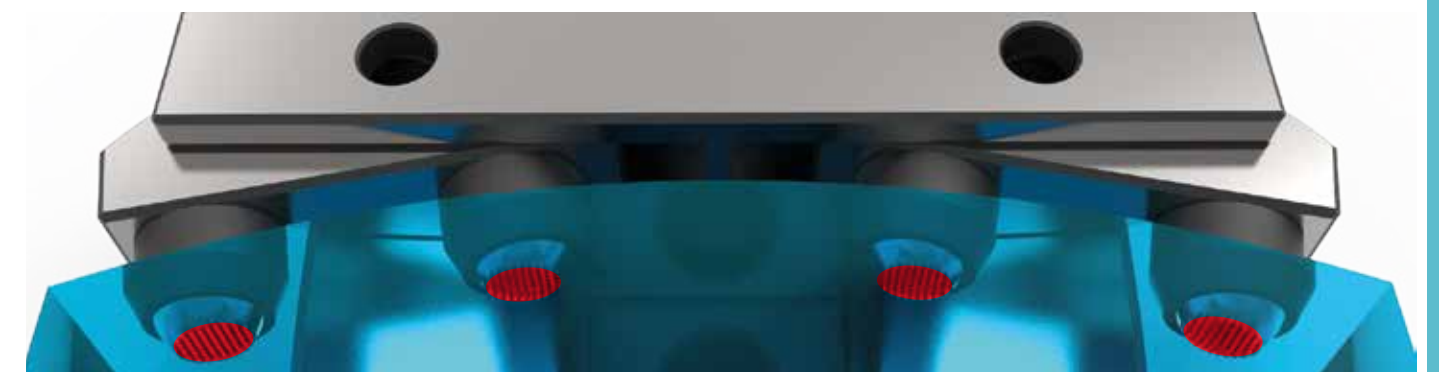
Art. 152



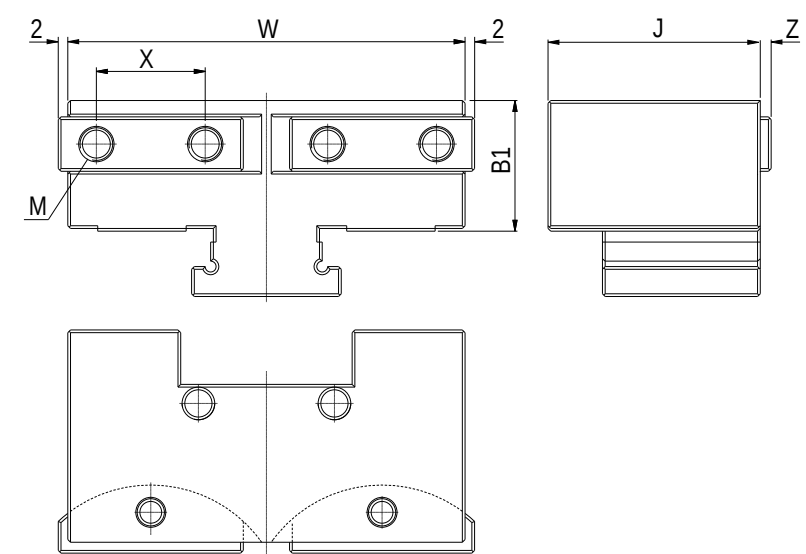
mm	1	2	3	4	5	6
W3	96	121	146	171	196	296
W2	74	94	124	144	169	194
B1	28	38	48	58	63	78
H	23	33	43	53	53	68
J	50	60	80	90	100	120
X	11,5	16,5	21,5	26,5	31,5	34
X1	25	33	39	50	50	70
Ø min / max A Art. 217	4 - 10	7 - 18	9 - 24	9 - 24	9 - 24	10 - 28
Ø min / max B Art. 217	6 - 16	9 - 24	13 - 38	15 - 40	15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

GANASCE CON SEGMENTI OSCILLANTI / MOVABLE JAW WITH FLOATING ELEMENTS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 192 Ganascia mobile oscillante con 2 segmenti oscillanti e puntali sferici lisci. Floating movable jaw with two floating elements and spherical smooth points.						
Art. 192S Ganascia mobile oscillante con 2 elementi oscillanti e puntali sferici zigrinati. Floating movable jaw with two floating elements and spherical serrated points.						



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 opportunit  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:

- Rapidit  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 avvitare

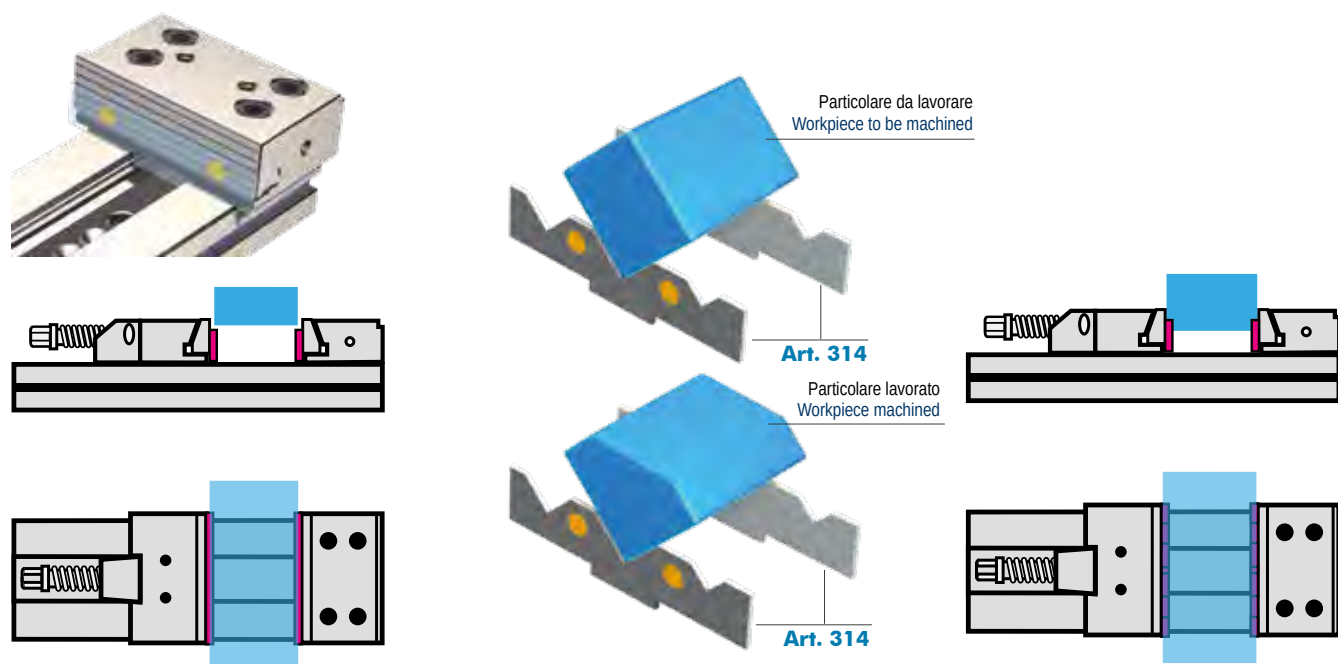
Naturalmente tutti i componenti sono in acciaio speciale per molle e rettificati con tolleranze centesimali.

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 tightend

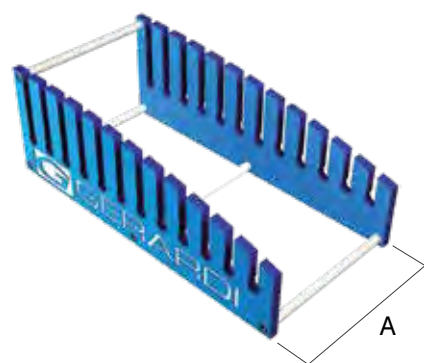
Of course each component is made of hardened and ground spring steel and the accuracy is within 0,02 mm.

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

Art. 313A

Magnete per parallele
Magnet for parallels



Cod. 4.31.3A100

NON MODULARI - NOT MODULAR

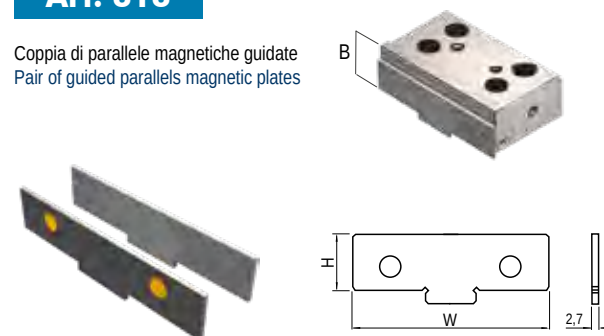
Richiedono aggiustaggio in opera - Adjustment needed before working

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

Tipo (grandezza) / Vise type (size)

Art. 313

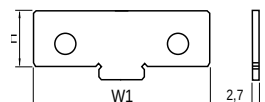
Coppia di parallele magnetiche guidate
Pair of guided parallels magnetic plates



	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

Art. 313R

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



	74	94	124	144	169	194
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

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

Art. 311

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

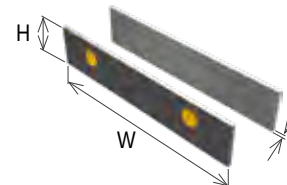
10 COPPIE - PAIRS

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

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

Art. 414

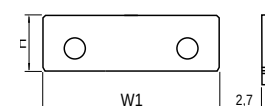
Coppia di parallele magnetiche universali
Pair of universal parallels magnetic plates



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

Art. 414R

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

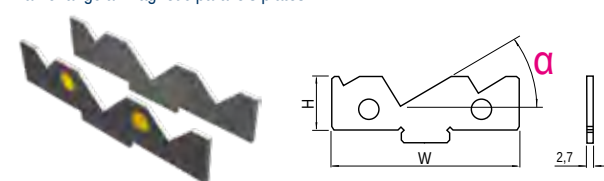


	74	94	124	144	169	194
W1	74	94	124	144	169	194
Cod.	4.41.4R10C	4.41.4R20C	4.41.4R30C	4.41.4R40C	4.41.4R50C	4.41.4R60C

Tipo (grandezza) / Vise type (size)

Art. 314

Coppia di parallele magnetiche angolari
Pair of angular magnetic parallels plates



	20°	25°	30°	35°	40°	45°
α	20°	25°	30°	35°	40°	45°
	100	125	150	175	200	300
W	100	125	150	175	200	300
H	23	33	43	53	53	68
Cod.	4.31.4100C	4.31.4200C	4.31.4300C	4.31.4400C	4.31.4500C	4.31.4600C

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

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

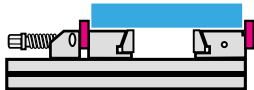
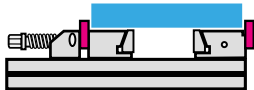
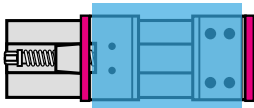
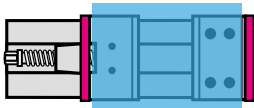
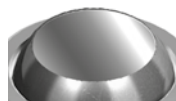
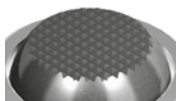
Art. 312

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

ACCESSORI PER GANASCE / ACCESSORIES FOR JAWS

Tipo (grandezza) / Vise type (size)		1	2	3	4	5	6	
Art. 132 Prolunga per ganascia mobile. Larghezza normale Extension for movable jaw. Normal width		NO StandardFLEX						
		Cod.	2.13.21000	2.13.22000	2.13.23000	2.13.24000	2.13.25000	2.13.26000
Art. 134 Prolunga per ganascia mobile. Super ridotta Extension for movable jaw. Super narrow								
		Cod.	2.13.41000	2.13.42000	2.13.43000	2.13.44000	2.13.45000	2.13.46000
Art. 133 Prolunga per ganascia fissa. Larghezza normale Extension for fixed jaw. Normal width								
		Cod.	2.13.31000	2.13.32000	2.13.33000	2.13.34000	2.13.35000	2.13.36000
Art. 135 Prolunga per ganascia fissa. Ridotta e super ridotta Extension for fixed jaw. Narrow and super narrow		NO StandardFLEX						
		Cod.	2.13.51000	2.13.52000	2.13.53000	2.13.54000	2.13.55000	2.13.56000
Art. 260 Segmento oscillante per ganasce mobili. Art. 190 - 191 Floating segment for movable jaws. Art. 190 - 191								
		Cod.	1.26.01000	1.26.02000	1.26.03000	1.26.04000	1.26.05000	1.26.06000
Art. 362 Molla per piastre ganasce Spring for jaw plates								
		Cod.	0.70.10000	0.70.10000	0.70.30000	0.70.30000	0.70.30000	0.70.30000
Art. 380 Vite TCEI fissaggio corpo ganascia fissa Hex socket and screw for fixed jaw body								
		Cod.	0.01.11030	0.01.10865	0.01.11450	0.01.11660	0.01.12065	0.01.12080
Art. 381 Vite TCEI fissaggio piastra ganascia fissa Hex socket screw for fixed plate								
		Cod.	0.01.10565	0.01.11240	0.01.11451	0.01.11661	0.01.12066	0.01.12081
Art. 382 Vite TCEI fissaggio piastra ganascia mobile Hex socket and screw for movable jaw plate								
		Cod.	0.01.10525	0.01.10830	0.01.10840	0.01.10845	0.01.11050	0.01.11065
Art. 383 Vite TCEI fissaggio piastra ganascia fissa doppia Hex socket and screw for double fixed jaw								
		Cod.	0.01.10520	0.01.10620	0.01.10820	0.01.11820	0.01.11020	0.01.11020
Art. 384 Vite TCEI per arresto laterale Hex socket and screw for workstop								
		Cod.	0.06.11100	0.06.22200	0.06.33300	0.06.44400	0.06.55500	0.06.66600
Art. 431 Rondella per arresto laterale Washer for workstop								
		Cod.	2.43.11000	2.43.12000	2.43.13000	2.43.14000	2.43.15000	2.43.16000
Art. 440 Dado per arresto laterale Nut for workstop								
		Cod.	2.44.01000	2.44.02000	2.44.03000	2.44.04000	2.44.05000	2.44.06000
Art. 570 Puntale sferico Liscio Smooth spherical point								
		Cod.	1.57.01000	1.57.03000	1.57.05000			
		Cod.	1.57.0S100	1.57.0S300	1.57.0S500			
Art. 570S Puntale sferico zigrinato Serrated spherical point								
		Cod.	1.57.01000	1.57.03000	1.57.05000			
		Cod.	1.57.0S100	1.57.0S300	1.57.0S500			

CORPI GANASCE STANDARD / BODIES STANDARD JAWS

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

CORPI GANASCE PIANE / BODY - STRAIGHT JAWS

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

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

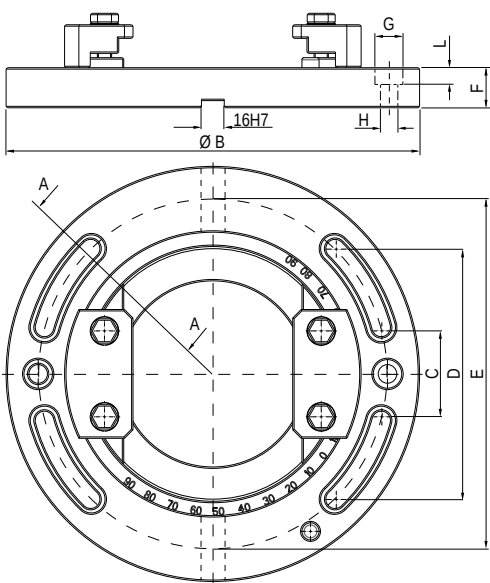
Art. 300A Corpo ganascia fissa Fixed jaw body	Cod. 1.30.0A100	1.30.0A200	1.30.0A300	1.30.0A400	1.30.0A500	1.30.0A600
Art. 303A Corpo ganascia fissa doppia Double fixed jaw body	Cod. 1.30.3A100	1.30.3A200	1.30.3A300	1.30.3A400	1.30.3A500	1.30.3A600
Art. 306A Corpo ganascia mobile guidata Guided movable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

Y1 = Y - 1 mm

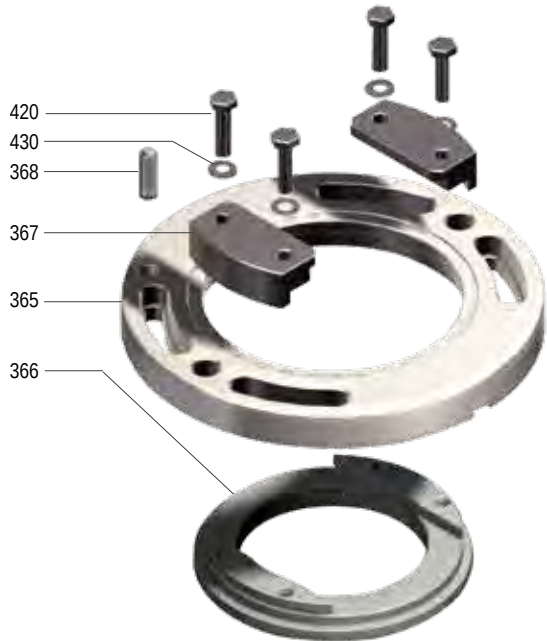
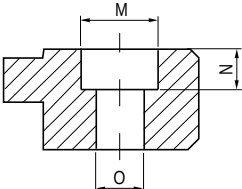
GRUPPI PREASSEMBLATI / PRE-ASSEMBLED GROUP

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
Art. 365 Anello esterno per base girevole Outer ring swivel base	Cod. 1.81.11000	1.81.21000	1.81.31000	1.81.41000	1.81.51000	1.81.61000
Art. 366 Anello interno per base girevole Inner ring swivel base	Cod. 1.81.12000	1.81.22000	1.81.32000	1.81.42000	1.81.52000	1.81.62000
Art. 367 Staffa per base girevole Clamp swivel base	Cod. 1.84.10000	1.84.20000	1.84.30000	1.84.40000	1.84.50000	1.84.60000
Art. 368 Spina cilindrica per base girevole Straight pin swivel base	Cod. 0.80.11000	0.80.21000	0.80.31000	0.80.41000	0.80.51000	0.80.61000
Art. 420 Vite esagonale per base girevole Bolt swivel base	Cod. 0.05.08035	0.05.10035	0.05.10040	0.05.12050	0.05.14060	0.05.14060
Art. 430 Rondella per base girevole Washer swivel base	Cod. 0.75.18416	0.75.11052	0.75.11052	0.75.11325	0.75.11525	0.75.11525

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



Sezione / Section "A-A"



GRUPPI PREASSEMBLATI / PRE-ASSEMBLED GROUP



Art. 105
Art. 105

Base girevole
Swivel base



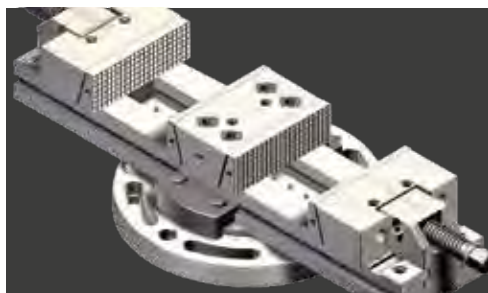
Art. 2
Art. 2

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

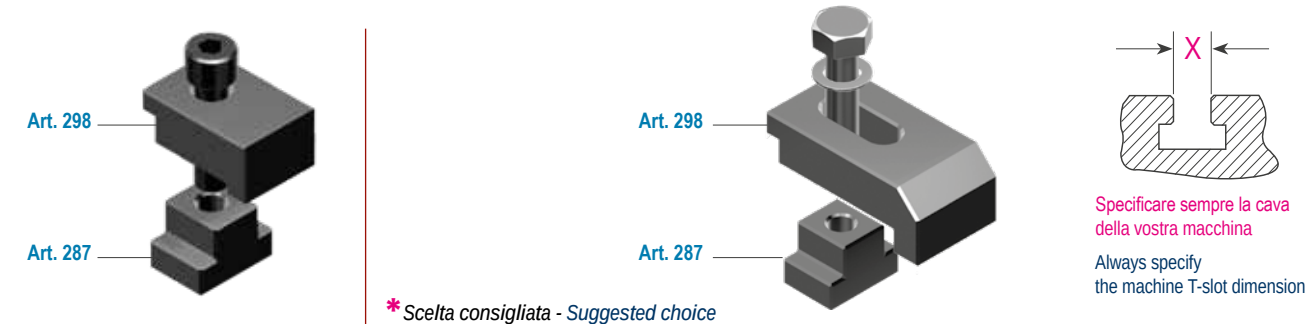


Art. 2A
Art. 2A

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

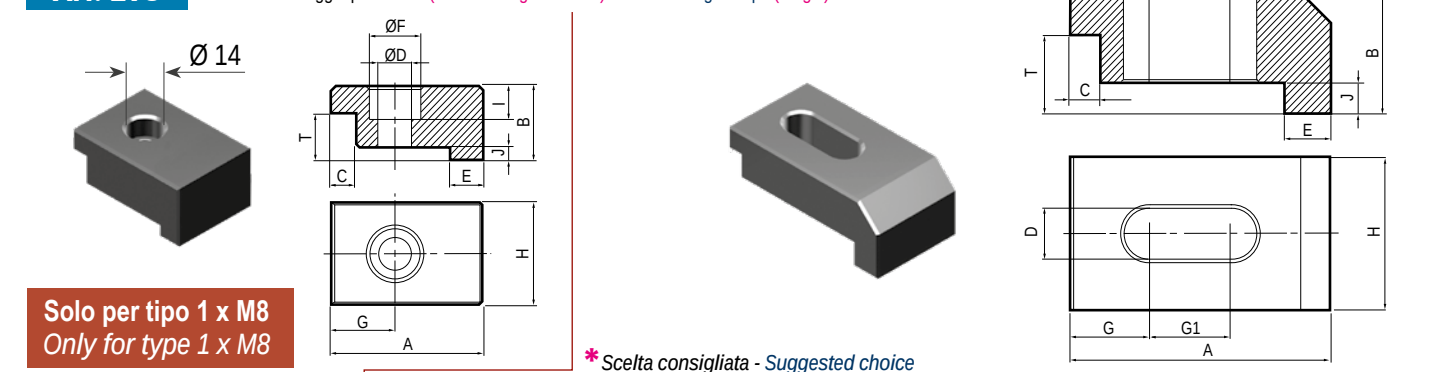
STAFFE DI ANCORAGGIO PER MORSE / VISE HOLDING CLAMPING

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)



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 *
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

Art. 298 Staffe di ancoraggio per morse (Venduta singolarmente) / Vise holding clamps (Single)

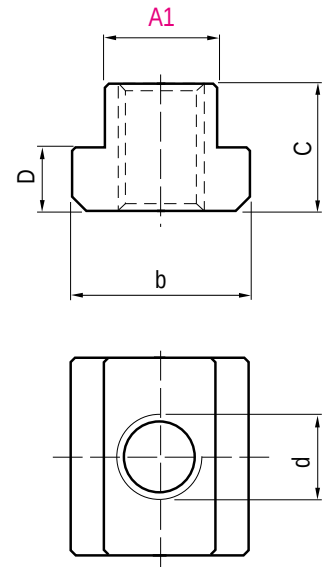


Morse / Vises	Tipo (grandezza) morsa / Vise (type) size					
STD	1	1 - 2	3 - 4	5 - 6		
FMS	1	1	2 - 3	4 - 5 - 6		
MULTIFLEX	1	1	2 - 3	-		
MULTITASKING	-	3	-	-		
COMPACT GRIP	-	1 - 2 - 3	-	-		
GRIPMATIC	-	2 - 3 - 4	-	-		
Staffe / Holding Clamps	M8	M10	M12 *	M16	M12 *	M16 *
A	50	50	50	76	76	86
B	24	24	24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

Art. 287

Dadi per cave a T
Nuts for T slots

DIN 508

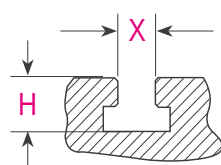


In fase d'ordine,
completare il codice
specificando il
numero N di dado a T

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

Esempio / Example
Cod. 2.28.74000 / 24

DIN 650



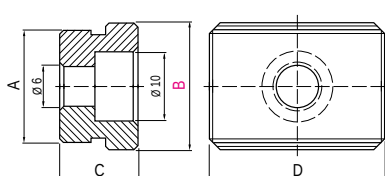
Specificare sempre la cava
della vostra macchina
Always specify
the machine T-slot dimension

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									

N	d	A1	b	C	D
31	M14 x 24	23,7	40	32	16
32	M16 x 18	17,7	28	28	18
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

~~Scelta NON consigliata - NOT Suggested choice~~

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

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

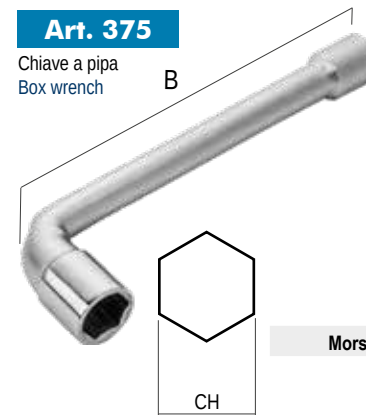
Arresto laterale magnetico
Magnetic workshop



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
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

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

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

Vite / Screw Staffa / Bracket	M mm	6 42x14x8	8 60x18x12	10 90x30x15
Cod.	-	7.37.01000	7.37.02000	2.37.01000

Vite / Screw Staffa / Bracket	M mm	10 60x20x12	10 90x30x15	-	-	-
Cod.	-	6.37.01000	2.37.01000	-	-	-

Perno / Pin Staffa / Bracket	M mm	5 40x16x12	6 55x16x12	6 70x20x14	6 70x20x14	8 -	8 90x20x18	-
Cod.	-	7.66.61000	7.66.61100	7.66.61200	7.66.61300	7.66.61400	7.66.61500	-

Perno / Pin Staffa / Bracket	Ø mm	5 30x14x8	6 45x20x10	-	-	-
Cod.	-	7.37.01000/EM	7.37.02000/EM	-	-	-

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

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	4.37.530450	4.37.530450						

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						

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

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

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

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

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

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

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

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

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

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

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

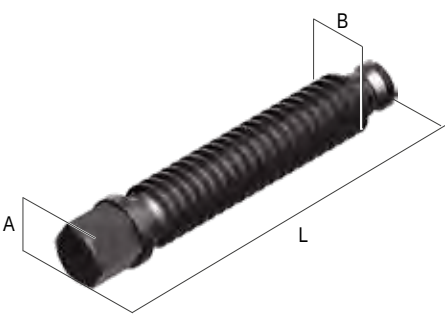
Morse CompactGrip - MaxiGrip / CompactGrip - MaxiGrip Vises	10	160	12	160	16	250	17	280	-	-	-	-
Cod.	4.37.510160	4.37.512160	4.37.516250	4.37.517280	-	-	-	-	-	-	-	-

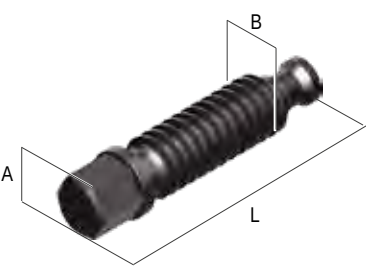
Morse CompactGrip - MaxiGrip / CompactGrip - MaxiGrip Vises	10	160	12	160	16	250	17	280	-	-	-	-
Cod.	4.37.510160	4.37.512160	4.37.516250	4.37.517280	-	-	-	-	-	-	-	-

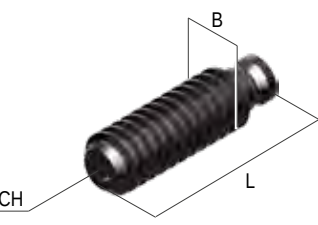
DISPOSITIVI MECCANICI / MECHANICAL BLOCKING DEVICES

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

Art. 355 Vite di spinta. Ridotta Clamping bolt. Short				
A	12	19	22	30
B	M12	TPN 18 x 4	TPN 24 x 5	TPN 30 x 5
L	90	100	115	150
Cod.	1.90.14144	1.90.24184	1.90.34245	1.90.54366

Art. 356 Vite di spinta. Super ridotta Clamping bolt. Super short				
CH	6	8	10	12
B	M12	TPN 18 x 4	TPN 24 x 5	TPN 30 x 5
L	53	73	81	113
Cod.	1.35.61000	1.35.62000	1.35.60003	1.35.60005

Art. 282A Supporto di serraggio meccanico Mechanical clamping device support						
Cod.	2.28.2A100	2.28.2A200	2.28.2A300	2.28.2A400	2.28.2A500	2.28.2A600

Art. 410 Grano Setscrew						
Cod.	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

Art. 361 Sfera Ball						
Cod.	1.36.11001	1.36.12002	1.36.13003	1.36.14004	1.36.15005	1.36.16006
	9/16"	3/4"	7/8"	7/8"	1 1/8"	1 1/8"

SERVOCOMANDI OLEODINAMICI / HYDRAULIC SERVO UNITS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
Art. 257 Gruppo di serraggio a vite idraulica (Autonomo) Hydraulic hand screw clamping device (Self contained)						
Cod.	-	2.25.73000	2.25.74000	2.25.75000	2.25.76000	

Art. 284A Supporto di serraggio per mandrino a vite idraulica Clamping support for hydraulic spindle						
Cod.	-	2.28.4A300	2.28.4A400	2.28.4A500	2.28.4A600	

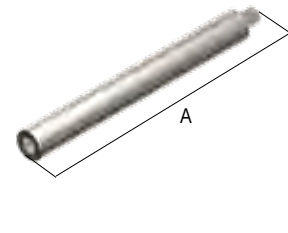
Art. 286 Mandrino a vite idraulica Hydraulic spindle	Kn	-	12	20		
A	-	420	359			
Cod.	-	4.28.63000	4.28.65000			

Art. 295 Gruppo di serraggio a vite idraulica compatto Compact hydraulic hand screw clamping device						
Cod.	-	4.29.53000	4.29.54000	-	-	

Art. 294A Supporto di serraggio per mandrino compatto a vite idraulica Clamping support for compact hydraulic spindle						
Cod.	-	4.29.4A300	4.29.4A400	-	-	

Art. 293 Mandrino compatto a vite idraulica Compact hydraulic spindle	Kn	-	10	-		
A	-	173				
Cod.	-	4.29.33000	-	-		

Art. 290 Manovella per mandrino a vite idraulica Crank hydraulic spindle						
Cod.	-	4.29.03000M12				

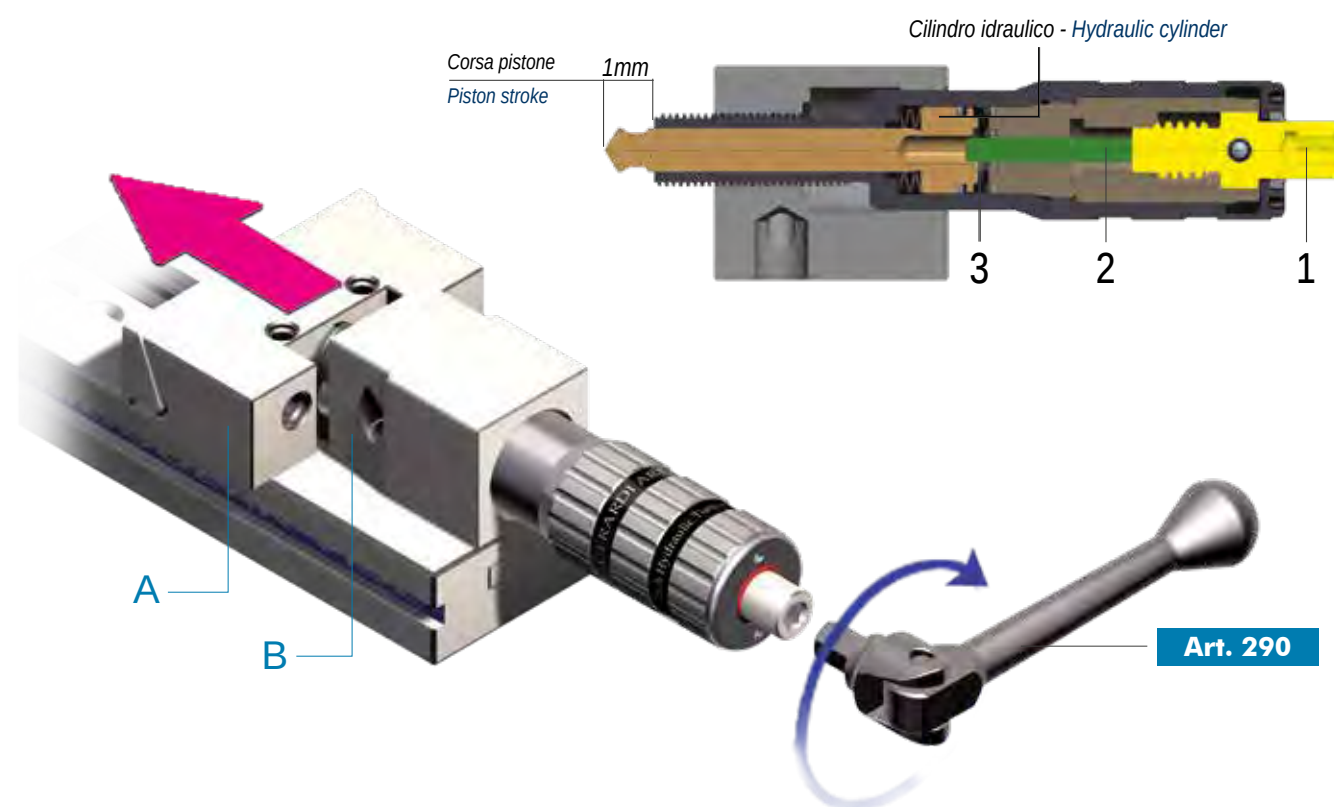
Art. 292 Prolunga per Art. 290 Extension for Art. 290						
A	160 / 260					
Cod.	-	4.29.23000				

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 ganaschia 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 ganaschia 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

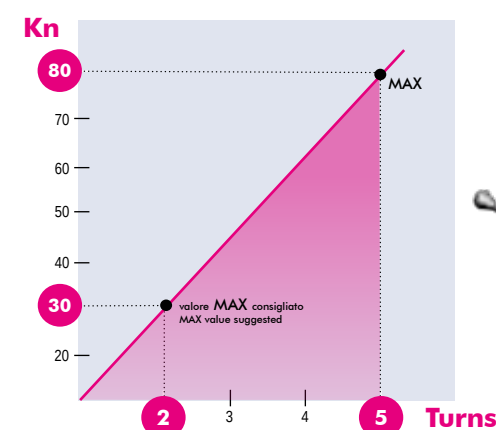
Diagrammi di serraggio meccanico con vite idraulica

Mechanical clamping diagrams with hydraulic hand screw

Morse tipo Vises type

3-4

Autonomo - Self Contained

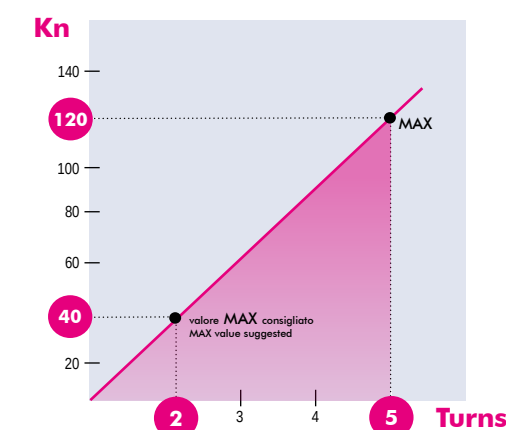


Art. 257

Morse tipo Vises type

5-6

Autonomo - Self Contained



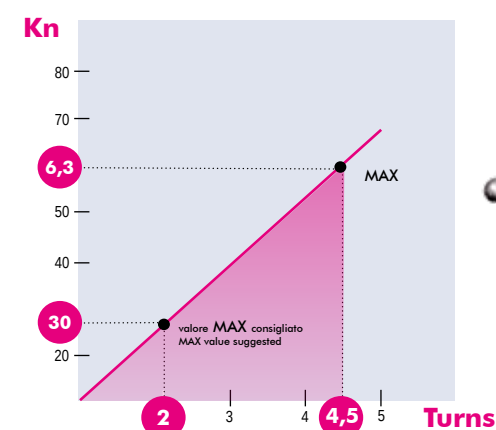
Gruppi di serraggio meccanici (Art.257 - Art.295) / Mechanical clamping devices (Art.257 - Art.295)

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 16 kN	2 25 kN	3 30 kN	4 30 kN	5 40 kN	6 40 kN	7 50 kN	8 60 kN
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150	175	175	175	175	175
	B	30	40	50	60	60	60	60	60
	C	35	40	50	58	58	58	58	58
	D	270	345	420	520	455	555	655	755
	G	75	95	125	145	145	145	145	145
	X	78	103,5	98	78	78	78	78	78
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	1.1E.10000	1.1E.20000	1.1E.32000	1.1E.33000	1.1E.42000	1.1E.43000	1.1E.44000	1.1E.45000



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



Cod. 4.39.34500

Art. 394 MAX 450bar
Centralina a comando pneumatico remoto singolo effetto
Single effect power unit with remote pneumatic control



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

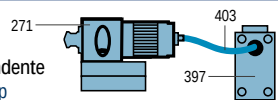
Cod. 4.39.44500

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



Cod. 4.39.54500

Art. 407
Gruppo di serraggio indipendente
Independent clamping group

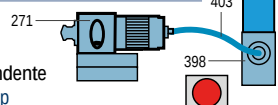


Le corse del pistone sono disponibili a pagina 4.54

Cod. 4.40.71000 4.40.72000 4.40.73000 4.40.74000

MANUAL CONTROL

Art. 407A
Gruppo di serraggio indipendente
Independent clamping group



Le corse del pistone sono disponibili a pagina 4.54

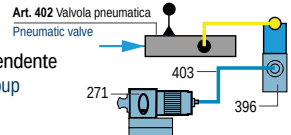
Cod. 4.40.7A100 4.40.7A200 4.40.7A300 4.40.7A400

CNC CONTROL

OPTIONAL: € 237

Art. 401 Pulsantiera / Puschbutton board

Art. 407B
Gruppo di serraggio indipendente
Independent clamping group



Cod. 4.40.7B100 4.40.7B200 4.40.7B300 4.40.7B400

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) - Extra per ogni chiave (tolleranza H7)



Art. 1E

Art. 370

Art. 297

Art. 376

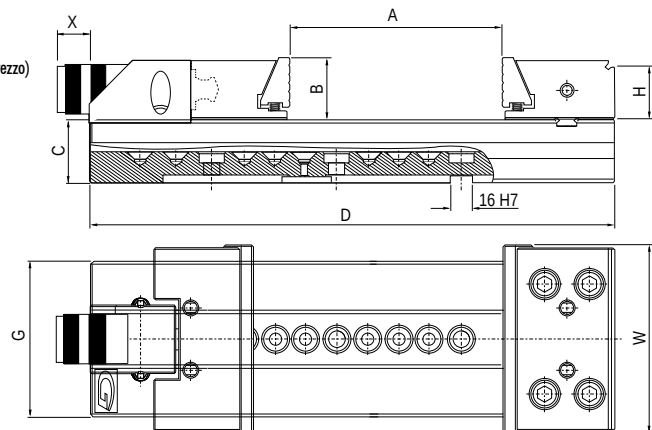
Standard equipment:

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

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



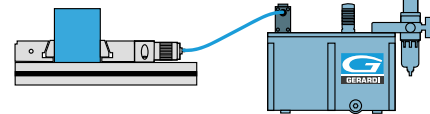
ESEMPIO D'ORDINE PER KIT COMPLETO: Art.1E (Morsa) + Art.393 (centralina a comando manuale) + Art.403 (tubo 1,5M)
COMPLETE KIT ORDER EXAMPLE: Art.1E (Vise) + Art.393 (power unit with manual control) + Art.403 (pipe 1,5M)


StandardMatic VISES

	5 40 kN	6 40 kN	7 50 kN	8 60 kN	9 70 kN	10 80 kN	11 90 kN	12 100 kN	13 110 kN	14 120 kN	15 130 kN	16 140 kN	17 150 kN
A	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
W			200										
B			65										
C			70										
D	495	595	695	795	895	995	1095	1195	1295	1395	1495	1595	1695
G			170										
X			64										
kg	64	69	74	79	84	89	94	99	104	109	114	119	124
Cod.	1.1E.52000	1.1E.53000	1.1E.54000	1.1E.55000	1.1E.56000	1.1E.57000	1.1E.58000	1.1E.59000	1.1E.60000	1.1E.61000	1.1E.62000	1.1E.63000	1.1E.64000

4.39.34500

Art. 393



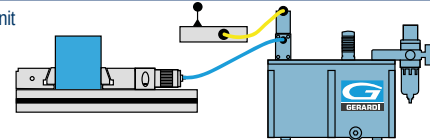
4.39.34500

MANUAL CONTROL

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

4.39.44500

Art. 394

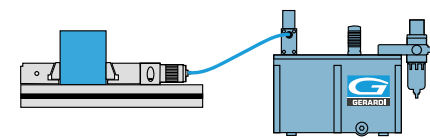


4.39.44500

AIR CONTROL

4.39.54500

Art. 395



4.39.54500

CNC CONTROL

Piston strokes are available at page 4.54

4.40.75000

Art. 407

MANUAL CONTROL

Piston strokes are available at page 4.54

4.40.7A500

Art. 407A

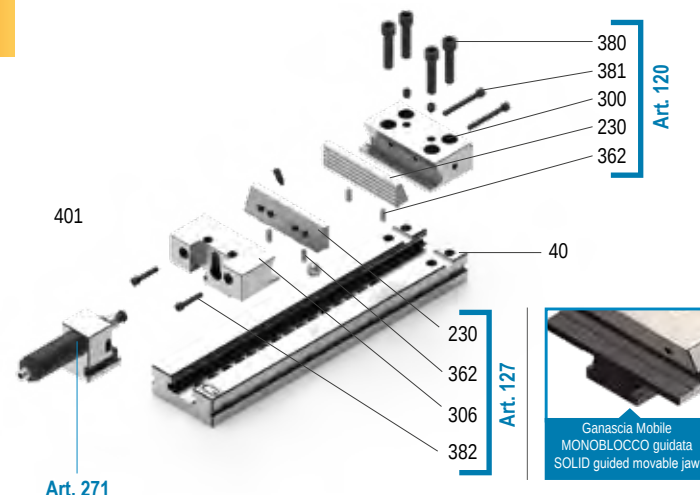
CNC CONTROL

4.40.7B500

Art. 407B

4.40.7B600

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

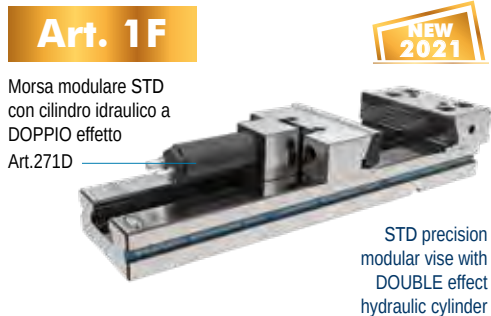
Art. 1E


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

Ganascia Mobile
MONOBLOCCO guidata
SOLID guided movable jaw

MORSE StandardMatic

Tipo (grandezza) morsa / Vise type (size)	kN	1 16 kN	2 25 kN	3 30 kN	4 30 kN	5 40 kN	6 40 kN	7 50 kN	8 60 kN
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500
	W	100	125	150	175				
	B	30	40	50	60				
	C	35	40	50	58				
	D	270	345	420	520	455	555	655	755
	G	75	95	125	145				
	X	78	103,5	98	78				
	kg	6.8	12.9	25.5	29	37	42	47	52
	Cod.	1.1F.10000	1.1F.20000	1.1F.32000	1.1F.33000	1.1F.42000	1.1F.43000	1.1F.44000	1.1F.45000



Art. 393D MAX 450bar

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



Cod. 4.39.3D450

Art. 394D MAX 450bar

Centralina a comando pneumatico remoto doppio effetto
Double effect power unit with remote pneumatic control

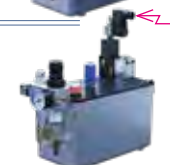


Per azionare la centralina è consigliato l'uso dell' ART.402 (vedi pag.4.52)

Cod. 4.39.4D450

Art. 395D MAX 450bar

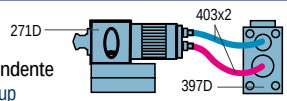
Centralina a comando elettrico doppio
Power unit with double electrical control



Cod. 4.39.5D450

Art. 407C

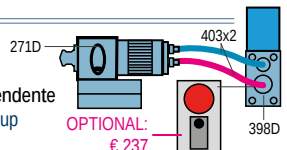
Gruppo di serraggio indipendente
Independent clamping group



MANUAL CONTROL

Art. 407D

Gruppo di serraggio indipendente
Independent clamping group



OPTIONAL:
€ 237

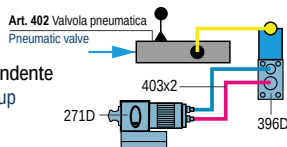
Le corse del pistone sono disponibili a pagina 4.54

Cod. 4.40.7D100 4.40.7D200 4.40.7D300 4.40.7D400

CNC CONTROL

Art. 407E

Gruppo di serraggio indipendente
Independent clamping group



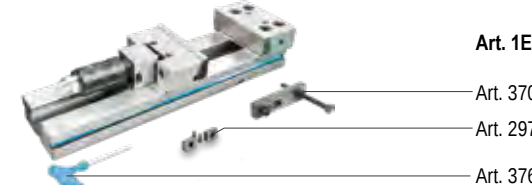
Cod. 4.40.7E100 4.40.7E200 4.40.7E300 4.40.7E400

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) - Extra per ogni chiave (tolleranza H7)



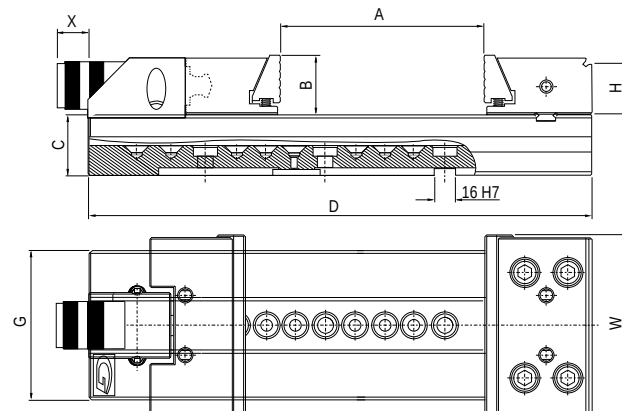
Standard equipment:

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

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



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



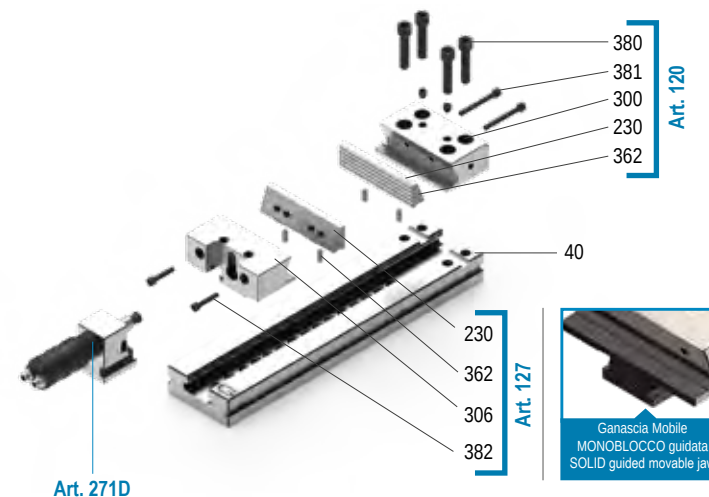
StandardMatic VISES

	5 40 kN	6 40 kN	7 50 kN	8 60 kN	9 70 kN	10 80 kN	11 90 kN	12 100 kN	13 110 kN	14 120 kN	15 130 kN	16 140 kN	17 150 kN
A	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
W			200										
B			65										
C			70										
D	495	595	695	795	895	995	1095	1195	1295	1395	1495	1595	1695
G			170										
X			64										
kg	64	69	74	79	84	89	94	99	104	109	114	119	124
Cod.	1.1F.52000	1.1F.53000	1.1F.54000	1.1F.55000	1.1F.56000	1.1F.57000	1.1F.58000	1.1F.59000	1.1F.60000	1.1F.61000	1.1F.62000	1.1F.63000	1.1F.64000

Art. 393	4.39.3D450	MANUAL CONTROL
Art. 394	4.39.4D450	AIR CONTROL
Art. 395	4.39.5D450	CNC CONTROL
Art. 407C	4.40.7C500	MANUAL CONTROL
Art. 407D	4.40.7D500	CNC CONTROL
Art. 407E	4.40.7E500	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

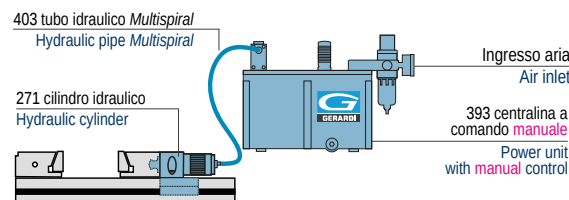
Art. 1F



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

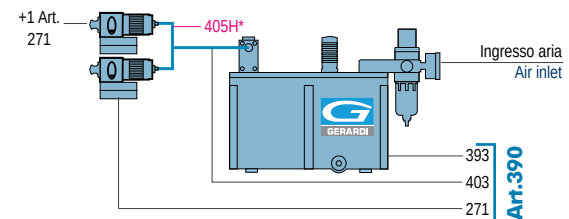
 N° 1 serraggio
 N° 1 clamping

MORSA NON COMPRESA
WISE NOT INCLUDED


Cod. 4.39.01000 4.39.02000 4.39.03000 4.39.04000 4.39.05000 4.39.06000

Art. 393 + Art. 271 + Art. 403 (m 1,5)
Art. 390/2

 N° 2 serraggi contemporanei
 N° 2 simultaneously clamping

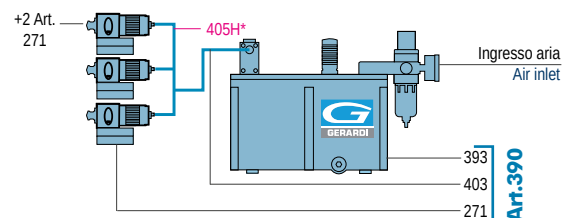
Art. 390 + n° 1 Art. 271


Cod. 4.39.01002 4.39.02002 4.39.03002 4.39.04002 4.39.05002 4.39.06002

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

Art. 390/3

 N° 3 serraggi contemporanei
 N° 3 simultaneously clamping

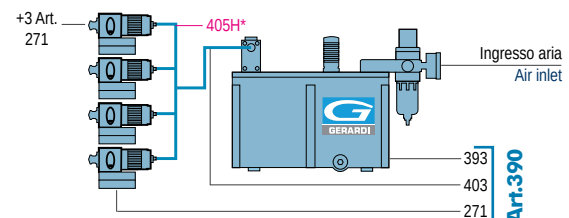
Art. 390 + n° 2 Art. 271


Cod. 4.39.01003 4.39.02003 4.39.03003 4.39.04003 4.39.05003 4.39.06003

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

Art. 390/4

 N° 4 serraggi contemporanei
 N° 4 simultaneously clamping

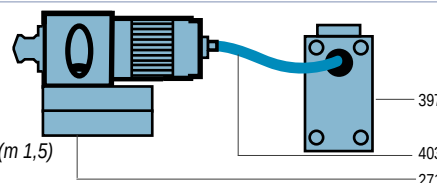
Art. 390 + n° 3 Art. 271


Cod. 4.39.01004 4.39.02004 4.39.03004 4.39.04004 4.39.05004 4.39.06004

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

Art. 407

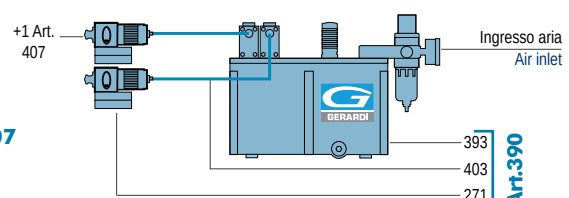
 Gruppo di serraggio indipendente
 Independent clamping group

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


Cod. 4.40.71000 4.40.72000 4.40.73000 4.40.74000 4.40.75000 4.40.76000

Possibilità di automatizzare tutte le morse STD / StandardFLEX / XL / Elementi modulari. (Esclusi Art.1E, Art.1F)
Art. 390A / 2

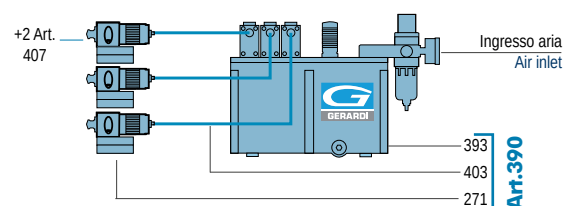
 N° 2 serraggi indipendenti
 N° 2 independent clamping

Art. 390 + n° 1 Art. 407


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

Art. 390A / 3

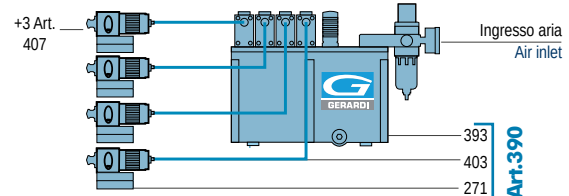
 N° 3 serraggi indipendenti
 N° 3 independent clamping

Art. 390 + n° 2 Art. 407


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

Art. 390A / 4

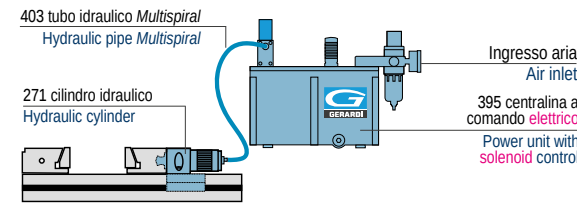
 N° 4 serraggi indipendenti
 N° 4 independent clamping

Art. 390 + n° 3 Art. 407


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

COMANDO ELETTRICO - SOLENOID CONTROL
SINGOLO EFFETTO - cnc
SINGLE EFFECT da cnc
Tipo (grandezza) morsa / Vise type (size)
1
2
3
4
5
6
Art. 391

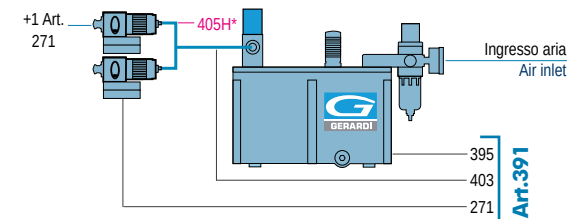
 N° 1 serraggio
 N° 1 clamping

MORSA NON COMPRESA
WISE NOT INCLUDED


Cod. 4.39.11000 4.39.12000 4.39.13000 4.39.14000 4.39.15000 4.39.16000

Art. 395 + Art. 271 + Art. 403 (m 1,5)
Art. 391 / 2

 N° 2 serraggi contemporanei
 N° 2 simultaneously clamping

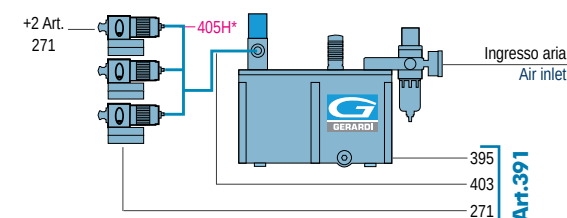
Art. 391 + n° 1 Art. 271


Cod. 4.39.11002 4.39.12002 4.39.13002 4.39.14002 4.39.15002 4.39.16002

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

Art. 391 / 3

 N° 3 serraggi contemporanei
 N° 3 simultaneously clamping

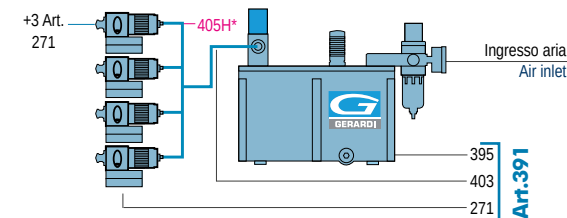
Art. 391 + n° 2 Art. 271


Cod. 4.39.11003 4.39.12003 4.39.13003 4.39.14003 4.39.15003 4.39.16003

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

Art. 391 / 4

 N° 4 serraggi contemporanei
 N° 4 simultaneously clamping

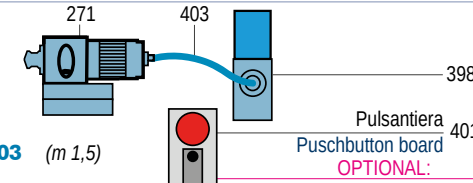
Art. 391 + n° 3 Art. 271


Cod. 4.39.11004 4.39.12004 4.39.13004 4.39.14004 4.39.15004 4.39.16004

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

Art. 407A

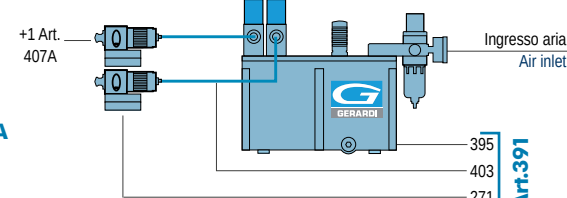
 Gruppo di serraggio indipendente
 Independent clamping group

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


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

Possibility to automate all STD / StandardFLEX / XL / Modular Element vises. (Art.1E & Art.1F except)
Art. 391A / 2

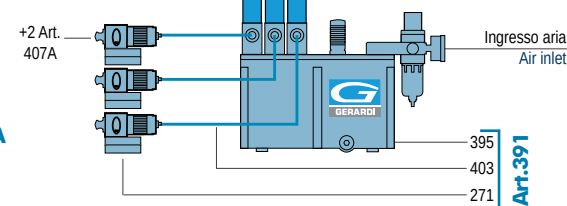
 N° 2 serraggi indipendenti
 N° 2 independent clamping

Art. 391 + n° 1 Art. 407A


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

Art. 391A / 3

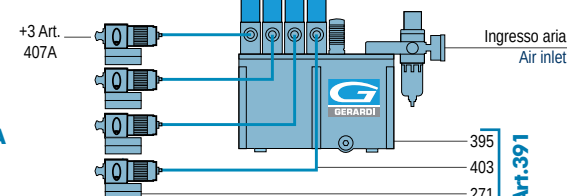
 N° 3 serraggi indipendenti
 N° 3 independent clamping

Art. 391 + n° 2 Art. 407A


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

Art. 391A / 4

 N° 4 serraggi indipendenti
 N° 4 independent clamping

Art. 391 + n° 3 Art. 407A


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

COMANDO PNEUMATICO - PNEUMATIC CONTROL

SINGOLO EFFETTO

SINGLE EFFECT

Tipo (grandezza) morsa / Vise type (size)

1

2

3

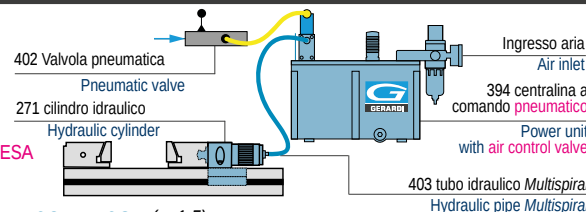
4

5

6

Art. 392

N° 1 serraggio
N° 1 clamping

MORSA NON COMPRESA
VISE NOT INCLUDED


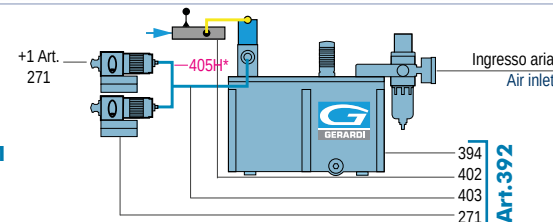
Cod. 4.39.21000 4.39.22000 4.39.23000 4.39.24000 4.39.25000 4.39.26000

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

Art. 392 / 2

N° 2 serraggi contemporanei
N° 2 simultaneously clamping

Art. 392 + n° 1 Art. 271



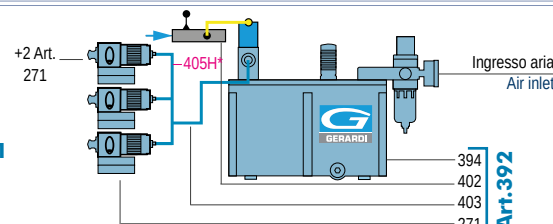
Cod. 4.39.21002 4.39.22002 4.39.23002 4.39.24002 4.39.25002 4.39.26002

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

Art. 392 / 3

N° 3 serraggi contemporanei
N° 3 simultaneously clamping

Art. 392 + n° 2 Art. 271



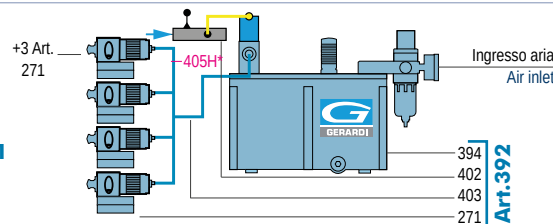
Cod. 4.39.21003 4.39.22003 4.39.23003 4.39.24003 4.39.25003 4.39.26003

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

Art. 392 / 4

N° 4 serraggi contemporanei
N° 4 simultaneously clamping

Art. 392 + n° 3 Art. 271



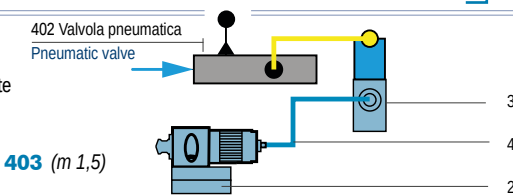
Cod. 4.39.21004 4.39.22004 4.39.23004 4.39.24004 4.39.25004 4.39.26004

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

Art. 407B

Gruppo di serraggio indipendente
Independent clamping group

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



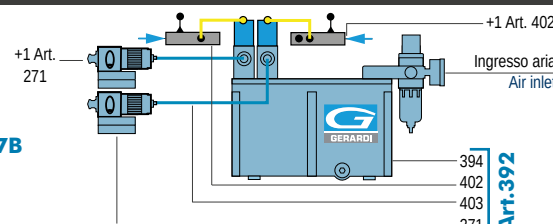
Cod. 4.40.7B100 4.40.7B200 4.40.7B300 4.40.7B400 4.40.7B500 4.40.7B600

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

Art. 392A / 2

N° 2 serraggi indipendenti
N° 2 independent clamping

Art. 392 + n° 1 Art. 407B

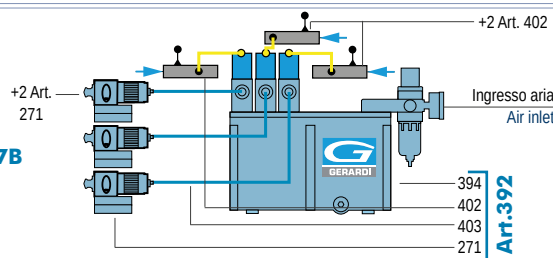


Cod. 4.39.2A102 4.39.2A202 4.39.2A302 4.39.2A402 4.39.2A502 4.39.2A602

Art. 392A / 3

N° 3 serraggi indipendenti
N° 3 independent clamping

Art. 392 + n° 2 Art. 407B

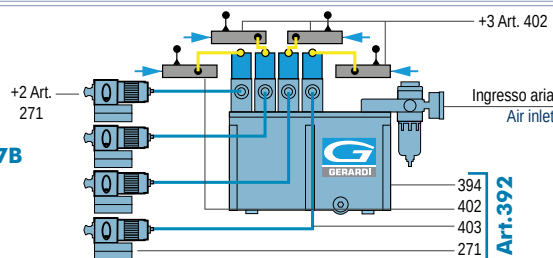


Cod. 4.39.2A103 4.39.2A203 4.39.2A303 4.39.2A403 4.39.2A503 4.39.2A603

Art. 392A / 4

N° 4 serraggi indipendenti
N° 4 independent clamping

Art. 392 + n° 3 Art. 407B



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

ACCESSORI e RICAMBI

ACCESSORIES and SPARE PARTS

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

Art. 393

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

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


Cod. 4.39.34500

Art. 397

Blocco modulare per comando manuale aggiuntivo per ogni morsa extra

Modular block for manual control for each extra vise



Cod. 4.39.70000

Art. 397B

Blocco base per comando manuale
Base block for manual control


Cod. 4.39.7B000

Art. 394

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

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


Cod. 4.39.44500

Art. 396

Blocco modulare per comando pneumatico aggiuntivo per ogni morsa extra

Modular block for pneumatic control for each extra vise



Cod. 4.39.60000

Art. 396B

Blocco base per comando pneumatico
Base block for pneumatic control


Cod. 4.39.6B000

Art. 395

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

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


Cod. 4.39.54500

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

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

Cod. 4.39.80000

Art. 398B

Blocco base per comando elettrico
Base block for electric control

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

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

Cod. 4.39.8B000

COMANDO 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

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

* 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

* 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

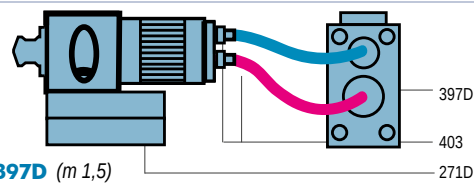
Cod. 4.39.0B104 4.39.0B204 4.39.0B304 4.39.0B404 4.39.0B504 4.39.0B604

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

Art. 407C

Gruppo di serraggio indipendente
Independent clamping group

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



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

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

Art. 390C / 2

N° 2 serraggi indipendenti
N° 2 independent clamping

Art. 390B + n° 1 Art. 407C

+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

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

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

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

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

* 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

* 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

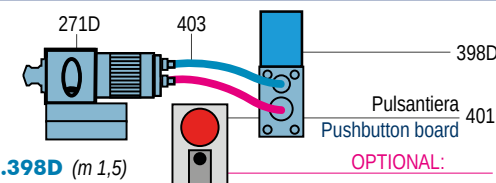
Cod. 4.39.1B104 4.39.1B204 4.39.1B304 4.39.1B404 4.39.1B504 4.39.1B604

* 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

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

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

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

COMANDO PNEUMATICO - PNEUMATIC CONTROL

DOPPIO EFFETTO

DOUBLE EFFECT

Tipo (grandezza) morsa / Vise type (size)

1

2

3

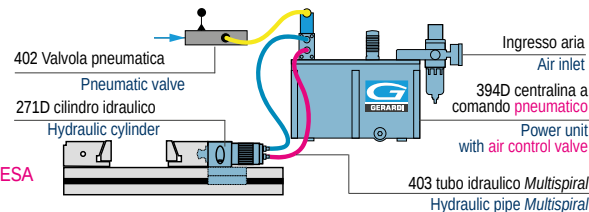
4

5

6

Art. 392B

N° 1 serraggio
N° 1 clamping



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

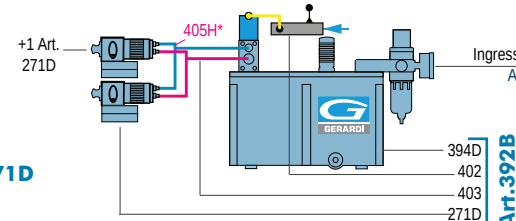
* Non incluso (Pag. 4.52) / Not included (Pag. 4.52)

MORSA NON COMPRESA
VISE NOT INCLUDED

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

Art. 392B / 2

N° 2 serraggi contemporanei
N° 2 simultaneously clamping



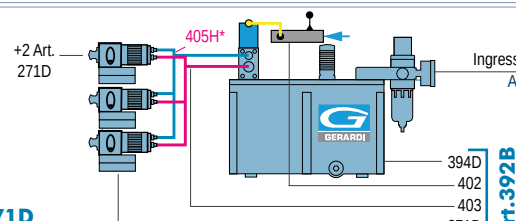
Cod. 4.39.2B102 4.39.2B202 4.39.2B302 4.39.2B402 4.39.2B502 4.39.2B602

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

Art. 392B + n° 1 Art.271D

Art. 392B / 3

N° 3 serraggi contemporanei
N° 3 simultaneously clamping



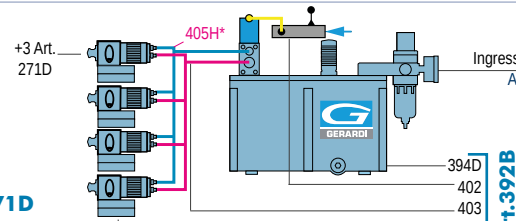
Cod. 4.39.2B103 4.39.2B203 4.39.2B303 4.39.2B403 4.39.2B503 4.39.2B603

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

Art. 392B + n° 2 Art.271D

Art. 392B / 4

N° 4 serraggi contemporanei
N° 4 simultaneously clamping



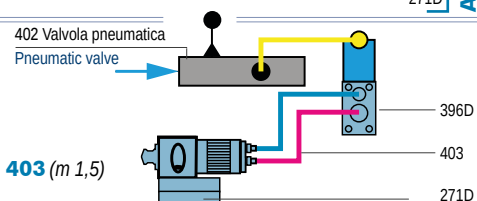
Cod. 4.39.2B104 4.39.2B204 4.39.2B304 4.39.2B404 4.39.2B504 4.39.2B604

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

Art. 392B + n° 3 Art.271D

Art. 407E

Gruppo di serraggio indipendente
Independent clamping group



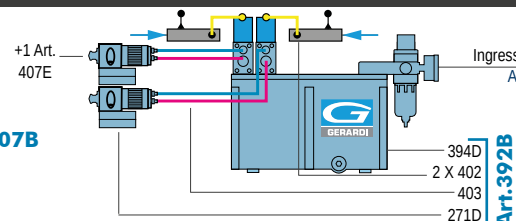
Cod. 4.40.7E100 4.40.7E200 4.40.7E300 4.40.7E400 4.40.7E500 4.40.7E600

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

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

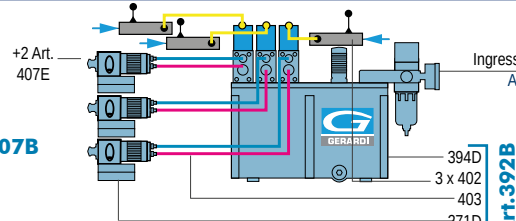


Cod. 4.39.2C102 4.39.2C202 4.39.2C302 4.39.2C402 4.39.2C502 4.39.2C602

Art. 392B + n° 1 Art. 407B

Art. 392C / 3

N° 3 serraggi indipendenti
N° 3 independent clamping

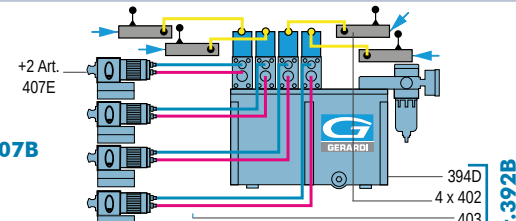


Cod. 4.39.2C103 4.39.2C203 4.39.2C303 4.39.2C403 4.39.2C503 4.39.2C603

Art. 392B + n° 2 Art. 407B

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

Art. 392B + n° 3 Art. 407B

ACCESSORI e RICAMBI

ACCESSORIES and SPARE PARTS

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

Art. 393D

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

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



Cod. 4.39.3D450

Art. 397D

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

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



Cod. 4.39.7D000

Art. 397C

Blocco base per comando **manuale**
Base block for **manual** control

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



Cod. 4.39.7C000

Art. 394D

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

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



Cod. 4.39.4D450

Art. 396D

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



Cod. 4.39.6D000

Art. 396C

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



Cod. 4.39.6C000

Art. 395D

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

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



Cod. 4.39.5D450

Art. 398D

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



Cod. 4.39.8D000

Art. 398C

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



Cod. 4.39.8C000

ACCESSORI e RICAMBI

ACCESSORIES and SPARE PARTS

Art. 399

Gruppo filtro riduttore più lubrificatore

Compressed air preparation unit



Cod.	4.39.90000

Art. 400

Pedale bistabile

Two positions foot pedal



Cod.	4.40.00000

Art. 401

Pulsantiera per 1 azionamento

Puschbutton board for one control operation



Cod.	4.40.10000

Art. 402

Valvola pneumatica frontale, 2 vie

Frontal pneumatic valve, 2 ways



Cod.	4.40.20000

Art. 402/90

Distributore leva angolare a 90°, 3 vie

90° angular valve, 3 ways



Cod.	9.40.29000

Art. 405H

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

Coduttura Tubolare in acciaio zincato (m 1,0)

Suitable galvanized steel pipe (m 1,0)



Ø	6
Cod.	4.40.5H000

Art. 403

Per ogni metro extra / For each extra meter: € 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
€	162

Con le centraline a DOPPIO EFFETTO l'attacco rapido NON è incluso

With DOUBLE EFFECT power unit the quick connection is NOT icluded

Art. 404

Manometro 400bar

Oil pressure gauge 400bar



Cod.	4.40.40000

ACCESSORI e RICAMBI

ACCESSORIES and SPARE PARTS

Art. 270A

Attacco idraulico rapido femmina

Quick hydraulic female connection



Cod.	4.27.0A000

Art. 270B

Innesto idraulico rapido maschio

Quick hydraulic male connection



Cod.	4.27.0B000

Art. ID03

Raccordo idraulico a "L" maschio cilindrico Ø6 - 1/4" Gas

"L" hydraulic male parallel adaptor Ø6 - 1/4" Gas



Cod.	9.ID.03000

Art. ID04

Raccordo idraulico a "T" centrale maschio cilindrico Ø6 - 1/4" Gas

"T" hydraulic male parallel adaptor Ø6 - 1/4" Gas



Cod.	9.ID.04000

Art. ID05

Riduzione idraulica Ø6 -1/4" Gas

Hydraulic straight male adaptor Ø6 - 1/4" Gas



Cod.	9.ID.05000

Art. 505

Pressostato 400bar

Pressure switch 400bar



Cod.	0.50.50000

Art. 272A

Indicatore di forza kN

Force indicator kN

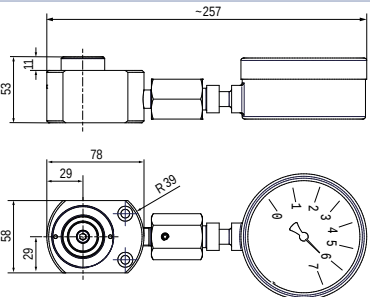


Cod.	4.27.2A600

Art. 272

Cella di carico completa per controllo forza di bloccaggio delle morse

Complete loading cells to check vise clamping force



Bar	Max 700
kN	Max 111,3
Cod.	4.27.26000

SERVOCOMANDI OLEODINAMICI / HYDRAULIC SERVO UNITS

Tipo (grandezza) morsa / Vise type (size)	1	2	3	4	5	6
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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
Corsa Stroke	32	26			40	

Art. 271D

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

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

Art. 283A

Supporto di serraggio per cilindro idraulico
Clamping support for hydraulic cylinder



Cod.	2.28.3A100	2.28.3A200	2.28.3A300	2.28.3A400	2.28.3A500	2.28.3A600
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Art. 285

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



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

Art. 569

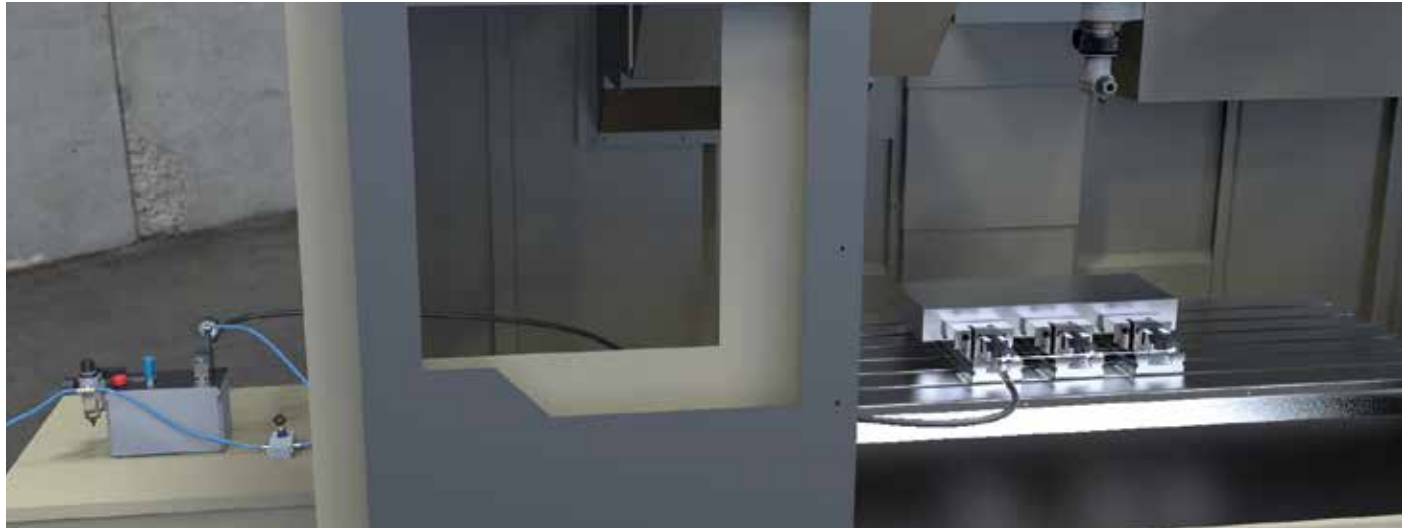
Cilindro idraulico a doppio effetto.
Apertura e chiusura idrauliche
Hydraulic cylinder double acting.
Hydraulic opening and clamping



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

Specifico per sistemi robotizzati - Specific for robotic applications

Esempi di applicazione / Typical arrangements

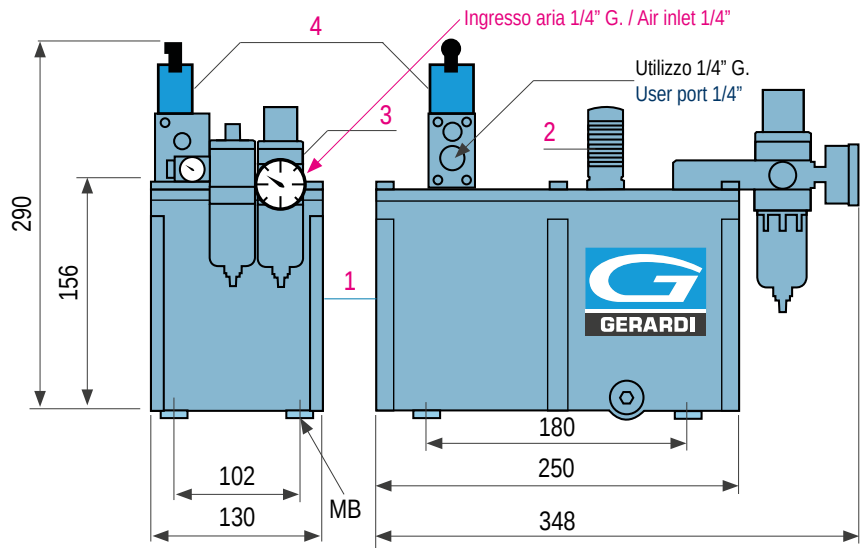


Morse Modulari di Precisione accoppiabili ed allineabili per serraggi multipli Pneumoidraulici (Serie StandardMatic)
Precision Modular vises matchable for gang operations and pneumohydraulic clamping (StandardMatic series)

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

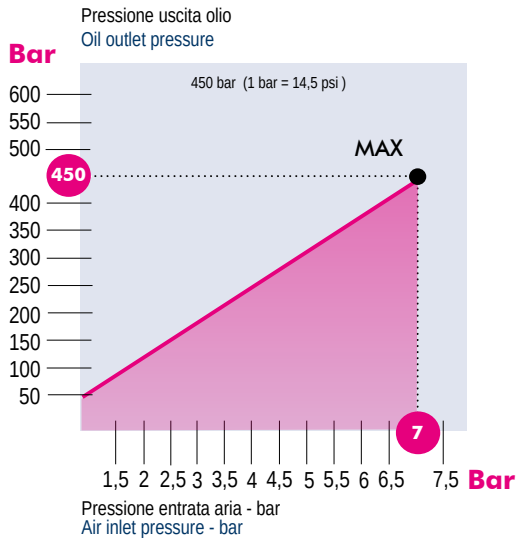
Pressione massima aria: Max permissible air pressure:	7 bar
Pressione aria consigliata: Recommended air pressure:	5,5 bar
Tipo di olio raccomandato: idraulico Recommended grade of oil: hydraulic	68 CSt
Portata Deliveries	0,9 l / min
Capacità serbatoio Tank capacity	3 l
Delta massimo su pilotaggi elettrici: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

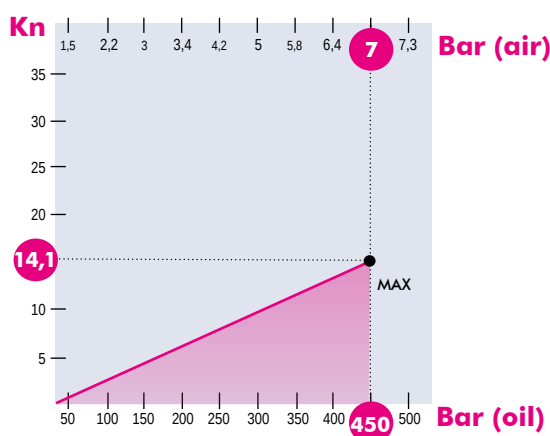
Diagrammi di serraggio pneumoidraulici ed elettroidraulici

Diagram pneumo-hydraulic and electro-hydraulic clamping

Morse tipo Vises type

1

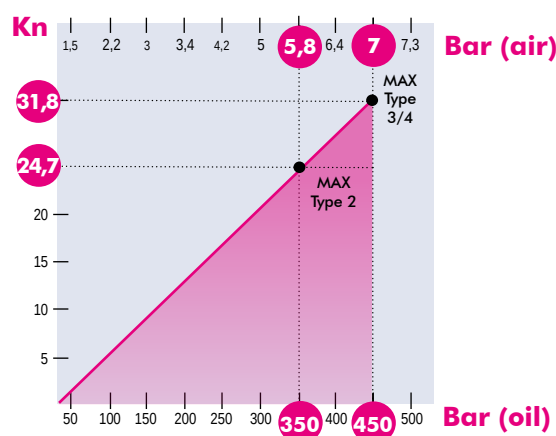
Cilindro idraulico Art. 285 - 569 Ø interno 20 mm - Superficie efficace 3,14 cm²
Hydraulic cylinder Art. 285 - 569 Cylinder I.D. 20 mm - Effective area 3,14 cm²



Morse tipo Vises type

2-3-4

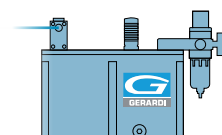
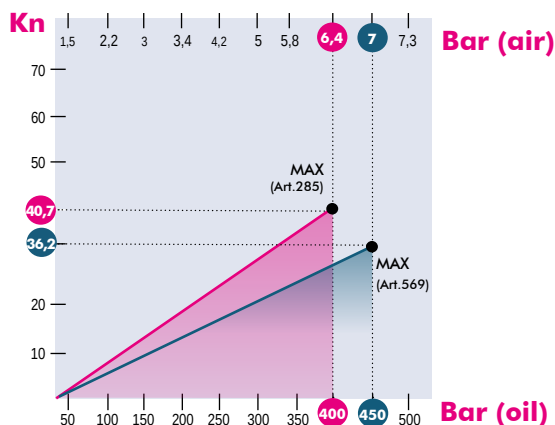
Cilindro idraulico Art. 285 - 569 Ø interno 30 mm - Superficie efficace 7,07 cm²
Hydraulic cylinder Art. 285 - 569 Cylinder I.D. 30 mm - Effective area 7,07 cm²



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.