

RICAMBI E ACCESSORI

SPARE PARTS, ACCESSORIES



La forza della qualità !

CENTRALINA OLEOPNEUMATICA PER BLOCCAGGI IDRAULICI

The strength of quality !

HYDROPNEUMATIC POWER UNIT FOR HYDRAULIC CLAMPING DEVICES

Art. 394

Pag. 4.29

Centralina a comando pneumatico
con mantenimento e ripristino automatico
della pressione desiderata

Power unit
with *pneumatic control*.
Automatic retention
and reset of desired pressure



Art. 395

Pag. 4.29

Centralina a comando elettrico
con mantenimento e ripristino automatico
della pressione desiderata

Power unit
with *electrical control*.
Automatic retention and reset of desired pressure

4 RICAMBI E ACCESSORI SPARE PARTS, ACCESSORIES

Pagg. 4.1 - 4.34

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 500 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.

ACCESSORI

Paralleli, staffe, tasselli di posizionamento, arresto laterale, chiavi di bloccaggio, celle di carico.

CARATTERISTICHE TECNICHE:

- MODULARITÀ
- PRECISIONI
- USURA INESISTENTE
- RAPIDITA' BLOCCAGGI
- SICUREZZA + RIGIDITA'
- VERSATILITA'
- DESIGN COMPATTO E MANEGGEVOLEZZA

Si rimanda a quanto esposto nel gruppo 1.

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.

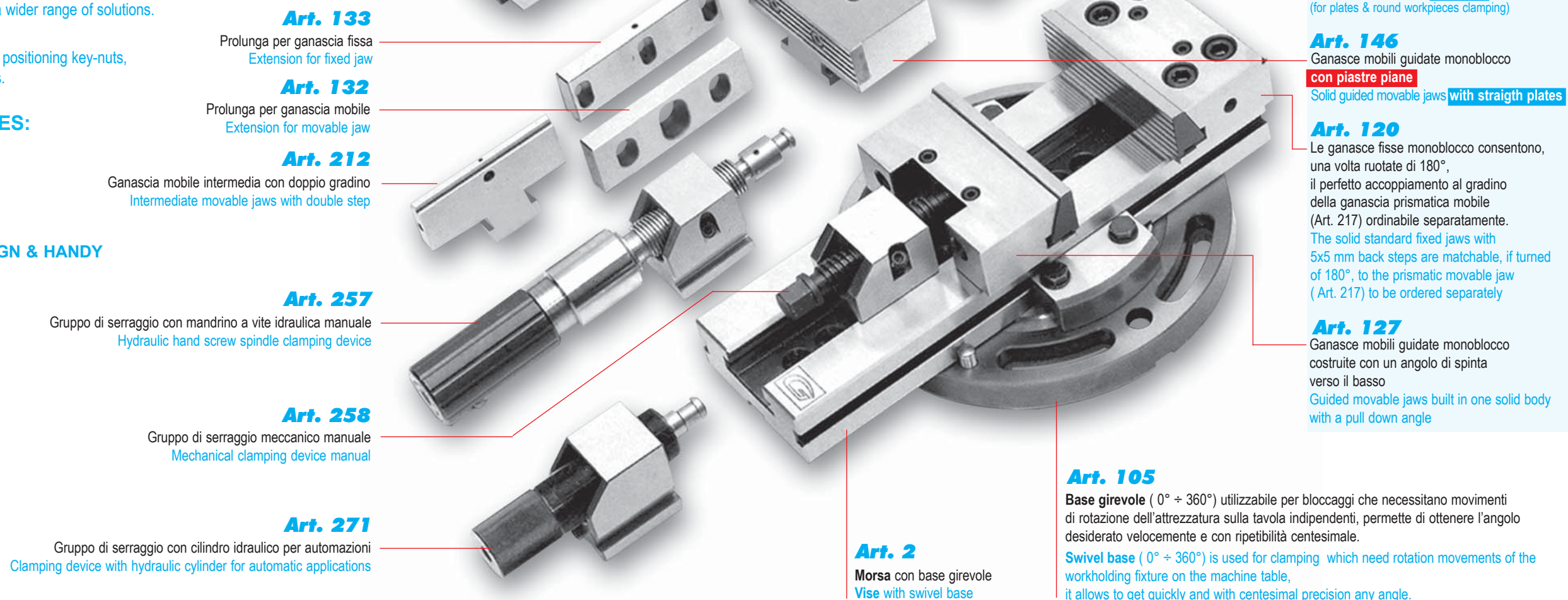
ACCESSORIES

Parallel plates, vise holding jaws, positioning key-nuts, workstop, wrenches, loading cells.

TECHNICAL FEATURES:

- MODULARITY
- HIGHEST PRECISION
- NO WEAR
- QUICK CLAMPING
- SAFETY + RIGIDITY
- VERSATILITY
- SPACE SAVING DESIGN & HANDY

See what explained in group 1.



Art. 133

Prolunga per ganascia fissa
Extension for fixed jaw

Art. 132

Prolunga per ganascia mobile
Extension for movable jaw

Art. 212

Ganascia mobile intermedia con doppio gradino
Intermediate movable jaws with double step

Art. 257

Gruppo di serraggio con mandrino a vite idraulica manuale
Hydraulic hand screw spindle clamping device

Art. 258

Gruppo di serraggio meccanico manuale
Mechanical clamping device manual

Art. 271

Gruppo di serraggio con cilindro idraulico per automazioni
Clamping device with hydraulic cylinder for automatic applications

Art. 2

Morsa con base girevole
Vise with swivel base

Art. 131

Ganasce a squadra sovrapponibili per serraggio di particolari tondi in **orizzontale**
Stack type jaws fixed or movable for round workpieces **horizontal** clamping

Art. 138

Ganasce a squadra sovrapponibili fisse o mobili
Square stack-type jaws fixed or movable

Art. 150

Ganasce a squadra sovrapponibili per serraggio di particolari tondi in **verticale**
Stack type jaws fixed or movable for round workpiece **vertical** clamping

Art. 210

Ganasce mobili guidate monoblocco per pezzi tondi
Solid guided movable jaws for round workpieces

Art. 190 + 4 Art. 570

Ganasce mobili guidate monoblocco con puntali meccanici regolabili
Solid guided movable jaws with adjustables set screws

Art. 188

Ganasce mobili guidate monoblocco oleodinamiche
Hydraulic control 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. 146

Ganasce mobili guidate monoblocco con piastre piane
Solid guided movable jaws with straight plates

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

Art. 105

Base girevole (0° ÷ 360°) utilizzabile per bloccaggi che necessitano movimenti di rotazione dell'attrezzatura sulla tavola indipendenti, permette di ottenere l'angolo desiderato velocemente e con ripetibilità centesimale.

Swivel base (0° ÷ 360°) is used for clamping which need rotation movements of the workholding fixture on the machine table, it allows to get quickly and with centesimal precision any angle.



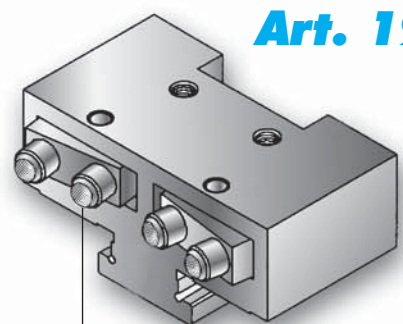
COMPONENTI OPZIONALI, RICAMBI, ACCESSORI
PER MORSE "XL", "STD" ed ELEMENTI MODULARI

OPTIONAL EQUIPMENT, SPARE PART, ACCESSORIES
FOR "XL" & "STD" VISES and MODULAR ELEMENTS



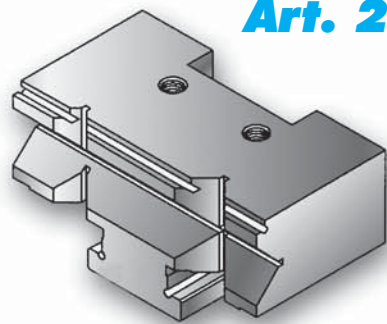
GANASCE
MORSE SERIE "STD" e "XL"

JAWS
"STD" and "XL" SERIES VISES

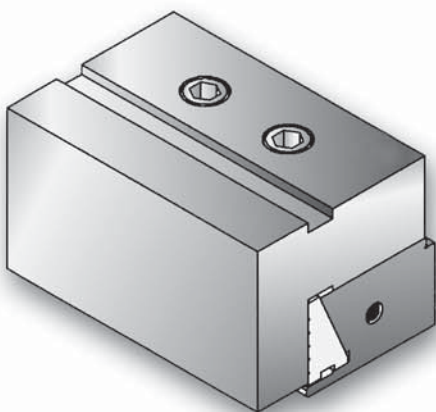


Art. 190

PUNTALE SFERICO EXTRA
SPHERICAL POINT EXTRA

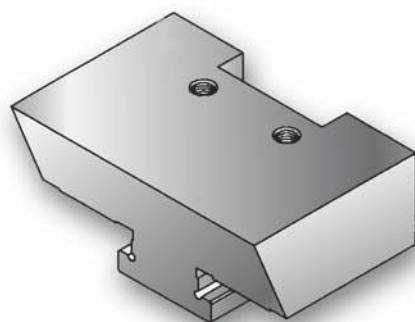
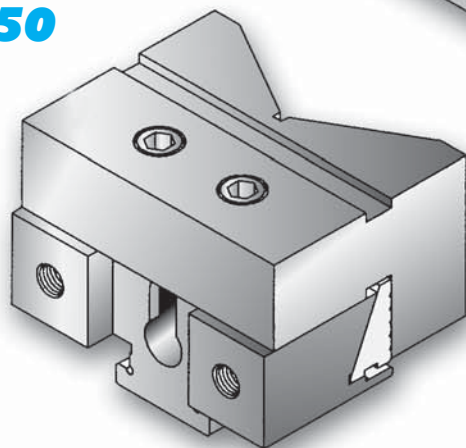


Art. 217

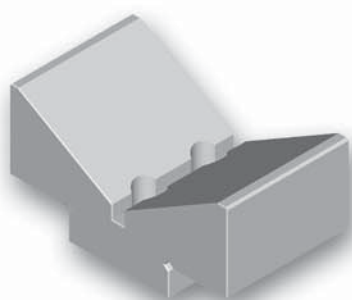


Art. 138

Art. 150

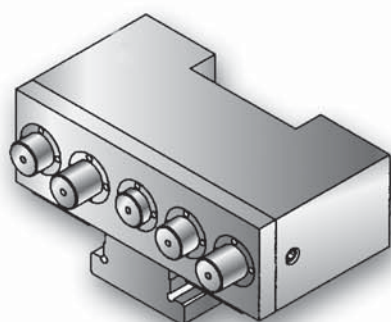


Art. 210

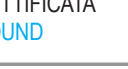
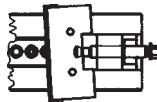
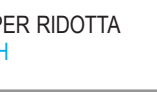
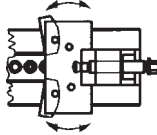


Art. 152

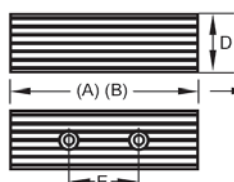
INSERTO PRISMATICO
PRISMATIC INSERT



Art. 188

TIPO (GRANDEZZA) MORSA		VISE TYPE (SIZE)		1	2	3	4	5	6
GANASCE STANDARD									
STANDARD JAWS									
Art. 120		COD.	2.12.01000	2.12.02000	2.12.03000	2.12.04000	2.12.05000	2.12.06000	
		€	115	146	175	206	294	454	
Art. 121		COD.	2.12.11000	2.12.12000	2.12.13000	2.12.14000	2.12.15000	2.12.16000	
		€	149	189	227	267	381	590	
Art. 123		COD.	2.12.31000	2.12.32000	2.12.33000	2.12.34000	2.12.35000	2.12.36000	
		€	155	214	260	305	454	679	
Art. 124		COD.	2.12.41000	2.12.42000	2.12.43000	2.12.44000	2.12.45000	2.12.46000	
		€	200	279	339	397	590	882	
Art. 127		COD.	2.12.71000	2.12.72000	2.12.73000	2.12.74000	2.12.75000	2.12.76000	
		€	115	146	175	206	294	454	
Art. 129		COD.	2.12.91000	2.12.92000	2.12.93000	2.12.94000	2.12.95000	2.12.96000	
		€	115	146	175	206	294	454	
Art. 126		COD.	2.12.61000	2.12.62000	2.12.63000	2.12.64000	2.12.65000	2.12.66000	
		€	115	146	175	206	294	454	
Art. 128		COD.	2.12.81000	2.12.82000	2.12.83000	2.12.84000	2.12.85000	2.12.86000	
		€	115	146	175	206	294	454	
Art. 190		COD.	2.19.01000	2.19.02000	2.19.03000	2.19.04000	2.19.05000	2.19.06000	
		€	165	262	322	381	551	801	
Art. 191		COD.	2.19.11000	2.19.12000	2.19.13000	2.19.14000	2.19.15000	2.19.16000	
		€	165	262	322	381	551	801	

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
RICAMBI PER GANASCE STANDARD						
SPARES FOR STANDARD JAWS						
(A) mm	100	125	150	175	200	300
(B) mm	74	94	124	144	169	194
C mm	14	20	24	24	30	35
D mm	24,5	32	40	40	53	63
E mm	20	32	50	50	75	90



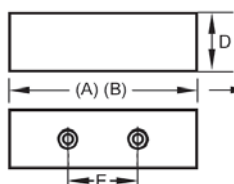
PIASTRE RIGATE
GROOVED JAW PLATES

dotazione normale delle ganasce e delle morse complete
standard equipment on complete jaws and vises

SOLO PER GANASCE FISSE DOPPIE
FOR DOUBLE FIXED JAWS ONLY

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

Art. 230 PER GANASCIA FISSA E MOBILE - Art. 120, 127 126 - LARGHEZZA NORMALE (A) FOR FIXED AND MOVABLE JAW - Art. 120, 127, 126 - NORMAL WIDTH (A)	COD.	1.65.10000	1.65.20000	1.65.30000	1.65.40000	1.65.50000	1.65.60000
	€	45	50	60	75	105	140
Art. 231 PER GANASCIA FISSA E MOBILE - Art. 121, 128, 129 - LARGHEZZA SUPER RIDOTTA (B) FOR FIXED AND MOVABLE JAW - Art. 121, 128, 129 - SUPER NARROW WIDTH (B)	COD.	1.65.11000	1.65.21000	1.65.31000	1.65.41000	1.65.51000	1.65.61000
	€	45	50	60	75	105	140
Art. 248 PER GANASCIA FISSA DOPPIA - Art. 123 - LARGHEZZA NORMALE (A) FOR DOUBLE FIXED JAW - Art. 123 - NORMAL WIDTH (A)	COD.	1.65.14000	1.65.24000	1.65.34000	1.65.44000	1.65.54000	1.65.64000
	€	45	50	60	75	105	140
Art. 249 PER GANASCIA FISSA DOPPIA - Art. 124 - LARGHEZZA SUPER RIDOTTA (B) FOR DOUBLE FIXED JAW - Art. 124 - SUPER NARROW WIDTH (B)	COD.	1.65.15000	1.65.25000	1.65.35000	1.65.45000	1.65.55000	1.65.65000
	€	45	50	60	75	105	140



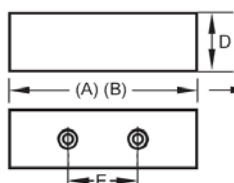
PIASTRE LISCE TEMPERATE
HARDENED SMOOTH JAW PLATES

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

SOLO PER GANASCE FISSE DOPPIE
FOR DOUBLE FIXED JAWS ONLY

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

Art. 232 PER GANASCIA FISSA E MOBILE - Art. 120, 127 126 - LARGHEZZA NORMALE (A) FOR FIXED AND MOVABLE JAW - Art. 120, 127, 126 - NORMAL WIDTH (A)	COD.	1.65.10100	1.65.20100	1.65.30100	1.65.40100	1.65.50100	1.65.60100
	€	45	50	60	75	105	140
Art. 233 PER GANASCIA FISSA E MOBILE - Art. 121, 128, 129 - LARGHEZZA SUPER RIDOTTA (B) FOR FIXED AND MOVABLE JAW - Art. 121, 128, 129 - SUPER NARROW WIDTH (B)	COD.	1.65.11100	1.65.21100	1.65.31100	1.65.41100	1.65.51100	1.65.61100
	€	45	50	60	75	105	140
Art. 250 PER GANASCIA FISSA DOPPIA - Art. 123 - LARGHEZZA NORMALE (A) FOR DOUBLE FIXED JAW - Art. 123 - NORMAL WIDTH (A)	COD.	1.65.14100	1.65.24100	1.65.34100	1.65.44100	1.65.54100	1.65.64100
	€	45	50	60	75	105	140
Art. 251 PER GANASCIA FISSA DOPPIA - Art. 124 - LARGHEZZA SUPER RIDOTTA (B) FOR DOUBLE FIXED JAW - Art. 124 - SUPER NARROW WIDTH (B)	COD.	1.65.15100	1.65.25100	1.65.35100	1.65.45100	1.65.55100	1.65.65100
	€	45	50	60	75	105	140



PIASTRE IN ACCIAIO LAVORABILE (dolce)
MACHINEABLE STEEL JAW PLATES (soft HRC)

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

SOLO PER GANASCE FISSE DOPPIE
FOR DOUBLE FIXED JAWS ONLY

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

Art. 234 PER GANASCIA FISSA E MOBILE - Art. 120, 127 126 - LARGHEZZA NORMALE (A) FOR FIXED AND MOVABLE JAW - Art. 120, 127, 126 - NORMAL WIDTH (A)	COD.	1.65.10200	1.65.20200	1.65.30200	1.65.40200	1.65.50200	1.65.60200
	€	45	50	60	75	105	140
Art. 235 PER GANASCIA FISSA E MOBILE - Art. 121, 128, 129 - LARGHEZZA SUPER RIDOTTA (B) FOR FIXED AND MOVABLE JAW - Art. 121, 128, 129 - SUPER NARROW WIDTH (B)	COD.	1.65.11200	1.65.21200	1.65.31200	1.65.41200	1.65.51200	1.65.61200
	€	45	50	60	75	105	140
Art. 252 PER GANASCIA FISSA DOPPIA - Art. 123 - LARGHEZZA NORMALE (A) FOR DOUBLE FIXED JAW - Art. 123 - NORMAL WIDTH (A)	COD.	1.65.14200	1.65.24200	1.65.34200	1.65.44200	1.65.54200	1.65.64200
	€	45	50	60	75	105	140
Art. 253 PER GANASCIA FISSA DOPPIA - Art. 124 - LARGHEZZA SUPER RIDOTTA (B) FOR DOUBLE FIXED JAW - Art. 124 - SUPER NARROW WIDTH (B)	COD.	1.65.15200	1.65.25200	1.65.35200	1.65.45200	1.65.55200	1.65.65200
	€	45	50	60	75	105	140

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
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ACCESSORI E PARTI STACCATE PER GANASCE

ACCESSORIES AND LOOSE PARTS FOR JAWS

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
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€	81	87	95	101	117	130
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Art. 135

PROLUNGA PER GANASCIA FISSA - RIDOTTA E SUPER RIDOTTA
 EXTENSION FOR FIXED JAW - NARROW AND SUPER NARROW

COD.	2.13.51000	2.13.52000	2.13.53000	2.13.54000	2.13.55000	2.13.56000
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€	81	87	95	101	117	130
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Art. 132

PROLUNGA PER GANASCIA MOBILE - LARGHEZZA NORMALE
 EXTENSION FOR MOVABLE JAW - NORMAL WIDTH



COD.	2.13.21000	2.13.22000	2.13.23000	2.13.24000	2.13.25000	2.13.26000
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€	67	73	81	88	101	117
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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
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€	67	73	81	88	101	117
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Art. 255

PATTINO PER GANASCE MOBILI
 SLIDING PLATE FOR MOVABLE JAWS



COD.	2.25.51000	2.25.52000	2.25.53000	2.25.54000	2.25.55000	2.25.56000
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€	23	28	33	33	40	40
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Art. 256

PATTINO A GRADINO PER GANASCE MOBILI
 STEP SLIDING-PLATE FOR MOVABLE JAWS



COD.	2.25.61000	2.25.62000	2.25.63000	2.25.64000	2.25.65000	2.25.66000
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€	45	57	71	71	82	82
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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
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€	38	43	43	57	82	88
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Art. 362

MOLLA PER PIASTRE GANASCE
 SPRING FOR JAW PLATES



COD.	0.70.10000	0.70.20000	0.70.30000	0.70.40000	0.70.50000	0.70.60000
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€	7	7	7	7	7	7
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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
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€	5	5	6	6	8	8
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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
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€	4	4	4	4	5	5
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Art. 382

VITE TCEI FISSAGGIO PIASTRA GANASCIA MOBILE
 HEX SOCKET AND CREW FOR MOVABLE JAW PLATE

COD.	0.01.10525	0.01.10830	0.01.10840	0.01.10845	0.01.11050	0.01.11065
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€	4	4	4	4	5	5
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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
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€	4	4	4	4	5	5
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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
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€	4	4	4	4	5	5
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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
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€	4	4	4	4	5	5
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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
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€	4	4	4	4	5	5
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Art. 565

PATTINO PER GANASCE MOBILI INTERMEDIE
 SLIDING PLATE FOR INTERMEDIATE MOVABLE JAWS



COD.	1.56.51000	1.56.52000	1.56.53000	1.56.54000	1.56.55000	1.56.56000
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€	23	28	33	33	40	40
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Art. 570

PUNTALE SFERICO
 SPHERICAL POINT



COD.	1.57.01000	1.57.02000	1.57.03000	1.57.04000	1.57.05000	1.57.06000
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€	45	45	52	52	60	60
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QUICK MODULAR PARALLELS PLATES

"STD" and "XL" SERIES VISES

PARALLELE MODULARI AD INNESTO RAPIDO

LE PIASTRE D'APPOGGIO MODULARI PARALLELE SONO UNA ULTERIORE OPPORTUNITA' DEL SISTEMA MODULARE GERARDI. ESSO CONSENTE INFATTI IL POSIZIONAMENTO RAPIDO E PRECISO DI PARALLELE PIANE O ANGOLARI PER LA LAVORAZIONE DI PEZZI PIATTI DA FORARE E/O FILETTARE.

VANTAGGI:

RAPIDITA' E PRECISIONE DI INSTALLAZIONE.

RISPARMIO RISPETTO ALLA SOSTITUZIONE DELLA GANASCIA INTERA.

MINORI INGOMBRI E COSTI RISPETTO ALLE PARALLELE STANDARD.

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

MODULAR BEARINGS PARALLELS QUICK POSITIONING

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 POSITIONNING THE FIXTURE AGAIN.

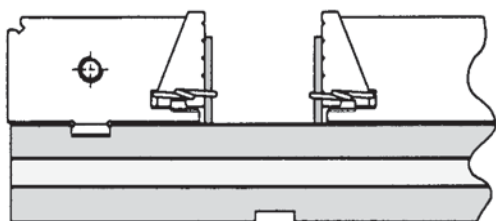
ADVANTAGES:

QUICK AND ACCURATE POSITIONING.

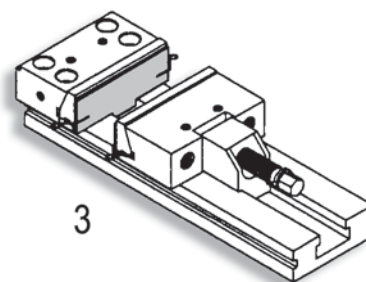
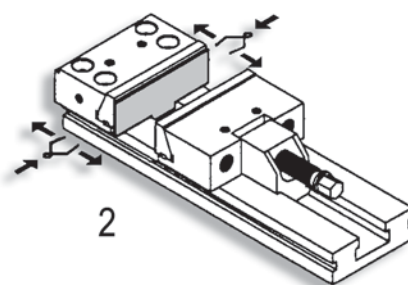
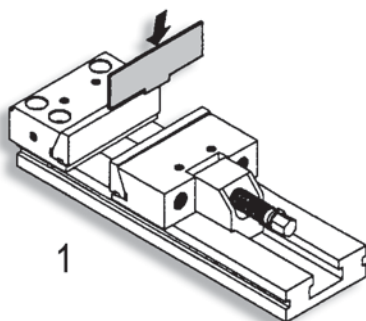
SAVING WITH RESPECT TO THE SUBSTITUTION OF THE WHOLE JAW.

SPACE AND MONEY SAVING WITH RESPECT TO THE STANDARD PARALLEL PLATES ART.295.

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

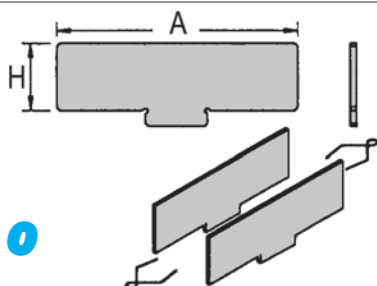

Art. 326

4

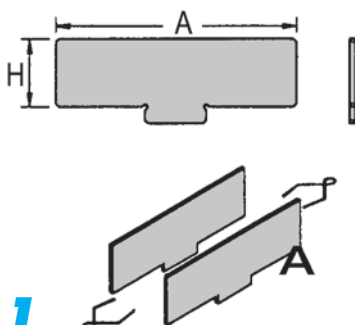


TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

1 2 3 4 5 6

SET DI 6 COPPIE DI PIASTRE PARALLELE PIANE
SET OF 6 PAIRS OF STRAIGHT PARALLELS PLATES

Art. 310

A	100	125	150	175	200	300
H	10	10	20	20	20	20
	12	15	25	30	30	30
	15	20	30	40	40	40
	18	25	35	45	50	50
	20	30	40	50	55	60
	25	35	45	55	60	70
COD.	4.31.01000	4.31.02000	4.31.03000	4.31.04000	4.31.05000	4.31.06000
€	204	257	311	369	411	475

SET DI 10 COPPIE DI PIASTRE PARALLELE PIANE
SET OF 10 PAIRS OF STRAIGHT PARALLELS PLATES

Art. 311

A	100	125	150	175	200	300
H	8	10	12	15	20	20
	10	12	15	20	25	25
	12	15	20	25	30	30
	14	20	25	30	35	35
	15	25	30	35	40	40
	18	28	35	40	45	45
	20	30	40	45	50	50
	22	33	43	50	55	55
	25	35	45	53	57	60
	27	37	47	55	60	70
COD.	4.31.11000	4.31.12000	4.31.13000	4.31.14000	4.31.15000	4.31.16000
€	321	396	449	529	581	689

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

1 2 3 4 5 6

Art. 326



COD.

4.32.61000

4.32.65000

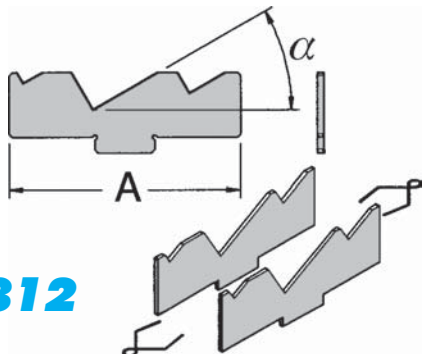
€

3

3

SET DI 6 COPPIE DI PIASTRE PARALLELE ANGOLARI

SET OF 6 PAIRS OF ANGULAR PARALLELS PLATES

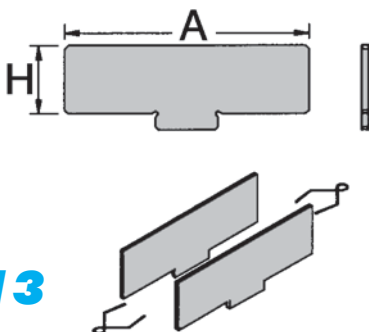


Art. 312

A	100	125	150	175	200	300
α	20°					
	25°					
	30°					
	35°					
	40°					
	45°					
COD.	4.31.21000	4.31.22000	4.31.23000	4.31.24000	4.31.25000	4.31.26000
€	454	507	576	635	741	901

COPPIA DI PIASTRE PARALLELE PIANE

PAIR OF STRAIGHT PARALLELS PLATES

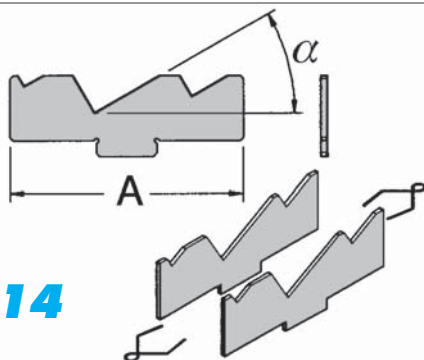


Art. 313

A	100	125	150	175	200	300
H	8	10	12	15	20	
	10	12	15	20	25	
	12	15	20	25	30	
	14	20	25	30	35	
	15	25	30	35	40	
	18	28	35	40	45	
	20	30	40	45	50	
	22	33	43	50	55	
	25	35	45	53	57	60
	27	37	47	55	60	70
COD.	4.31.31000	4.31.32000	4.31.33000	4.31.34000	4.31.35000	4.31.36000
€	50	65	82	97	109	124

COPPIA DI PIASTRE PARALLELE ANGOLARI

PAIR OF ANGULAR PARALLELS PLATES

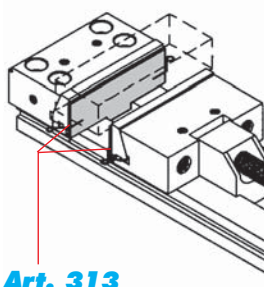


Art. 314

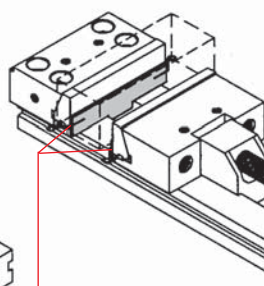
A	100	125	150	175	200	300
α	20°					
	25°					
	30°					
	35°					
	40°					
	45°					
COD.	4.31.41000	4.31.42000	4.31.43000	4.31.44000	4.31.45000	4.31.46000
€	97	119	151	183	204	247

ESEMPI DI COMBINAZIONI

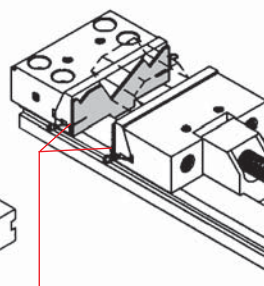
TYPICAL ARRANGEMENTS



Art. 313



Art. 313



Art. 314



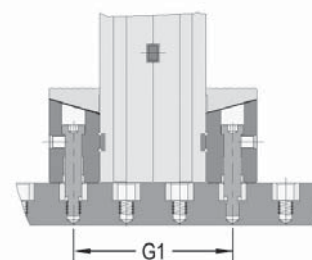
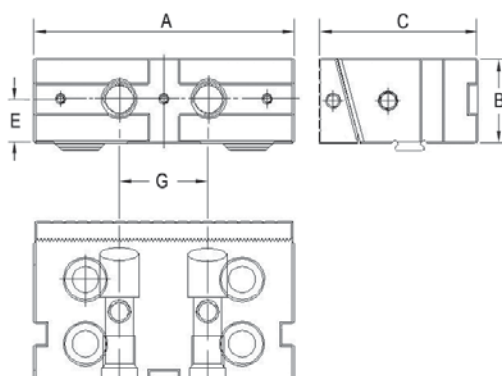
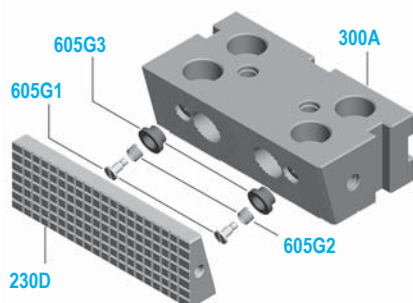
Art. 314



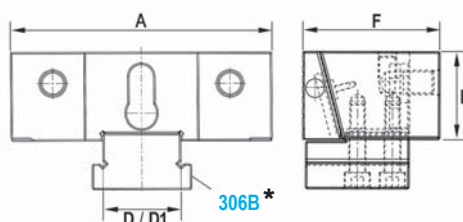
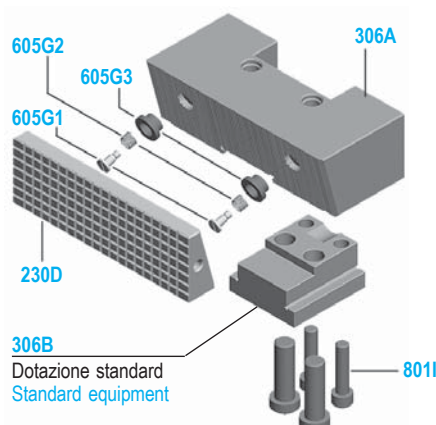
Art. 314

GANASCE CON PIASTRE INTERCAMBIABILI MANUALMENTE (a pettine) JAWS WITH INTERCHANGEABLE JAW PLATES BY HAND (comb system)

Art. 120A



Art. 127A



Art.			Pag.
120A	126A	127A	
300A	-	-	4-15
230D	230D	230D	4-8
605G1	605G1	605G1	6-16
605G2	605G2	605G2	6-16
605G3	605G3	605G3	6-16
-	306A	306A	4-15
-	801I	801I	5-45
-	306C	306B	4-15

* La ganasca mobile guidata, Art. 127A, può essere tramutata in ganasca mobile oscillante, sostituendo il pattino, Art. 306B, con il pattino Art. 306C (vedi pag. 4-15).

* 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 4-15).

TIPO (GRANDEZZA) MORSA	VICE TYPE (SIZE)	1	2	3	4	5	6
A mm		96	121	146	171	196	296
B mm		28	38	48	58	63	78
C mm		77,9	77,9	89,4	96,9	113,4	-
D mm		21	28	41	51	61	-
Per ganasca oscillante	D1 mm For floating jaw	19	26	39	49	59	-
E mm		14	19	25	17	30	-
F mm		50	60	80	90	100	-
G mm		-	-	50	50	50	-
G1 mm		98	118	150	150	200	

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
€	149	190	227	267	384	591

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
€	201	279	339	397	591	883

Art. 126A

GANASCIA MOBILE OSCILLANTE
LARGHEZZA NORMALE
FLOATING MOVABLE JAW - NORMAL WIDTH



COD.	4.12.6A100	4.12.6A200	4.12.6A300	4.12.6A400	4.12.6A500	4.12.6A600
€	149	190	227	267	384	591

Art. 127A

GANASCIA MOBILE GUIDATA
LARGHEZZA NORMALE
GUIDED MOVABLE JAW - NORMAL WIDTH

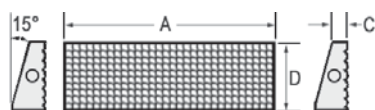


COD.	4.12.7A100	4.12.7A200	4.12.7A300	4.12.7A400	4.12.7A500	4.12.7A600
€	149	190	227	267	384	591

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

PIASTRE GANASCE
RAPIDE SINGOLE
Ricambi per ganasce rapide a pettine

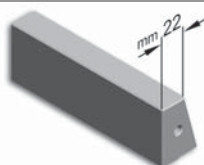
SINGLE QUICK
CHANGE JAW PLATES
Spares for quick change comb jaws



	1	2	3	4	5	6
A mm	95	120	145	170	195	295
C mm	16	14	11	11	11	12,5
D mm	28	38	48	58	63	78

Art. 230B

PIASTRA GANASCIA INTERCAMBIABILE **DOLCE** A PETTINE
SOFT COMB INTERCHANGEABLE JAW PLATE



COD.	4.23.0B101	4.23.0B201	4.23.0B301	4.23.0B401	4.23.0B501	4.23.0B601
€	55	60	72	91	129	170

Art. 230C

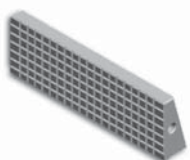
PIASTRA GANASCIA INTERCAMBIABILE **LISCIA** A PETTINE
SMOOTH COMB INTERCHANGEABLE JAW PLATE



COD.	4.23.0C101	4.23.0C201	4.23.0C301	4.23.0C401	4.23.0C501	4.23.0C601
€	68	75	90	113	161	213

Art. 230D

PIASTRA GANASCIA INTERCAMBIABILE **ZIGRINATA** A PETTINE
SERRATED COMB INTERCHANGEABLE JAW PLATE



COD.	4.23.0D101	4.23.0D201	4.23.0D301	4.23.0D401	4.23.0D501	4.23.0D601
€	68	75	90	113	161	213

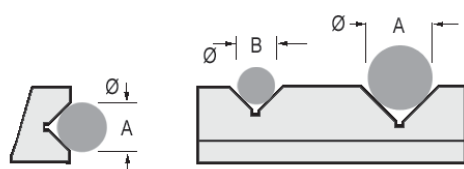
Art. 230E

PIASTRA GANASCIA INTERCAMBIABILE **A GRADINO** A PETTINE
STEP COMB INTERCHANGEABLE JAW PLATE



COD.	4.23.0E101	4.23.0E201	4.23.0E301	4.23.0E401	4.23.0E501	4.23.0E601
€	68	75	90	113	161	213

Vedi selezione piastre ganascia pag. 4.9 See jaw step selection pag 4.9



Art. 230F

PIASTRA GANASCIA INTERCAMBIABILE **PRISMATICA** A PETTINE
PRISMATIC COMB INTERCHANGEABLE JAW PLATE



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

COD.	4.23.0F101	4.23.0F201	4.23.0F301	4.23.0F401	4.23.0F501	4.23.0F601
€	89	98	117	148	209	277

Art. 230G

PIASTRA GANASCIA INTERCAMBIABILE A PETTINE
CON ARRESTO A 90°
90° INTERCHANGEABLE COMB JAW PLATE



COD.	4.23.0G101	4.23.0G201	4.23.0G301	4.23.0G401	4.23.0G501	4.23.0G601
€	68	75	90	113	161	213

Art. 230H

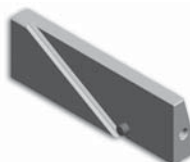
PIASTRA GANASCIA INTERCAMBIABILE **BOMBATA** A PETTINE
ROUND COMB INTERCHANGEABLE JAW PLATE



COD.	4.23.0H101	4.23.0H201	4.23.0H301	4.23.0H401	4.23.0H501	4.23.0H601
€	68	75	90	133	161	213

Art. 230M

PIASTRA GANASCIA INTERCAMBIABILE A PETTINE
PER ANGOLO DI 30° o 45°
30° or 45° ANGLE INTERCHANGEABLE COMB JAW PLATE



COD.	4.23.0M101	4.23.0M201	4.23.0M301	4.23.0M401	4.23.0M501	4.23.0M601
€	89	98	117	148	209	277

PIASTRE GANASCE
INTERCAMBIABILI
MANUALMENTE

Per un set di coppie:
RISPARMIO 40%
dal prezzo di listino
per pezzo singolo !

JAW PLATES
INTERCHANGEABLE BY HAND

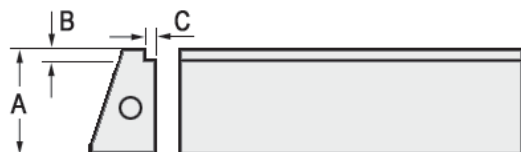
For a set of pair:
SAVE 40%
from list price
of a single
piece !

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

Art. 230E

SET DI PIASTRE GANASCE RAPIDE A GRADINO
(SISTEMA A PETTINE)

STEP QUICK CHANGE JAW PLATES SET
(COMB SYSTEM)



	1	2	3	4	5	6
A mm	28	38	48	58	63	78
B mm	Set di 8 pezzi Set of 8 pcs	3	3	3	3	3
	5	5	5	5	5	5
	8	8	8	8	8	8
	13	13	13	13	13	13
	-	18	18	18	18	18
	-	23	23	23	23	23
C mm	3	3	3	3	3	3
COD.	4.23.0E112	4.23.0E212	4.23.0E312	4.23.0E412	4.23.0E512	4.23.0E612
€	326	540	756	949	1.352	1.789

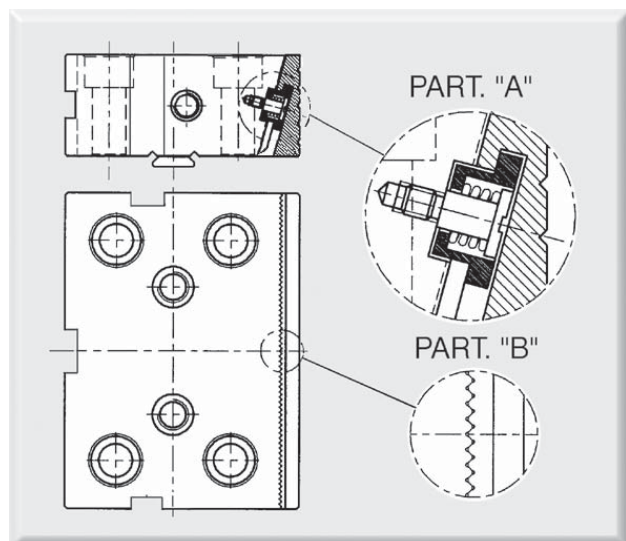
DIMENSIONI SPECIALI SPECIAL DIMENSIONS

PIASTRA GANASCE RAPIDA **SINGOLA SPECIALE**
TAYLOR MADE SINGLE QUICK CHANGE LAW PLATE

SET DI PIASTRE GANASCE RAPIDE CON DIMENSIONI **SPECIALI**
QUICK CHANGE JAW PLATES **SET** WITH TAYLOR MADE DIMENSIONS

€	136	150	180	226	322	426
€	652	1.080	1.512	1.898	2.704	3.578

RAPIDA SOSTITUZIONE DELLE PIASTRE GANASCE DISCENDENTI SENZA BISOGNO DI ALCUN UTENSILE
QUICK HAND CHANGE OF DOWNWARD JAW PLATES - NO TOOLS NEEDED



Il nuovo sistema con piastre ganasce intercambiabili, conferisce alla morsa STD un ulteriore aumento di flessibilità 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. La vasta gamma di piastre ganasce intercambiabili va a soddisfare le più svariate esigenze di lavorazione.

The new system with quick interchangeable jaw plates, increase f the STD vise flexibility, and feature the quick jaw 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 jaws plates can satisfy the most varied workholding needs.

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
---	---	---	---	---	---	---

GANASCE CON PIASTRE PIANE
STRAIGHT-PLATE JAWS
Art. 140

 GANASCIA FISSA - LARGHEZZA NORMALE
 FIXED JAW - NORMAL WIDTH


COD.	2.14.01000	2.14.02000	2.14.03000	2.14.04000	2.14.05000	2.14.06000
€	115	146	175	206	294	454

Art. 141

 GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA
 FIXED JAW - NARROW WIDTH FLUSH GROUND

COD.	2.14.11000	2.14.12000	2.14.13000	2.14.14000	2.14.15000	2.14.16000
€	149	189	227	267	381	590

Art. 143

 GANASCIA FISSA DOPPIA - LARGHEZZA NORMALE
 DOUBLE FIXED JAW - NORMAL WIDTH

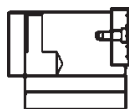

COD.	2.14.31000	2.14.32000	2.14.33000	2.14.34000	2.14.35000	2.14.36000
€	155	214	260	305	454	679

Art. 144

 GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA
 DOUBLE FIXED JAW - NARROW WIDTH FLUSH GROUND

COD.	2.14.41000	2.14.42000	2.14.43000	2.14.44000	2.14.45000	2.14.46000
€	200	279	339	397	590	882

Art. 146

 GANASCIA MOBILE GUIDATA - LARGHEZZA NORMALE
 GUIDED MOVABLE JAW - NORMAL WIDTH


COD.	2.14.61000	2.14.62000	2.14.63000	2.14.64000	2.14.65000	2.14.66000
€	115	146	175	206	294	454

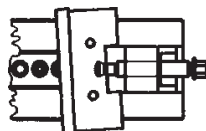
Art. 147

 GANASCIA MOBILE GUIDATA - LARGHEZZA SUPER RIDOTTA
 GUIDED MOVABLE JAW - SUPER NARROW WIDTH

COD.	2.14.71000	2.14.72000	2.14.73000	2.14.74000	2.14.75000	2.14.76000
€	115	146	175	206	294	454

Art. 148

 GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE
 FLOATING MOVABLE JAW - NORMAL WIDTH

 Oscillazione $\pm 3^\circ$
 ± 3 floating


COD.	2.14.81000	2.14.82000	2.14.83000	2.14.84000	2.14.85000	2.14.86000
€	115	146	175	206	294	454

Art. 149

 GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA
 FLOATING MOVABLE JAW - SUPER NARROW WIDTH

COD.	2.14.91000	2.14.92000	2.14.93000	2.14.94000	2.14.95000	2.14.96000
€	115	146	175	206	294	454

ACCESSORI
ACCESSORIES
Art. 152

 INSERTO PRISMATICO
 PRISMATIC INSERT

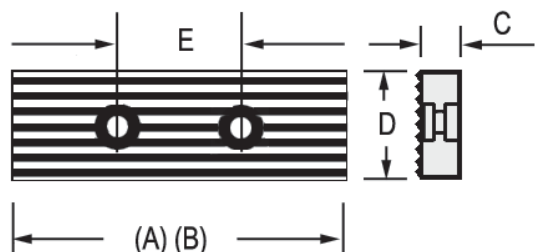

COD.	4.15.21000	4.15.22000	4.15.23000	4.15.24000	4.15.25000	4.15.26000
€	185	232	282	330	409	610

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

**RICAMBI PER GANASCE CON
PIASTRE PIANE**

**SPARES FOR STRAIGHT
STANDARD JAWS**

	1	2	3	4	5	6
(A)mm	100	125	150	175	200	300
(B) mm	74	94	124	144	169	194
C mm	12	12	13	13	18	18
D mm	24,5	32	37	43	48	56
E mm	20	32	50	50	75	90



PIASTRE PIANE RIGATE LISCE

dotazione normale delle ganasce e delle morse complete

STRAIGHT JAW PLATES, GROOVED AND SMOOTH

standard equipment on complete jaws and vises

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

Art. 242

PER GANASCIA FISSA O MOBILE - Art. 140, 146, 148
(ZIGRINATA DA UN LATO E LISCIA DALL' ALTRO)
LARGHEZZA NORMALE (A)

FOR FIXED OR MOVABLE JAW - Art. 140, 146, 148
(ONE SIDE SERRATED, ONE SIDE SMOOTH) - NORMAL WIDTH (A)

COD. 1.65.16000 1.65.26000 1.65.36000 1.65.46000 1.65.56000 1.65.66000

€ 45 50 60 75 105 140

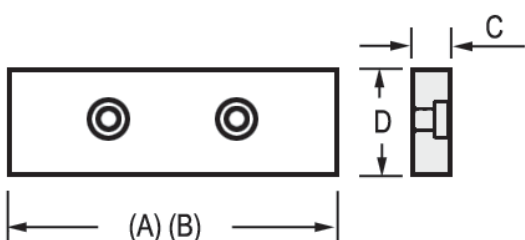
Art. 243

PER GANASCIA FISSA O MOBILE - Art. 141, 147, 149
(ZIGRINATA DA UN LATO E LISCIA DALL' ALTRO)
LARGHEZZA SUPER RIDOTTA (B)

FOR FIXED OR MOVABLE JAW - Art. 141, 147, 149
(ONE SIDE SERRATED, ONE SIDE SMOOTH) - SUPER NARROW WIDTH (B)

COD. 1.65.17000 1.65.27000 1.65.37000 1.65.47000 1.65.57000 1.65.67000

€ 45 50 60 75 105 140



PIASTRE PIANE IN ACCIAIO LAVORABILE (dolce)

fornibili a richiesta su ganascia e morse senza variazione di prezzo

STRAIGHT JAW PLATES, MACHINEABLE STEEL (soft HRC)

available on request for complete jaws and vises without price change

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

Art. 246

PER GANASCIA FISSA O MOBILE - Art. 140, 146, 148
LARGHEZZA NORMALE (A)

FOR FIXED OR MOVABLE JAW - Art. 140, 146, 148 - NORMAL WIDTH (A)

COD. 1.65.16200 1.65.26200 1.65.36200 1.65.46200 1.65.56200 1.65.66200

€ 45 50 60 75 105 140

Art. 247

PER GANASCIA FISSA O MOBILE - Art. 141, 147, 149
LARGHEZZA SUPER RIDOTTA (B)

FOR FIXED OR MOVABLE JAW - Art. 141, 147, 149 - SUPER NARROW WIDTH (B)

COD. 1.65.17200 1.65.27200 1.65.37200 1.65.47200 1.65.57200 1.65.67200

€ 45 50 60 75 105 140

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
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GANASCE DOLCI MONOBLOCCO
SOLID SOFT JAWS
Art. 160

 GANASCIA FISSA - LARGHEZZA NORMALE
 FIXED JAW - NORMAL WIDTH

Art. 161

 GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA
 FIXED JAW - NARROW WIDTH FLUSCH GROUND

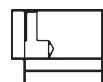
Art. 163

 GANASCIA FISSA DOPPIA - LARGHEZZA NORMALE
 DOUBLE FIXED JAW - NORMAL WIDTH

Art. 164

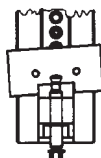
 GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA
 DOUBLE FIXED JAW - NARROW WIDTH FLUSCH GROUND

Art. 166

 GANASCIA MOBILE GUIDATA - LARGHEZZA NORMALE
 GUIDED MOVABLE JAW - NORMAL WIDTH

Art. 167

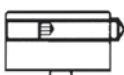
 GANASCIA MOBILE GUIDATA - LARGHEZZA SUPER RIDOTTA
 GUIDED MOVABLE JAW - SUPER NARROW WIDTH

Art. 168

 GANASCIA MOBILE OSCILLANTE
 LARGHEZZA NORMALE
 FLOATING MOVABLE JAW - NORMAL WIDTH

Art. 169

 GANASCIA MOBILE OSCILLANTE
 LARGHEZZA SUPER RIDOTTA
 FLOATING MOVABLE JAW - SUPER NARROW WIDTH

GANASCE CON PUNTALI MECCANICI REGOLABILI
JAWS WITH ADJUSTABLE SET SCREWS
Art. 180

 GANASCIA FISSA - LARGHEZZA NORMALE
 FIXED JAW - NORMAL WIDTH

Art. 181

 GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA
 FIXED JAW - NARROW WIDTH FLUSCH GROUND

Art. 183

 GANASCIA FISSA DOPPIA - LARGHEZZA NORMALE
 DOUBLE FIXED JAW - NORMAL WIDTH

Art. 184

 GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA
 DOUBLE FIXED JAW - NARROW WIDTH FLUSCH GROUND

Art. 186

 GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE
 FLOATING MOVABLE JAW - NORMAL WIDTH

Art. 187

 GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA
 FLOATING MOVABLE JAW - SUPER NARROW WIDTH

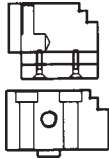
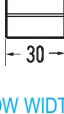
COD.	2.16.01000	2.16.02000	2.16.03000	2.16.04000	2.16.05000	2.16.06000
€	115	146	175	206	294	454
COD.	2.16.11000	2.16.12000	2.16.13000	2.16.14000	2.16.15000	2.16.16000
€	149	189	227	267	381	590
COD.	2.16.31000	2.16.32000	2.16.33000	2.16.34000	2.16.35000	2.16.36000
€	155	214	260	305	454	679
COD.	2.16.41000	2.16.42000	2.16.43000	2.16.44000	2.16.45000	2.16.46000
€	200	279	339	397	590	882
COD.	2.16.61000	2.16.62000	2.16.63000	2.16.64000	2.16.65000	2.16.66000
€	115	146	175	206	294	454
COD.	2.16.71000	2.16.72000	2.16.73000	2.16.74000	2.16.75000	2.16.76000
€	115	146	175	206	294	454
COD.	2.16.81000	2.16.82000	2.16.83000	2.16.84000	2.16.85000	2.16.86000
€	115	146	175	206	294	454
COD.	2.16.91000	2.16.92000	2.16.93000	2.16.94000	2.16.95000	2.16.96000
€	115	146	175	206	294	454
COD.	2.18.01000	2.18.02000	2.18.03000	2.18.04000	2.18.05000	2.18.06000
€	164	209	250	294	420	649
COD.	2.18.11000	2.18.12000	2.18.13000	2.18.14000	2.18.15000	2.18.16000
€	213	270	324	382	598	843
COD.	2.18.31000	2.18.32000	2.18.33000	2.18.34000	2.18.35000	2.18.36000
€	221	306	372	436	649	970
COD.	2.18.41000	2.18.42000	2.18.43000	2.18.44000	2.18.45000	2.18.46000
€	286	398	484	567	843	1.260
COD.	2.18.61000	2.18.62000	2.18.63000	2.18.64000	2.18.65000	2.18.66000
€	164	209	250	294	420	649
COD.	2.18.71000	2.18.72000	2.18.73000	2.18.74000	2.18.75000	2.18.76000
€	164	209	250	294	420	649

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
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GANASCE MONOBLOCCO CON GRADINO - TEMPRATE
SOLID JAWS WITH STEP - CASE HARDENED

Art. 200 GANASCIA FISSA - LARGHEZZA NORMALE FIXED JAW - NORMAL WIDTH 	COD.	2.20.01000	2.20.02000	2.20.03000	2.20.04000	2.20.05000	2.20.06000
	€	115	146	175	206	294	454
Art. 201 GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA FIXED JAW - NARROW WIDTH FLUSCH GROUND 	COD.	2.20.11000	2.20.12000	2.20.13000	2.20.14000	2.20.15000	2.20.16000
	€	149	189	227	267	381	590
Art. 203 GANASCIA FISSA DOPPIA - LARGHEZZA NORMALE DOUBLE FIXED JAW - NORMAL WIDTH 	COD.	2.20.31000	2.20.32000	2.20.33000	2.20.34000	2.20.35000	2.20.36000
	€	155	214	260	305	454	679
Art. 204 GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA DOUBLE FIXED JAW - NARROW WIDTH FLUSCH GROUND 	COD.	2.20.41000	2.20.42000	2.20.43000	2.20.44000	2.20.45000	2.20.46000
	€	200	279	339	397	590	882
Art. 208 GANASCIA MOBILE GUIDATA - LARGHEZZA NORMALE GUIDED MOVABLE JAW - NORMAL WIDTH 	COD.	2.20.81000	2.20.82000	2.20.83000	2.20.84000	2.20.85000	2.20.86000
	€	115	146	175	206	294	454
Art. 209 GANASCIA MOBILE GUIDATA - LARGHEZZA SUPER RIDOTTA GUIDED MOVABLE JAW - SUPER NARROW WIDTH 	COD.	2.20.91000	2.20.92000	2.20.93000	2.20.94000	2.20.95000	2.20.96000
	€	115	146	175	206	294	454
Art. 206 GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE FLOATING MOVABLE JAW - NORMAL WIDTH 	COD.	2.20.61000	2.20.62000	2.20.63000	2.20.64000	2.20.65000	2.20.66000
	€	115	146	175	206	294	454
Art. 207 GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA FLOATING MOVABLE JAW - SUPER NARROW WIDTH 	COD.	2.20.71000	2.20.72000	2.20.73000	2.20.74000	2.20.75000	2.20.76000
	€	115	146	175	206	294	454

GANASCE A DOPPIO GRADINO
DOUBLE STEP JAWS

Art. 151 GANASCE SPECIALI A DOPPIO GRADINO SPECIAL JAWS WITH DOUBLE STEP 	COD.	1.15.11000	1.15.12000	1.15.13000	1.15.14000	1.15.15000	1.15.16000
	€	231	259	301	330	359	416
Art. 212 GANASCIA MOBILE INTERMEDIA CON DOPPIO GRADINO LARGHEZZA NORMALE INTERMEDIATE MOVABLE JAW WITH DOUBLE STEP NORMAL WIDTH 	COD.	1.21.21000	1.21.22000	1.21.23000	1.21.24000	1.21.25000	1.21.26000
	€	162	90	120	150	180	292
Art. 213 GANASCIA MOBILE INTERMEDIA CON DOPPIO GRADINO LARGHEZZA SUPER RIDOTTA INTERMEDIATE MOVABLE JAW WITH DOUBLE STEP - SUPER NARROW WIDTH 	COD.	1.21.31000	1.21.32000	1.21.33000	1.21.34000	2.20.35000	2.20.36000
	€	231	259	301	330	359	416
Art. 224 GANASCIA MOBILE INTERMEDIA - LARGHEZZA NORMALE INTERMEDIATE MOVABLE JAW - NORMAL WIDTH 	COD.	1.22.41000	1.22.42000	1.22.43000	1.22.44000	1.22.45000	1.22.46000
	€	188	201	214	225	238	251
Art. 225 GANASCIA MOBILE INTERMEDIA - LARGHEZZA SUPER RIDOTTA INTERMEDIATE MOVABLE JAW - SUPER NARROW WIDTH 	COD.	1.22.51000	1.22.52000	1.22.53000	1.22.54000	1.22.55000	1.22.56000
	€	188	201	214	225	238	251

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
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GANASCE PER PEZZI TONDI
JAWS FOR ROUND PARTS
Art. 210

 GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE
 FLOATING MOVABLE JAW - NORMAL WIDTH


COD.	2.21.01000	2.21.02000	2.21.03000	2.21.04000	2.21.05000	2.21.06000
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€	115	146	175	206	294	454
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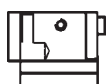
Art. 211

 GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA
 FLOATING MOVABLE JAW - SUPER NARROW WIDTH

COD.	2.21.11000	2.21.12000	2.21.13000	2.21.14000	2.21.15000	2.21.16000
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€	115	146	175	206	294	454
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GANASCE OLEODINAMICHE E ACCESSORI
HYDRAULIC-CONTROL JAWS AND ACCESSORIES
Art. 188

 GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE
 FLOATING MOVABLE JAW - NORMAL WIDTH


COD.	2.18.81000	2.18.82000	2.18.83000	2.18.84000	2.18.85000	2.18.86000
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€	280	390	471	554	822	1.162
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Art. 189

 GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA
 FLOATING MOVABLE JAW - SUPER NARROW WIDTH

COD.	2.18.91000	2.18.92000	2.18.93000	2.18.94000	2.18.95000	2.18.96000
------	------------	------------	------------	------------	------------	------------

€	280	390	471	554	822	1.162
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Art. 254

 INSERTI PRISMATICI PER GANASCE FISSE CON PIASTRE PIANE
 LARGHEZZA NORMALE
 Usabili anche con ganasce mobili oleodinamiche **Art. 188-189**
 PRISMATIC INSERT FOR STRAGHT FIXES JAWS - NORMAL WIDTH
 Used also for hydraulic movable jaws **Art. 188-189**


COD.	1.25.41000	1.25.42000	1.25.43000	1.25.44000	1.25.45000	1.25.46000
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€	130	130	174	174	259	346
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Art. 259

 INSERTI PRISMATICI PER GANASCE FISSE CON PIASTRE PIANE
 LARGHEZZA SUPER RIDOTTA
 Usabili anche con ganasce mobili oleodinamiche **Art. 188-189**
 PRISMATIC INSERT FOR STRAGHT FIXES JAWS - SUPER NARROW WIDTH
 Used also for hydraulic movable jaws **Art. 188-189**

COD.	1.25.91000	1.25.92000	1.25.93000	1.25.94000	1.25.95000	1.25.96000
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€	130	130	174	174	259	346
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GANASCE PRISMATICHE
PRISMATIC JAWS
Art. 217

 GANASCIA MOBILE GUIDATA - LARGHEZZA NORMALE
 GUIDED MOVABLE JAW - NORMAL WIDTH

Art. 218

 GANASCIA MOBILE GUIDATA - LARGHEZZA SUPER RIDOTTA
 GUIDED MOVABLE JAW - SUPER NARROW WIDTH

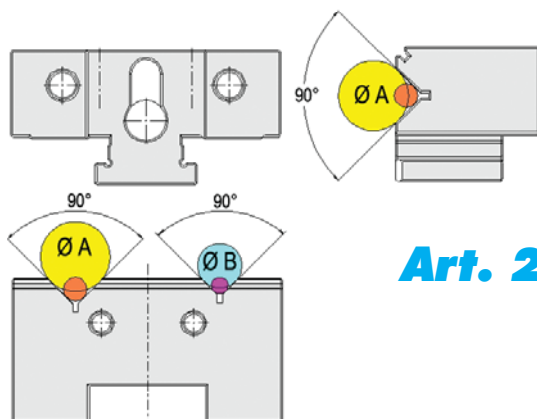
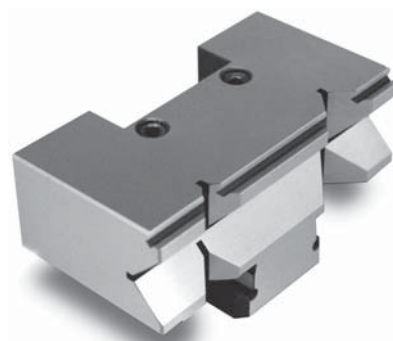
COD.	2.21.71000	2.21.72000	2.21.73000	2.21.74000	2.21.75000	2.21.76000
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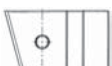
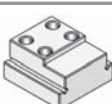
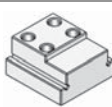
€	159	99	140	190	250	427
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COD.	2.21.81000	2.21.82000	2.21.83000	2.21.84000	2.21.85000	2.21.86000
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€	185	232	282	330	409	610
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Ø min. A	mm	6	9	13	15	15	18
Ø max A	mm	16	24	38	40	42	46
Ø min. B	mm	4	7	9	9	9	10
Ø max B	mm	10	18	24	24	24	28


Art. 217 - 218


TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6	
CORPI GANASCE STANDARD BODY - STANDARD JAWS								
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	
	€	74	101	121	138	198	327	
	COD.	1.35.10300	1.35.20300	1.35.30300	1.35.40300	1.35.50300	1.35.60300	
Art. 301 CORPO GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA BODY FIXED JAW - NARROW WIDTH	€	108	144	173	199	285	463	
	Art. 303 CORPO GANASCIA FISSA DOPPIA - LARGHEZZA NORMALE BODY DOUBLE FIXED JAW - NORMAL WIDTH 	COD.	1.35.10900	1.35.20900	1.35.30900	1.35.40900	1.35.50900	1.35.60900
		€	114	169	206	237	358	552
COD.		1.35.11200	1.35.21200	1.35.31200	1.35.41200	1.35.51200	1.35.61200	
Art. 304 CORPO GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA BODY DOUBLE FIXED JAW - NARROW WIDTH	€	159	234	285	329	494	755	
	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
		€	74	101	121	138	198	327
COD.		1.36.11000	1.36.21000	1.36.31000	1.36.41000	1.36.51000	1.36.61000	
Art. 307 CORPO GANASCIA MOBILE GUIDATA - LARGHEZZA SUPER RIDOTTA BODY GUIDED MOVABLE JAW - SUPER NARROW WIDTH	€	74	101	121	138	198	327	
	Art. 308 CORPO GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE BODY FLOATING MOVABLE JAW - NORMAL WIDTH 	COD.	1.36.10400	1.36.20400	1.36.30400	1.36.40400	1.36.50400	1.36.60400
		€	74	101	121	138	198	327
COD.		1.36.10700	1.36.20700	1.36.30700	1.36.40700	1.36.50700	1.36.60700	
Art. 309 CORPO GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA BODY FLOATING MOVABLE JAW - SUPER NARROW WIDTH	€	74	101	121	138	198	327	
	Art. 193 CORPO GANASCIA MOBILE GUIDATA A SEGMENTI OSCILLANTI - LARGHEZZA NORMALE BODY GUIDED MOVABLE JAW WITH FLOATING SEGMENT - NORMAL WIDTH 	COD.	1.19.31000	1.19.32000	1.19.33000	1.19.34000	1.19.35000	1.19.36000
		€	90	180	240	280	400	630
COD.		1.19.41000	1.19.42000	1.19.43000	1.19.44000	1.19.45000	1.19.46000	
Art. 194 CORPO GANASCIA MOBILE GUIDATA A SEGMENTI OSCILLANTI LARGHEZZA SUPER RIDOTTA BODY GUIDED MOVABLE JAW WITH FLOATING SEGMENT - SUPER NARROW WIDTH	€	90	180	240	280	400	630	
	CORPI GANASCE CON PIASTRE INTERCAMBIABILI MANUALMENTE JAW BODYS FOR QUICK INTERCHANGEABLE JAW PLATES							
	Art. 300A CORPO GANASCIA FISSA BODY FIXED JAW 	COD.	1.30.0A100	1.30.0A200	1.30.0A300	1.30.0A400	1.30.0A500	1.30.0A600
€		81	115	138	154	223	378	
COD.		1.30.3A100	1.30.3A200	1.30.3A300	1.30.3A400	1.30.3A500	1.30.3A600	
Art. 303A CORPO GANASCIA FISSA DOPPIA BODY DOUBLE FIXED JAW 	€	133	204	249	284	430	670	
	Art. 306A CORPO GANASCIA MOBILE GUIDATA BODY GUIDED MOVABLE JAW 	COD.	1.30.6A100	1.30.6A200	1.30.6A300	1.30.6A400	1.30.6A500	1.30.6A600
		€	81	115	138	154	223	378
COD.		1.30.6B100	1.30.6B200	1.30.6B300	1.30.6B400	1.30.6B500	1.30.6B600	
Art. 306B PATTINO PER GANASCE MOBILI GUIDATE SLIDING PLATE FOR GUIDED MOVABLE JAW 	€	41	53	65	69	105	119	
	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
		€	41	53	65	69	105	119

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
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CORPI GANASCE PIANE
BODY - STRAIGHT JAWS
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
€	74	101	121	138	198	327

Art. 316

CORPO GANASCIA FISSA
 LARGHEZZA RIDOTTA RETTIFICATA
 BODY FIXED JAW - SUPER NARROW WIDTH FLUSH GROUND

COD.	1.35.12100	1.35.22100	1.35.32100	1.35.42100	1.35.52100	1.35.62100
€	108	144	173	199	285	463

Art. 318

CORPO GANASCIA FISSA DOPPIA
 LARGHEZZA NORMALE
 BODY DOUBLE FIXED JAW - NORMAL WIDTH



COD.	1.35.12700	1.35.22700	1.35.32700	1.35.42700	1.35.52700	1.35.62700
€	114	169	206	237	358	552

Art. 319

CORPO GANASCIA FISSA DOPPIA
 LARGHEZZA RIDOTTA RETTIFICATA
 BODY FIXED JAW - SUPER NARROW WIDTH FLUSH GROUND

COD.	1.35.13000	1.35.23000	1.35.33000	1.35.43000	1.35.53000	1.35.63000
€	159	234	285	329	494	755

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
€	74	101	121	138	198	327

Art. 322

CORPO GANASCIA MOBILE GUIDATA
 LARGHEZZA SUPER RIDOTTA
 BODY GUIDED MOVABLE JAW - SUPER NARROW WIDTH

COD.	1.36.12200	1.36.22200	1.36.32200	1.36.42200	1.36.52200	1.36.62200
€	74	101	121	138	198	327

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
€	74	101	121	138	198	327

Art. 324

CORPO GANASCIA MOBILE OSCILLANTE
 LARGHEZZA SUPER RIDOTTA
 BODY FLOATING MOVABLE JAW - SUPER NARROW WIDTH

COD.	1.36.11900	1.36.21900	1.36.31900	1.36.41900	1.36.51900	1.36.61900
€	74	101	121	138	198	327

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
---	---	---	---	---	---	---

CORPI GANASCE CON PUNTALI MECCANICI
BODY - ADJUSTABLE SET SCREW JAWS
Art. 330

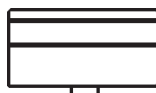
CORPO GANASCIA FISSA
LARGHEZZA NORMALE
BODY FIXED JAW - NORMAL WIDTH

Art. 331

CORPO GANASCIA FISSA
LARGHEZZA RIDOTTA RETTIFICATA
BODY FIXED JAW - SUPER NARROW WIDTH FLUSH GROUND

COD.	1.35.14200	1.35.24200	1.35.34200	1.35.44200	1.35.54200	1.35.64200
€	149	190	229	268	393	594
COD.	1.35.14300	1.35.24300	1.35.34300	1.35.44300	1.35.54300	1.35.64300
€	193	247	297	348	510	1.493

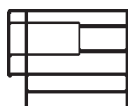
Art. 333

CORPO GANASCIA FISSA DOPPIA
LARGHEZZA NORMALE
BODY DOUBLE FIXED JAW - NORMAL WIDTH

Art. 334

CORPO GANASCIA FISSA DOPPIA
LARGHEZZA RIDOTTA RETTIFICATA
BODY FIXED JAW - SUPER NARROW WIDTH FLUSH GROUND

COD.	1.35.14500	1.35.24500	1.35.34500	1.35.44500	1.35.54500	1.35.64500
€	193	269	327	384	570	851
COD.	1.35.14600	1.35.24600	1.35.34600	1.35.44600	1.35.54600	1.35.64600
€	252	349	424	498	740	1.106

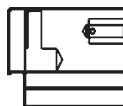
Art. 336

CORPO GANASCIA MOBILE OSCILLANTE
LARGHEZZA NORMALE
BODY FLOATING MOVABLE JAW - NORMAL WIDTH

Art. 337

CORPO GANASCIA MOBILE OSCILLANTE
LARGHEZZA SUPER RIDOTTA
BODY FLOATING MOVABLE JAW - SUPER NARROW WIDTH

COD.	1.36.12900	1.36.22900	1.36.32900	1.36.42900	1.36.52900	1.36.62900
€	130	174	211	252	381	573
COD.	1.36.13000	1.36.23000	1.36.33000	1.36.43000	1.36.53000	1.36.63000
€	130	174	211	252	381	573

CORPI GANASCE OLEODINAMICHE
BODY - HYDRAULIC JAWS
Art. 338

CORPO GANASCIA MOBILE OSCILLANTE
LARGHEZZA NORMALE
BODY FLOATING MOVABLE JAW - NORMAL WIDTH

Art. 339

CORPO GANASCIA MOBILE OSCILLANTE
LARGHEZZA SUPER RIDOTTA
BODY FLOATING MOVABLE JAW - SUPER NARROW WIDTH

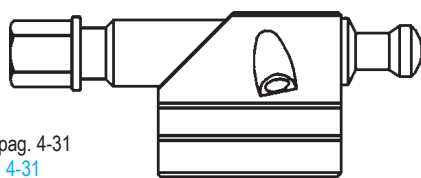
COD.	1.36.13100	1.36.23100	1.36.33100	1.36.43100	1.36.53100	1.36.63100
€	180	265	310	365	395	790
COD.	1.36.13200	1.36.23200	1.36.33200	1.36.43200	1.36.53200	1.36.63200
€	180	265	310	365	395	790

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
---	---	---	---	---	---	---

DISPOSITIVI MECCANICI MECHANICAL BLOCKING DEVICES

Art. 258

GRUPPO DI SERRAGGIO MECCANICO COMPLETO SENZA ACCESSORI
MECHANICAL CLAMPING DEVICE COMPLETE - NO ACCESSORIES



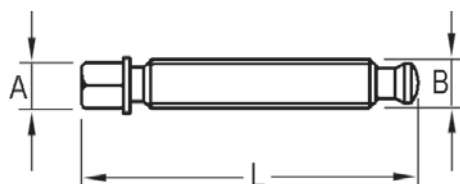
Per le forze di serraggio vedi pag. 4-31
For clamping forces see page 4-31

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
€	115	135	165	185	230	345

PARTI STACCATI E RICAMBI LOOSE AND SPARE PARTS

Art. 360

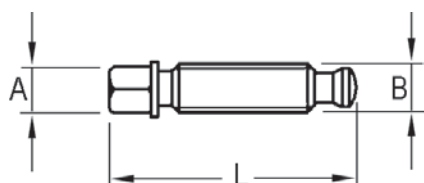
VITE DI SPINTA
(NORMALE)
CLAMPING BOLT
(NORMAL)



L mm	100	130	150	190
A mm	16	19	22	30
B mm	14 x 2	18 x 4	24 x 5	30 x 5
COD.	1.90.10144	1.90.20184	1.90.30245	1.90.50366
€	35	45	55	80

Art. 355

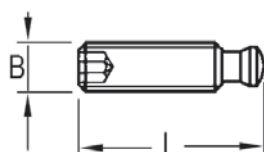
VITE DI SPINTA
(RIDOTTA)
CLAMPING BOLT
(SHORT)



L mm	90	100	115	150
A mm	16	19	22	36
B mm	14 x 2	18 x 4	24 x 5	30 x 5
COD.	1.90.14144	1.90.24184	1.90.34245	1.90.54366
€	35	45	55	80

Art. 356

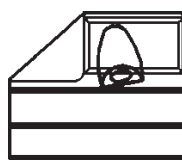
VITE DI SPINTA
(SUPER RIDOTTA)
CLAMPING BOLT
(SUPER SHORT)



L mm	53	73	81	113
B mm	14 x 2	18 x 4	24 x 5	30 x 5
COD.	1.35.61000	1.35.62000	1.35.60003	1.35.60005
€	35	45	55	80

Art. 282

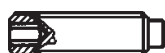
SUPPORTO DI SERRAGGIO MECCANICO
MECHANICAL CLAMPING DEVICE SUPPORT



COD.	2.28.21000	2.28.22000	2.28.23000	2.28.24000	2.28.25000	2.28.26000
€	90	95	115	135	155	270

Art. 410

GRANO
SETSCREW



COD.	0.06.20810 M8 x 20 CH. 4	0.06.21012 M10 x 25 CH. 5	0.06.21216 M14 x 35 CH. 6	0.06.21620 M12 x 45 CH. 6	0.06.21630 M20 x 50 CH. 10	0.06.31630 M20 x 50 CH. 10
€	4	4	6	6	7	7

Art. 361

SFERA BALL



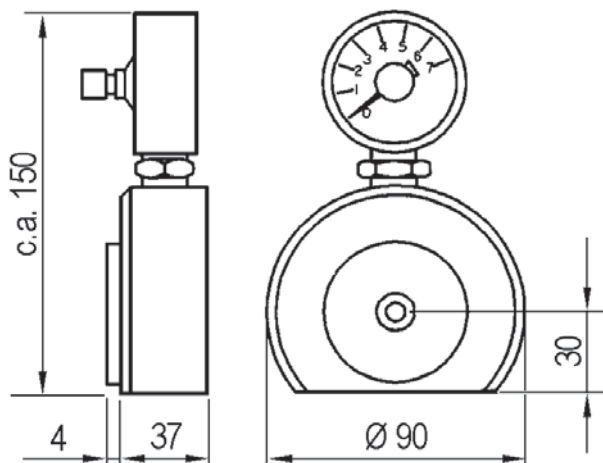
COD.	1.36.11001 9/16"	1.36.12002 3/4"	1.36.13003 7/8"	1.36.14004 7/8"	1.36.15005 1 1/8"	1.36.16006 1 1/8"
€	6	7	8	8	11	11

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
---	---	---	---	---	---	---

CELLE DI CARICO
LOADING CELLS
Art. 272

CELLE DI CARICO PER CONTROLLO FORZA
DI BLOCCAGGIO DELLE MORSE

LOADING CELLS TO CHECK VISE
CLAMPING FORCE



KN	60	-	-
COD.	4.27.26000	-	-
€	720	-	-

ACCESSORI MECCANICI
MECHANICAL ACCESSORIES
Art. 295

COPPIA DI PARALLELI TEMPRATI CON STAFFE
PARALLEL PLATES HON & GROUND per pair

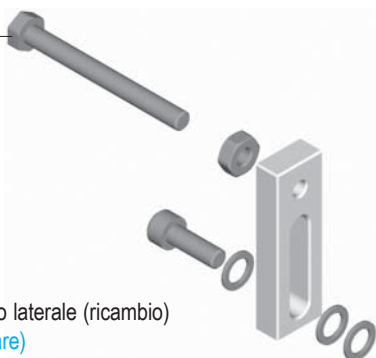


COD.	2.29.51000	2.29.53000	2.29.55000
€	30	40	50

Art. 370

ARRESTO LATERALE completo di vite principale Art: 405
WORKSTOP with main bolt Art. 405

Art. 405


Art. 405

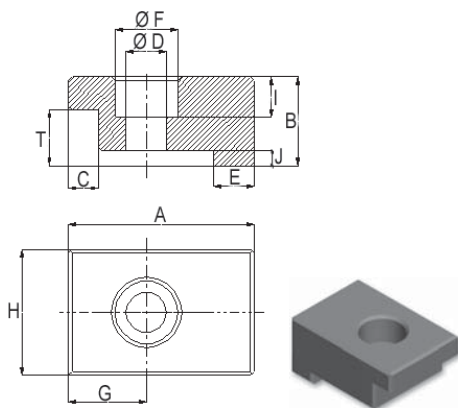
VITE PRINCIPALE per arresto laterale (ricambio)
MAIN BOLT for workstop (spare)

COD.	2.37.01000	2.37.03000	2.37.05000
€	16	19	32
COD.	1.77.10120	1.77.16180	
€	7	8	

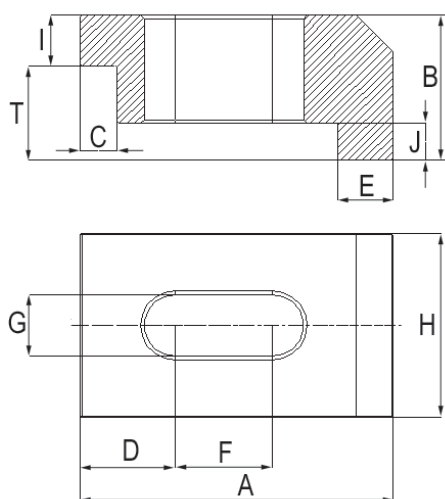
Art. 296

COPPIA DI STAFFE DI FISSAGGIO
COMPLETE DI VITE E DADI A "T" Art. 287

PAIR OF VISE HOLDING CLAMPS
COMPLETE OF SCREWS AND "T" NUTS Art. 287



TIPO (GRANDEZZA) MORSA	MORSA	VISE TYPE (SIZE)	VISE	STD	FMS	MULTIFLEX	A	B	C	D	E	F	G	H	I	J	$\pm 0,1$ T	COD.	€
1 - 2	1	1					50	24	6	9	10	13	17	34	8	4	15	2.29.61000	31
							50	24	6	11	10	17	17	34	10	4	15		

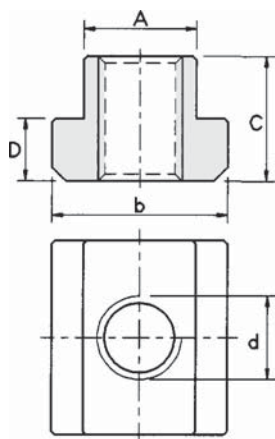


TIPO (GRANDEZZA) MORSA	MORSA	VISE TYPE (SIZE)	VISE	STD	FMS	MULTIFLEX	A	B	C	D	E	F	G	H	I	J	$\pm 0,1$ T	COD.	€
3 - 4	2 - 3	2 - 3					76	30	6	17	13	22	13	42	10	10	20	2.29.63000	40
							76	30	6	17	13	22	17	42	10	10	20		
5 - 6	4 - 5 - 6	-					86	40	10	26	15	27	13	50	14	10	26	2.29.65000	61
							86	40	10	26	15	27	17	50	14	10	26		

Art. 287

DADI PER CAVE A "T"
NUTS FOR "T" SLOTS

DIN 508



A mm	COD.	€
0 ÷ 22	2.28.72000	9
23 ÷ 36	2.28.74000	15
37 ÷ 54	2.28.76000	32

d	A	b	C	D
M5X6	5,7	10	8	4
M5X8	7,7	13	10	5
M5X10	9,7	15	12	6
M6X8	7,7	13	10	5
M6X10	9,7	15	12	6
M6X12	11,7	18	14	7
M8X10	9,7	15	12	6
M8X12	11,7	18	14	7
M8X14	13,7	22	16	8
M8X16	15,7	25	18	9
M8X18	17,7	28	20	10
M10X12	11,7	18	14	7
M10X14	13,7	22	16	8
M10X16	15,7	25	18	9
M10X18	17,7	28	20	10
M10X20	19,7	32	24	12
M10X22	21,7	35	28	14
M10X24	23,7	40	32	16
M12X14	13,7	22	16	8
M12X16	15,7	25	18	9
M12X18	17,7	28	20	10
M12X20	19,7	32	24	12
M12X22	21,7	35	28	14
M12X24	23,7	40	32	16
M12X28	27,7	44	36	18
M12X30	29,7	48	38	19
M14X16	15,7	25	18	9
M14X18	17,7	28	20	10
M14X20	19,7	32	24	12
M14X22	21,7	35	28	14
M14X24	23,7	40	32	16

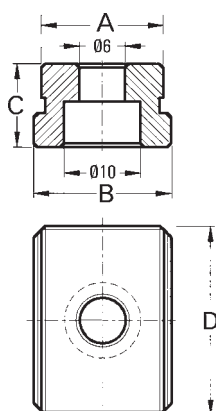
d	A	b	C	D
M16X18	17,7	28	20	10
M16X20	19,7	32	24	12
M16X22	21,7	35	28	14
M16X24	23,7	40	32	16
M16X28	27,7	44	36	18
M16X30	29,7	48	38	19
M16X36	35,6	54	44	22
M18X20	19,7	32	24	12
M18X22	21,7	35	28	14
M18X24	23,7	40	32	16
M18X28	27,7	44	36	18
M18X30	29,7	48	38	19
M18X36	35,6	54	44	22
M20X22	21,7	35	28	14
M20X24	23,7	40	32	16
M20X28	27,7	44	36	18
M20X30	29,7	48	38	19
M20X36	36,6	54	44	22
M20X42	41,6	65	52	26
M20X48	47,6	75	60	30
M24X28	27,7	44	36	18
M24X30	29,7	48	38	19
M24X36	35,6	54	44	22
M24X42	41,6	65	52	26
M24X48	47,6	75	60	30
M30X36	35,6	54	44	22
M30X42	41,6	65	52	26
M30X48	47,6	75	60	30
M30X54	53,6	85	70	35

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

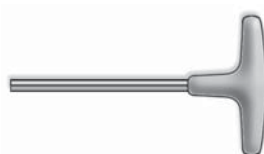
TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

1
2
3
4
5
6
ATTREZZI E DOTAZIONI
TOOLS AND EQUIPMENT
Art. 375

CHIAVE A PIPA *
BOX WRENCH *


R mm	200	250	285	480
COD.	0.09.41160	0.09.42180	0.09.43320	0.09.45360
€	17	20	23	42

Art. 376

CHIAVE A "T" *
"T" WRENCH *


COD.	0.09.21400	0.09.23600	0.09.25100
€	10	11	13

Art. 357

CHIAVE DINAMOMETRICA A CRICCHETTO E BUSSOLA
TORQUE WRENCH RATCHET TYPE WITH EXAGON

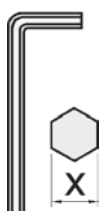

	606/10X	606/10X	606/10X	606/10X	608/3	608/3
COD.	2.35.71606				2.35.75606	
€	156				215	

Art. 877

CHIAVE A CRICCHETTO
RATCHET WRENCH


COD.	0.09.12000	0.09.58000	0.09.34000
€	75	95	117

Art. 377

CHIAVE ESAGONALE SERIE LUNGA *
HEXAGON WRENCH LONG REACH *


X mm	2	2,5	3	3,5	4	4,5
COD.	0.09.37702	0.09.37725	0.09.37703	0.09.37735	0.09.37704	0.09.37745
€	4	4	4	4	4	4
X mm	5	6	7	8	9	10
COD.	0.09.37705	0.09.37706	0.09.37707	0.09.37708	0.09.37709	0.09.37710
€	5	5	5	6	6	7
X mm	12	13	14	17	19	—
COD.	0.09.37712	0.09.37713	0.09.37714	0.09.37717	0.09.37719	—
€	8	11	12	16	24	—

Art. 325

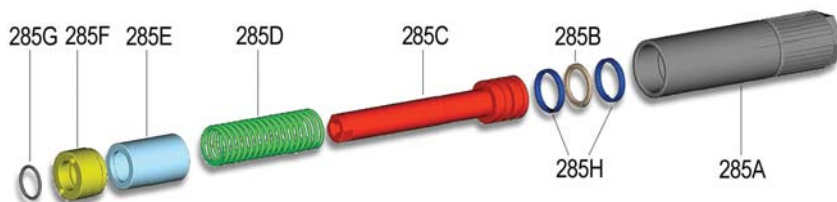
CHIAVE ESAGONALE A BUSSOLA
HEXAGON BUSHING


X mm	14	16	17	18	19	21
COD.	0.09.32514	0.09.32516	0.09.32517	0.09.32518	0.09.32519	0.09.32521
€	35	35	35	35	35	35
X mm	22	24	27	30	32	—
COD.	0.09.32522	0.09.32524	0.09.32527	0.09.32530	0.09.32532	—
€	35	43	43	43	43	—

* Dotazione standard a corredo / Standard equipment

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6
Art. 271 SUPPORTO DI SERRAGGIO CON CILINDRO IDRAULICO CLAMPING SUPPORT WITH HYDRAULIC CYLINDER		COD. 2.27.11000	2.27.12000	2.27.13000	2.27.14000	2.27.15000	2.27.16000
		€ 264	272	280	304	440	520
Art. 283 SUPPORTO DI SERRAGGIO PER CILINDRO IDRAULICO CLAMPING SUPPORT FOR HYDRAULIC CYLINDER		COD. 2.28.31000	2.28.32000	2.28.33000	2.28.34000	2.28.35000	2.28.36000
		€ 90	96	104	127	186	207
Art. 285 CILINDRO IDRAULICO A SEMPLICE EFFETTO, serraggio idraulico e apertura meccanica HYDRAULIC CYLINDER SINGLE ACTING, hydraulic clamping and mechanical opening		COD. 2.28.51000	-	2.28.53000	-	2.28.55000	2.28.56000
		€ 168	184		264		312
Art. 568 CILINDRO IDRAULICO CON MINIMO INGOMBRO SHORT HYDRAULIC CYLINDER		COD. 1.56.81000	-	1.56.83000	-	1.56.85000	1.56.86000
		€ 184	210		314		320
Art. 569 CILINDRO IDRAULICO A DOPPIO EFFETTO, apertura e chiusura idrauliche HYDRAULIC CYLINDER DOUBLE ACTING, hydraulic opening and clamping		COD. 1.56.91000	-	1.56.93000	-	1.56.95000	1.56.96000
		€ 184	216		280		320
Art. 289 TESTINA PER CILINDRO IDRAULICO HEAD HYDRAULIC CYLINDER		COD. 1.14.13000	1.14.23000	1.14.33000	1.14.43000	1.14.53000	1.14.63000
		€ 15	22		28		
Art. 281 GIUNTO RAPIDO QUICK - DISCONNECT FITTING		COD. 0.99.12000	0.99.22000	0.99.32000	0.99.42000	0.99.52000	0.99.62000
		€	62				

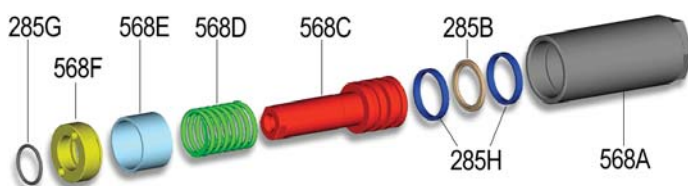
PARTI DI RICAMBIO PER CILINDRI IDRAULICI
SPARE PARTS FOR HYDRAULIC CYLINDERS
Art. 285

 CILINDRO IDRAULICO A SEMPLICE EFFETTO
 SINGLE ACTING HYDRAULIC CYLINDER


CILINDRO DIAMETRO ESTERNO (mm) CYLINDER OUTSIDE DIAMETER (mm)		T1	T2 - T3 - T4	T5	T6
		30	40	50	70
Art. 285A CILINDRO CYLINDER	COD. 4.28.5A100	4.28.5A300	4.28.5A500	4.28.5A600	
	€ 126	126	162	210	
Art. 285B GUARNIZIONE PISTONE PISTON SEAL	COD. 4.28.5B100	4.28.5B300	4.28.5B500	4.28.5B600	
	€ 5	6	7	9	
Art. 285C PISTONE PISTON	COD. 4.28.5C100	4.28.5C300	4.28.5C500	4.28.5C600	
	€ 84	84	108	140	
Art. 285D MOLLA SPRING	COD. 4.28.5D100	4.28.5D300	4.28.5D500	4.28.5D600	
	€ 10	12	14	18	
Art. 285E BUSSOLA BUSHING	COD. 4.28.5E100	4.28.5E300	4.28.5E500	4.28.5E600	
	€ 6	7	8	10	
Art. 285F GHIERA BLOCKING NUT	COD. 4.28.5F100	4.28.5F300	4.28.5F500	4.28.5F600	
	€ 12	14	16	20	
Art. 285G GUARNIZIONE SEAL	COD. 4.28.5G100	4.28.5G300	4.28.5G500	4.28.5G600	
	€ 5	6	7	9	
Art. 285H ANELLO GUIDA GUIDING RING	COD. 4.28.5H100	4.28.5H300	4.28.5H500	4.28.5H600	
	€ 5	6	7	9	
Diametro filettato cilindro / Cylinder O.D.	mm	30	40	50	70
Corso / Stroke	mm	30	40	40	40
Area effettiva del cilindro / Cylinder effective area	cm ²	3	7	9,6	19,6
Pressione max. d'esercizio / Max operating pressure (1 bar = 14,5 psi)	bar	450			
Pressione max. d'esercizio / Max operating pressure (1 psi = 0,069 bar)	psi	6525			

Art. 568

CILINDRO IDRAULICO AD INGOMBRO RIDOTTO
SHORT HYDRAULIC CYLINDER



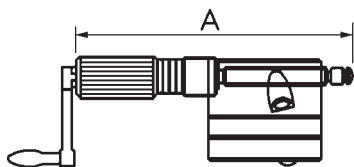
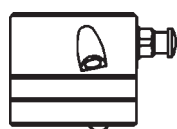
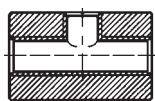
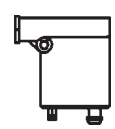
CILINDRO DIAMETRO ESTERNO (mm) CYLINDER OUTSIDE DIAMETER (mm)		T1	T2 - T3 - T4	T5	T6
		30	40	50	70
Art. 568A	CILINDRO CYLINDER	COD. 4.56.8A100 € 126	COD. 4.56.8A300 € 126	COD. 4.56.8A500 € 162	COD. 4.56.8A600 € 210
Art. 285B	GUARNIZIONE PISTONE PISTON SEAL	COD. 4.28.5B100 € 5	COD. 4.28.5B300 € 6	COD. 4.28.5B500 € 7	COD. 4.28.5B600 € 9
Art. 568C	PISTONE PISTON	COD. 4.56.8C100 € 84	COD. 4.56.8C300 € 84	COD. 4.56.8C500 € 108	COD. 4.56.8C600 € 140
Art. 568D	MOLLA SPRING	COD. 4.56.8D100 € 10	COD. 4.56.8D300 € 12	COD. 4.56.8D500 € 14	COD. 4.56.8D600 € 18
Art. 568E	BUSSOLA BUSHING	COD. 4.56.8E100 € 6	COD. 4.56.8E300 € 7	COD. 4.56.8E500 € 8	COD. 4.56.8E600 € 10
Art. 568F	GHIERA BLOCKING NUT	COD. 4.56.8F100 € 12	COD. 4.56.8F300 € 14	COD. 4.56.8F500 € 16	COD. 4.56.8F600 € 20
Art. 285G	GUARNIZIONE SEAL	COD. 4.28.5G100 € 5	COD. 4.28.5G300 € 6	COD. 4.28.5G500 € 7	COD. 4.28.5G600 € 9
Art. 285H	ANELLO GUIDA GUIDING RING	COD. 4.28.5H100 € 5	COD. 4.28.5H300 € 6	COD. 4.28.5H500 € 7	COD. 4.28.5H600 € 9
Diametro filettato cilindro / Cylinder O.D.....mm		30	40	50	70
Corso / Stroke.....mm		15	16	20	20
Area effettiva del cilindro / Cylinder effective area.....cm ²		3	7	9,6	19,6
Pressione max. d'esercizio / Max operating pressure (1 bar = 14,5 psi).....bar		450			
Pressione max. d'esercizio / Max operating pressure (1 psi = 0,069 bar).....psi		6525			

Art. 569

CILINDRO IDRAULICO A DOPPIO EFFETTO
DOUBLE ACTING HYDRAULIC CYLINDER



CILINDRO DIAMETRO ESTERNO (mm) CYLINDER OUTSIDE DIAMETER (mm)		T1	T2 - T3 - T4	T5	T6
		30	40	50	70
Art. 569A	CILINDRO CYLINDER	COD. 4.56.9A100 € 138	COD. 4.56.9A300 € 186	COD. 4.56.9A500 € 210	COD. 4.56.9A600 € 275
Art. 285B	GUARNIZIONE PISTONE PISTON SEAL	COD. 4.28.5B100 € 5	COD. 4.28.5B300 € 6	COD. 4.28.5B500 € 7	COD. 4.28.5B600 € 9
Art. 285C	PISTONE PISTON	COD. 4.28.5C100 € 92	COD. 4.28.5C300 € 124	COD. 4.28.5C500 € 140	COD. 4.28.5C600 € 182
Art. 569B	PROLUNGA CILINDRO CYLINDER EXTENSION	COD. 4.56.9B100 € 5	COD. 4.56.9B300 € 6	COD. 4.56.9B500 € 7	COD. 4.56.9B600 € 9
Art. 569D	ANELLO GUIDA GUIDING RING	COD. 4.56.9D100 € 5	COD. 4.56.9D300 € 6	COD. 4.56.9D500 € 7	COD. 4.56.9D600 € 9
Art. 569E	RASCHIATORE SCRAPING SEAL	COD. 4.56.9E100 € 5	COD. 4.56.9E300 € 6	COD. 4.56.9E500 € 7	COD. 4.56.9E600 € 9
Art. 569F	GUARNIZIONE CILINDRO CYLINDER SEAL	COD. 4.56.9F100 € 5	COD. 4.56.9F300 € 6	COD. 4.56.9F500 € 7	COD. 4.56.9F600 € 9
Art. 569G	GUARNIZIONE SEAL	COD. 4.56.9G100 € 5	COD. 4.56.9G300 € 6	COD. 4.56.9G500 € 7	COD. 4.56.9G600 € 9
Art. 285H	ANELLO GUIDA GUIDING RING	COD. 4.28.5H100 € 5	COD. 4.28.5H300 € 6	COD. 4.28.5H500 € 7	COD. 4.28.5H600 € 9
Diametro filettato cilindro / Cylinder O.D.....mm		30	40	50	70
Corso / Stroke.....mm		30	40	40	40
Area effettiva del cilindro / Cylinder effective area.....cm ²		3	7	9,6	19,6
Pressione max. d'esercizio / Max operating pressure (1 bar = 14,5 psi).....bar		450			
Pressione max. d'esercizio / Max operating pressure (1 psi = 0,069 bar).....psi		6525			

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6
COMPONENTI E ACCESSORI COMPONENTS AND ACCESSORIES							
Art. 257 GRUPPO DI SERRAGGIO A VITE IDRAULICA (AUTONOMO) HYDRAULIC HAND SCREW CLAMPING DEVICE (SELF CONTAINED) 	A mm	300	315	420	420	370	370
	COD.	-	-	2.25.73000	2.25.74000	2.25.75000	2.25.76000
	€	-	-	544	581	711	744
Art. 270 SUPPORTO DI SERRAGGIO CON CILINDRO IDRAULICO INCORPORATO CLAMPING SUPPORT WITH INTEGRAL HYDRAULIC CYLINDER 	kg	0,5	1,4	2,2	3,2	5,8	10,8
	COD.	2.27.01000	2.27.02000	2.27.03000	2.27.04000	2.27.05000	2.27.06000
	€	330	346	359	387	530	630
Art. 284 SUPPORTO DI SARRAGGIO PER MANDRINO A VITE IDRAULICA CLAMPING SUPPORT FOR HYDRAULIC SPINDLE 	COD.	2.28.41000	2.28.42000	2.28.43000	2.28.44000	2.28.45000	2.28.46000
	€	147	156	169	206	303	336
Art. 286 MANDRINO A VITE IDRAULICA HYDRAULIC SPINDLE 	COD.	-		4.28.63000		4.28.65000	
	€	-		375		408	
Art. 288 CAPPuccio PER MANDRINO A VITE IDRAULICA CAP. HYDRAULIC SPINDLE 	COD.	1.14.32000				1.14.52000	
	€	21				24	
Art. 290 MANOVELLA PER MANDRINO A VITE IDRAULICA CRANK HYDRAULIC SPINDLE 	COD.	0.09.72000		0.09.73000			
	€	40		43			
Art. 294 RACCORDO ALTA PRESSIONE A TRE VIE 3-WAY HIGH PRESSURE FITTING 	COD.	1.29.40000					
	€	40					
Art. 505 PRESSOSTATO PRESSURE SWITCH 	COD.	0.50.50000					
	€	350					

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

		1	2	3	4	5	6
Art. 390 N° 1 SERRAGGIO N° 1 CLAMPING MORSA NON COMPRESA VICES NOT INCLUDED	Art. 393 + 271 + 403 (m 1,5) 	COD. 4.39.01000	4.39.02000	4.39.03000	4.39.04000	4.39.05000	4.39.06000
		€ 1.195	1.203	1.210	1.233	1.362	1.438
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
		€ 1.446	1.461	1.476	1.522	1.780	1.932
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
		€ 1.697	1.719	1.742	1.811	2.198	2.426
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
		€ 1.947	1.978	2.008	2.099	2.616	2.920
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
		€ 1.713	1.728	1.743	1.789	2.047	2.199
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
		€ 2.230	2.253	2.276	2.344	2.732	2.960
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
		€ 2.748	2.779	2.809	2.899	3.417	3.721
Art. 407 GRUPPO DI SERRAGGIO INDIPENDENTE INDEPENDENT CLAMPING GROUP	Art. 271 + 397 + 403 (m 1,5) 	COD. 4.40.71000	4.40.72000	4.40.73000	4.40.74000	4.40.75000	4.40.76000
		€ 518	525	533	556	685	761

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6
Art. 391 N° 1 SERRAGGIO N° 1 CLAMPING MORSA NON COMPRESA VICES NOT INCLUDED	Art. 395 + 271 + 403 (m 1,5) 	COD. 4.39.11000	4.39.12000	4.39.13000	4.39.14000	4.39.15000	4.39.16000
	€	1.195	1.203	1.210	1.233	1.362	1.438
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
	€	1.446	1.461	1.476	1.522	1.780	1.932
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
	€	1.697	1.720	1.742	1.811	2.198	2.426
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
	€	1.948	1.978	2.008	2.100	2.616	2.920
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
	€	1.845	1.860	1.875	1.921	2.179	2.331
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
	€	2.495	2.518	2.540	2.609	2.996	3.224
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
	€	3.145	3.175	3.205	3.297	3.813	4.117
Art. 407A GRUPPO DI SERRAGGIO INDIPENDENTE INDEPENDENT CLAMPING GROUP	Art. 271 + 398 + 403 (m 1,5) 	COD. 4.40.7A100	4.40.7A200	4.40.7A300	4.40.7A400	4.40.7A500	4.40.7A600
	€	650	657	665	688	817	893

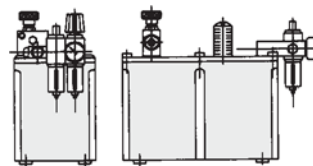
TIPO (GRANDEZZA) MORSA **WISE TYPE (SIZE)**

		1	2	3	4	5	6
Art. 392	Art. 394+271+402+403 (m 1,5)	COD. 4.39.21000	4.39.22000	4.39.23000	4.39.24000	4.39.25000	4.39.26000
N° 1 SERRAGGIO N° 1 CLAMPING	271 Cilindro idraulico Hydraulic cylinder 403 Tubo idraulico "Multispiral" Hydraulic pipe "Multispiral" 394 Centralina a comando pneumatico Power unit with air control valve 402 Valvola pneumatica Pneumatic valve MORSA NON COMPRESA VICES NOT INCLUDED	€ 1.260	1.267	1.275	1.298	1.427	1.503
Art. 392/2	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
N° 2 SERRAGGI CONTEMPORANEI N° 2 SIMULTANEOUSLY CLAMPING	Ingresso aria Air inlet 394 402 403 271 Art. 392 +1 Art. 271	€ 1.511	1.526	1.541	1.587	1.845	1.997
Art. 392/3	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
N° 3 SERRAGGI CONTEMPORANEI N° 3 SIMULTANEOUSLY CLAMPING	Ingresso aria Air inlet 394 402 403 271 Art. 392 +2 Art. 271	€ 1.761	1.784	1.807	1.875	2.263	2.491
Art. 392/4	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
N° 4 SERRAGGI CONTEMPORANEI N° 4 SIMULTANEOUSLY CLAMPING	Ingresso aria Air inlet 394 402 403 271 Art. 392 +3 Art. 271	€ 2.012	2.043	2.073	2.164	2.681	2.985
Art. 392A/2	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
N° 2 SERRAGGI INDIPENDENTI N° 2 INDEPENDENT CLAMPING	Ingresso aria Air inlet 394 402 403 271 Art. 392 +1 Art. 407B	€ 2.057	2.074	2.089	2.141	2.465	2.618
Art. 392A/3	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
N° 3 SERRAGGI INDIPENDENTI N° 3 INDEPENDENT CLAMPING	Ingresso aria Air inlet 394 403 402 271 Art. 392 +2 Art. 407B	€ 2.393	2.415	2.437	2.503	2.878	3.099
Art. 392A/4	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
N° 4 SERRAGGI INDIPENDENTI N° 4 INDEPENDENT CLAMPING	Ingresso aria Air inlet 394 403 402 271 Art. 392 +3 Art. 407B	€ 2.960	2.989	3.019	3.106	3.604	3.896
Art. 407B	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
GRUPPO DI SERRAGGIO INDIPENDENTE INDEPENDENT CLAMPING GROUP	403 402 Valvola pneumatica Pneumatic valve 271 396	€ 597	604	612	635	764	840

CENTRALINE OLEOPNEUMATICHE
HYDROPNEUMATIC POWER UNITS
Art. 393

CENTRALINA A COMANDO MANUALE - PRESSIONE MAX bar 450
POWER UNIT WITH MANUAL CONTROL - MAX PRESSION bar 450

Con mantenimento e ripristino automatico della pressione desiderata
Automatic retention and reset of desired pressure



COD. 4.39.34500

€ 864

Art. 397

BLOCCO MODULARE PER COMANDO MANUALE AGGIUNTIVO PER OGNI MORSA EXTRA
MODULAR BLOCK FOR MANUAL CONTROL FOR EACH EXTRA VISE



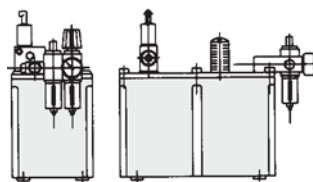
COD. 4.39.70000

€ 151

Art. 394

CENTRALINA A COMANDO PNEUMATICO - PRESSIONE MAX bar 450
POWER UNIT WITH PNEUMATIC CONTROL - MAX PRESSION bar 450

Con mantenimento e ripristino automatico della pressione desiderata
Automatic retention and reset of desired pressure



COD. 4.39.44500

€ 864

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

€ 166

Art. 400

PEDALE BISTABILE
TWO POSITIONS FOOT PEDAL



COD. 4.40.00000

€ 95

Art. 402

VALVOLA PNEUMATICA
PNEUMATIC VALVE



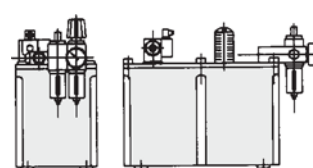
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€ 68

Art. 395

CENTRALINA A COMANDO ELETTRICO - PRESSIONE MAX bar 450
POWER UNIT WITH ELECTRICAL CONTROL - MAX PRESSION bar 450

Con mantenimento e ripristino automatico della pressione desiderata
Automatic retention and reset of desired pressure

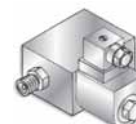


COD. 4.39.54500

€ 864

Art. 398

BLOCCO MODULARE PER COMANDO ELETTRICO AGGIUNTIVO PER OGNI MORSA EXTRA
MODULAR BLOCK FOR ELECTRICAL CONTROL FOR EACH EXTRA VISE

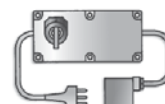


COD. 4.39.80000

€ 290

Art. 401

PULSANTIERA per 1 AZIONAMENTO
PUSHBUTTON BOARD for ONE CONTROL OPERATION



COD. 4.40.10000

€ 109

Art. 399

GRUPPO FILTRO RIDUTTORE + LUBRIFICATORE
COMPRESSED AIR PREPARATION UNIT



COD. 4.39.90000

€ 132

Art. 403

€ 109 per ogni metro extra € 109 for each extra meter

Tubo idraulico "MULTISPIRAL" 760 bar completo di raccordi - Innesto rapido maschio-femmina già montato
Hydraulic pipe "MULTISPIRAL" 760 bar complete with fitting and rapid connections



COD. 4.40.30000

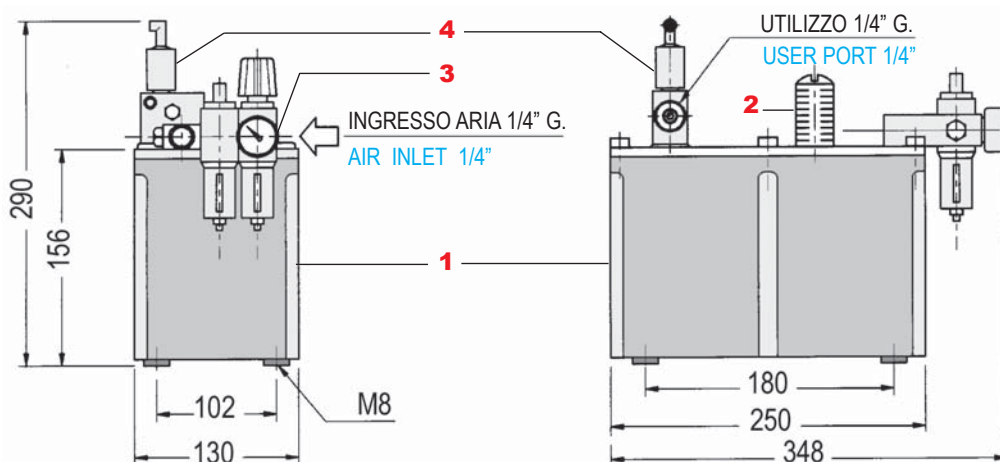
€ 130

ISTRUZIONI
INSTRUCTIONS
CENTRALINA OLEOPNEUMATICA

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.

HYDROPNEUMATIC POWER UNIT

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.



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** ED 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**, AND HYDRAULIC CONTROL BLOCK **4**.

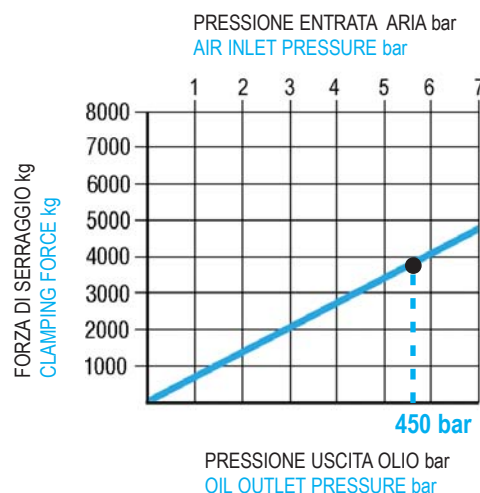
CARATTERISTICHE TECNICHE
SPECIFICATION

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=	L / 1' Litres /min
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 ELECTROHYDRAULIC CONTROL:	150 bar
NUMERO MASSIMO CONSIGLIATO DI UTILIZZI: MAX SIMULTANEOUS NUMBER OF CLAMPINGS:	6

TIPO DI CENTRALINA
POWER UNIT TYPE

450

T 2/3/4



SERRAGGIO MECCANICO CON CHIAVE DINAMOMETRICA

GRUPPI DI SERRAGGIO MECCANICI

(Art. 258 e similari)

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), in funzione della forza applicata.

MECHANICAL CLAMPING WITH TORQUE WRENCH

MECHANICAL CLAMPING DEVICES

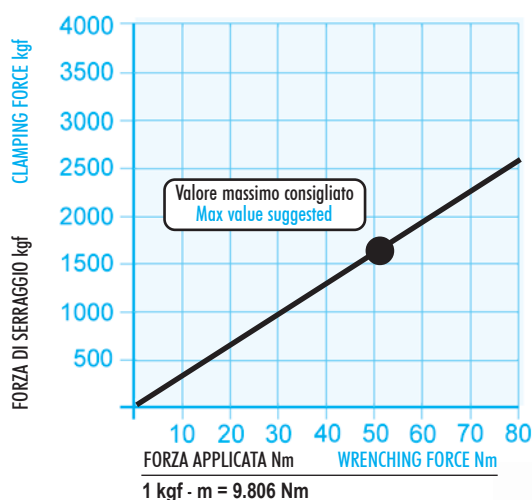
(Art. 258 and similar)

The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) as a function of wrenching force.

MORSE MODULARI TIPO 1
MODULAR VISES TYPE 1

VITE Ø 14 mm - PASSO 4 mm

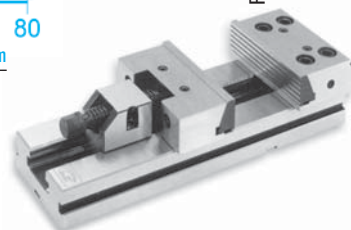
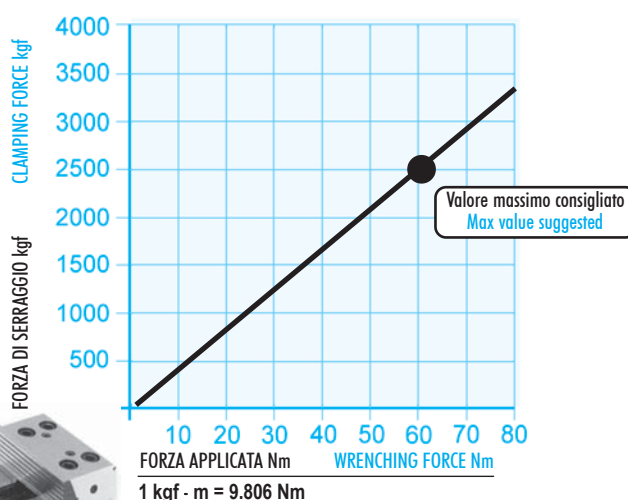
SCREW Ø 14 mm - PITCH 4 mm



MORSE MODULARI TIPO 2
MODULAR VISES TYPE 2

VITE Ø 18 mm - PASSO 4 mm

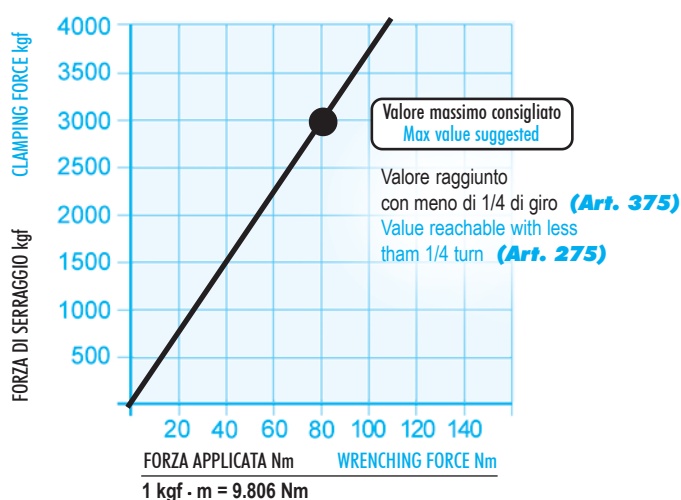
SCREW Ø 18 mm - PITCH 4 mm



MORSE MODULARI TIPO 3-4
MODULAR VISES TYPE 3-4

VITE Ø 24 mm - PASSO 5 mm

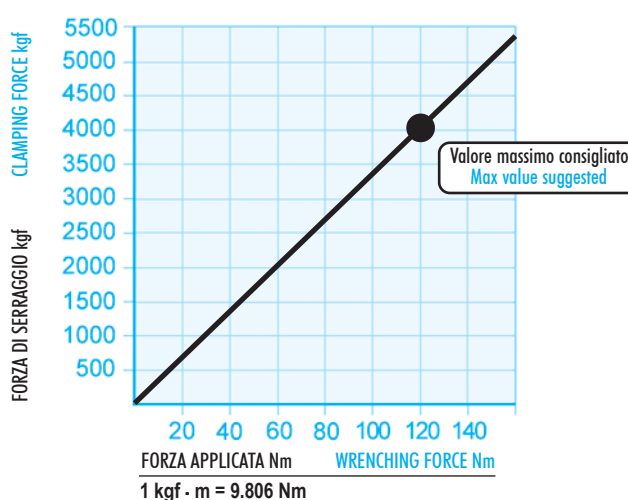
SCREW Ø 24 mm - PITCH 5 mm



MORSE MODULARI TIPO 5-6
MODULAR VISES TYPE 5-6

VITE Ø 30 mm - PASSO 5 mm

SCREW Ø 30 mm - PITCH 5 mm



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

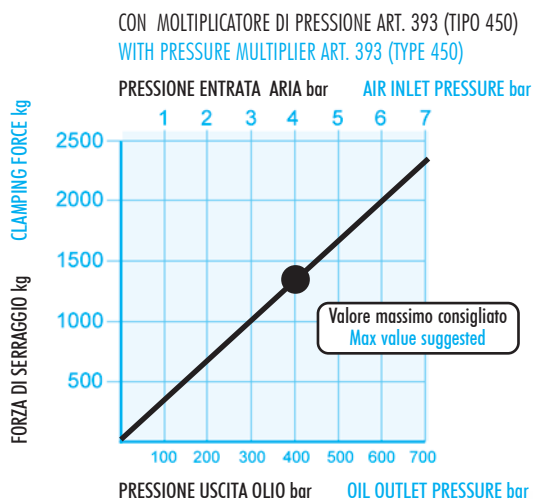
SERRAGGIO IDRAULICO

TRAMITE GRUPPI DI SERRAGGIO
OLEOPNEUMATICI E OLEODINAMICI

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), provvisti di vari dispositivi di bloccaggio idraulici, in funzione della pressione dei fluidi (aria e olio)

MORSE MODULARI TIPO 1
MODULAR VISES TYPE 1

CILINDRO IDRAULICO ART. 285-568-569
 Ø INT. 20 mm - SUPERFICIE EFFICACE 3 cm²
 HYDRAULIC CYLINDER ART. 285-568-569
 CYLINDER I.D. 20 mm - EFFECTIVE AREA 3 cm²

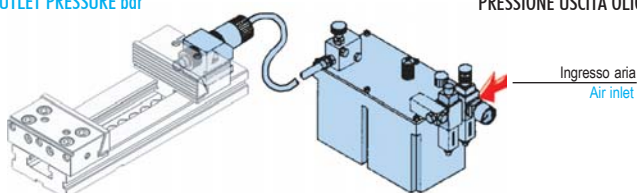
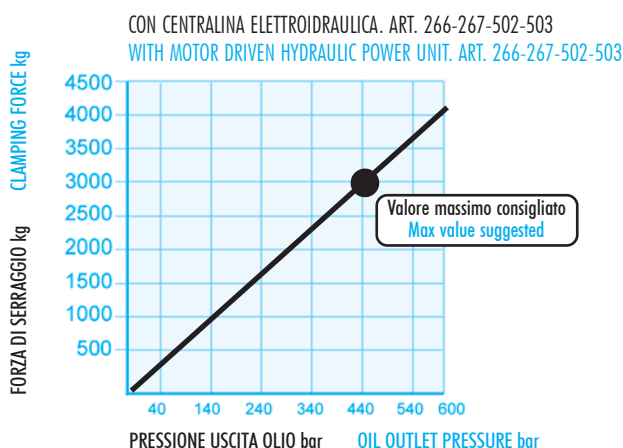
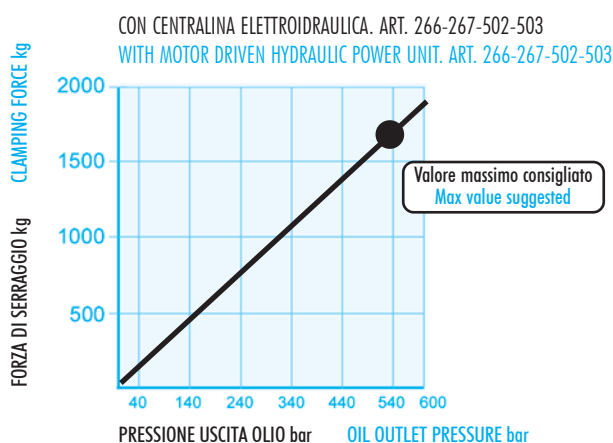
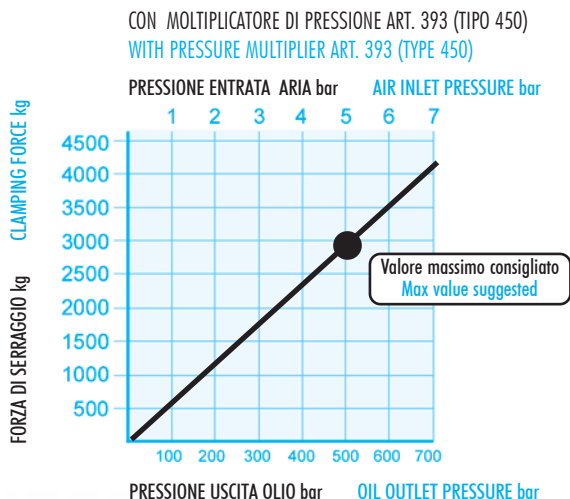

HYDRAULIC CLAMPING

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 hydraulic blocking devices, as a function of the fluid pressure (air or oil)

MORSE MODULARI TIPO 2-3-4
MODULAR VISES TYPE 2-3-4

CILINDRO IDRAULICO ART. 285-568-569
 Ø INT. 30 mm - SUPERFICIE EFFICACE 7 cm²
 HYDRAULIC CYLINDER ART. 285-568-569
 CYLINDER I.D. 30 mm - EFFECTIVE AREA 7 cm²



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

SERRAGGIO IDRAULICO

TRAMITE GRUPPI DI SERRAGGIO
OLEOPNEUMATICI E OLEODINAMICI

I diagrammi seguenti consentono di determinare le forze di serraggio ottenibili con le morse di varia grandezza (da 1 a 6), provvisti di vari dispositivi di bloccaggio idraulici, in funzione della pressione dei fluidi (aria e olio)

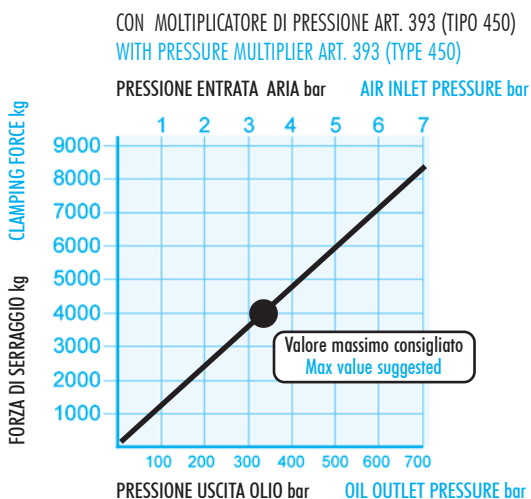
MORSE MODULARI TIPO 5
MODULAR VISES TYPE 5

CILINDRO IDRAULICO ART. 285-568-569

Ø INT. 40 mm - SUPERFICIE EFFICACE 12,5 cm²

HYDRAULIC CYLINDER ART. 285-568-569

CYLINDER I.D. 40 mm - EFFECTIVE AREA 12,5 cm²


HYDRAULIC 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 hydraulic blocking devices, as a function of the fluid pressure (air or oil)

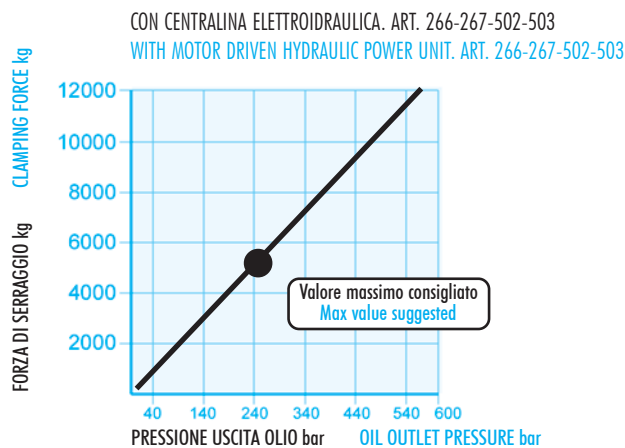
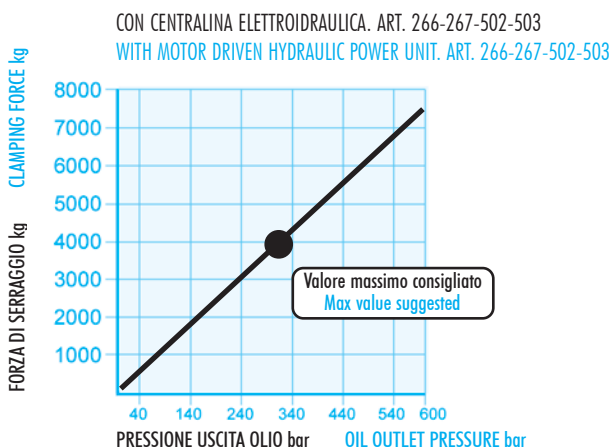
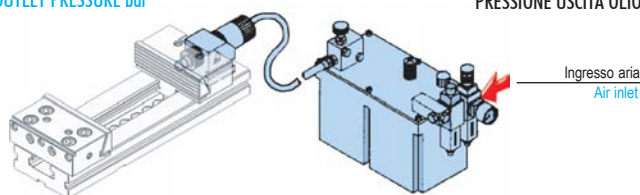
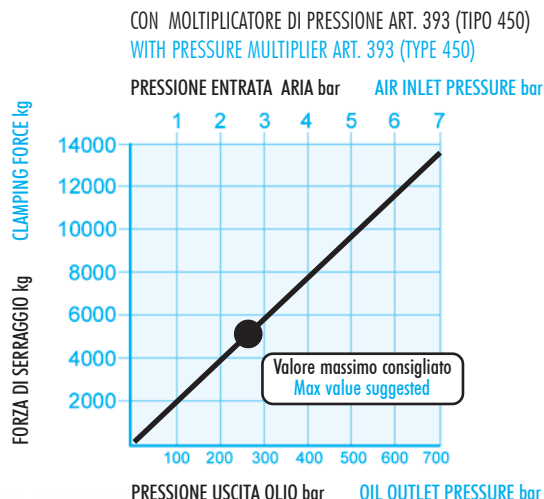
MORSE MODULARI TIPO 6
MODULAR VISES TYPE 6

CILINDRO IDRAULICO ART. 285-568-569

Ø INT. 50 mm - SUPERFICIE EFFICACE 19,6 cm²

HYDRAULIC CYLINDER ART. 285-568-569

CYLINDER I.D. 50 mm - EFFECTIVE AREA 19,6 cm²



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

4

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6
Art. 266	COD.	2.26.61000	2.26.62000	2.26.63000	2.26.64000	2.26.65000	2.26.66000
GRUPPO DI SERRAGGIO CON CENTRALINA OLEODINAMICA COMPLETA A EFFETTO SEMPLICE Art. 502 + Art. 271 + Art. 403 HYDRAULIC CLAMPING DEVICE COMPLETE WITH MOTOR-DRIVEN POWER UNIT SINGLE ACTING	€	6.123	6.133	6.141	6.171	6.350	6.400
Art. 267	COD.	2.26.71000	2.26.72000	2.26.73000	2.26.74000	2.26.75000	2.26.76000
GRUPPO DI SERRAGGIO CON CENTRALINA OLEODINAMICA COMPLETA A DOPPIO EFFETTO Art. 503 + Art. 271 + Art. 403 HYDRAULIC CLAMPING DEVICE COMPLETE WITH MOTOR-DRIVEN POWER UNIT DOUBLE ACTING	€	6.618	6.628	6.636	6.666	6.865	6.943
Art. 502	COD.	2.50.20000					
CENTRALINA OLEODINAMICA A EFFETTO SEMPLICE (UNITA' ELETTROIDRAULICA SENZA GRUPPO DI BLOCCAGGIO Art. 271) ELECTRIC MOTOR DRIVEN HYDRAULIC POWER UNIT SINGLE ACTING (WITHOUT BLOCKING DEVICE Art. 271)	€	5.763					
Art. 503	COD.	2.50.30000					
CENTRALINA OLEODINAMICA A DOPPIO EFFETTO (UNITA' ELETTROIDRAULICA SENZA GRUPPO DI BLOCCAGGIO Art. 271) ELECTRIC MOTOR DRIVEN HYDRAULIC POWER UNIT DOUBLE ACTING (WITHOUT BLOCKING DEVICE Art. 271)	€	6.258					

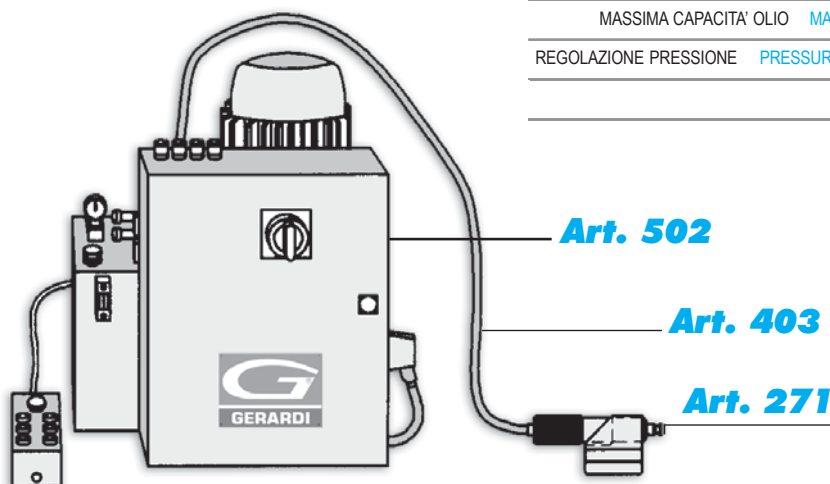
La lunghezza standard dei collegamenti
elettrici ed idraulici è di **1.600 mm**.
**Extra lunghezze saranno quotate
separatamente.**

Standard lenght for electrical wire and
high pressure hose is **1.600 mm**.
Extra lenght will be quoted separatly.

GRUPPI DI BLOCCAGGIO CON CENTRALINA OLEODINAMICA HYDRAULIC BLOCKING DEVICE WITH MOTOR DRIVEN POWER UNIT

TIPO e CARATTERISTICHE TYPE and CHARACTERISTICS		Art. 266 Art. 502 A SEMPLICE EFFETTO SINGLE - ACTING	Art. 267 Art. 503 A DOPPIO EFFETTO DOUBLE - ACTING
PRESSIONE MASSIMA D'ESERCIZIO: MAX. OPENING PRESSURE:	bar psi	600 10000	
PORTATA DELIVERY:	l/min	40	
POTENZA MOTORE MOTOR POWER:	kW	5,5	
MASSIMA CAPACITA' OLIO MAX. OIL CAPACITY:	l/min	200	
REGOLAZIONE PRESSIONE PRESSURE ADJUSTEMENT:	PRESSOSTATO BY PRESSURE SWITCH		
PESO WEIGHT:	kg	-	-

Art. 266



Per bloccaggi multipli
chiedere la quotazione

For multiple blocking unit
ask for quotation