

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

4

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 ganasce fissa
Extension for fixed jaw

Art. 132

Prolunga per ganasce mobile
Extension for movable jaw

Art. 212

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

Art. 127

Ganasce mobili guidate monoblocco costruite con un angolo di spinta verso il basso
Guided movable jaws built in one solid body with a pull down angle

Art. 105

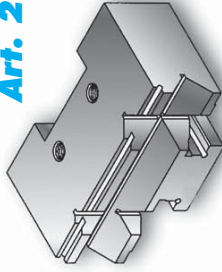
Base girevole (0° + 360°) utilizzabile per bloccaggi che necessitano movimenti di rotazione dell'attrezzatura sulla tavola indipendenti, permette di ottenere l'angolo desiderato velocemente e con ripetibilità centesimale. Swivel base (0° + 360°) is used for clamping which need rotation movements of the working fixture on the machine table, it allows to get quickly and with centesimal precision any angle.

Art. 2

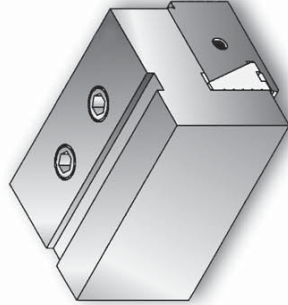
Morsa con base girevole
Vise with swivel base

TIPO (GRANDEZZA) MORSA		VISE TYPE (SIZE)					
GANASCE STANDARD STANDARD JAWS		1	2	3	4	5	6
Art. 120	GANASCIA FISSA - LARGHEZZA NORMALE FIXED JAW - NORMAL WIDTH	€ 115	146	175	206	294	454
Art. 121	GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA FIXED JAW - NARROW WIDTH FLISH GROUND	€ 149	189	227	267	381	590
Art. 123	GANASCIA FISSA DOPPIA - LARGHEZZA NORMALE DOUBLE FIXED JAW - NORMAL WIDTH	€ 155	214	260	305	454	679
Art. 124	GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA DOUBLE FIXED JAW - NARROW WIDTH FLUSH GROUND	€ 200	279	339	397	590	882
Art. 127	GANASCIA MOBILE GUIDATA - LARGHEZZA NORMALE GUIDED MOVABLE JAW - NORMAL WIDTH	€ 115	146	175	206	294	454
Art. 129	GANASCIA MOBILE GUIDATA - LARGHEZZA SUPER RIDOTTA GUIDED MOVABLE JAW - SUPER NARROW WIDTH	€ 115	146	175	206	294	454
Art. 126	GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE FLOATING MOVABLE JAW - NORMAL WIDTH	€ 115	146	175	206	294	454
Art. 128	GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA FLOATING MOVABLE JAW - SUPER NARROW WIDTH	€ 115	146	175	206	294	454
Art. 190	GANASCIA MOBILE GUIDATA CON 2 SEGMENTI OSCILLANTI LARGHEZZA NORMALE GUIDED MOVABLE JAW WITH TWO FLOATING SEGMENTS NORMAL WIDTH	€ 165	262	322	381	551	801
Art. 191	GANASCIA MOBILE GUIDATA CON 2 SEGMENTI OSCILLANTI LARGHEZZA SUPER RIDOTTA GUIDED MOVABLE JAW WITH TWO FLOATING SEGMENTS SUPER NARROW WIDTH	€ 165	262	322	381	551	801

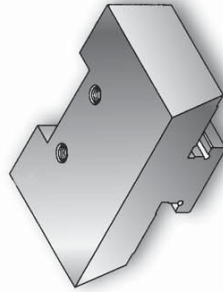
Art. 217



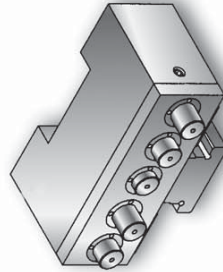
Art. 138



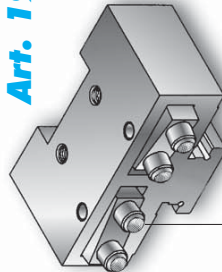
Art. 210



Art. 188

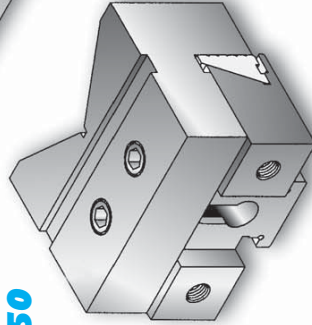


Art. 190

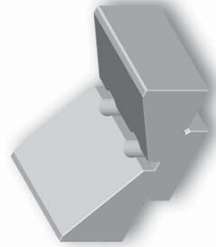


**PUNTALE SFERICO EXTRA
SPHERICAL POINT EXTRA**

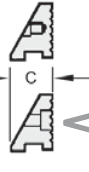
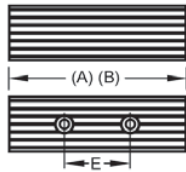
Art. 150



Art. 152
INSERTO PRISMATICO
PRISMATIC INSERT



TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6
RICAMBI PER GANASCE STANDARD	(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



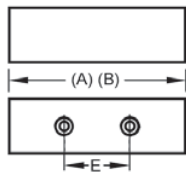
PIASTRE RIGATE
GROOVED JAW PLATES

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 taylor made jaw plate double the price

Art. 230 PER GANASCIA FISSA E MOBILE - Art. 120, 127 129 - LARGHEZZA NORMALE (A) FOR FIXED AND MOVABLE JAW - Art. 120, 127, 129 - 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



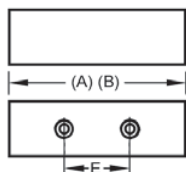
PIASTRE LISCE TEMPERATE
HARDENED SMOOTH JAW PLATES

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 taylor made jaw plate double the price

Art. 232 PER GANASCIA FISSA E MOBILE - Art. 120, 127 129 - LARGHEZZA NORMALE (A) FOR FIXED AND MOVABLE JAW - Art. 120, 127, 129 - 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 taylor made jaw plate double the price

Art. 234 PER GANASCIA FISSA E MOBILE - Art. 120, 127 129 - LARGHEZZA NORMALE (A) FOR FIXED AND MOVABLE JAW - Art. 120, 127, 129 - 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	
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
€	81	87	95	101	117	130	
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
€	81	87	95	101	117	130	
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
€	67	73	81	88	101	117	
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
€	67	73	81	88	101	117	
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
€	23	28	33	33	40	40	
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
€	45	57	71	71	82	82	
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
€	38	43	43	57	82	88	
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
€	7	7	7	7	7	7	
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
€	5	5	6	6	8	8	
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
€	4	4	4	4	5	5	
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
€	4	4	4	4	5	5	
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
€	4	4	4	4	5	5	
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
€	4	4	4	4	5	5	
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
€	4	4	4	4	5	5	
Art. 440 DADO PER ARRESTO LATERALE NUT FOR WORKSTOP		COD. 2.44.01000	2.44.02000	2.44.03000	2.44.04000	0.44.05000	0.44.06000
€	4	4	4	4	5	5	
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
€	23	28	33	33	40	40	
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
€	45	45	52	52	60	60	

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:

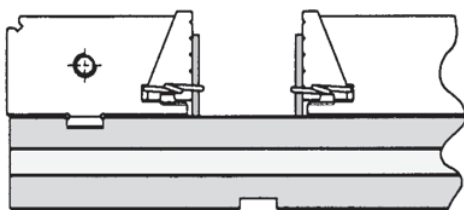
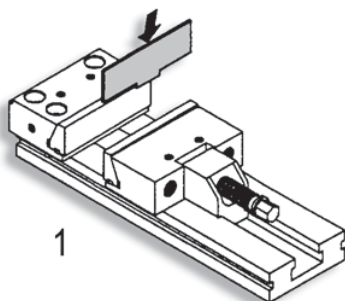
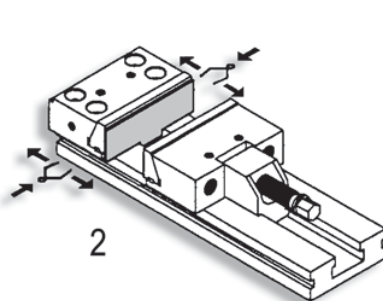
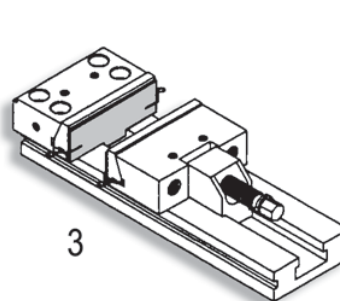
RAPIDITA' E PRECISIONE DI INSTALLAZIONE.
 RISPARMIO RISPETTO ALLA SOSTITUZIONE DELLA GANASCIA INTERA.
 MINORI INGOMBRI E COSTI RISPETTO ALLE PARALLELE STANDARD.
 Naturalmente tutti i componenti sono in acciaio speciale per molle e rettificati con tolleranze centesimali.

MODULAR BEARINGS PARALLELS QUICK POSITIONING

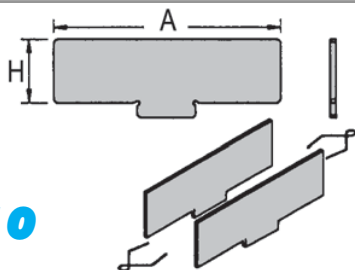
THE MODULAR BEARING PARALLELSPLATES ARE A FURTHER OPPORTUNITY OF THE GERARDI MODULAR SYSTEM. IT ALLOWS IN FACT THE QUICK AND ACCURATE POSITIONING OF STRAIGHT OR ANGOLAR PARALLELS PLATES TO MACHINE (MILLING, DRILLING AND TAPPING) FLAT PIECES OF ANY SIZE AND DIMENSION WITHOUT DISASSEMBLING OR POSITIONING THE FIXTURE AGAIN.

ADVANTAGES:

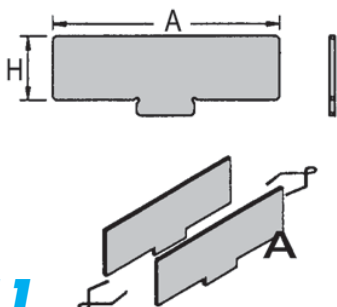
QUICK AND ACCURATE POSITIONING.
 SAVING WITH RESPECT TO THE SUBSTITUTION OF THE WHOLE JAW.
 SPACE AND MONEY SAVING WITH RESPECT TO THE STANDARD PARALLEL PLATES ART.295.
 Of course each component is made of hardened and ground spring steel and the accuracy is within 0,02 mm.


Art. 326

1

2

3

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

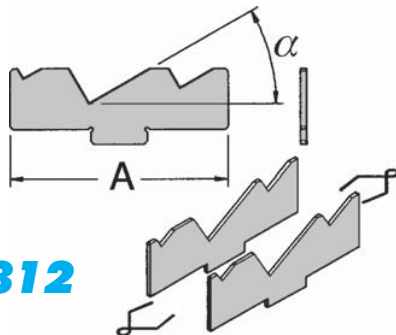
SET DI 10 COPPIE DI PIASTRE PARALLELE PIANE
SET OF 10 PAIRS OF STRAIGHT PARALLELS PLATES

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

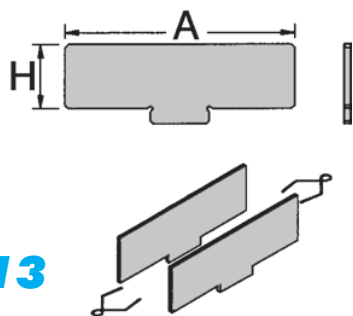
TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

Art. 326

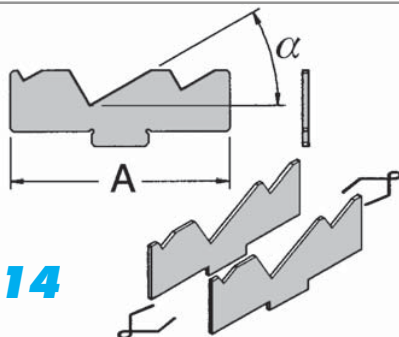

	1	2	3	4	5	6
COD.	4.32.61000			4.32.65000		
€	3			3		

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


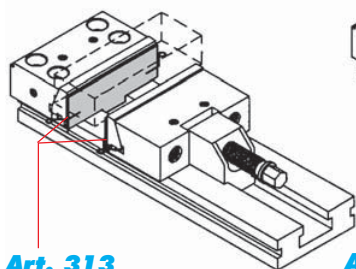
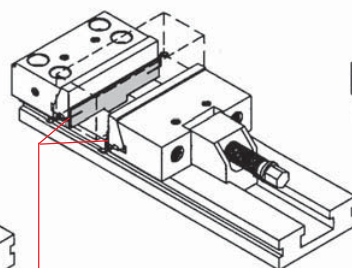
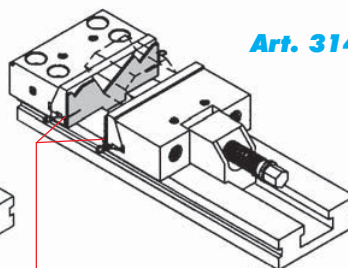
A	100	125	150	175	200	300
H	8	10	12	15	20	20
	10	12	15	20		25
	12	15	20	25		30
	14	20	25	30		35
	15	25	30	35		40
	18	28	35	40		45
	20	30	40	45		50
	22	33	43	50		55
	25	35	45	53	57	60
27	37	47	55	60	70	
COD.	4.31.31000	4.31.32000	4.31.33000	4.31.34000	4.31.35000	4.31.36000
€	50	65	82	97	109	124

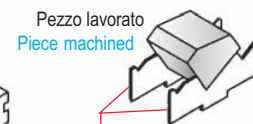
COPPIA DI PIASTRE PARALLELE ANGOLARI
PAIR OF ANGULAR PARALLELS PLATES
Art. 314


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

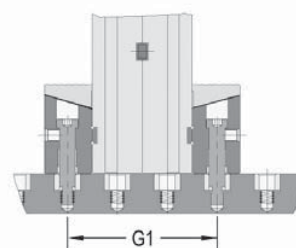
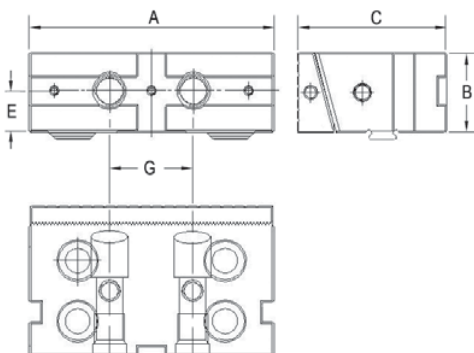
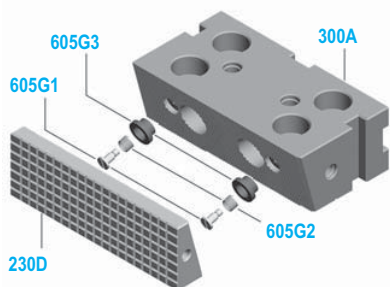
TYPICAL ARRANGEMENTS


Art. 313

Art. 313

Art. 314

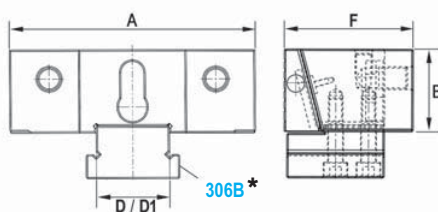
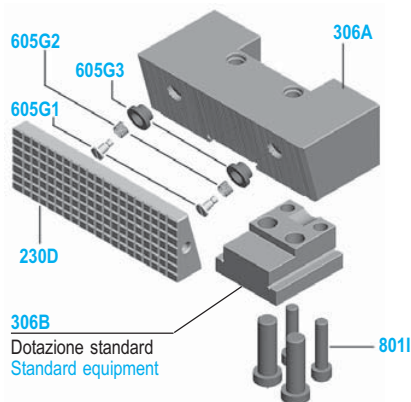
Art. 314

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
-	8011	8011	5-45
-	306C	306B	4-15

* La ganaschia mobile guidata, Art. 127A, può essere tramutata in ganaschia 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).

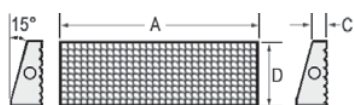
TIPO (GRANDEZZA) MORSA	WISE TYPE (SIZE)	1	2	3	4	5	6
A mm		96	121	146	171	196	296
B mm		28	38	48	58	63	78
C mm		77,9	77,9	89,4	96,9	113,4	-
D mm		21	28	41	51	61	-
Per ganaschia oscillante	For floating jaw	D1 mm	19	26	39	49	59
E mm		14	19	25	17	30	-
F mm		50	60	80	90	100	-
G mm		-	-	50	50	50	-
G1 mm		98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

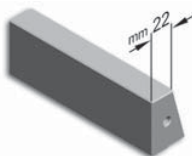
**SINGLE QUICK
CHANGE JAW PLATES**
Spares for quick change comb jaws



	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

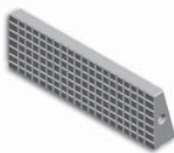
PIASTRA GANASCIA INTERCAMBIABILE **LISCIA** A PETTINE
SMOOTH COMB INTERCHANGEABLE JAW PLATE



COD.	4.23.0C101	4.23.0C201	4.23.0C301	4.23.0C4010	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

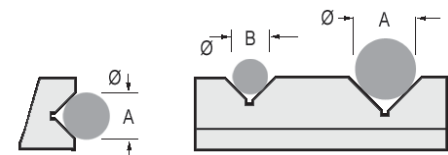
Art. 230E

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

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



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



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

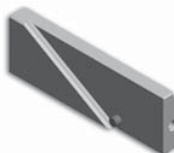
PIASTRA GANASCIA INTERCAMBIABILE **BOMBATA** A PETTINE
ROUND COMB INTERCHANGEABLE JAW PLATE



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**

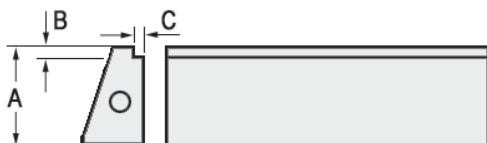
**For a set of pair:
SAVE 40%**
from list price
of a single
piece !

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	3	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

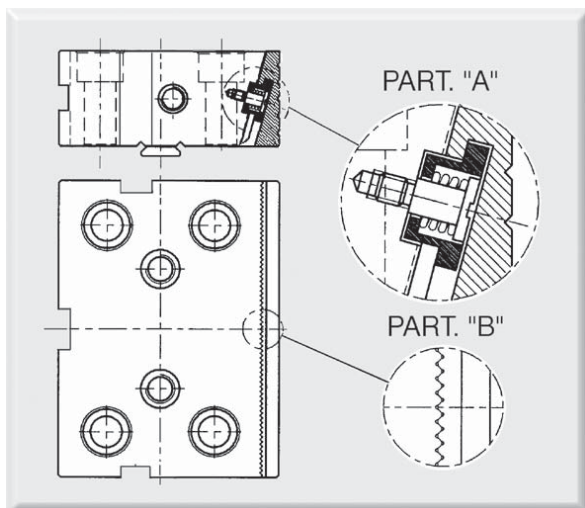
DIMENSIONI SPECIALI SPECIAL DIMENSIONS

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

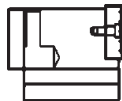

COD.	2.14.31000	2.14.32000	2.14.33000	2.14.34000	2.14.35000	2.14.36000
€	155	214	260	305	454	679

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

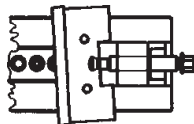
Art. 147

 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


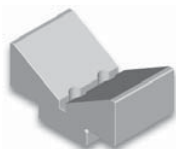
COD.	2.14.81000	2.14.82000	2.14.83000	2.14.84000	2.14.85000	2.14.86000
€	115	146	175	206	294	454

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

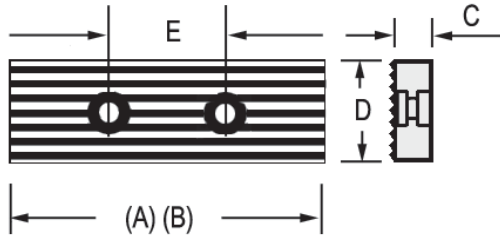
 INSERTO PRISMATICO
 PRISMATIC INSERT


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)

	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

**RICAMBI PER GANASCE CON
PIASTRE PIANE**
**SPARES FOR STRAIGHT
STANDARD JAWS**



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)

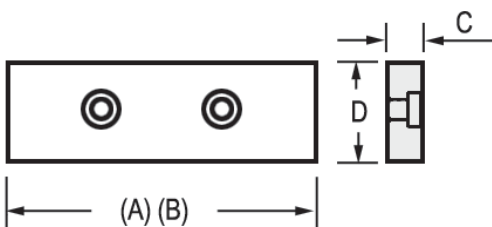
COD.	1.65.16000	1.65.26000	1.65.36000	1.65.46000	1.65.56000	1.65.66000
€	45	50	60	75	105	140

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 ganasce 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)





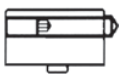
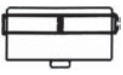
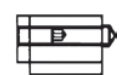
COD.	1.65.16200	1.65.26200	1.65.36200	1.65.46200	1.65.56200	1.65.66200
€	45	50	60	75	105	140

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

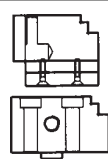
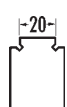

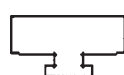
TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6	
GANASCE DOLCI MONOBLOCCO							
SOLID SOFT JAWS							
Art. 160 GANASCIA FISSA - LARGHEZZA NORMALE FIXED JAW - NORMAL WIDTH 	COD.	2.16.01000	2.16.02000	2.16.03000	2.16.04000	2.16.05000	2.16.06000
	€	115	146	175	206	294	454
Art. 161 GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA FIXED JAW - NARROW WIDTH FLUSCH GROUND 	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
Art. 163 GANASCIA FISSA DOPPIA - LARGHEZZA NORMALE DOUBLE FIXED JAW - NORMAL WIDTH 	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
Art. 164 GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA DOUBLE FIXED JAW - NARROW WIDTH FLUSCH GROUND 	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
Art. 166 GANASCIA MOBILE GUIDATA - LARGHEZZA NORMALE GUIDED MOVABLE JAW - NORMAL WIDTH 	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
Art. 167 GANASCIA MOBILE GUIDATA - LARGHEZZA SUPER RIDOTTA GUIDED MOVABLE JAW - SUPER NARROW WIDTH 	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
Art. 168 GANASCIA MOBILE OSCILLANTE LARGHEZZA NORMALE FLOATING MOVABLE JAW - NORMAL WIDTH 	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
Art. 169 GANASCIA MOBILE OSCILLANTE LARGHEZZA SUPER RIDOTTA FLOATING MOVABLE JAW - SUPER NARROW WIDTH 	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
GANASCE CON PUNTALI MECCANICI REGOLABILI							
JAWS WITH ADJUSTABLE SET SCREWS							
Art. 180 GANASCIA FISSA - LARGHEZZA NORMALE FIXED JAW - NORMAL WIDTH 	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
Art. 181 GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA FIXED JAW - NARROW WIDTH FLUSCH GROUND 	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
Art. 183 GANASCIA FISSA DOPPIA - LARGHEZZA NORMALE DOUBLE FIXED JAW - NORMAL WIDTH 	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
Art. 184 GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA DOUBLE FIXED JAW - NARROW WIDTH FLUSCH GROUND 	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
Art. 186 GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE FLOATING MOVABLE JAW - NORMAL WIDTH 	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
Art. 187 GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA FLOATING MOVABLE JAW - SUPER NARROW WIDTH 	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

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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

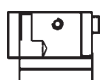
 GANASCIA MOBILE OSCILLANTE - LARGHEZZA NORMALE
 FLOATING MOVABLE JAW - NORMAL WIDTH


COD.	2.21.01000	2.21.02000	2.21.03000	2.21.04000	2.21.05000	2.21.06000
€	115	146	175	206	294	454
COD.	2.21.11000	2.21.12000	2.21.13000	2.21.14000	2.21.15000	2.21.16000
€	115	146	175	206	294	454

Art. 211

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

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
€	280	390	471	554	822	1.162
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

Art. 189

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

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
€	130	130	174	174	259	346

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
€	130	130	174	174	259	346

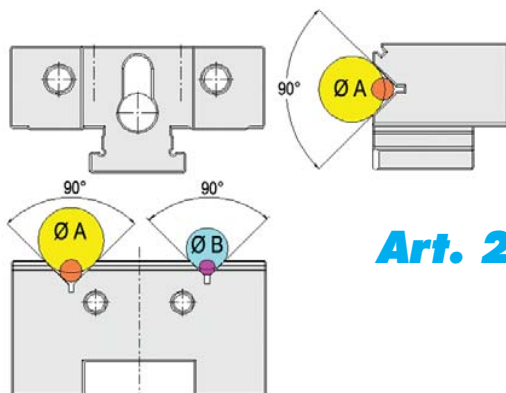
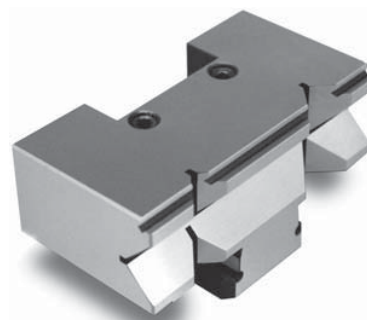
GANASCE PRISMATICHE
PRISMATIC JAWS
Art. 217

 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	
€	159	99	140	190	250	427	
COD.	2.21.81000	2.21.82000	2.21.83000	2.21.84000	2.21.85000	2.21.86000	
€	185	232	282	330	409	610	
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

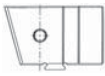


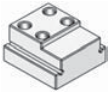
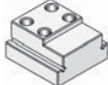

Art. 217 - 218


TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
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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
Art. 301 CORPO GANASCIA FISSA - LARGHEZZA RIDOTTA RETTIFICATA BODY FIXED JAW - NARROW WIDTH	COD.	1.35.10300	1.35.20300	1.35.30300	1.35.40300	1.35.50300	1.35.60300
	€	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
Art. 304 CORPO GANASCIA FISSA DOPPIA - LARGHEZZA RIDOTTA RETTIFICATA BODY DOUBLE FIXED JAW - NARROW WIDTH	COD.	1.35.11200	1.35.21200	1.35.31200	1.35.41200	1.35.51200	1.35.61200
	€	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
Art. 307 CORPO GANASCIA MOBILE GUIDATA - LARGHEZZA SUPER RIDOTTA BODY GUIDED MOVABLE JAW - SUPER NARROW WIDTH	COD.	1.36.11000	1.36.21000	1.36.31000	1.36.41000	1.36.51000	1.36.61000
	€	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
Art. 309 CORPO GANASCIA MOBILE OSCILLANTE - LARGHEZZA SUPER RIDOTTA BODY FLOATING MOVABLE JAW - SUPER NARROW WIDTH	COD.	1.36.10700	1.36.20700	1.36.30700	1.36.40700	1.36.50700	1.36.60700
	€	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
Art. 194 CORPO GANASCIA MOBILE GUIDATA A SEGMENTI OSCILLANTI LARGHEZZA SUPER RIDOTTA BODY GUIDED MOVABLE JAW WITH FLOATING SEGMENT - SUPER NARROW WIDTH 	COD.	1.19.41000	1.19.42000	1.19.43000	1.19.44000	1.19.45000	1.19.46000
	€	90	180	240	280	400	630

CORPI GANASCE CON PIASTRE INTERCAMPABIILI 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
Art. 303A CORPO GANASCIA FISSA DOPPIA BODY DOUBLE FIXED JAW 	COD.	1.30.3A100	1.30.3A200	1.30.3A300	1.30.3A400	1.30.3A500	1.30.3A600
	€	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
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
	€	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

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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

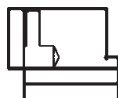
Art. 322

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

 CORPO GANASCIA FISSA
 LARGHEZZA NORMALE
 BODY FIXED JAW - NORMAL WIDTH


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

Art. 331

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

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

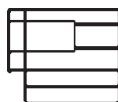

COD.	1.35.14500	1.35.24500	1.35.34500	1.35.44500	1.35.54500	1.35.64500
€	193	269	327	384	570	851

Art. 334

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

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


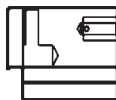
COD.	1.36.12900	1.36.22900	1.36.32900	1.36.42900	1.36.52900	1.36.62900
€	130	174	211	252	381	573

Art. 337

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

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


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

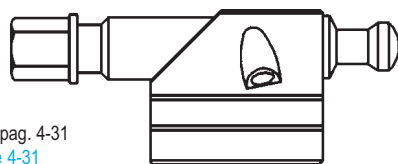
Art. 339

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

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

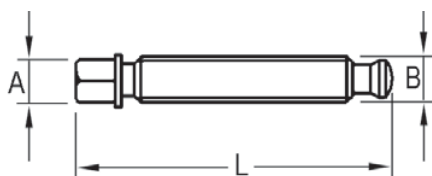
TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

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

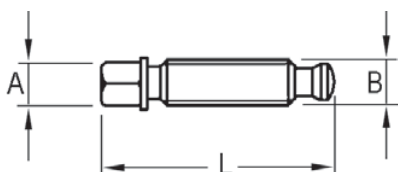
kg	0,4	1	1,9	2,9	5,3	7,8
COD.	2.25.81000	2.25.82000	2.25.83000	2.25.84000	2.25.85000	2.25.86000
€	115	135	165	185	230	345

PARTI STACcate E RICAMBI
LOOSE AND SPARE PARTS
Art. 360

 VITE DI SPINTA
 (NORMALE)
 CLAMPING BOLT
 (NORMAL)


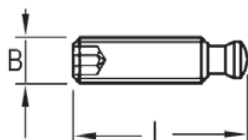
L mm	100	130	150	190
A mm	16	19	22	30
B mm	14 x 2	18 x 4	24 x 5	30 x 5
COD.	1.90.10144	1.90.20184	1.90.30245	1.90.50366
€	35	45	55	80

Art. 355

 VITE DI SPINTA
 (RIDOTTA)
 CLAMPING BOLT
 (SHORT)


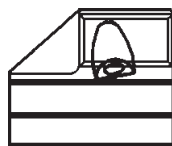
L mm	90	100	115	150
A mm	16	19	22	36
B mm	14 x 2	18 x 4	24 x 5	30 x 5
COD.	1.90.14144	1.90.24184	1.90.34245	1.90.54366
€	35	45	55	80

Art. 356

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


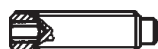
L mm	53	73	81	113
B mm	14 x 2	18 x 4	24 x 5	30 x 5
COD.	1.35.61000	1.35.62000	1.35.60003	1.35.60005
€	35	45	55	80

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

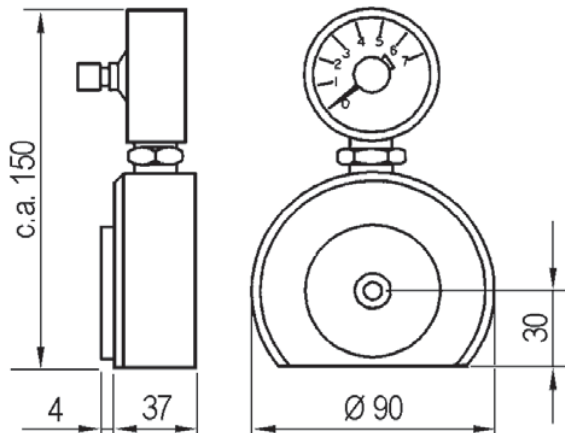


COD.	1.36.11001 9/16"	1.36.12002 3/4"	1.36.13003 7/8"	1.36.14004 7/8"	1.36.15005 1 1/8"	1.36.16006 1 1/8"
€	6	7	8	8	11	11

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	-	-

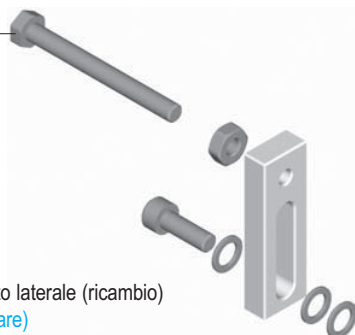
ACCESSORI MECCANICI
MECHANICAL ACCESSORIES
Art. 295

 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

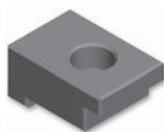
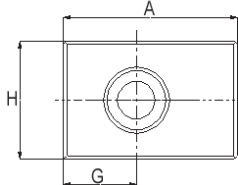
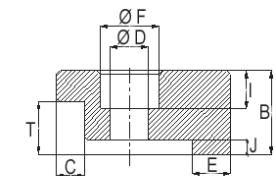
 VITE PRINCIPALE per arresto laterale (ricambio)
 MAIN BOLT for workstop (spare)

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

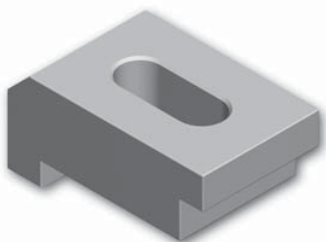
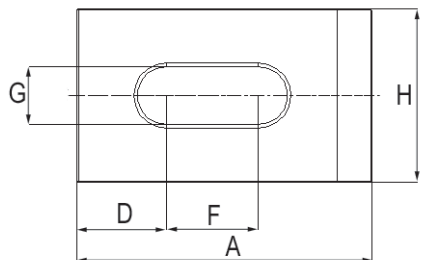
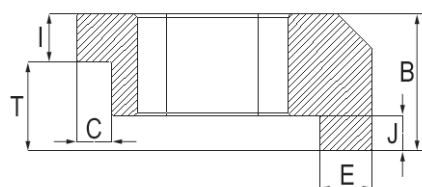
PAIR OF VISE HOLDING CLAMPS
COMPLETE OF SCREWS AND "T" NUTS Art. 287



4

TIPO (GRANDEZZA) MORSA	MORSA		A	B	C	D	E	F	G	H	I	J	±0,1 T	COD.	€
	STP	FMS													
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		

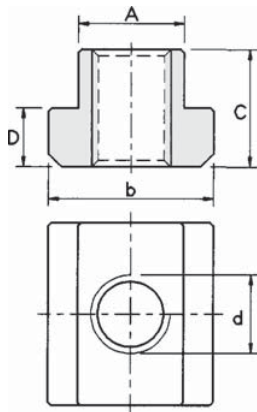
TIPO (GRANDEZZA) MORSA	MORSA		A	B	C	D	E	F	G	H	I	J	±0,1 T	COD.	€
	STP	FMS													
3 - 4	2 - 3	2 - 3	76	30	6	17	13	22	13	42	10	10	20	2.29.63000	40
			76	30	6	17	13	22	17	42	10	10	20		
5 - 6	4 - 5 - 6	-	86	40	10	26	15	27	13	50	14	10	26	2.29.65000	61
			86	40	10	26	15	27	17	50	14	10	26		



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

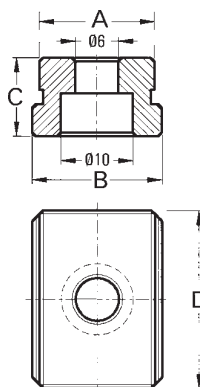
d	A	b	C	D
M16X18	17,7	28	20	10
M16X20	19,7	32	24	12
M16X22	21,7	35	28	14
M16X24	23,7	40	32	16
M16X28	27,7	44	36	18
M16X30	29,7	48	38	19
M16X36	35,6	54	44	22
M18X20	19,7	32	24	12
M18X22	21,7	35	28	14
M18X24	23,7	40	32	16
M18X28	27,7	44	36	18
M18X30	29,7	48	38	19
M18X36	35,6	54	44	22
M20X22	21,7	35	28	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		

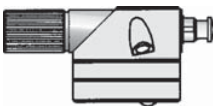
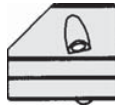





4

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

1 **2** **3** **4** **5** **6**
ATTREZZI E DOTAZIONI
TOOLS AND EQUIPMENT

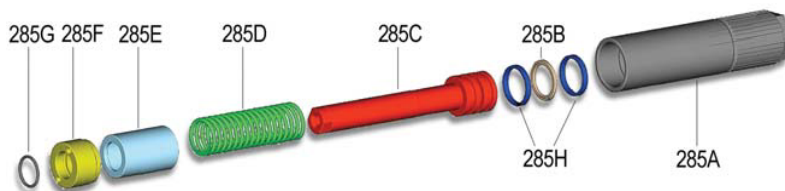
		R mm	200	250	285	480				
Art. 375 CHIAVE A PIPA * BOX WRENCH *		COD.	0.09.41160	0.09.42180	0.09.43320	0.09.45360				
		€	17	20	23	42				
Art. 376 CHIAVE A "T" * "T" WRENCH *		COD.	0.09.21400		0.09.23600	0.09.25100				
		€	10		11	13				
Art. 357 CHIAVE DINAMOMETRICA A CRICCHETTO E BUSSOLA TORQUE WRENCH 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					

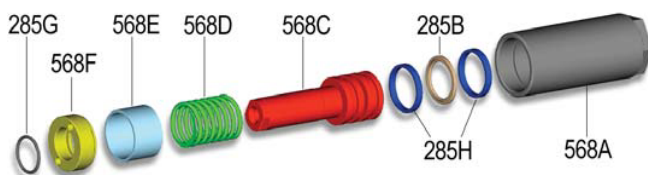
PARTI DI RICAMBIO PER CILINDRI IDRAULICI
SPARE PARTS FOR HYDRAULIC CYLINDERS

Art. 285
 CILINDRO IDRAULICO A SEMPLICE EFFETTO
 SINGLE ACTING HYDRAULIC CYLINDER



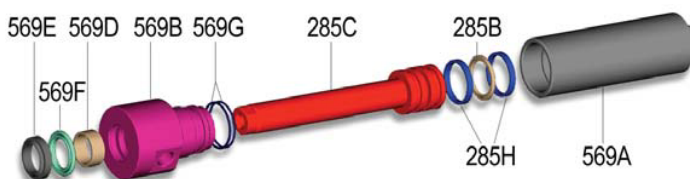
CILINDRO DIAMETRO ESTERNO (mm) CYLINDER OUTSIDE DIAMETER (mm)	T1		T2 - T3 - T4		T5		T6	
	30		40		50		70	
Art. 285A CILINDRO CYLINDER	COD. 4.28.5A100	4.28.5A300	4.28.5A500	4.28.5A600	€ 126	126	162	210
Art. 285B GUARNIZIONE PISTONE PISTON SEAL	COD. 4.28.5B100	4.28.5B300	4.28.5B500	4.28.5B600	€ 5	6	7	9
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	
Corsa / 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
Corsa / 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
Corsa / 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
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
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
<p>Art. 390 Art. 393 + 271 + 403 (m 1,5)</p> <p>N° 1 SERRAGGIO N° 1 CLAMPING</p> <p>MORSA NON COMPRESA VISES NOT INCLUDED</p> <p>271 Cilindro idraulico Hydraulic cylinder</p> <p>403 Tubo idraulico "Multispiral" Hydraulic pipe "Multispiral"</p> <p>393 Centralina a comando manuale Power unit with manual control</p>	COD. 4.39.01000	4.39.02000	4.39.03000	4.39.04000	4.39.05000	4.39.06000
<p>€ 1.195 1.203 1.210 1.233 1.362 1.438</p>						
<p>Art. 390/2 Art. 390 + n° 1 Art. 271</p> <p>N° 2 SERRAGGI CONTEMPORANEI N° 2 SIMULTANEOUSLY CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>393 403 271 Art. 390</p> <p>+1 Art. 271</p>	COD. 4.39.01002	4.39.02002	4.39.03002	4.39.04002	4.39.05002	4.39.06002
<p>€ 1.446 1.461 1.476 1.522 1.780 1.932</p>						
<p>Art. 390/3 Art. 390 + n° 2 Art. 271</p> <p>N° 3 SERRAGGI CONTEMPORANEI N° 3 SIMULTANEOUSLY CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>393 403 271 Art. 390</p> <p>+2 Art. 271</p>	COD. 4.39.01003	4.39.02003	4.39.03003	4.39.04003	4.39.05003	4.39.06003
<p>€ 1.697 1.719 1.742 1.811 2.198 2.426</p>						
<p>Art. 390/4 Art. 390 + n° 3 Art. 271</p> <p>N° 4 SERRAGGI CONTEMPORANEI N° 4 SIMULTANEOUSLY CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>393 403 271 Art. 390</p> <p>+3 Art. 271</p>	COD. 4.39.01004	4.39.02004	4.39.03004	4.39.04004	4.39.05004	4.39.06004
<p>€ 1.947 1.978 2.008 2.099 2.616 2.920</p>						
<p>Art. 390A/2 Art. 390 + n° 1 Art. 407</p> <p>N° 2 SERRAGGI INDIPENDENTI N° 2 INDEPENDENT CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>393 403 271 Art. 390</p> <p>+1 Art. 407</p>	COD. 4.39.0A102	4.39.0A202	4.39.0A302	4.39.0A402	4.39.0A502	4.39.0A602
<p>€ 1.713 1.728 1.743 1.789 2.047 2.199</p>						
<p>Art. 390A/3 Art. 390 + n° 2 Art. 407</p> <p>N° 3 SERRAGGI INDIPENDENTI N° 3 INDEPENDENT CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>393 403 271 Art. 390</p> <p>+2 Art. 407</p>	COD. 4.39.0A103	4.39.0A203	4.39.0A303	4.39.0A403	4.39.0A503	4.39.0A603
<p>€ 2.230 2.253 2.276 2.344 2.732 2.960</p>						
<p>Art. 390A/4 Art. 390 + n° 3 Art. 407</p> <p>N° 4 SERRAGGI INDIPENDENTI N° 4 INDEPENDENT CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>393 403 271 Art. 390</p> <p>+3 Art. 407</p>	COD. 4.39.0A104	4.39.0A204	4.39.0A304	4.39.0A404	4.39.0A504	4.39.0A604
<p>€ 2.748 2.779 2.809 2.899 3.417 3.721</p>						
<p>Art. 407 Art. 271 + 397 + 403 (m 1,5)</p> <p>GRUPPO DI SERRAGGIO INDIPENDENTE INDEPENDENT CLAMPING GROUP</p> <p>403 397 271</p>	COD. 4.40.71000	4.40.72000	4.40.73000	4.40.74000	4.40.75000	4.40.76000
<p>€ 518 525 533 556 685 761</p>						

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6
<p>Art. 391 Art. 395 + 271 + 403 (m 1,5)</p> <p>N° 1 SERRAGGIO N° 1 CLAMPING</p> <p>MORSA NON COMPRESA VICES NOT INCLUDED</p> <p>271 Cilindro idraulico Hydraulic cylinder</p> <p>403 Tubo idraulico "Multispiral" Hydraulic pipe "Multispiral"</p> <p>395 Centralina a comando elettrico Power unit with electrical control</p>	COD.	4.39.11000	4.39.12000	4.39.13000	4.39.14000	4.39.15000	4.39.16000
<p>Art. 391/2 Art. 391 + n° 1 Art. 271</p> <p>N° 2 SERRAGGI CONTEMPORANEI N° 2 SIMULTANEOUSLY CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>395 403 271 Art. 391</p> <p>+1 Art. 271</p>	COD.	4.39.11002	4.39.12002	4.39.13002	4.39.14002	4.39.15002	4.39.16002
<p>Art. 391/3 Art. 391 + n° 2 Art. 271</p> <p>N° 3 SERRAGGI CONTEMPORANEI N° 3 SIMULTANEOUSLY CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>395 403 271 Art. 391</p> <p>+2 Art. 271</p>	COD.	4.39.11003	4.39.12003	4.39.13003	4.39.14003	4.39.15003	4.39.16003
<p>Art. 391/4 Art. 391 + n° 3 Art. 271</p> <p>N° 4 SERRAGGI CONTEMPORANEI N° 4 SIMULTANEOUSLY CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>395 403 271 Art. 391</p> <p>+3 Art. 271</p>	COD.	4.39.11004	4.39.12004	4.39.13004	4.39.14004	4.39.15004	4.39.16004
<p>Art. 391A/2 Art. 391 + n° 1 Art. 407A</p> <p>N° 2 SERRAGGI INDIPENDENTI N° 2 INDEPENDENT CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>395 403 271 Art. 391</p> <p>+1 Art. 407A</p>	COD.	4.39.1A102	4.39.1A202	4.39.1A302	4.39.1A402	4.39.1A502	4.39.1A602
<p>Art. 391A/3 Art. 391 + n° 2 Art. 407A</p> <p>N° 3 SERRAGGI INDIPENDENTI N° 3 INDEPENDENT CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>395 403 271 Art. 391</p> <p>+2 Art. 407A</p>	COD.	4.39.1A103	4.39.1A203	4.39.1A303	4.39.1A403	4.39.1A503	4.39.1A603
<p>Art. 391A/4 Art. 391 + n° 3 Art. 407A</p> <p>N° 4 SERRAGGI INDIPENDENTI N° 4 INDEPENDENT CLAMPING</p> <p>Ingresso aria Air inlet</p> <p>395 403 271 Art. 391</p> <p>+3 Art. 407A</p>	COD.	4.39.1A104	4.39.1A204	4.39.1A304	4.39.1A404	4.39.1A504	4.39.1A604
<p>Art. 407A Art. 271 + 398 + 403 (m 1,5)</p> <p>GRUPPO DI SERRAGGIO INDIPENDENTE INDEPENDENT CLAMPING GROUP</p> <p>403</p> <p>398</p> <p>401 Pulsantiera Pushbutton board</p> <p>271</p> <p>OPTIONAL: € 109</p>	COD.	4.40.7A100	4.40.7A200	4.40.7A300	4.40.7A400	4.40.7A500	4.40.7A600

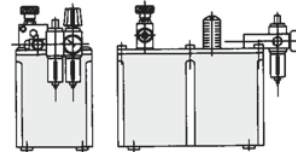
TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)	1	2	3	4	5	6
<p>Art. 392 Art. 394+271+402+403 (m 1,5)</p> <p>N° 1 SERRAGGIO N° 1 CLAMPING</p> <p>MORSA NON COMPRESA VISES NOT INCLUDED</p>	COD. 4.39.21000	4.39.22000	4.39.23000	4.39.24000	4.39.25000	4.39.26000
<p>€ 1.260 1.267 1.275 1.298 1.427 1.503</p>						
<p>Art. 392/2 Art. 392 + n° 1 Art. 271</p> <p>N° 2 SERRAGGI CONTEMPORANEI N° 2 SIMULTANEOUSLY CLAMPING</p>	COD. 4.39.21002	4.39.22002	4.39.23002	4.39.24002	4.39.25002	4.39.26002
<p>€ 1.511 1.526 1.541 1.587 1.845 1.997</p>						
<p>Art. 392/3 Art. 392 + n° 2 Art. 271</p> <p>N° 3 SERRAGGI CONTEMPORANEI N° 3 SIMULTANEOUSLY CLAMPING</p>	COD. 4.39.21003	4.39.22003	4.39.23003	4.39.24003	4.39.25003	4.39.26003
<p>€ 1.761 1.784 1.807 1.875 2.263 2.491</p>						
<p>Art. 392/4 Art. 392 + n° 3 Art. 271</p> <p>N° 4 SERRAGGI CONTEMPORANEI N° 4 SIMULTANEOUSLY CLAMPING</p>	COD. 4.39.21004	4.39.22004	4.39.23004	4.39.24004	4.39.25004	4.39.26004
<p>€ 2.012 2.043 2.073 2.164 2.681 2.985</p>						
<p>Art. 392A/2 Art. 392 + n° 1 Art. 407B</p> <p>N° 2 SERRAGGI INDIPENDENTI N° 2 INDEPENDENT CLAMPING</p>	COD. 4.39.2A102	4.39.2A202	4.39.2A302	4.39.2A402	4.39.2A502	4.39.2A602
<p>€ 2.057 2.074 2.089 2.141 2.465 2.618</p>						
<p>Art. 392A/3 Art. 392 + n° 2 Art. 407B</p> <p>N° 3 SERRAGGI INDIPENDENTI N° 3 INDEPENDENT CLAMPING</p>	COD. 4.39.2A103	4.39.2A203	4.39.2A303	4.39.2A403	4.39.2A503	4.39.2A603
<p>€ 2.393 2.415 2.437 2.503 2.878 3.099</p>						
<p>Art. 392A/4 Art. 392 + n° 3 Art. 407B</p> <p>N° 4 SERRAGGI INDIPENDENTI N° 4 INDEPENDENT CLAMPING</p>	COD. 4.39.2A104	4.39.2A204	4.39.2A304	4.39.2A404	4.39.2A504	4.39.2A604
<p>€ 2.960 2.989 3.019 3.106 3.604 3.896</p>						
<p>Art. 407B Art. 271+396+402+403 (m 1,5)</p> <p>GRUPPO DI SERRAGGIO INDIPENDENTE INDEPENDENT CLAMPING GROUP</p>	COD. 4.40.7B100	4.40.7B200	4.40.7B300	4.40.7B400	4.40.7B500	4.40.7B600
<p>€ 597 604 612 635 764 840</p>						

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



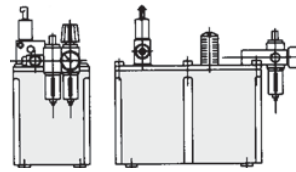
COD. 4.39.70000

€ **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. 4.39.54500

€ **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



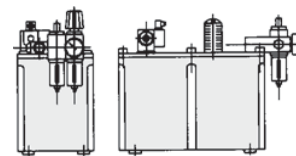
COD. 4.40.20000

€ **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

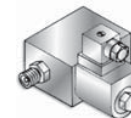


COD. 4.39.44500

€ **864**

Art. 398

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

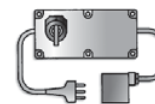


COD. 4.39.80000

€ **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

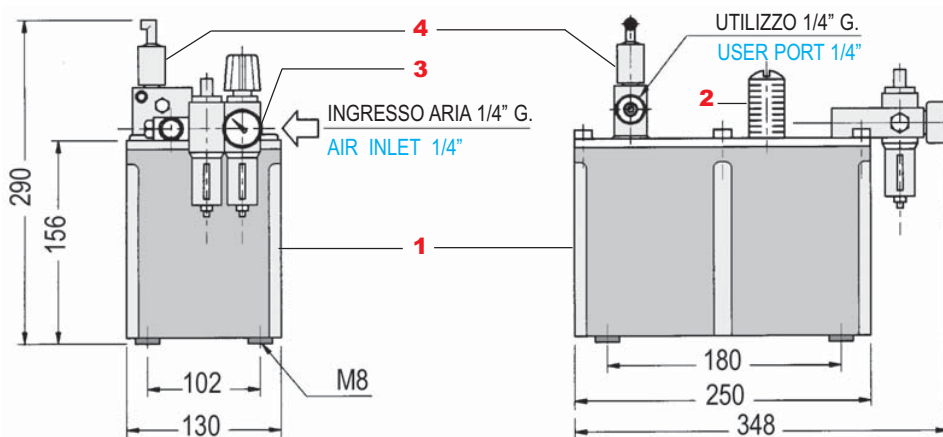
CENTRALINA OLEOPNEUMATICA

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.

4

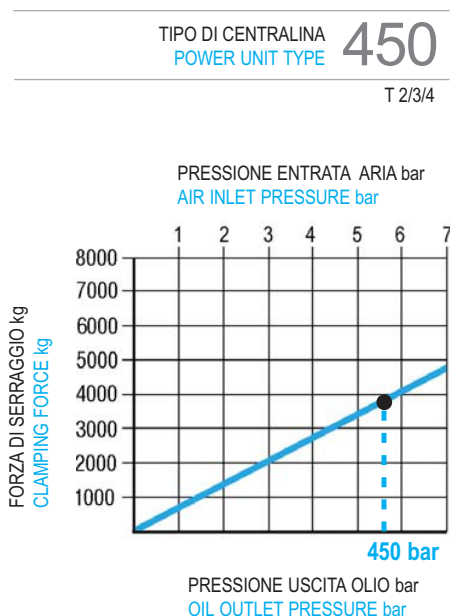


LA POMPA NELLA VERSIONE BASE VIENE FORNITA COMPLETA DI SERBATOIO IN TEFLON **1**, TAPPO DI CARICA, SILENZIATORE, **2**, ATTACCO DI ALIMENTAZIONE ARIA DEL TIPO AD INNESTO RAPIDO D8 **3** ED UN BLOCCO DI COMANDO OLEODINAMICO **4**.

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



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.

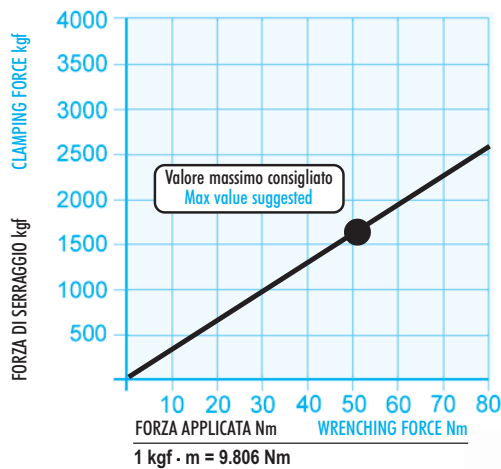
MECHANICAL CLAMPING WITH TORQUE WRENCH

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.

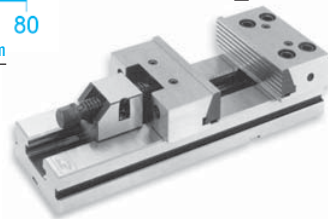
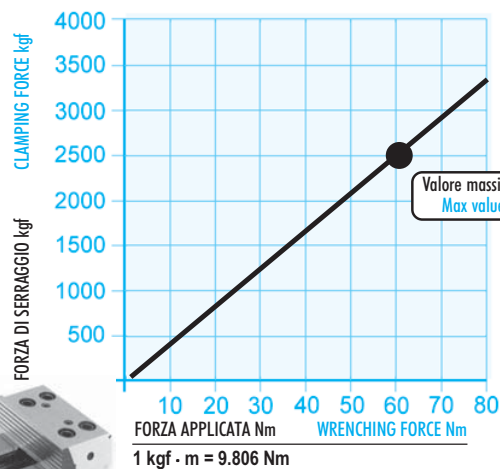
MORSE MODULARI TIPO 1
MODULAR VISES TYPE 1

VITE Ø 14 mm - PASSO 4 mm
SCRFW Ø 14 mm - PITCH 4 mm



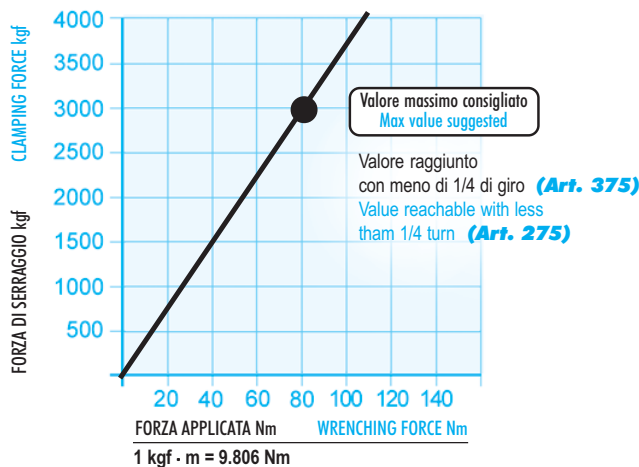
MORSE MODULARI TIPO 2
MODULAR VISES TYPE 2

VITE Ø 18 mm - PASSO 4 mm
SCREW Ø 18 mm - PITCH 4 mm



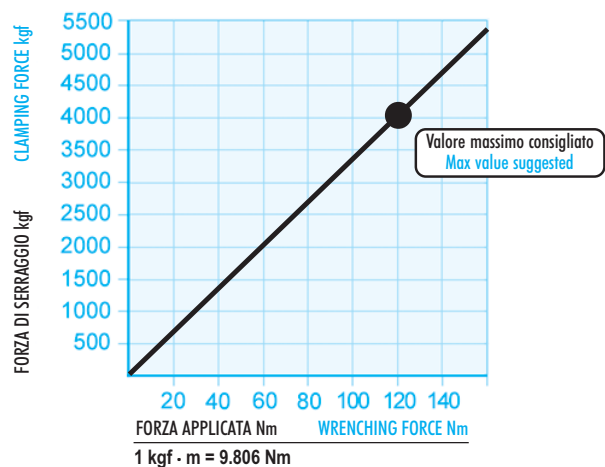
MORSE MODULARI TIPO 3-4
MODULAR VISES TYPE 3-4

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 ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico

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

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)

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)

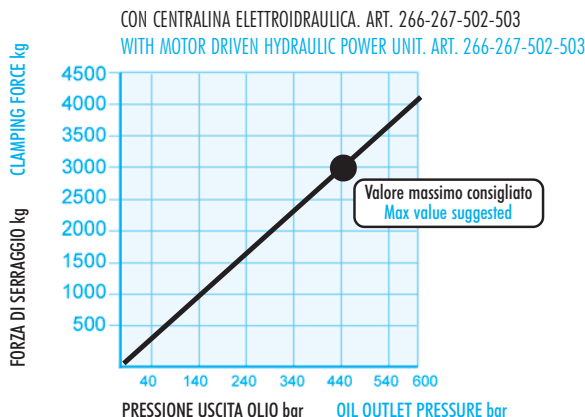
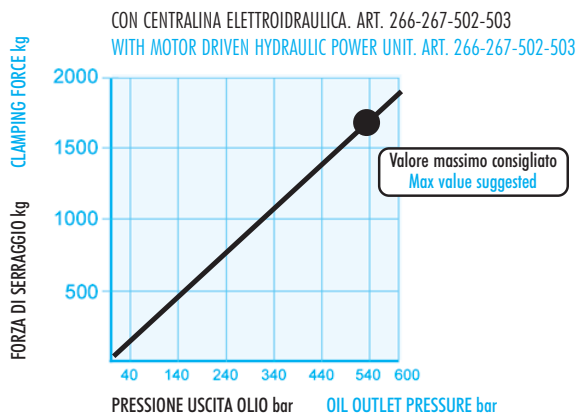
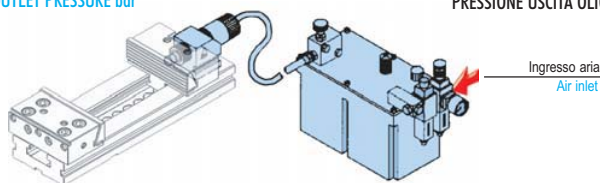
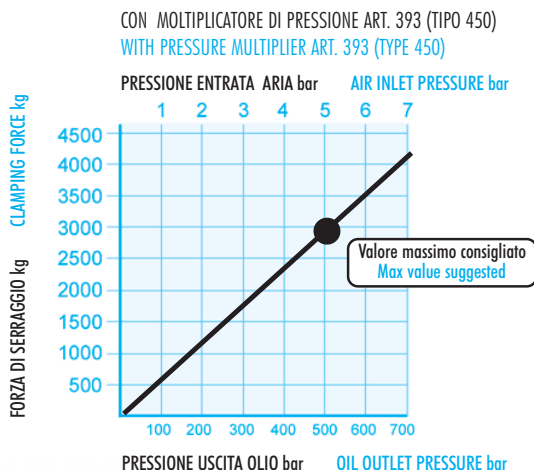
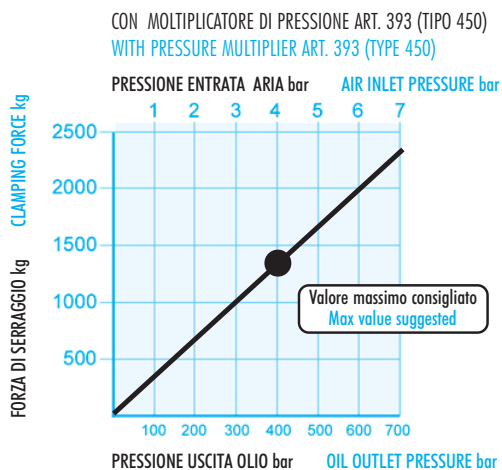
4

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

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 ± 10%. Per un corretto utilizzo non superare i valori indicati nel grafico

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

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)

HYDRAULIC CLAMPING

THROUGH PNEUMO-HYDRAULIC AND HYDRAULIC CLAMPING DEVICES

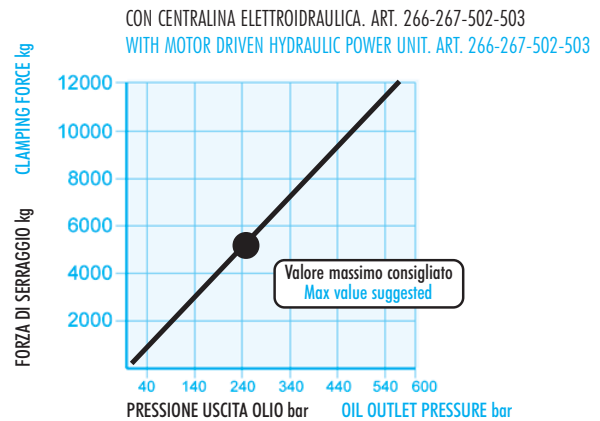
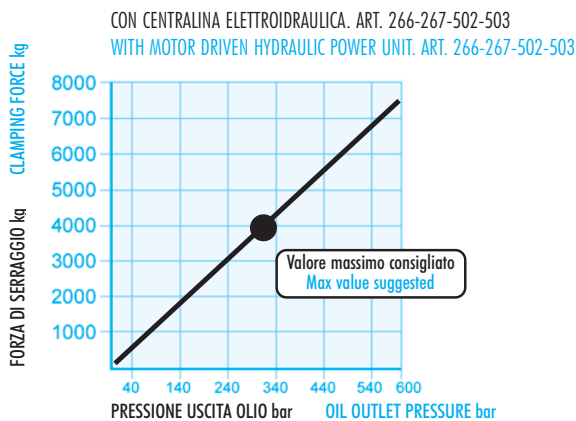
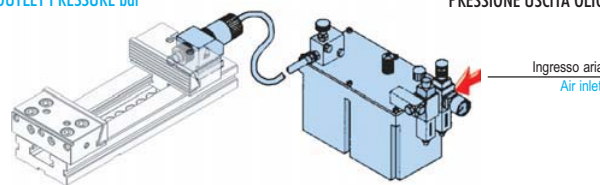
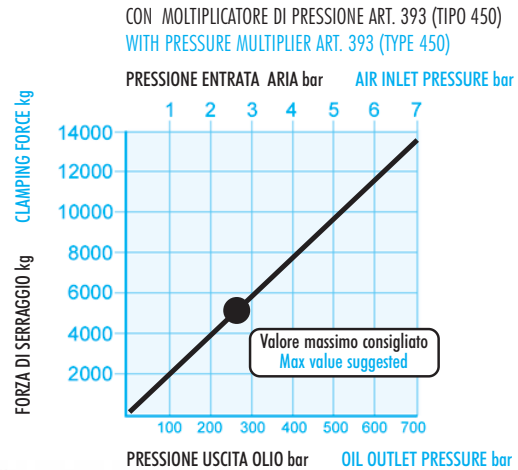
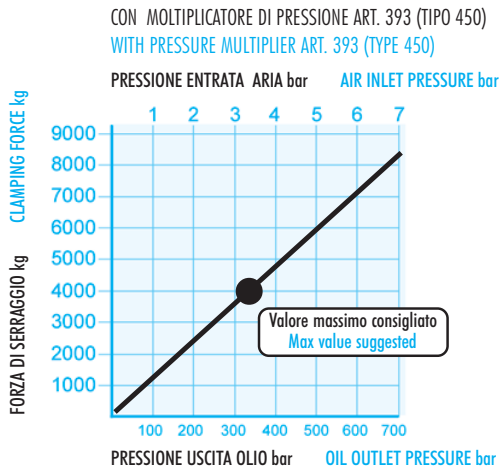
The following diagrams give the clamping force that can be obtained with each vise type (size 1 to 6) when equipped with hydraulic blocking devices, as a function of the fluid pressure (air or oil)

MORSE MODULARI TIPO 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

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 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	COD. 2.26.61000	2.26.62000	2.26.63000	2.26.64000	2.26.65000	2.26.66000
	€ 6.123	6.133	6.141	6.171	6.350	6.400
Art. 267 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	COD. 2.26.71000	2.26.72000	2.26.73000	2.26.74000	2.26.75000	2.26.76000
	€ 6.618	6.628	6.636	6.666	6.865	6.943
Art. 502 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)	COD. 2.50.20000					
	€ 5.763					
Art. 503 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)	COD. 2.50.30000					
	€ 6.258					

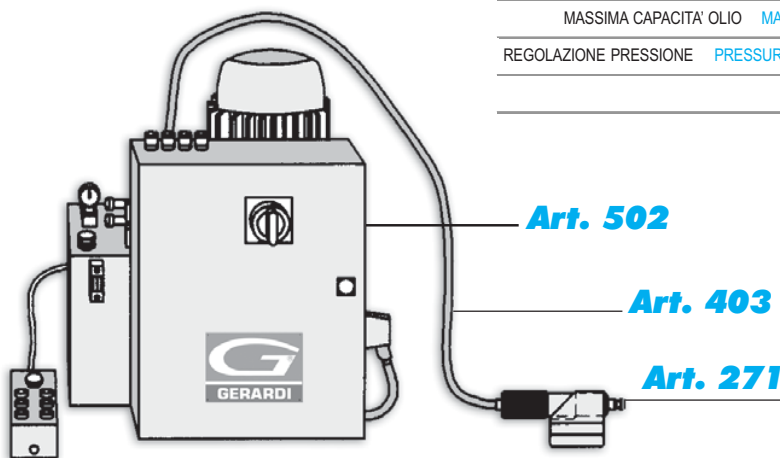
La lunghezza standard dei collegamenti elettrici ed idraulici è di **1.600 mm**.
Extra lunghezze saranno quotate separatamente.

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