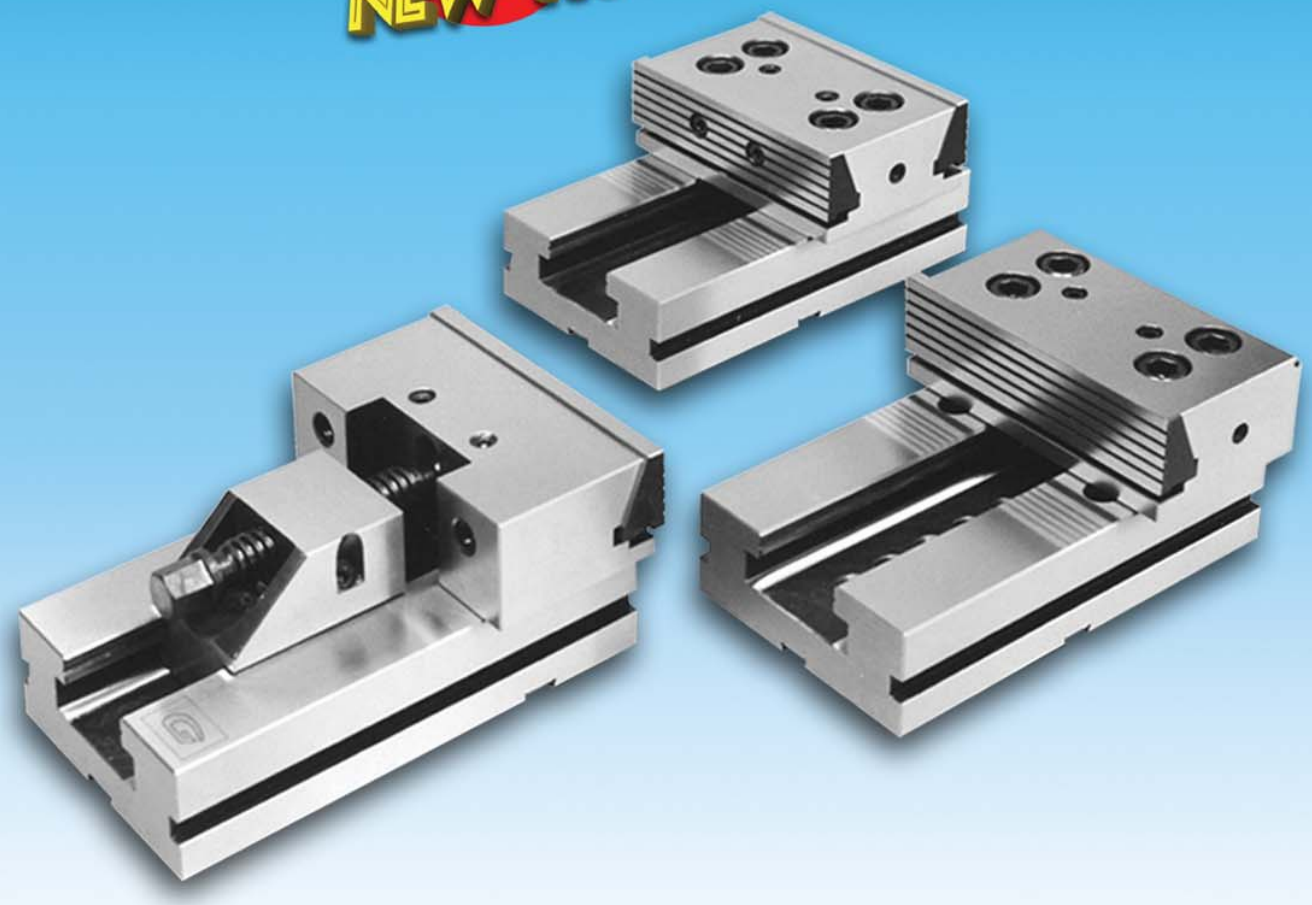
ELEMENTI MODULARI

MODULAR ELEMENTS

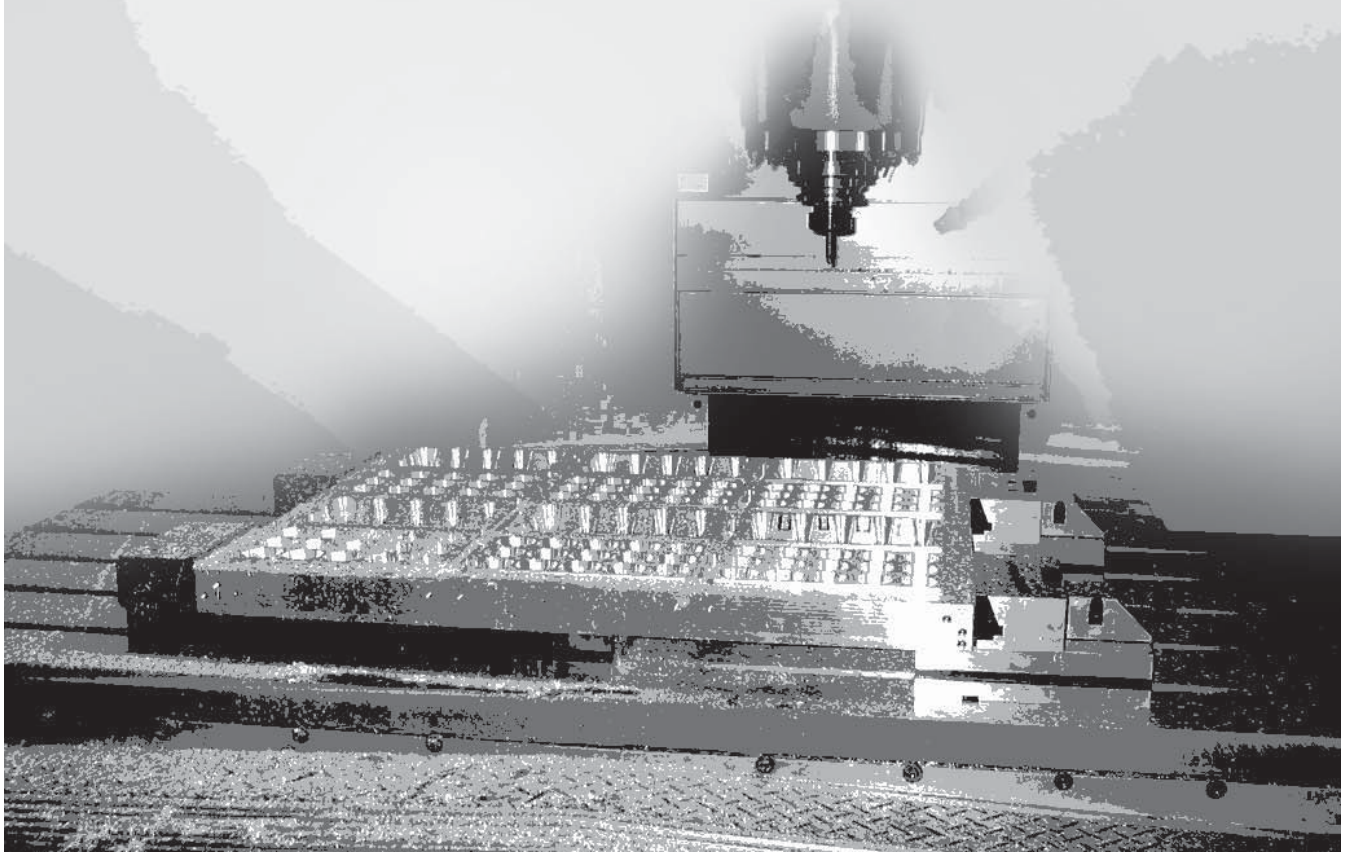
NOVITA' NEW !!!

Vedi pagg: See pages: 3.2, 3.3, 3.4



Applicazione di elementi modulari (sezione mobile)
con morse “Standard” (sezione fissa)
per serraggio di piastre e piastroni.

Modular elements (movable section) application with
“Standard” vises (fixed section) for big plates clamping



3 ELEMENTI MODULARI
MODULAR ELEMENTS

Pagg. **3.1 - 3.10**

*Gli **ELEMENTI MODULARI** altro non sono che delle morse STD sezionate in modo da ottenere la parte mobile e la parte fissa completamente indipendenti per una versatilità estrema !*

***MODULAR ELEMENTS** are simply standard vises sections, the movable section and the fixed one, which in this way result completely independent for anextreme versatility !*

Le **morse *Gerardi*** sono ormai considerate sinonimo di produzione ad alto livello tecnologico per l'accurata scelta dei materiali impiegati e per la precisione raggiunta anche nei minimi particolari. **Accuratamente rettificate** in ogni loro particolare ed ampiamente collaudate, consentono:

- ✓ una capacità di **massimo rendimento** della macchina,
- ✓ un **forte carico di pressione**,
- ✓ una **maggior potenza di taglio**,
- ✓ **esclusione totale di vibrazioni**,
- ✓ **minor usura dell'utensile**
- ✓ una **più precisa lavorazione**.

La costruzione con un sistema di elementi componibili consente le più svariate possibilità di impiego e combinazioni in caso di necessità.

***Gerardi vises** are manufactured under rigid quality control. Only the most suitable materials are used, and the accuracy of even the smallest components is assured. As a result of the high standard construction Gerardi vises can maintain their accuracy under the most severe operating conditions.*

Hardened and Ground steel construction throughout allowing you maximum machine performance with:

- ✓ **bigger clamping power**,
- ✓ **bigger cutting performances**,
- ✓ **total exclusion of vibrations**,
- ✓ **lower tool wear**;
- ✓ **higher precision during machinework**.

The modular design and the concept of interchangeability makes possible a wide variety of set up combination and solutions.

CARATTERISTICHE TECNICHE:

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

Si rimanda a quanto esposto nel gruppo 1.

TECHNICAL FEATURES:

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

See what explained in group 1.

Le ganasce fisse hanno la possibilità di essere posizionate sia con piastrine all'interno della base (come nelle foto), sia con piastrine che fuoriescono dalla base in modo da poter serrare anche particolari posizionati sul piano della tavola della macchina
(vedi disegni a pag. 3.5, 3.6 e 3.7)

Fixed jaws have the possibility tu be positioned both with jaw plates inside the vise base (as shown in the picture) and with jaw plates externally from the vise base in order to be able to clamp even workpieces positioned on the machine table directly
(see drawings on pages 3.5, 3.6 and 3.7)

RAPIDITA' DEI SERRAGGI

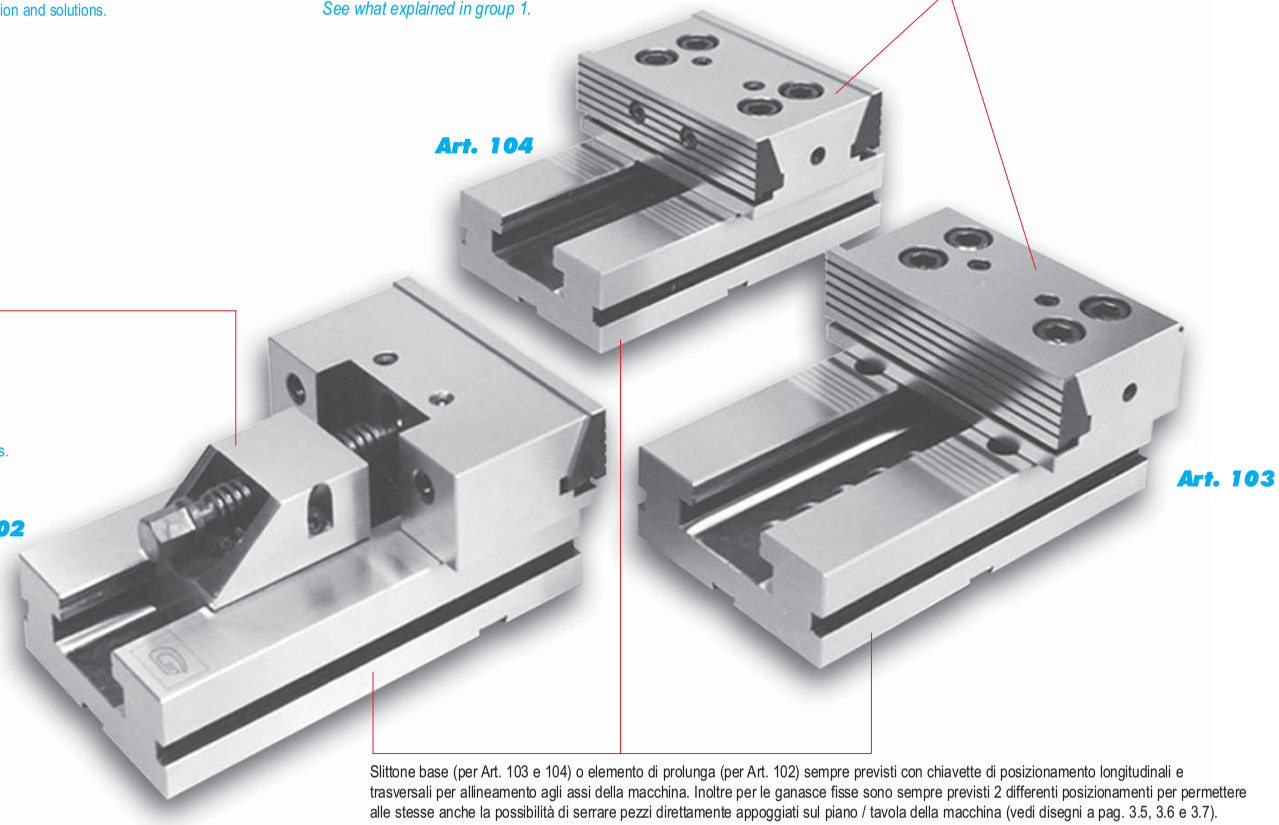
Grazie allo **scorrimento del gruppo di serraggio** nella guida della base (a cremagliera) fino in prossimità del pezzo da lavorare dove si adatterà automaticamente alla nicchia più vicina. L'operazione di serraggio si conclude agendo sulla vite di bloccaggio. Naturalmente anche con gli **elementi modulari** sono disponibili **4 ulteriori** sistemi di serraggio intecambiabili e indipendenti oltre a quello manuale meccanico illustrato nella foto:

1- Idraulici
2- Pneumatici
3- Idraulici manuali
4- Idraulici elettrici.
L'operazione è in termini di secondi.

QUICK CLAMPING

Thanks to the **clamping device sliding in the vise base slide** (compact rack type) till the proximity of the workpiece. The clamping is completed with the main screw. Of course even for the modular elements besides the manual mechanic system, **4 further** interchangeable and independent **clamping systems** are available:

1- Hydraulic
2- Pneumatic
3- Manual hydraulic
4- Electrical hydraulic.
The change needs only few seconds.



Art. 104

Art. 103

Art. 102

Gli **elementi modulari *Gerardi*** Vi permettono di ottimizzare i bloccaggi di pezzi particolarmente grandi, che richiedano le lavorazioni più gravose, sfruttando anche il piano della tavola della macchina come punto di appoggio.

Gli elementi modulari sono sicuramente l'esempio (vedere applicazioni alle pag. seg.) più lampante dell'estrema versatilità del **Sistema Modulare *Gerardi***.

La disponibilità di una vastissima gamma di composizioni (modulari) permette di realizzare con soluzioni standard anche gli allestimenti che credevate speciali.

***Gerardi* modular elements** allow You perfect clamping even of big workpieces which need the heaviest machining using the machine table as surface.

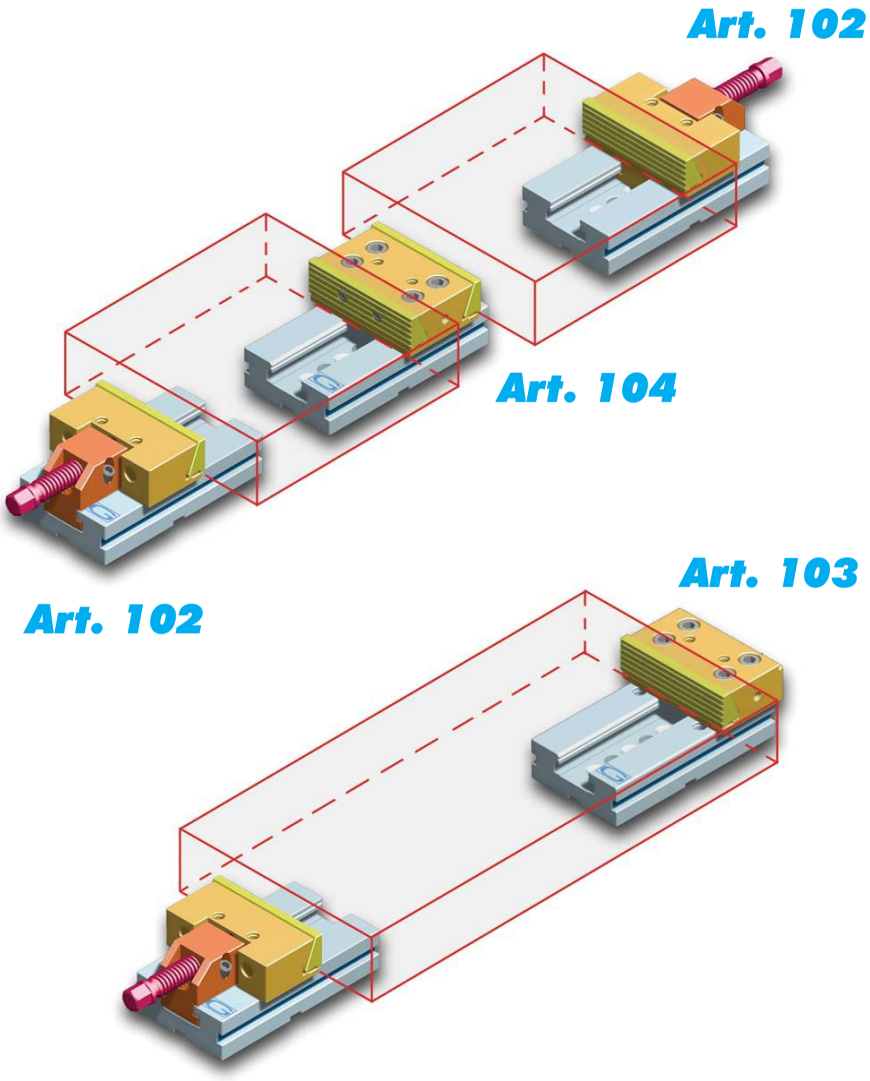
Modular elements are the best example of the extreme versatility of the ***Gerardi* Modular System**.

The avalaibility of the broadest assortment program allows to build with standard solutions even the fixtures You thought special.

They are a solution for a lot of applications and, with the many reference points available, a perfect **complement or alternative to single or double vises**

Slittone base (per Art. 103 e 104) o elemento di prolunga (per Art. 102) sempre previsti con chiavette di posizionamento longitudinali e trasversali per allineamento agli assi della macchina. Inoltre per le ganasce fisse sono sempre previsti 2 differenti posizionamenti per permettere alle stesse anche la possibilità di serrare pezzi direttamente appoggiati sul piano / tavola della macchina (vedi disegni a pag. 3.5, 3.6 e 3.7).

Vise bases (for Art. 102 and 104) or base extensions (for Art. 102) are always built with longitudinal and cross keyways in order to be aligned with the machine axis. Furthermore fixed jaws have always 2 different positions in order to be able to clamp even workpieces positioned on the machine table directly (see drawings on pages 3.5, 3.6 and 3.7).



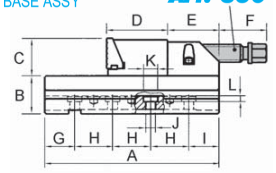
TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

Art. 102

BLOCCO TENDITORE COMPLETO DI BASE
senza alcuna dotazione

MOVABLE JAW SECTION AND BASE ASSY
without accessory equipment

Art. 360



NOVITÀ NEW !!!

Art. 102i

BLOCCO TENDITORE
con ganascia a cambio rapido

MOVABLE JAW SECTION
with quick change jaw plate

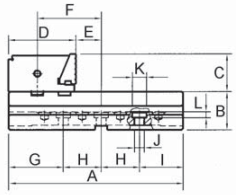
M = N° fori M = Holes N°

	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	50	60	80	90	100	120
E	32	51	48	68	78	94
F	55	83	82	62	92	70
G	31	41	40	57.5	31	67
H	40	40	50	50	100	100
I	29	39	40	82.5	69	83
J	Ø 6.5	Ø 8.5	Ø 13	Ø 13	Ø 17	Ø 17
K	Ø 10.5	Ø 13.5	Ø 19	Ø 19	Ø 26	Ø 26
L	4.5	5.5	8.5	8.5	17	17
kg	3.4	6.3	14.2	20.8	35	60
M	3	3	4	3	5	5
COD.	2.10.21000	2.10.22000	2.10.23000	2.10.24000	2.10.25000	2.10.26000
€	275	342	431	505	753	1.165
COD.	3.10.2i100	3.10.2i200	3.10.2i300	3.10.2i400	3.10.2i500	3.10.2i600
€	305	380	479	561	837	1.294

Art. 103

BLOCCO FISSO CON GANASCIA FISSA **STD** senza alcuna dotazione

FIXED JAW SECTION AND BASE **STD**
without accessory equipment



NOVITÀ NEW !!!

Art. 103i

BLOCCO FISSO
con ganascia a cambio rapido

FIXED JAW SECTION
with quick change jaw plate

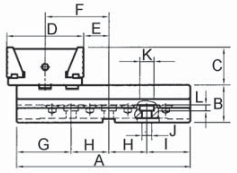
M = N° fori M = Holes N°

	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	77.9	77.9	89.4	96.9	113.4	120.4
E	33.6	33.6	33.6	33.6	33.6	33.6
F	76	76	84.5	89	100	107
G	31	31	72.5	29	45	52
H	40	40	50	50	100	100
I	29	49	57.5	61	55	98
J	Ø 6.5	Ø 8.5	Ø 13	Ø 13	Ø 17	Ø 17
K	Ø 10.5	Ø 13.5	Ø 19	Ø 19	Ø 26	Ø 26
L	4.5	5.5	8.5	8.5	17	17
kg	3.3	5.8	12.6	17.8	29.8	50.5
M	3	3	3	4	5	5
COD.	2.10.31000	2.10.32000	2.10.33000	2.10.34000	2.10.35000	2.10.36000
€	239	298	389	431	709	1.105
COD.	3.10.3i100	3.10.3i200	3.10.3i300	3.10.3i400	3.10.3i500	3.10.3i600
€	265	331	432	479	788	1.228

Art. 104

BLOCCO FISSO CON GANASCIA DOPPIA **STD** senza alcuna dotazione

FIXED DOUBLE-JAW SECTION AND BASE **STD**
without accessory equipment



NOVITÀ NEW !!!

Art. 104i

BLOCCO FISSO
con ganascia doppia a cambio rapido

FIXED DOUBLE-JAW SECTION
with quick change jaw plate

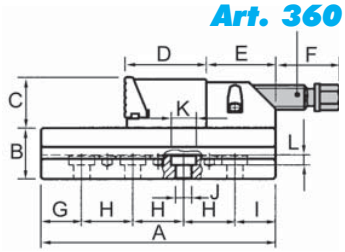
M = N° fori M = Holes N°

	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	84.8	84.8	101.8	110.8	132.8	146.8
E	33.6	33.6	33.6	33.6	33.6	33.6
F	76	31	72.5	29	45	52
G	31	31	72.5	29	45	52
H	40	40	50	50	100	100
I	29	49	57.5	61	55	98
J	Ø 6.5	Ø 8.5	Ø 13	Ø 13	Ø 17	Ø 17
K	Ø 10.5	Ø 13.5	Ø 19	Ø 19	Ø 26	Ø 26
L	4.5	5.5	8.5	8.5	17	17
kg	3.4	6	13.3	18.8	30	52.5
M	3	3	3	4	5	5
COD.	2.10.41000	2.10.42000	2.10.43000	2.10.44000	2.10.45000	2.10.46000
€	269	347	457	512	830	1.269
COD.	3.10.4i100	3.10.4i200	3.10.4i300	3.10.4i400	3.10.4i500	3.10.4i600
€	299	395	508	569	922	1.410

Art. 102A

BLOCCO TENDITORE COMPLETO DI BASE **A RETICOLO**
senza alcuna dotazione

GRID MOVABLE JAW SECTION AND BASE ASSY
without accessory equipment



NOVITÀ NEW !!!

Art. 102Ai

BLOCCO TENDITORE
con ganascia a cambio rapido

MOVABLE JAW SECTION
with quick change jaw plate

M = N° fori M = Holes N°

RETICOLO passo 50 mm
VITE CALIBRATA Ø 16F7
GRID 50 mm PITCH
CALIBRATED SCREW Ø 16F7

	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	50	60	80	90	100	120
E	32	51	48	68	78	94
F	55	83	82	62	92	70
G	36	21	40	32.5	31	67
H	50	50	50	50	100	100
I	54	39	40	57.5	69	83
J	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7
K	Ø 20.5	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25
L	8	8	10	10	10	10
kg	3.4	6.3	14.2	20.8	35	60
M	2	3	4	4	3	3
COD.	2.10.2A100	2.10.2A200	2.10.2A300	2.10.2A400	2.10.2A500	2.10.2A600
€	367	481	616	690	892	1.304
COD.	3.10.2Ai10	3.10.2Ai20	3.10.2Ai30	3.10.2Ai40	3.10.2Ai50	3.10.2Ai60
€	408	534	685	767	991	1.449

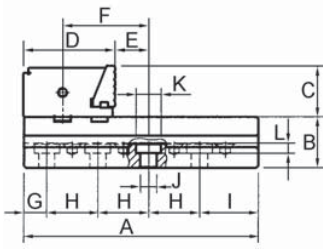
Art. 102A

NOVITÀ NEW !!! **Art. 102Ai**

Art. 103A

BLOCCO FISSO CON GANASCIA FISSA **STD** **A RETICOLO**
senza alcuna dotazione

GRID FIXED JAW SECTION AND BASE **STD**
without accessory equipment



NOVITÀ NEW !!!

Art. 103Ai

BLOCCO FISSO
con ganascia a cambio rapido

FIXED JAW SECTION
with quick change jaw plate

M = N° fori M = Holes N°

RETICOLO passo 50 mm
VITE CALIBRATA Ø 16F7
GRID 50 mm PITCH
CALIBRATED SCREW Ø 16F7

	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	77.9	77.9	89.4	96.9	113.4	120.4
E	33.6	33.6	33.6	33.6	33.6	33.6
F	76	76	84.5	89	100	107
G	61	21	72.5	29	45	52
H	50	50	50	50	100	100
I	29	39	57.5	61	55	98
J	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7
K	Ø 20.5	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25
L	8	8	10	10	10	10
kg	3.3	5.8	12.6	17.8	29.8	50.5
M	2	3	3	4	3	3
COD.	2.10.3A100	2.10.3A200	2.10.3A300	2.10.3A400	2.10.3A500	2.10.3A600
€	331	437	528	616	849	1.245
COD.	3.10.3Ai10	3.10.3Ai20	3.10.3Ai30	3.10.3Ai40	3.10.3Ai50	3.10.3Ai60
€	368	486	587	685	943	1.383

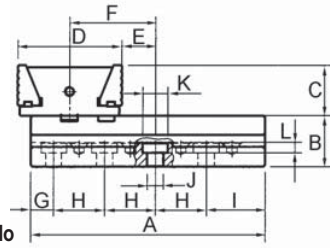
Art. 103A

NOVITÀ NEW !!! **Art. 103Ai**

Art. 104A

BLOCCO FISSO CON GANASCIA DOPPIA **STD** **A RETICOLO**
senza alcuna dotazione

GRID FIXED DOUBLE-JAW SECTION AND BASE **STD**
without accessory equipment



NOVITÀ NEW !!!

Art. 104Ai

BLOCCO FISSO
con ganascia doppia a cambio rapido

FIXED DOUBLE-JAW SECTION
with quick change jaw plate

M = N° fori M = Holes N°

RETICOLO passo 50 mm
VITE CALIBRATA Ø 16F7
GRID 50 mm PITCH
CALIBRATED SCREW Ø 16F7

	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	84.8	84.8	101.8	110.8	132.8	146.8
E	33.6	33.6	33.6	33.6	33.6	33.6
F	76	31	72.5	29	45	52
G	61	21	72.5	29	45	52
H	50	50	50	50	100	100
I	29	39	57.5	61	55	98
J	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7	Ø 16F7
K	Ø 20.5	Ø 25	Ø 25	Ø 25	Ø 25	Ø 25
L	8	8	10	10	10	10
kg	3.4	6	13.3	18.8	30	52.5
M	2	3	3	4	3	3
COD.	2.10.4A100	2.10.4A200	2.10.4A300	2.10.4A400	2.10.4A500	2.10.4A600
€	362	494	597	698	969	1.407
COD.	3.10.4Ai10	3.10.4Ai20	3.10.4Ai30	3.10.4Ai40	3.10.4Ai50	3.10.4Ai60
€	402	549	663	775	1.077	1.564

Art. 104A

NOVITÀ NEW !!! **Art. 104Ai**

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)

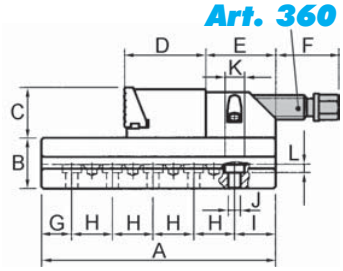
	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	50	60	80	90	100	120
E	32	51	48	68	78	94
F	55	83	82	62	92	70
G	31	41	70	65.2	71	107
H	40	40	40	40	80	80
I	29	39	40	57.5	69	83
J	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}
K	Ø 19	Ø 19	Ø 19	Ø 19	Ø 19	Ø 19
L	8	8	8	8	8	8
kg	3.4	6.3	14.2	20.8	35	60
M	3	3	4	4	3	3
COD.	2.10.2B100	2.10.2B200	2.10.2B300	2.10.2B400	2.10.2B500	2.10.2B600
€	414	480	616	690	892	1.304
COD.	3.10.2Bi.10	3.10.2Bi.20	3.10.2Bi.30	3.10.2Bi.40	3.10.2Bi.50	3.10.2Bi.60
€	460	534	685	767	991	1.449

Art. 102B

BLOCCO TENDITORE COMPLETO DI BASE **A RETICOLO**
senza alcuna dotazione

GRID MOVABLE JAW SECTION AND BASE ASSY
without accessory equipment

Art. 360



NOVITÀ NEW !!!

Art. 102Bi

BLOCCO TENDITORE
con ganascia a cambio rapido

MOVABLE JAW SECTION
with quick change jaw plate

M = N° fori M = Holes N°

RETICOLO passo 40 mm
VITE CALIBRATA Ø 12^{F7}
GRID 40 mm PITCH
CALIBRATED SCREW Ø 12^{F7}

Art. 102B

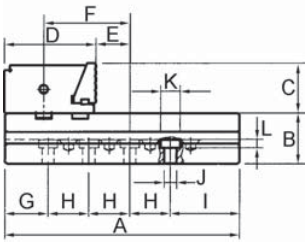
NOVITÀ NEW !!! Art. 102Bi

	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	77.9	77.9	89.4	96.9	113.4	120.4
E	33.6	33.6	33.6	33.6	33.6	33.6
F	76	76	84.5	89	100	107
G	31	31	42.5	49	65	72
H	40	40	40	40	80	80
I	29	49	67.5	71	75	38
J	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}
K	Ø 19	Ø 19	Ø 19	Ø 19	Ø 19	Ø 19
L	8	8	8	8	8	8
kg	3.3	5.8	12.6	17.8	29.8	50.5
M	3	3	4	4	3	4
COD.	2.10.3B100	2.10.3B200	2.10.3B300	2.10.3B400	2.10.3B500	2.10.3B600
€	378	437	574	616	848	1.290
COD.	3.10.3Bi.10	3.10.3Bi.20	3.10.3Bi.30	3.10.3Bi.40	3.10.3Bi.50	3.10.3Bi.60
€	420	486	638	685	943	1.434

Art. 103B

BLOCCO FISSO CON GANASCIA FISSA **STD** **A RETICOLO**
senza alcuna dotazione

GRID FIXED JAW SECTION AND BASE **STD**
without accessory equipment



NOVITÀ NEW !!!

Art. 103Bi

BLOCCO FISSO
con ganascia a cambio rapido

FIXED JAW SECTION
with quick change jaw plate

M = N° fori M = Holes N°

RETICOLO passo 40 mm
VITE CALIBRATA Ø 12^{F7}
GRID 40 mm PITCH
CALIBRATED SCREW Ø 12^{F7}

Art. 103B

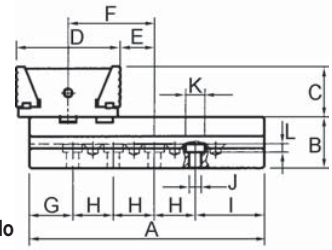
NOVITÀ NEW !!! Art. 103Bi

	1	2	3	4	5	6
A	140	160	230	240	300	350
B	35	40	50	58	70	78
C	30	40	50	60	65	80
D	84.8	84.8	101.8	110.8	132.8	146.8
E	33.6	33.6	33.6	33.6	33.6	33.6
F	76	76	84.5	89	100	107
G	31	31	42.5	49	65	72
H	40	40	40	40	80	80
I	29	49	67.5	71	75	38
J	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}	Ø 12^{F7}
K	Ø 19	Ø 19	Ø 19	Ø 19	Ø 19	Ø 19
L	8	8	8	8	8	8
kg	3.4	6	13.3	18.8	30	52.5
M	3	3	4	4	3	4
COD.	2.10.4B100	2.10.4B200	2.10.4B300000	2.10.4B400	2.10.4B500	2.10.4B600
€	408	494	642	697	969	1.454
COD.	3.10.4Bi.10	3.10.3Bi.20	3.10.4Bi.30	3.10.4Bi.40	3.10.4Bi.50	3.10.4Bi.60
€	454	549	714	775	1.077	1.616

Art. 104B

BLOCCO FISSO CON GANASCIA DOPPIA **STD** **A RETICOLO**
senza alcuna dotazione

GRID FIXED DOUBLE-JAW SECTION AND BASE **STD**
without accessory equipment



NOVITÀ NEW !!!

Art. 104Bi

BLOCCO FISSO
con ganascia doppia a cambio rapido

FIXED DOUBLE-JAW SECTION
with quick change jaw plate

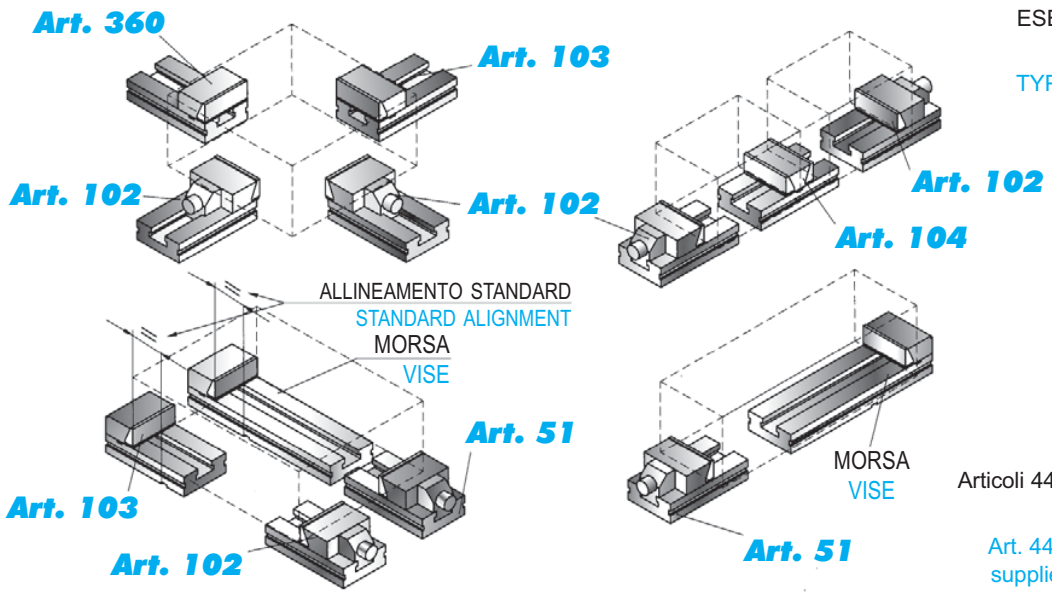
M = N° fori M = Holes N°

RETICOLO passo 40 mm
VITE CALIBRATA Ø 12^{F7}
GRID 40 mm PITCH
CALIBRATED SCREW Ø 12^{F7}

Art. 104B

NOVITÀ NEW !!! Art. 104Bi

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6
ELEMENTI MODULARI BASE **BASIC MODULAR UNITS**		SUPPLEMENTO EXTRA PER OGNI FORO CALIBRATO EXTRA SUPPLEMENT FOR EACH GROUND HOLE + € 76					
Art. 44 SLITTONE BASE PER BLOCCO FISSO SPLIT BASE FOR FIXED SECTION	B mm	140	160	230	240	300	350
	kg	1.8	3.3	6.9	8	14.5	21.8
	COD.	1.80.14140	1.80.24160	1.80.34230	1.80.44250	1.80.54300	1.80.64351
	€	134	172	232	251	437	692
Art. 44A SLITTONE BASE A RETICOLO passo 50 mm, Ø 16 per BLOCCO FISSO SPLIT GRID (50 mm) PITCH, Ø 16 BASE FOR FIXED SECTION	COD.	3.44.A1000	3.44.A2000	3.44.A3000	3.44.A4000	3.44.A5000	3.44.A6000
	€	206	280	341	395	545	836
Art. 44B SLITTONE BASE A RETICOLO passo 40 mm, Ø 12 per BLOCCO FISSO SPLIT GRID (40 mm) PITCH, Ø 12 BASE FOR FIXED SECTION	COD.	3.44.B1000	3.44.B2000	3.44.B3000	3.44.B4000	3.44.B5000	3.44.B6000
	€	242	280	377	395	545	836
Art. 51 ELEMENTO DI PROLUNGA BASE BASE EXTENSION	kg	2.1	3.4	8.2	11.5	20	30
	COD.	1.80.13140	1.80.23160	1.80.33230	1.80.43250	1.80.53300	1.80.63350
	€	113	142	195	227	363	578
Art. 51A ELEMENTO DI PROLUNGA BASE A RETICOLO passo 50 mm, Ø 16 GRID (50 mm) PITCH, Ø 16 BASE EXTENSION	COD.	3.51.A1000	3.51.A2000	3.51.A3000	3.51.A4000	3.51.A5000	3.51.A6000
	€	186	251	340	271	470	686
Art. 51B ELEMENTO DI PROLUNGA BASE A RETICOLO passo 40 mm, Ø 12 GRID (40 mm) PITCH, Ø 12 BASE EXTENSION	COD.	3.51.B1000	3.51.B2000	3.51.B3000	3.51.B4000	3.51.B5000	3.51.B6000
	€	222	251	340	371	470	686
ACCESSORI **ACCESSORIES**							
Art. 358 BARRA DI TENSIONE TENSION BAR	kg	0.5	0.5	1.2	1.2	2	2
	C mm	320	320	400	400	500	500
	D mm	10	10	15	15	18	18
	COD.	1.62.10000	1.62.20000	1.62.30000	1.62.40000	1.62.50000	1.62.60000
ACCESSORIO PER Art. 51 e 102 ACCESSORIES FOR Art. 51 and 102 — A RICHIESTA ALTRE LARGHEZZE SENZA VARIAZIONE DI PREZZO OTHER WIDTHS AVAILABLE ON REQUEST WITHOUT PRICE CHANGE	€	18	18	20	20	23	23



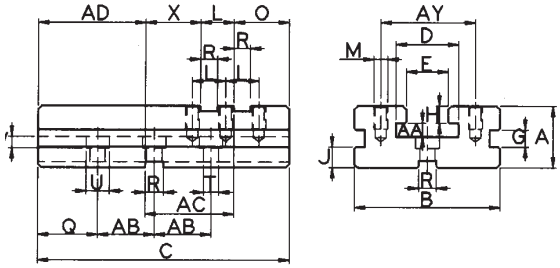
ESEMPI DI COMBINAZIONI
degli Art. 102, 103, 104

TYPICAL ARRANGEMENTS
of Art. 102, 103, 104

Articoli 44, 44A, 44B, 51, 51A, 51B
senza alcuna dotazione

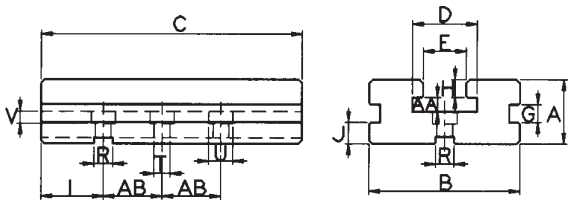
Art. 44, 44A, 44B, 51, 51A, 51B
supplied without any accessory

Art. 44



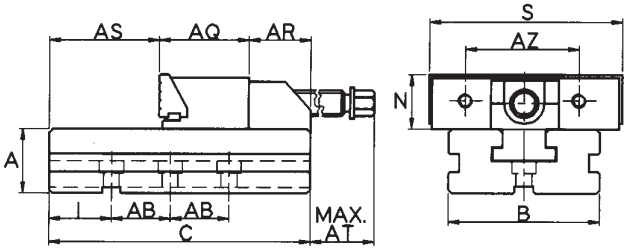
BASE DISPONIBILE IN ESECUZIONE SPECIALE — SPECIAL BASES AVAILABLE

Art. 51

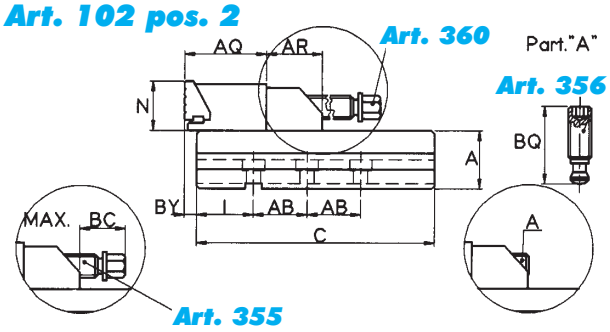


BASE DISPONIBILE IN ESECUZIONE SPECIALE — SPECIAL BASES AVAILABLE

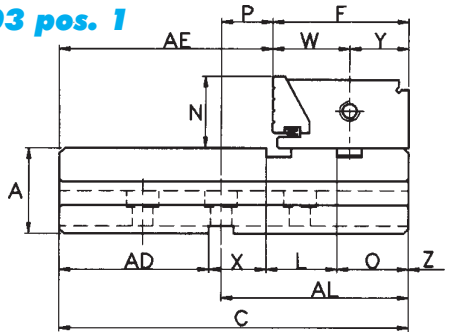
Art. 102 pos. 1



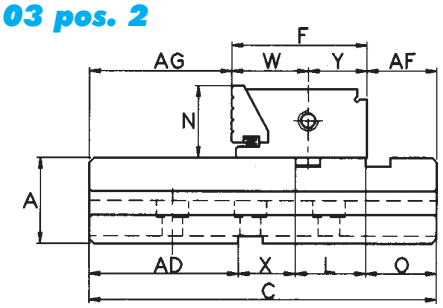
Art. 102 pos. 2



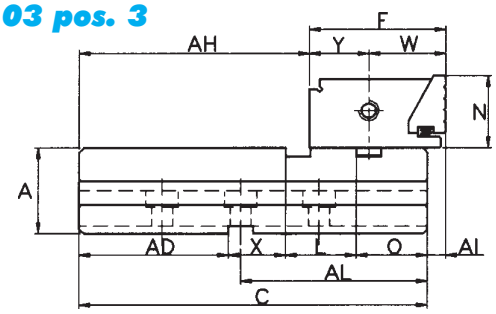
Art. 103 pos. 1



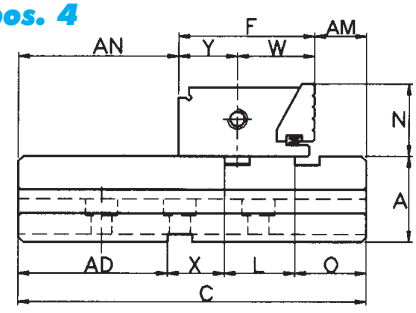
Art. 103 pos. 2



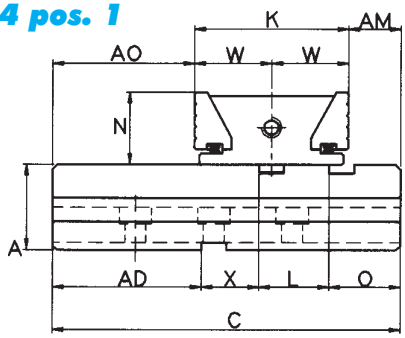
Art. 103 pos. 3



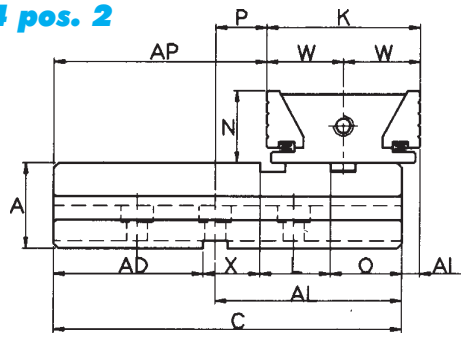
Art. 103 pos. 4



Art. 104 pos. 1

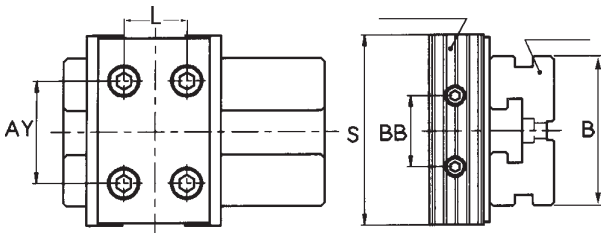


Art. 104 pos. 2



Vedere tabella dimensionale 5 - Pag. 3-8 — See dimension table 5 - Pag. 3-8

Art. 104

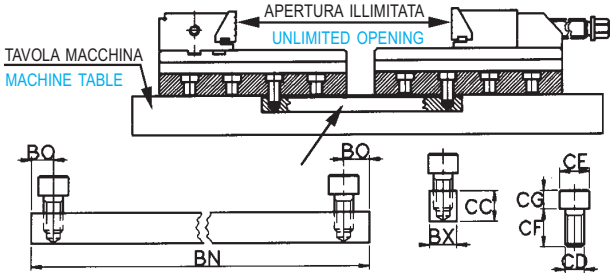


E' POSSIBILE L'USO DI QUALSIASI ALTRO TIPO DI GANASCIA DELLA STESSA GRANDEZZA . VEDI SELEZIONE GANASCE
YOU CAN USE ANY JAWS OF THE SAME SIZE - SEE JAWS SELECTION

Art. 358

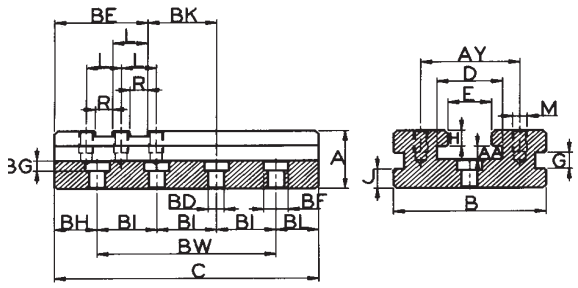
BARRA DI TENSIONE
TENSION BAR

DOTAZIONE STANDARD PER ART. 51 e 102
STANDARD EQUIPMENT FOR ART. 51 and 102



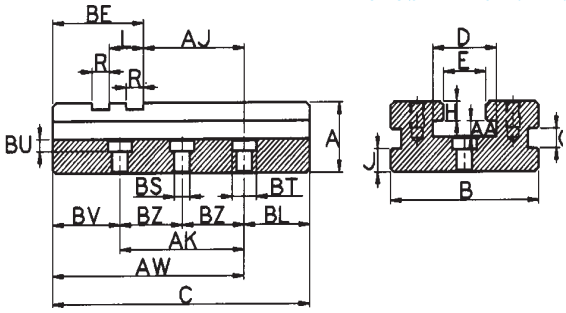
Art. 44A

FORI Ø 16 F7 PASSO 50mm ±0.01
HOLES Ø 16 F7 PITCH 50mm ±0.01



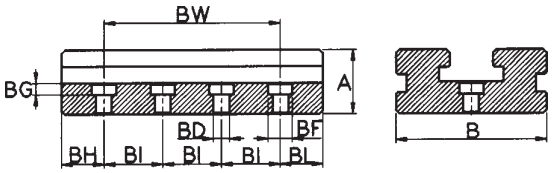
Art. 44B

FORI Ø 12F7 PASSO 40mm ±0.01
HOLES Ø 12F7 PITCH 40mm ±0.01



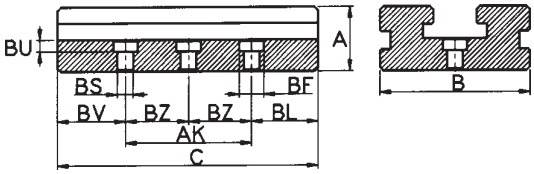
Art.51A

FORI Ø 16 F7 PASSO 50mm ±0.01
HOLES Ø 16 F7 PITCH 50mm ±0.01



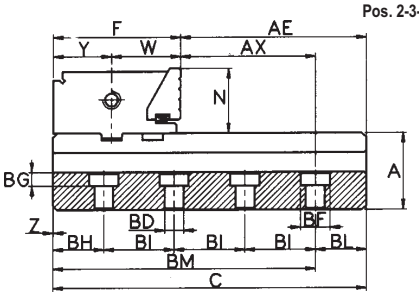
Art.51B

FORI Ø 12F7 PASSO 40mm ±0.01
HOLES Ø 12F7 PITCH 40mm ±0.01



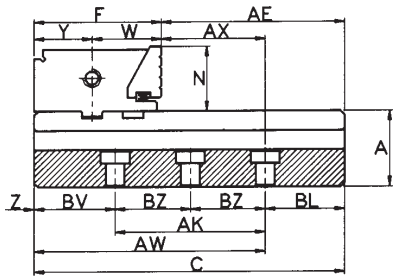
Art.103A

Pos.1 FORI Ø 16 F7 PASSO 50mm ±0.01
HOLES Ø 16 F7 PITCH 50mm ±0.01
Pos. 2-3-4 = ART. 103 Pos. 2-3-4



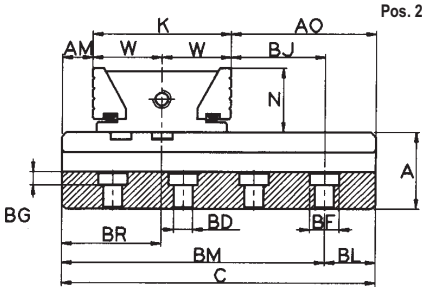
Art.103B

Pos.1 FORI Ø 12 F7 PASSO 40mm ±0.01
HOLES Ø 12 F7 PITCH 40mm ±0.01
Pos. 2-3-4 = ART. 103 Pos. 2-3-4



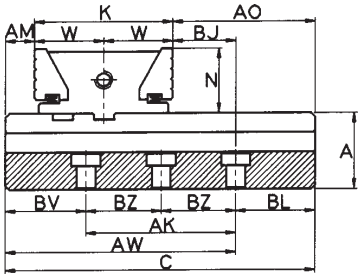
Art.104A

Pos.1 FORI Ø 16 F7 PASSO 50mm ±0.01
HOLES Ø 16 F7 PITCH 50mm ±0.01
Pos. 2 Dim.AM=AI Dim. AO=AP



Art.104B

Pos.1 FORI Ø 12 F7 PASSO 40mm ±0.01
HOLES Ø 12 F7 PITCH 40mm ±0.01
Pos. 2 Dim.AM=AI Dim. AO=AP



Vedere tabella dimensionale 5 - Pag. 3-8 See dimension table 5 - Pag. 3-8

TABELLA DIMENSIONALE 5

mm	TIPO (GRANDEZZA) MORSA				VISE TYPE (SIZE)		TOLLERANZA TOLERANCE
	1	2	3	4	5	6	
A	35	40	50	58	70	78	-0.02
B	75	95	125	145	170	195	-0.02
C	140	160	230	240	300	350	
D	31	41	57	70	80	90	
E	21	28	41	51	61	71	+0.02
F	77.9	77.9	89.4	96.9	113.4	120.4	-0.04
G	9.5	9.5	11.5	11.5	17.5	17.5	
H	10	10	13	15	20	20	-0.02
I	31	41	40	57.5	31	67	
J	15	15	20	20	26	26	
K	84.8	84.8	101.8	110.8	132.8	146.8	-0.04
L	32	32	36	36	44	44	-0.02
M	M10	M12	M14	M16	M20	M20	
N	30	40	50	60	65	80	±0.02
O	43	43	46	48	53	53	
P	33.6	33.6	33.6	33.6	33.6	33.6	±0.02
Q	29	49	157.5	61	55	98	-0.02
R	16	16	16	16	16	16	
S	100	125	150	175	200	300	
T	6.5	8.5	13	13	17	17	
U	10.5	13.5	19	19	26	26	
V	4.5	5.5	8.5	8.5	17	17	
W	42.4	42.4	50.9	55.4	66.4	73.4	±0.02
X	44	44	48.5	53	56	63	±0.02
Y	35.5	35.5	38.5	41.5	47	47	±0.02
Z	0.5	0.5	0.5	1.5	2	2	
AA	10	10	12	18	18	18	+0.04
AB	40	40	50	50	100	100	
AC	76	76	84.5	89	100	107	-0.02
AD	21	41	99.5	103	147	190	
AE	62.6	82.6	141.6	144.6	188.6	231.6	
AF	31.5	31.5	35.5	34.5	42	42	
AG	30.6	50.6	105.1	108.6	144.6	187.6	
AH	69.5	89.5	153.5	158.5	208	258	
AI	7.4	7.4	12.9	15.4	21.4	28.4	
AJ	36	36	40.5	45	48	55	±.0.1
AK	80	80	120	120	160	240	±0.01
	3xØ12	3xØ12	4xØ12	4xØ12	3xØ12	4xØ12	
AL	111	111	122.5	129	145	152	
AM	24.6	24.6	23.6	20.6	22.6	15.6	
AN	37.5	57.5	117.5	122.5	164.	214	
AO	30.6	50.6	105.1	108.6	144.6	187.6	
AP	62.6	82.6	141.6	144.6	188.6	231.6	
AQ	50	60	80	90	100	120	
AR	32	51	48	68	78	94	
AS	58	49	102	82	122	136	

DIMENSION TABLE 5

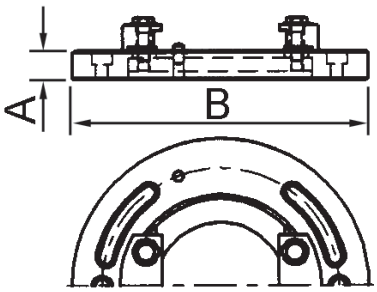
mm	TIPO (GRANDEZZA) MORSA				VISE TYPE (SIZE)		TOLLERANZA TOLERANCE
	1	2	3	4	5	6	
AT	55	68	82	62	92	70	
AU	45	38	47	27	52	45	
AV	29	49	107.5	111	155	198	
AW	111	111	122.5	129	145	152	
AX	33.6	33.6	33.6	33.6	33.6	33.6	±0.02
AY	50	62	88	100	120	133	
AZ	62	80	90	116	138	184	
BA							
BB	20	32	50	50	76	90	
BC	45	38	47	32	52	55	
BD	16	16	16	16	16	16	F7
BE	75	75	82	84	97	97	
BF	20.5	25	25	25	25	25	
BG	8	8	10	10	10	10	
BH	36	21	40	32.5	31	67	
BI	50	50	50	50	50	50	±0.01
BJ	33.6	33.6	33.6	33.6	33.6	33.6	±0.02
BK	36	36	40.5	45	48	55	±0.01
BL	29	39	40	57.5	69	83	
BM	111	121	190	182.5	231	267	
BN	320	320	400	400	500	500	
BO	11	11	18	18	20	20	
BP	24.6	24.6	23.1	20.6	22.6	15.6	
BQ	35	35	38	40	45	45	
BR	67	67	74	76	89	89	
BS	12	12	12	12	12	12	F7
BT	20	20	20	20	20	20	
BU	8	8	8	8	8	8	
BV	31	31	42.5	49	65	72	
BW	100	100	150	150	200	200	±0.01
	3xØ16	3xØ16	4xØ16	4xØ16	3xØ16	3xØ16	
BX	10	10	15	15	20	20	
BY	10	10	15	20	25	30	
BZ	40	40	40	40	40	40	±0.01
CA							
CB							
CC	20	20	25	25	25	25	
CD	M6	M8	M12	M12	M16	M16	
CE	9	12	18	18	24	24	
CF	15	15	20	20	30	30	
CG	4	5	12	12	16	16	
CH							
CI							
CJ							
CK							
CL							

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

GRUPPI PREASSEMBLATI
PRE-ASSEMBLED GROUPS

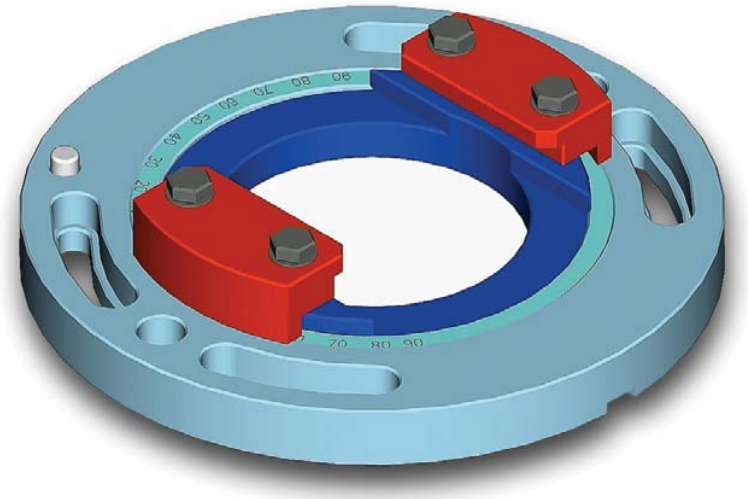
Art. 105 SENZA ALCUNA DOTAZIONE
Art. 105 ARE SUPPLIED WITHOUT ACCESSORY EQUIPMENT

Art. 105

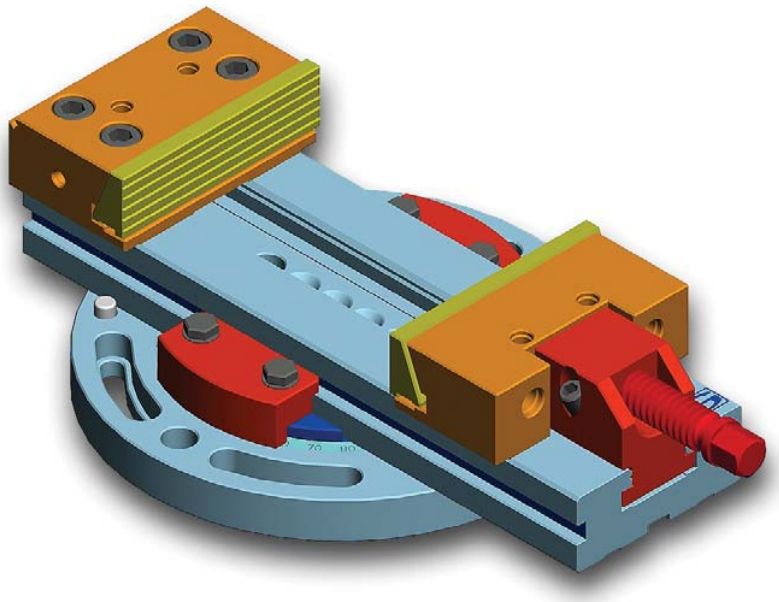


BASE GIREVOLE
SWIVEL BASE

	1	2	3	4	5	6
A mm	20	23	28	28	34	38
B mm	180	225	290	320	370	400
kg	3.3	5.5	10.8	13	21	25.3
COD.	2.10.51000	2.10.52000	2.10.53000	2.10.54000	2.10.55000	2.10.56000
€	288	329	391	429	622	776



Art. 105 *(Art. 365 + 366 + 367 + 368 + 420 + 430)*



Art. 2 *(Art. 1 + Art. 105)*

TIPO (GRANDEZZA) MORSA VISE TYPE (SIZE)		1	2	3	4	5	6
Art. 365 ANELLO ESTERNO PER BASE GIREVOLE / OUTER RING SWIVEL BASE	COD.	1.81.11000	1.81.21000	1.81.31000	1.81.41000	1.81.51000	1.81.61000
	€	268	306	365	400	582	726
Art. 366 ANELLO INTERNO PER BASE GIREVOLE / INNER RING SWIVEL BASE	COD.	1.81.12000	1.81.22000	1.81.32000	1.81.42000	1.81.52000	1.81.62000
	€	129	147	176	191	279	347
Art. 367 STAFFA PER BASE GIREVOLE / CLAMP SWIVEL BASE	COD.	1.84.10000	1.84.20000	1.84.30000	1.84.40000	1.84.50000	1.84.60000
	€	37	37	44	44	51	51
Art. 368 SPINA CILINDRICA PER BASE GIREVOLE / STRAIGHT PIN SWIVEL BASE	COD.	0.80.11000	0.80.21000	0.80.31000	0.80.41000	0.80.51000	0.80.61000
	€	4	4	6	6	6	8
Art. 420 VITE ESAGONALE PER BASE GIREVOLE / BOLT SWIVEL BASE	COD.	0.05.08035	0.05.10035	0.05.10040	0.05.12050	0.05.14060	0.05.14060
	€	2	2	2	3	3	3
Art. 430 RONDELLA PER BASE GIREVOLE / WASHER SWIVEL BASE	COD.	0.75.18416	0.75.11052	0.75.11052	0.75.11325	0.75.11525	0.75.11525
	€	2	2	2	2	2	2

Art. 105