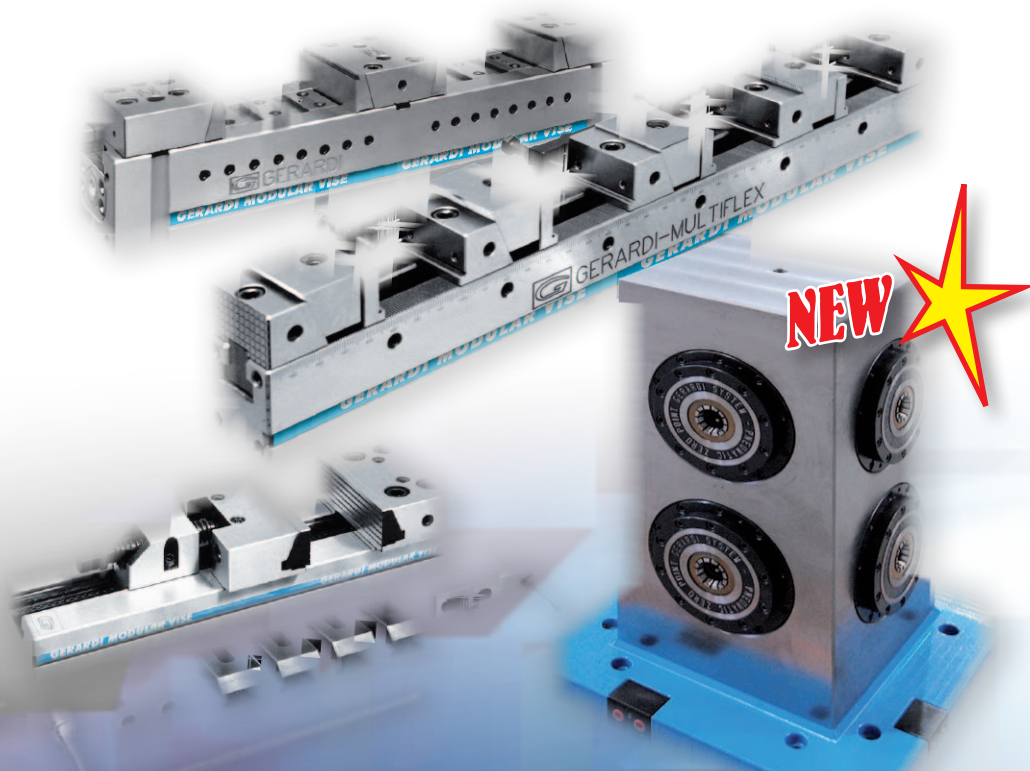


World wide advanced
for over 40 years!



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MORSE MODULARI DI PRECISIONE PRECISION MODULAR VISES

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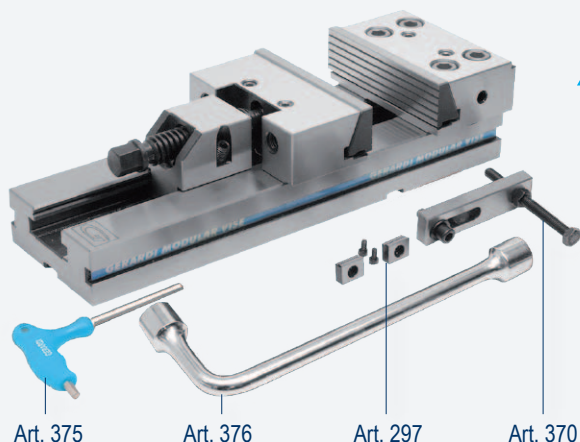
**IL SISTEMA DI MORSE MODULARI CON LA PIU' VASTA GAMMA DI COMBINAZIONI
THE WORKHOLDING SYSTEM WITH THE LARGEST RANGE OF APPLICATIONS AVAILABLE IN THE WORLD**

Serie **STANDARD** LE PIU' DIFFUSE NEL MONDO

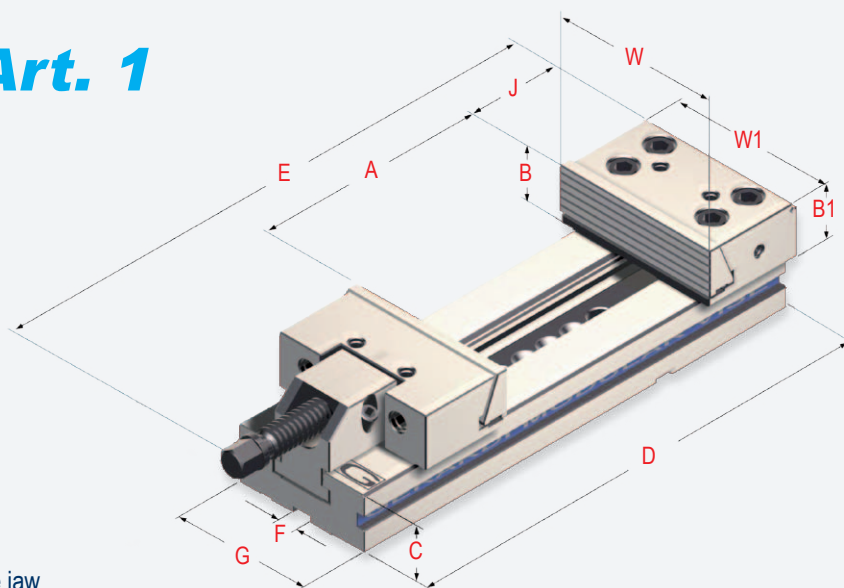
Una serie di morsa per le esigenze di lavoro più disparate per la lavorazione di pezzi grezzi, piani e tondi.
Il trinomio perfetto: Convenienza, Qualità, Versatilità.

STANDARD series THE MOST POPULAR

A range of vises for the most varied and complicate needs of rough, flat and round workpieces machining.
The perfect mix: Price, Quality, Versatility.



Art. 1



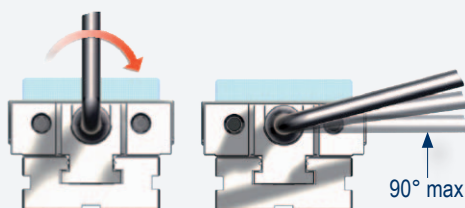
Morsa modulare di precisione **STD**
con ganaschia mobile
monoblocco guidata

STD precision
modular vise with
solid guided movable jaw

Typo (grandezza) morsa / Vise (type) size	1		2		3		4			
Apertura massima / Maximum spread	A	100	150	200	300	200	300	400	500	
	W	100	125	150				175		
	W1	96	121	146				171		
	W2	75	95	125				145		
	B	30	40	50				60		
	B1	28	38	48				58		
	C	35	40	50				58		
	D	270	345	420	520	455	555	655	755	
	E	320	410	500	600	530	630	730	830	
	F	16	16	16				16		
	G	75	95	125				145		
	J	77,9	77,9	89,4				96,9		
	kg	6.8	12.9	25.5	29	37	42	47	52	

- PRECISIONE $\pm 0,02\text{mm}$ ■ VERSATILITÀ
- RIGIDITÀ E SICUREZZA ■ RAPIDITÀ DEI SERRAGGI
- USURA INESISTENTE ■ MODULARITÀ
- DESIGN COMPATTO E MANEGGEVOLE ■ ALTISSIMA RIPETIBILITÀ DI POSIZIONAMENTO (Art. 1A)
- EFFETTO DISCENDENTE AMPLIFICATO E MIGLIORATO E MIGLIOR PROTEZIONE DAI TRUCIOLI SU Art. 1A
- RICONFIGURAZIONE RAPIDISSIMA (Art. 1A)
- POSSIBILITÀ DI ACCOPIAMENTO VERTICALE (Art. 1A)

- HIGHEST ACCURACIES $\pm 0,02\text{mm}$ ■ VERSATILITY
- RIGIDITY & SAFETY ■ QUICK CLAMPING ■ NO WEAR
- MODULARITY ■ SPACE SAVING DESIGN & HANDY
- HIGHEST REPOSITIONING ACCURACY (Art. 1A)
- INCREASED AND BETTER PULL DOWN ACTION AND BETTER PROTECTION FROM CHIPS FOR Art. 1A
- GREAT SAVINGS IN VISE RESETTING TIMES (Art. 1A)
- VERTICAL GANG OPERATION (Art. 1A)

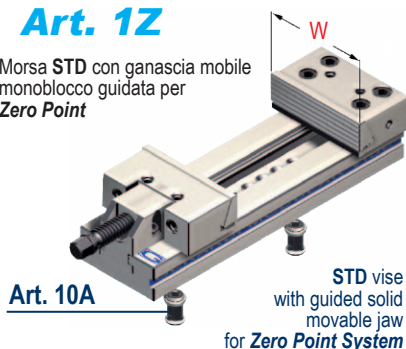


Attenzione: nel serraggio basta 1/4 di giro della chiave dal momento in cui la ganaschia tocca il particolare.

Attention: for the right clamping operation 1/4 of a turn of the box wrench is enough.

Art. 1Z

Morsa **STD** con ganaschia mobile monoblocco guidata per **Zero Point**

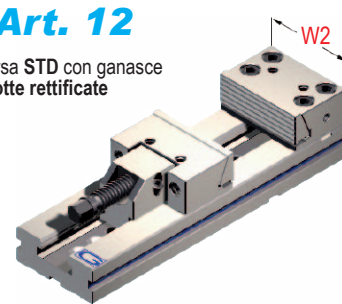


Art. 10A

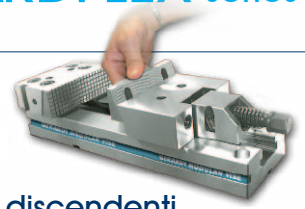
STD vise with guided solid movable jaw for **Zero Point System**

Art. 12

Morsa **STD** con ganasche ridotte rettificate



STD vise with narrow width ground jaws



Serie **StandardFLEX** LE PIU' EVOLUTE

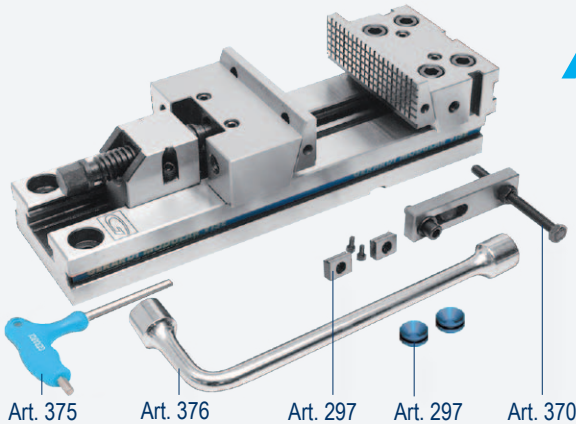
La nuova serie di morse con cambio rapido delle piastre ganasce senza utilizzo di chiavi.

Geniale sistema a pettine per la rapida sostituzione delle piastre ganasce discendenti

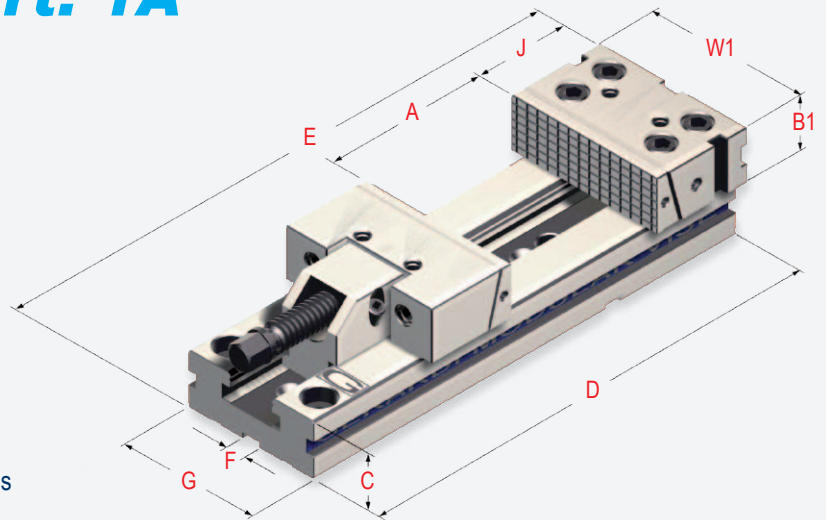
StandardFLEX series THE MOST RECENT

The new range of vises with quick change jaw plated. No wrench needed.

Innovative comb system for quick pull-down jaw plate change



Art. 1A



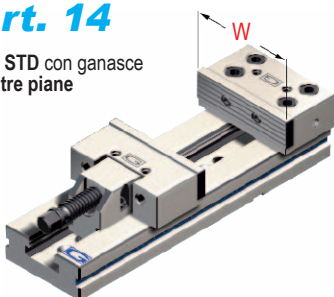
Morsa **StandardFLEX**
con piastre ganasce
a cambio rapido manuale
(Sistema a pettine)

StandardFLEX vise with
quick manual change jaw plates
(Comb system)

5					6							
200	300	400	500	600	200	300	400	500	600	700	800	
		200						300				
		196						296				
		170						195				
		65						80				
		63						78				
		70						78				
495	595	695	795	895	535	635	735	835	935	1035	1135	
580	680	780	880	980	630	730	830	930	1030	1130	1230	
		16						16				
		170						195				
		113,4						120,4				
64	69	74	79	84	95	105	115	125	135	145	155	

Art. 14

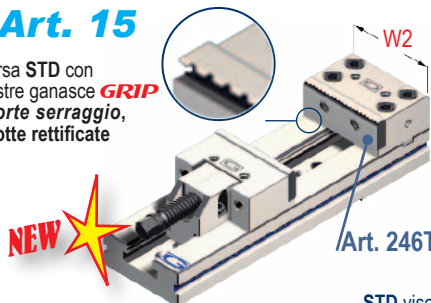
Morsa **STD** con ganasce
a piastre piane



STD vise
with straight-plate jaw

Art. 15

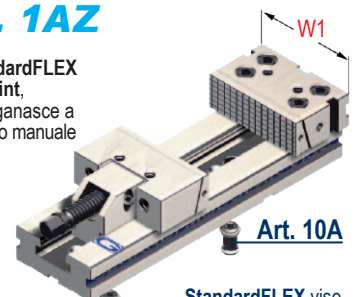
Morsa **STD** con
piastre ganasce **GRIP**
a forte serraggio,
ridotte rettifiche



STD vise
with **GRIP** jaw-plates
for strongest clamping, narrow width ground

Art. 1AZ

Morsa **StandardFLEX**
per Zero Point,
con piastre ganasce a
cambio rapido manuale



StandardFLEX vise
for Zero Point System
with quick manual change jaw-plates

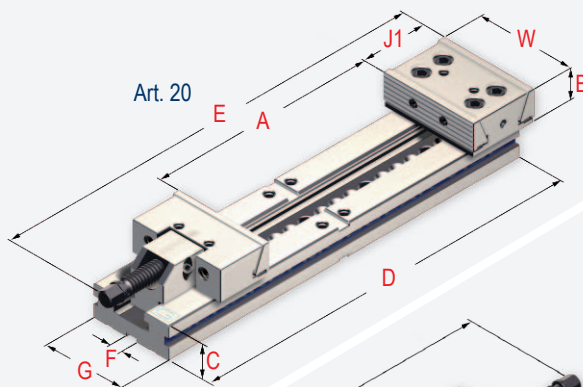
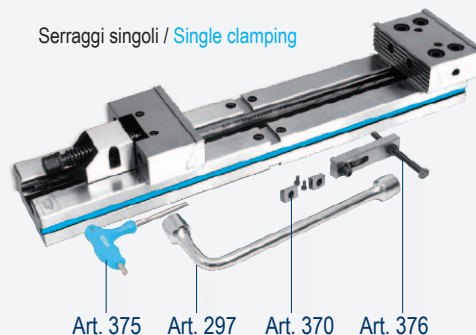
Serie XL PER LAVORAZIONI EXTRA LARGE

La serie di morsa con la base molto più lunga delle normali morsa standard
Una gamma completa adatta per il serraggio di particolari fuori misura

Art. 20

Morsa XL ad apertura singola con ganasce mobile guidata monoblocco

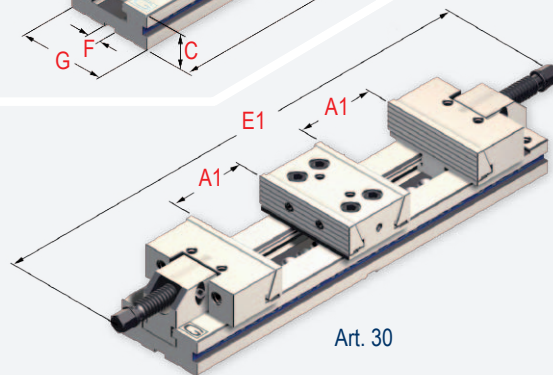
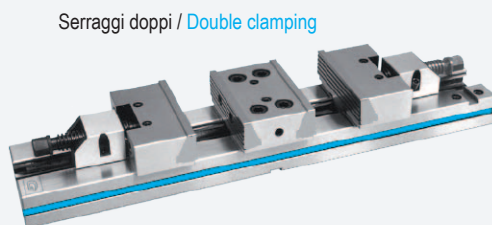
Single opening XL vise with solid movable guided jaw



Art. 30

Morsa XL a doppia apertura con ganasce mobile guidata monoblocco

Double opening XL vise with solid movable guided jaw



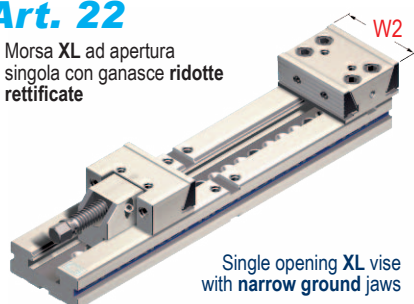
Typo (grandezza) morsa / Vise (type) size	1	2	3	4						
Apertura massima / Maximum spread	A	290	320	360	460	400	500	600	700	
	A1	2 x 90	2 x 100	2 x 110	2 x 160	2 x 120	2 x 170	2 x 220	2 x 270	
	W	100	125	150				175		
	W1	96	121	146				171		
	W2	75	95	125				145		
	B	30	40	50				60		
	B1	28	38	48				58		
	C	35	40	50				58		
	D	460	520	580	680	666	766	866	966	
	E	510	585	660	760	740	840	940	1040	
	E1	546	640	730	830	786	886	986	1086	
	F	16	16	16				16		
	G	75	95	125				145		
	J1	84,78	84,78	101,78				110,78		
Peso / Weight	Art. 20 - Art. 20A	kg	10	17	31	34	46	51	56	61
Peso / Weight	Art. 30 - Art. 30A	kg	14	20,5	38	42	58	63	68	73

- PRECISIONE ± 0,02mm ■ VERSATILITÀ
- RIGIDITÀ E SICUREZZA ■ RAPIDITÀ DEI SERRAGGI
- USURA INESISTENTE ■ MODULARITÀ
- DESIGN COMPATTO E MANEGGEVOLE ■ ALTISSIMA RIPETIBILITÀ DI POSIZIONAMENTO (Art. 2A - 30A)
- EFFETTO DISCENDENTE AMPLIFICATO E MIGLIORATO E MIGLIOR PROTEZIONE DAI TRUCIOLI SU Art. 2A - 30A
- RICONFIGURAZIONE RAPIDISSIMA (Art. 20A - 30A)
- POSSIBILITÀ DI ACCOPPIAMENTO VERTICALE (Art. 20A - 30A)

- HIGHEST ACCURACIES ± 0,02mm ■ VERSATILITY
- RIGIDITY & SAFETY ■ QUICK CLAMPING ■ NO WEAR
- MODULARITY ■ SPACE SAVING DESIGN & HANDY
- HIGHEST REPOSITIONING ACCURACY (Art. 20A - 30A)
- INCREASED AND BETTER PULL DOWN ACTION AND BETTER PROTECTION FROM CHIPS FOR Art. 20A - 30A
- GREAT SAVINGS IN VISE RESETTIMG TIMES (Art. 20A - 30A)
- VERTICAL GANG OPERATION (Art. 20A - 30A)

Art. 22

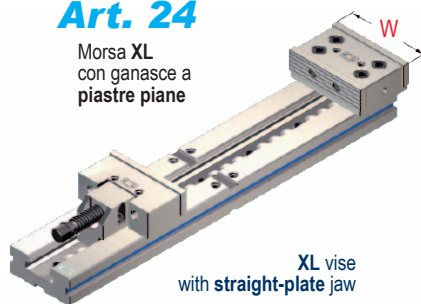
Morsa XL ad apertura singola con ganasce ridotte rettificare



Single opening XL vise with narrow ground jaws

Art. 24

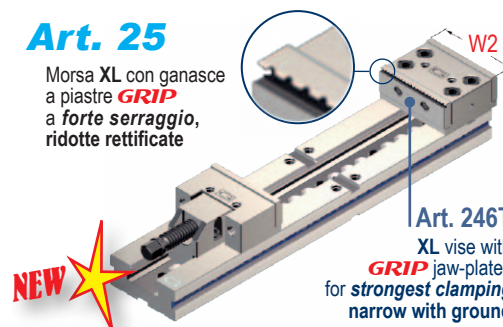
Morsa XL con ganasce a piastre piane



XL vise with straight-plate jaw

Art. 25

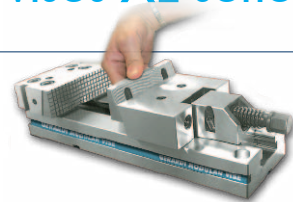
Morsa XL con ganasce a piastre GRIP a forte serraggio, ridotte rettificare



Art. 246T
XL vise with GRIP jaw-plates for strongest clamping narrow with ground

Morse modulari di precisione serie XL

Precision modular vises XL series



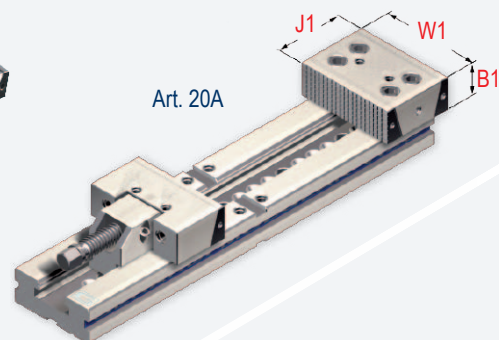
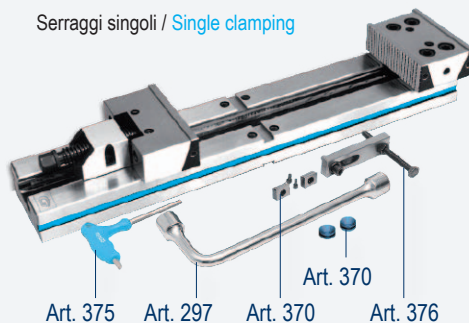
XL series EXTRA LARGE MACHINING

Vises with much longer base than standard ones
A range of vises without any opening limit

Art. 20A

Morsa XL a **apertura singola** con piastre ganasce a cambio rapido manuale.
(Sistema a pettine)

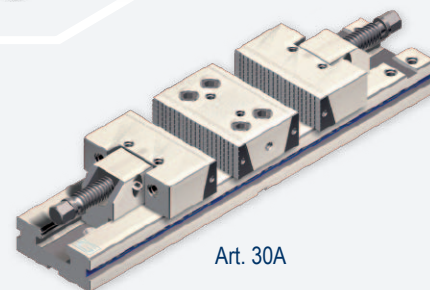
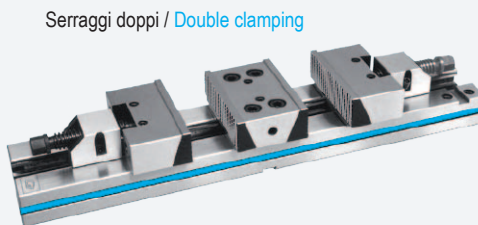
Single opening XL vise
with quick manual change jaw plates
(Comb system)



Art. 30A

Morsa XL a **doppia apertura** con piastre ganasce a cambio rapido manuale.
(Sistema a pettine)

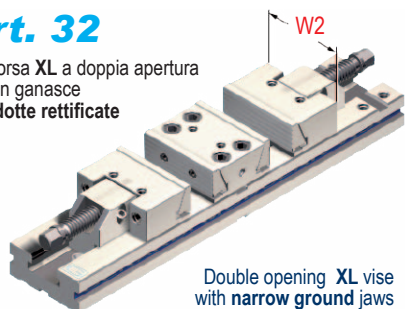
Double opening XL vise
with quick manual change jaw plates
(Comb system)



5					6							
500	600	700	800	900	500	600	700	800	900	1000	1100	
2 x 150	2 x 200	2 x 250	2 x 300	2 x 350	2 x 160	2 x 210	2 x 260	2 x 310	2 x 360	2 x 410	2 x 460	
		200							300			
		196							296			
		170							195			
		70							78			
		63							78			
		70							78			
805	905	1005	1105	1205	900	1000	1100	1200	1300	1400	1500	
890	990	1090	1190	1290	995	1095	1195	1295	1395	1495	1595	
965	1065	1165	1265	1365	1060	1160	1260	1360	1460	1560	1660	
		16							16			
		170							195			
		132,78							146,78			
85	92	99	106	113	127	137	147	157	167	177	187	
95	101	107	113	119	154	162	170	178	186	194	212	

Art. 32

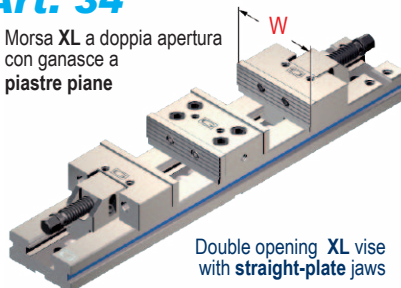
Morsa XL a doppia apertura con ganasce ridotte rettificate



Double opening XL vise with narrow ground jaws

Art. 34

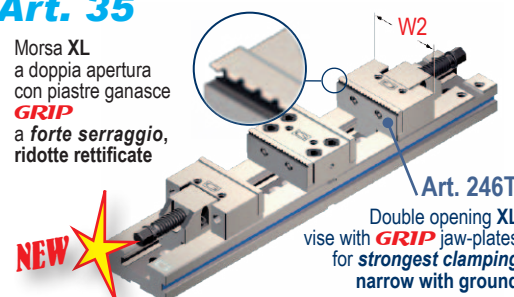
Morsa XL a doppia apertura con ganasce a piastre piane



Double opening XL vise with straight-plate jaws

Art. 35

Morsa XL a doppia apertura con piastre ganasce GRIP a forte serraggio, ridotte rettificate



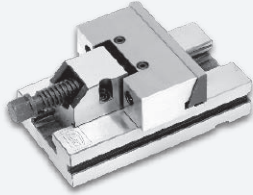
Art. 246T Double opening XL vise with GRIP jaw-plates for strongest clamping narrow with ground

Gli **ELEMENTI MODULARI** altro non sono che delle morse STD selezionate 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 an extreme versatility

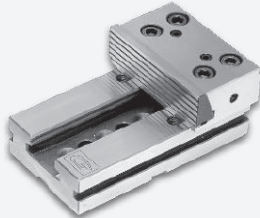
Art. 102

Blocco tenditore
Movable section



Art. 103

Blocco fisso
Fixed section



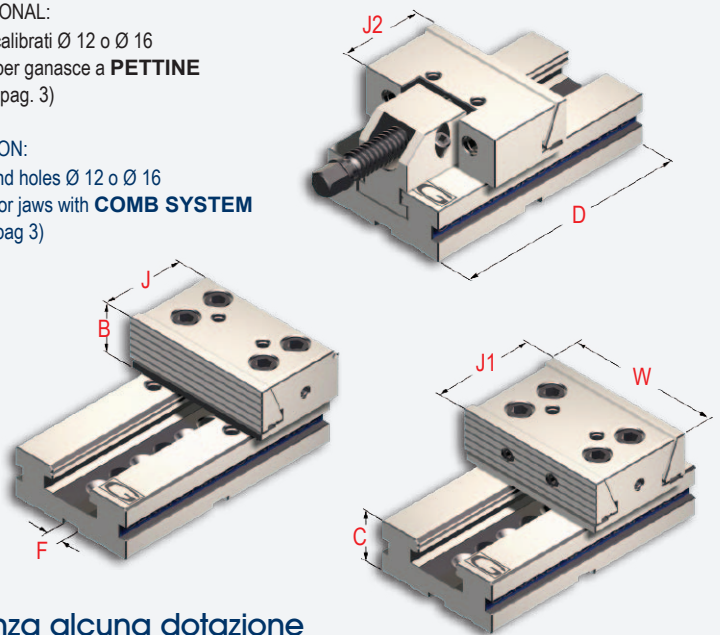
Art. 104

Blocco fisso con ganaschia doppia
Double fixed section



OPTIONAL:
Fori calibrati Ø 12 o Ø 16
solo per ganaschia a **PETTINE**
(vedi pag. 3)

OPTION:
Ground holes Ø 12 o Ø 16
only for jaws with **COMB SYSTEM**
(see pag 3)

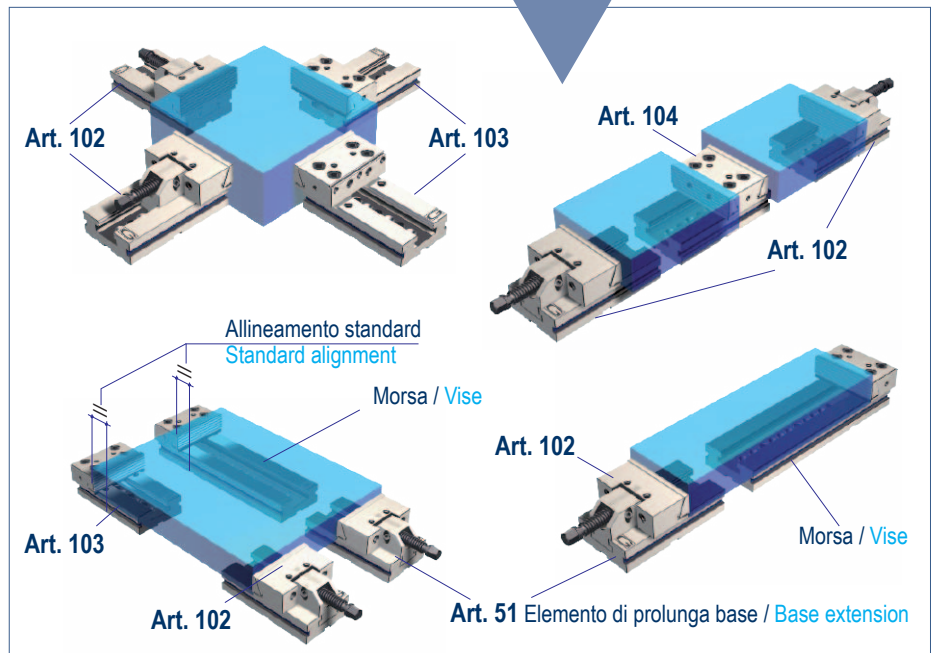


Senza alcuna dotazione
Without accessory equipment

Tipo (grandezza) morse / Vise (type) size

mm	1	2	3	4	5	6
W	100	125	150	175	200	300
B	30	40	50	60	65	80
C	35	40	50	58	70	78
D	140	160	230	240	330	350
F	16	16	16	16	16	16
J	77,9	77,9	89,4	96,9	113,4	120,4
J1	84,78	84,78	101,78	110,78	132,78	146,78
J2	50	60	80	90	100	120

Esempi di impiego con elementi modulari / Typical arrangements



- PRECISIONE ± 0,02mm ■ VERSATILITÀ ■ RIGIDITÀ E SICUREZZA
- RAPIDITÀ DEI SERRAGGI ■ USURA INESISTENTE
- MODULARITÀ ■ DESIGN COMPATTO E MANEGGEVOLE
- ALTISSIMA RIPETIBILITÀ DI POSIZIONAMENTO (Art. 2A - 30A)
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- E MIGLIOR PROTEZIONE DAI TRUCIOLI SU Art. 2A - 30A
- RICONFIGURAZIONE RAPIDISSIMA (Art. 20A - 30A)
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- HIGHEST ACCURACIES ± 0,02mm ■ VERSATILITY ■ RIGIDITY & SAFETY
- QUICK CLAMPING ■ NO WEAR ■ MODULARITY
- SPACE SAVING DESIGN & HANDY
- HIGHEST REPOSITIONING ACCURACY (Art. 20A - 30A)
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- BETTER PROTECTION FROM CHIPS FOR Art. 20A - 30A
- GREAT SAVINGS IN VISE RESETTIMG TIMES (Art. 20A - 30A)
- VERTICAL GANG OPERATION (Art. 20A - 30A)