



Tipo (grandezza) morsa / Vise (type) size	kN	1		2				3	
		25 kN		25 kN				30 kN	
Apertura massima / Maximum opening	A	2 x 16	2 x 66	2 x 54	2 x 104	2 x 154	2 x 204	2 x 74	2 x 124
	B	25		30				40	
	C	70		90				100	
	D	232	332	300	400	500	600	400	500
	E	252	352	320	420	520	620	425	525
	G	75		95				125	
	J	56		64				84	
	W	74		94				124	
kg		9	12	22	29	35	42	44	49

**3 MORSE IN UNA
VISES IN ONE**



Art. 860

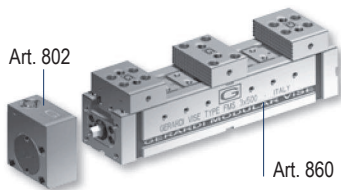
Art. 855 + Art. 805C + n. 2 Art. 810

Cod.	5.86.01200	5.86.01300	5.86.02300	5.86.02400	5.86.02500	5.86.02600	5.86.03400	5.86.03500
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SPECIAL PRICE

Art. 860D

(Art. 860 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

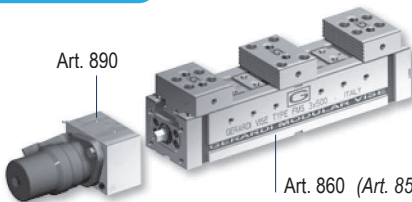


Cod.	5.86.0D120	5.86.0D130	5.86.0D230	5.86.0D240	5.86.0D250	5.86.0D260	5.86.0D340	5.86.0D350
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Art. 860 (Art. 855 + Art. 805C + n. 2 Art. 810)

Art. 860E

(Art. 860 + 890) Morsa + motore idraulico / Vise + hydraulic motor

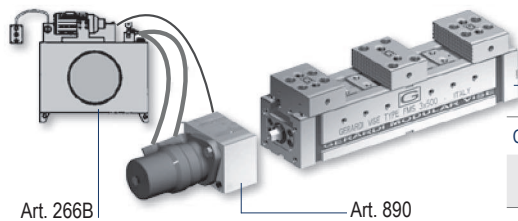


Cod.	5.86.0E120	5.86.0E130	5.86.0E230	5.86.0E240	5.86.0E250	5.86.0E260	5.86.0E340	5.86.0E350
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Art. 860 (Art. 855 + Art. 805C + n. 2 Art. 810)

Art. 860F

(Art. 860 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit



Cod.	5.86.0F120	5.86.0F130	5.86.0F230	5.86.0F240	5.86.0F250	5.86.0F260	5.86.0F340	5.86.0F350
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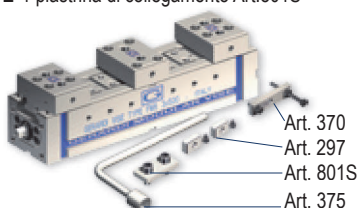
Art. 860 (Art. 855 + Art. 805C + n. 2 Art. 810)

Art. 860

Morsa doppia, singola, autocentrante con ganasce piane / Double, single, self-centering vise with straight jaws

Dotazione standard:

- 2 arresti laterali Art. 370
- 1 coppia di tasselli di posizionamento precisi Art. 297
- 1 chiave a pipa Art. 375
- 1 piastrina di collegamento Art.801S

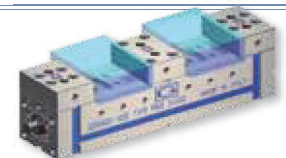
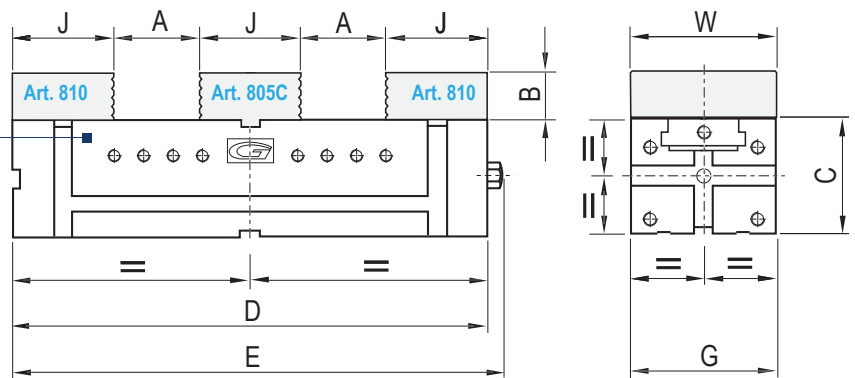


Standard equipment:

- 2 workstops Art. 370
- 1 pair of precision positioning key-nuts Art. 297
- 1 box wrench Art. 375
- 1 connecting plate Art.801S

Art. 855

Corpo base
Base body





3 30 kN			4 30 kN				5 32 kN			6 32 kN		
2 x 174	2 x 224	2 x 274	2 x 103	2 x 153	2 x 203	2 x 253	2 x 138	2 x 188	2 x 238	2 x 238	2 x 288	2 x 338
40			50				60			60		
100			120				140			160		
600	700	800	500	600	700	800	600	700	800	800	900	1000
625	725	825	525	625	725	825	625	725	825	825	925	1025
125			145				170			190		
84			98				108			108		
124			144				169			189		
54	59	64	71	79	88	96	130	140	150	210	230	250
5.86.03600	5.86.03700	5.86.03800	5.86.04500	5.86.04600	5.86.04700	5.86.04800	5.86.05600	5.86.05700	5.86.05800	5.86.06800	5.86.06900	5.86.06100



Art. 860D

(Art. 860 + 802) Morsa + moltiplicatore di coppia / Vise + torque multiplier

5.86.0D360	5.86.0D370	5.86.0D380	5.86.0D450	5.86.0D460	5.86.0D470	5.86.0D480	5.86.0D560	5.86.0D570	5.86.0D580	5.86.0D680	5.86.0D690	5.86.0D610
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Art. 860E

(Art. 860 + 890) Morsa + motore idraulico / Vise + hydraulic motor

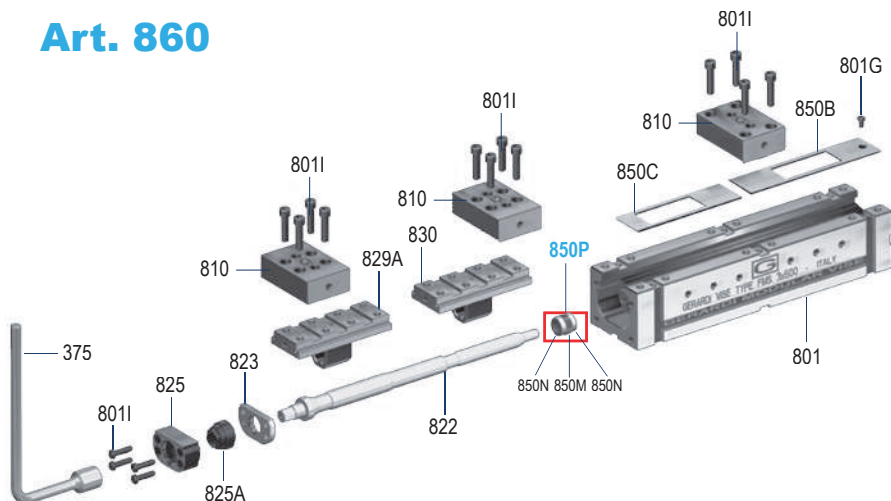
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Art. 860F

(Art. 860 + 890 + 266B) Morsa + motore idraulico + centralina / Vise + hydraulic motor + power unit

5.86.0F360	5.86.0F370	5.86.0F380	5.86.0F450	5.86.0F460	5.86.0F470	5.86.0F480	5.86.0F560	5.86.0F570	5.86.0F580	5.86.0F680	5.86.0F690	5.86.0F610
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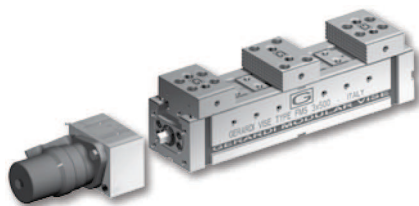
Art. 860



Art.	Pag.	Art.	Pag.
375	4.27	850B	5.54
801	5.40	850C	5.54
801G	5.54	-	-
801I	5.54	-	-
805C	5.49	-	-
822	5.46	-	-
823	5.52	-	-
825	5.52	-	-
825A	5.54	-	-
829A	5.44	-	-
830	5.44	-	-

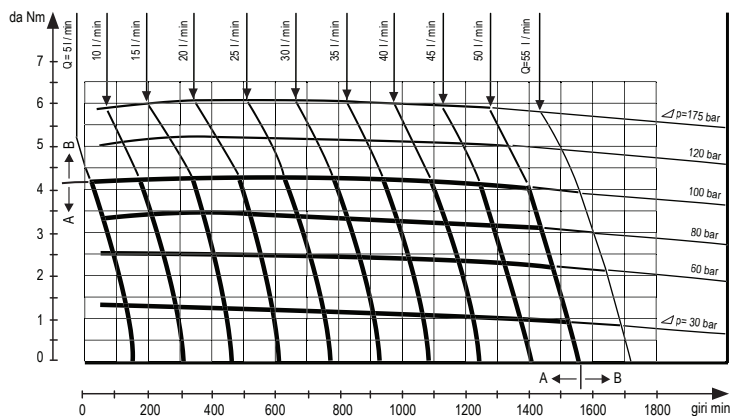
Art. 860E

(Art. 860 + 890) Morsa + motore idraulico
 (Art. 860 + 890) Vise + hydraulic motor



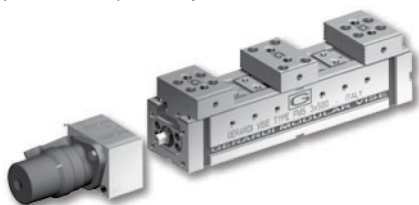
OMM 32

Morse FMS tipo 1 / Type 1 FMS vises



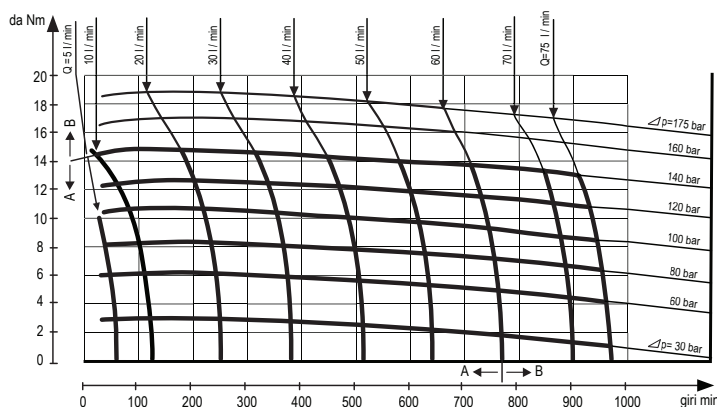
Art. 860E

(Art. 860 + 890) Morsa + motore idraulico
 (Art. 860 + 890) Vise + hydraulic motor



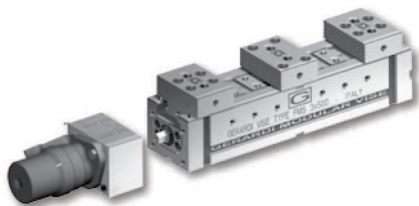
OMP 80

Morse FMS tipo 2 / Type 2 FMS vises



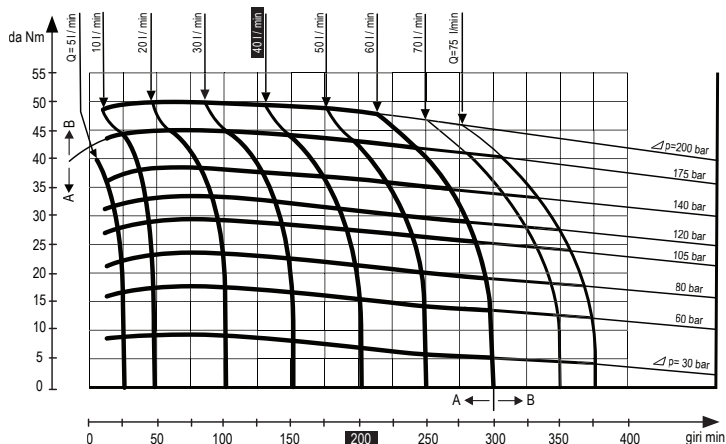
Art. 860E

(Art. 860 + 890) Morsa + motore idraulico
 (Art. 860 + 890) Vise + hydraulic motor



OMR 200

Morse FMS tipo 3 - 4 - 5 - 6
 Type 3 - 4 - 5 - 6 FMS vises



VELOCITA' = Passo vite x giri/min (dati dalla portata di olio in l/min) - 25% circa per attriti e resistenze varie.

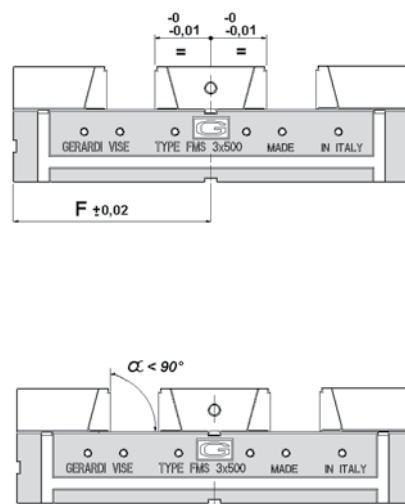
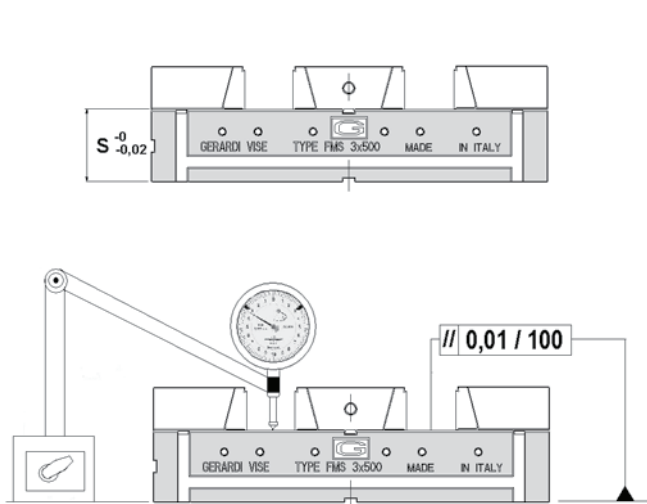
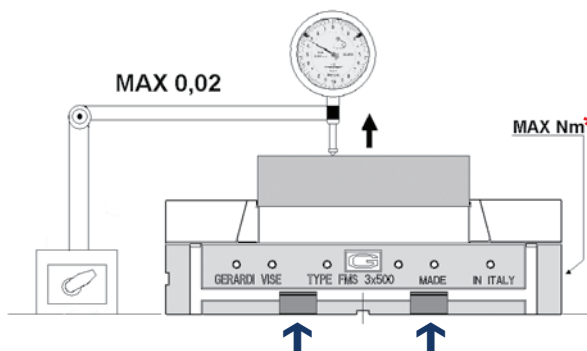
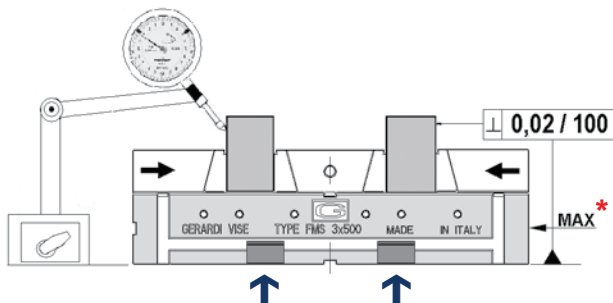
Esempio: Vite passo 2 mm; Giri 200/min (ipotizzando una portata olio di 40 l/min); $V = 2 \times 200 = 400 - 25\% = 300$ mm/min per una morsa.

Per più morse dividere la velocità ottenuta per il numero delle morse impiegate.

SPEED = Screw pitch x RPM (that you get from oil pump of 40 l/min) about - 25% for friction and other resistance.

Example: Screw pitch 2mm; RPM 200/min (taking in consideration oil pump of 40 l/min); $V = 2 \times 200 = 400 - 25\% = 300$ mm/min for one vise.

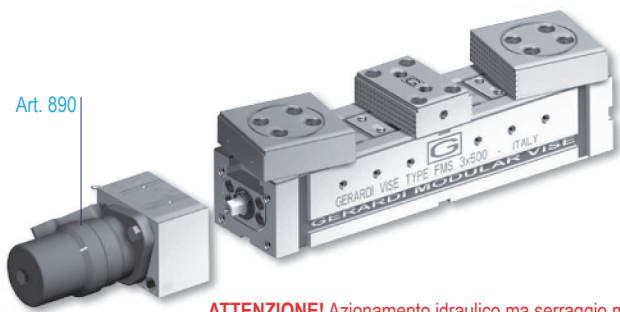
For more vises divide the speed obtained by the number of vises used.

TOLLERANZE GEOMETRICHE
GEOMETRIC ACCURACIES

TOLLERANZE DINAMICHE
DINAMIC ACCURACIES


Morsa ancorata con 2 coppie di staffe / Vise clamped with n. 2 pairs of

Art 865		* Coppia applicata - Torque Nm	Forza di serraggio - Clamping power
Morsa tipo 1	Vise type 1	120	2500 Kgf
Morsa tipo 2	Vise type 2	140	2500 Kgf
Morsa tipo 3	Vise type 3	180	3000 Kgf
Morsa tipo 4	Vise type 4	180	3000 Kgf
Morsa tipo 5	Vise type 5	240	3200 Kgf
Morsa tipo 6	Vise type 6	240	3200 Kgf

1 kgf . m = 9.806



SERRAGGIO MECCANICO
TRAMITE MOTORE IDRAULICO Art. 890

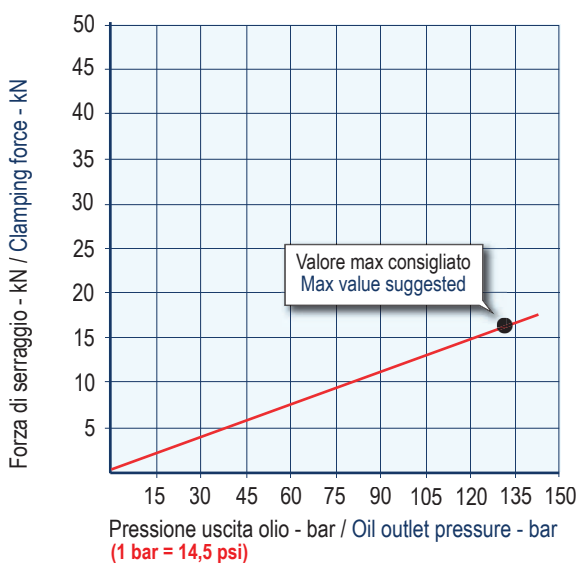
N.B. Alcuni fattori, come la lubrificazione, lo staffaggio, gli attriti ed altro, possono modificare i valori indicati fino a $\pm 10\%$. Per un corretto utilizzo non superare i valori indicati nel grafico

MECHANICAL CLAMPING
THROUGH HYDRAULIC MOTOR Art. 890 Some factor as lubrication, type of 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

ATTENZIONE! Azionamento idraulico ma serraggio meccanico (PIU' SICURO)
IMPORTANT! Hydraulic control, but mechanical clamping (SAFER)

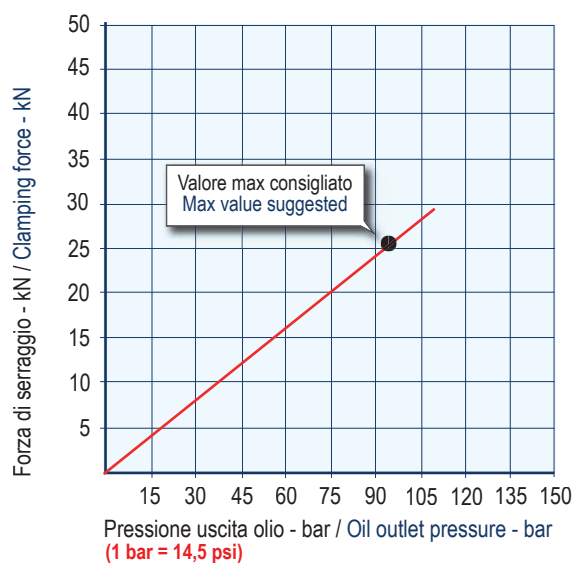
MORSE FMS TIPO 1
FMS VISES TYPE 1

VITE: $\varnothing 18$ mm / $\varnothing 20$ mm PASSO: 2 mm
 SCREW: $\varnothing 18$ mm / $\varnothing 20$ mm PITCH: 2 mm
 Motore idraulico tipo **OMM 32**
 Hydraulic motor type **OMM 32**



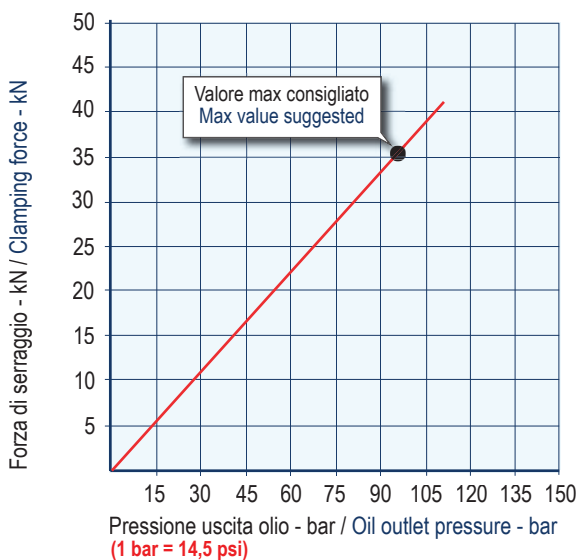
MORSE FMS TIPO 2
FMS VISES TYPE 2

VITE: $\varnothing 18$ mm / $\varnothing 24$ mm PASSO: 2 mm
 SCREW: $\varnothing 18$ mm / $\varnothing 24$ mm PITCH: 2 mm
 Motore idraulico tipo **OMP 80**
 Hydraulic motor type **OMP 80**



MORSE FMS TIPO 3-4
FMS VISES TYPE 3-4

VITE: $\varnothing 24$ mm / $\varnothing 30$ mm PASSO: 2 mm
 SCREW: $\varnothing 18$ mm / $\varnothing 20$ mm PITCH: 2 mm
 Motore idraulico tipo **OMR 200**
 Hydraulic motor type **OMR 200**



MORSE FMS TIPO 5-6
FMS VISES TYPE 5-6

VITE: $\varnothing 30$ mm / $\varnothing 36$ mm PASSO: 2 mm
 SCREW: $\varnothing 18$ mm / $\varnothing 24$ mm PITCH: 2 mm
 Motore idraulico tipo **OMR 200**
 Hydraulic motor type **OMR 200**

