

Power regulators

Allows simultaneous clamping of several workpieces of different sizes or shapes in the same vice.

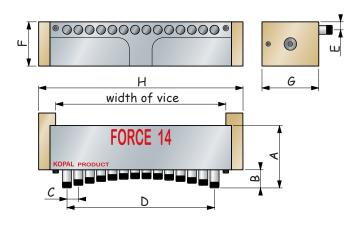
FORCE can be adapted in seconds to any type of vice (from 100 to 200 mm) and is the ideal accessory for all types of mechanical, pneumatic or hydraulic vices.

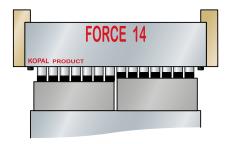


Adapts to all vice types Multiple clamping Curved or cast workpieces Cylindrical workpieces

Force	Vice width	Number of pistons	A	В	С	D	E	F	G	н	Ref.
F 12 with tips F 12	100 to 135	12 x Ø 8	41 - 49 46 - 54	3 - 11 8 - 16	10	110	7	39	49	156	27-313 27-312
F 14 with tips F 14	125 to 160	14 × Ø 8	41 - 49 46 - 54	3 - 11 8 - 16	10	130	7	39	49	181	27-315 27-314
F 18 with tips F 18	175 to 200	12 x Ø 12	52 - 62 57 - 67	3 - 13 8 - 18	16	176	10	49.5	61.5	230	27-319 27-318

The long stroke and multiple points of contact of the pistons ensure powerful and effective clamping.



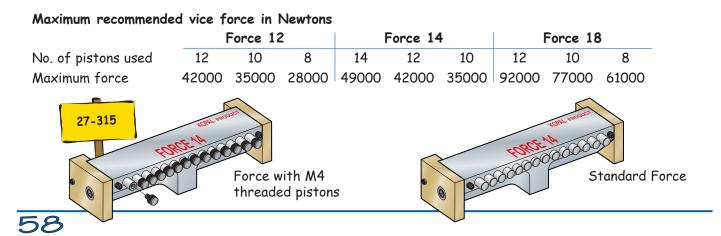


Piston stroke

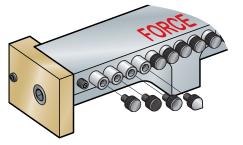
Force 12 : **8 mm** Force 14 : **8 mm** Force 18 : **10 mm**

Principle

The clamping pistons are linked together via a closed hydraulic circuit. The degree to which each piston is retracted doesn't matter - the clamping force exerted by each of the pistons is identical.







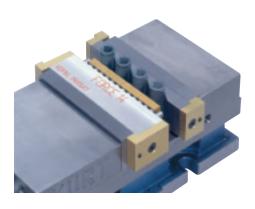
Interchangeable tips

The tapped pistons allow you to fit the appropriate tips for different workpiece shapes.

Flat tips for finished workpieces Grooved tips for raw workpieces Ball-ended tips For curved workpieces Pointed tips

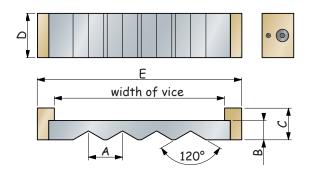
for Force with tapped pistons

Set of tips for :	Force 12 Ø 8 x 12 tips Ref.	Force 14 Ø 8 × 14 tips Ref.	Force 18 Ø 12 x 12 tips Ref.		
Flat tips	27-411	27-421	27-431		
Grooved tips	27-414	27-424	27-434		
Ball-ended tips	27-412	27-422	27-432		
Pointed tips	27-413	27-423	27-433		

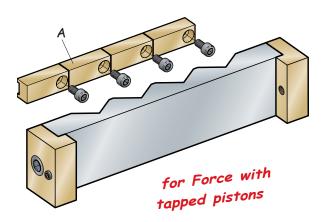


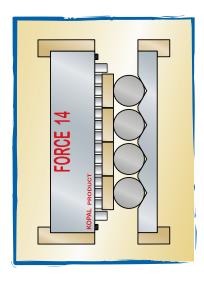
Fixed jaws with V-guides

For vertical clamping of cylindrical workpieces. Fixed jaws with mounting flanges and blocks (A) linking the pistons.



Fixed jaws			1	Number						
for vices of	width		h	of Vs	Α	В	С	D	Е	Ref.
for Force 12	100	to	135	12 6 4	10 20 30	17	30	40	156	27-351 27-352 27-353
for Force 14	125	to	160	14 7 4	10 20 30	17	30	40	181	27-361 27-362 27-363
for Force 18	175	to	200	12 6 4	16 32 48	20	30	50	230	27-371 27-372 27-373





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