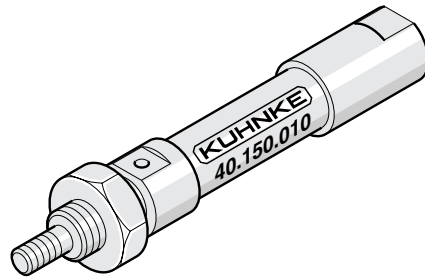


Cylinders

Brass Cylinders Technical Data



Technical Data:

Pressure range:

Piston dia. mm	Operating pressure (bar)	
	sa	da
3	3 - 10	-
5	2.5 - 10	2 - 10
8	2 - 10	1.5 - 10
12	1.5 - 10	1 - 10
16	1.5 - 10	1 - 10
20	1.5 - 10	0.5 - 10
25	1.5 - 10	0.5 - 10

Ambient tem-

perature range: - 10 °C...+ 70 °C*

Materials:

cylinder tube: brass

piston rod:

CrNi-steel, corrosion-resistant

cushioning: plastic, impact-resistant

Seals:

Perbunan, oil-resistant

Lubricant:

Shell Tellus Oil C10 or equivalent

Operating

medium:

compressed air, prepared*

Stroke limitation:

if possible external (for optimum life)

Stroke tolerance:

max. + 1.5 mm

Spring force:

designed for return of piston, not for any coupled mass.

Area ratio of piston with double acting cylinders (due to reduction of piston rod sections)

Cylinders 8 mm 5:4

Cylinders 5, 12 mm 6:5

Cylinders 16, 20, 25 mm 7:6

Mounting:

version "S":

threaded mounting on cylinder cover at piston rod end.

version "U":

universal mounting (threaded attachment on both cylinder covers, trunnion mounting)

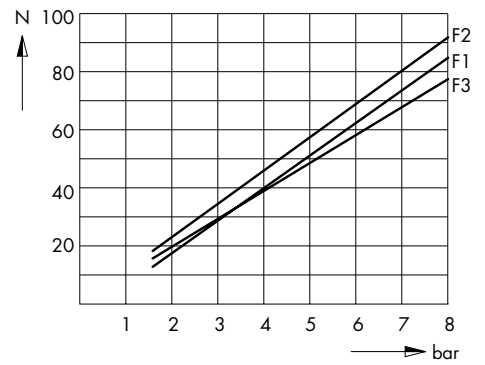
Please enquire about special cylinders to your own requirements and cylinders with double-sided piston rod as well as intermediate and extra long dimensions.

Cylinders

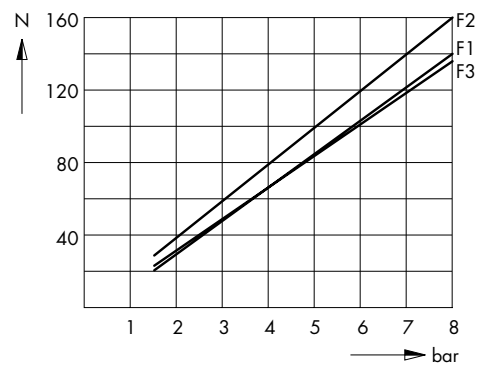
Brass Cylinders Technical Data

Static Cylinder Characteristics* Piston Diameter

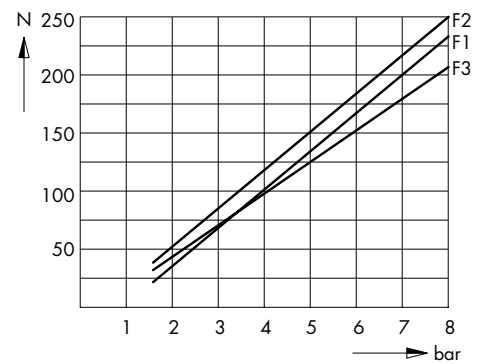
Ø 12 mm



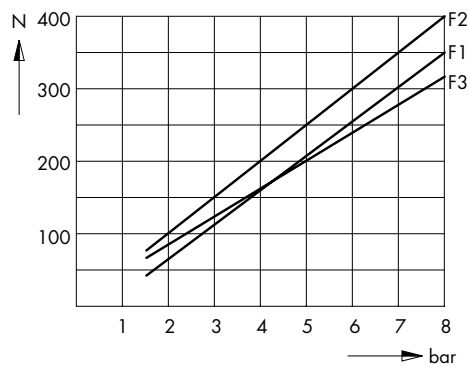
Ø 16 mm



Ø 20 mm



Ø 25 mm



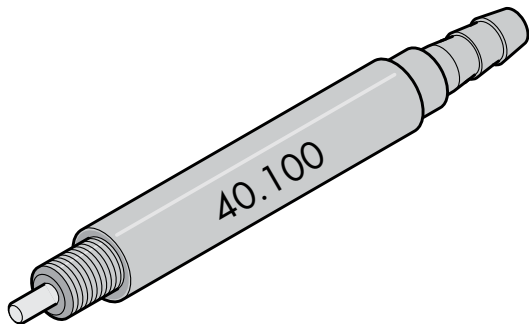
* The cylinder characteristics are to be multiplied by a factor of 0.5 - 0.7 for the dynamic behaviour.

F1 = single acting cylinders
 F2 = double acting cylinders in forward stroke
 F3 = double acting cylinders in return stroke

Cylinders

Brass Cylinders Technical Data

Single Acting
Diameter 3 mm

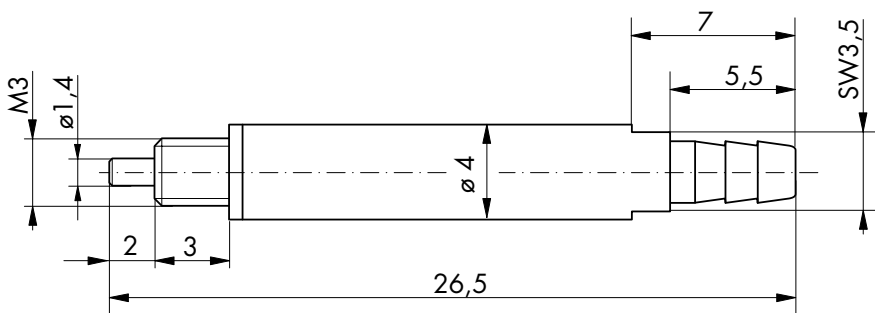


The miniature cylinder with a piston diameter of 3mm is for general-purpose use in testing and other operations in very restricted spaces. Even with its small dimensions the cylinder offers the technical features of the proven series of larger miniature cylinders

Technical Data:

Stroke: 6 mm
Mounting: M3 threaded mounting at piston rod end

Pneumatic connection: male fitting for 4 x 1* tubing



Order No.	40.100
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