

Round cylinder »MI« double-acting, Piston Ø 20, Stroke 15, G 1/8 - Riegler 114836

Item no. RGL-114836

Manufacturer Riegler

EAN 4047322314282

Round cylinder »MI« double-acting, Piston Ø 20, Stroke 15, G 1/8

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Bohrung (mm)	20.000000
Country of Manufacture	China
Function	doppeltwirkend
Hub [mm]	15.000000
Norm	ISO 6432
Pneumatischer Anschluss	G1/8
Seal material	NBR
Serie	Serie MI
Weight	0.16 kg
Zolltarifnummer	84123100



STANDARDS & COMPLIANCE

ISO 6432

DESCRIPTION

Round cylinder »MI« ISO 6432, double-acting, Piston Ø 20, Stroke 15, G 1/8, Working pressure 1 - 10 bar, Temp. -20 °C to 70 °C These round cylinders are available in the following versions: - »MI« Series, double-acting, Ø 8 to 25 acc. to ISO 6432 - »MI« Series, double-acting, Ø 32 to 40 - »MSI« Series, single-acting, pressureless in the retracted position, Ø 32 to 40 Suitable for filtered, unlubricated or lubricated compressed air. If lubrication is used, it must be continuous. »CA« type = bottom cover with male thread - hinge model»CM« type = bottom cover with male thread, round - hinge model

TECHNICAL DATA

Min. working pressure	1 bar
Max. working pressure	10 bar
Min. temperature range	-20 °C
Max. temperature range	70 °C
Sealant	NBR
Magnet	with magnet

A1-ESD equipment

Keldersstr. 15
42697 Solingen, Deutschland
VAT ID: DE269659389

Phone: +49 212 38340680
shop@esd-equipment.com
fluidics-equipment.com

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Function	double-acting
Series	MI series
Type	CA type
Cushioning	non-cushioned
Piston rod thread	male piston rod
Tube	Stainless steel 1.4301
Piston Ø	20 mm
Stroke	15 mm
Connection	G 1/8
Piston rod	Stainless steel 1.4301
Piston rod ET	M8x1.25
Piston rod-Ø	8 mm
Piston	aluminium

STANDARDS AND ORIGIN

- Standard: acc. to ISO 6432
- Customs tariff number: 84123100
- Country of origin: CN

ABOUT ROUND CYLINDERS

Round cylinders produce linear motion where installation space is tight and profile mounting is not needed. The group covers piston diameters from 8 to 40 mm and strokes from 10 to 600 mm. Working pressure tops out at 10 bar.

WHAT MATTERS WHEN CHOOSING

- Piston diameter: From 8 to 40 mm. Together with the applied pressure it defines the force, so it comes first in sizing, ahead of the stroke.
- Stroke: 10 to 600 mm. Long strokes on a small piston load the rod in buckling, and a separate guide next to the cylinder pays off in that case.
- Function: Double-acting or single-acting. Single-acting versions need only one line and return by spring, double-acting versions deliver force in both directions.
- Working pressure: The lower limit is 1 to 2 bar depending on version, the upper limit 10 bar. Part of the range also states a set pressure of 0.6 to 0.8 bar, which matters for slow feed movements.
- Connection: M5, M5x0.8, G 1/8 and G 1/4 are available. The port has to suit the tube cross section, otherwise it limits the speed that can be reached.

TYPICAL APPLICATIONS

- Clamping and holding fixtures at assembly stations.
- Diverters and reject gates in conveying equipment.
- Feed movements on test and measuring fixtures.
- Opening and closing flaps and slide gates on machines.

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- Handling axes with little space and moderate force demand.

A large part of the 356 items is built to ISO 6432, which makes replacement by cylinders from other suppliers straightforward. NBR is listed as sealing material, and production takes place in China and Italy.