

Standard cylinder, double-acting, Piston Ø 63, Stroke 300, G 3/8 - Riegler 170639

Item no. RGL-170639

Manufacturer Riegler

EAN 4047322653619

Standard cylinder, double-acting, Piston Ø 63, Stroke 300, G 3/8

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Bore (mm)	63.000000
Country of Manufacture	China
Function	double-acting
Norm	ISO 15552
Piston Ø [mm]	63
Pneumatic connection	G3/8
Seal material	NBR, TPU
Series	Serie SAI
Stroke [mm]	300
Weight	3.286 kg
Working pressure max. [bar]	10
Zolltarifnummer	84123100



STANDARDS & COMPLIANCE

ISO 15552

DESCRIPTION

Standard cylinder SAI, ISO 15552, double-acting, Piston Ø 63, Stroke 300, G 3/8, Working pressure 1.5-10 bar, Temp. -20°C to 70°C These cylinders are ideal for a wide range of applications owing to their robust design and excellent value for money. The standard type has a double-acting cylinder and features a magnetic piston as well as integrated cushioning. The magnetic switches are mounted in T-slots on two sides of the body. Suitable for filtered, unlubricated or lubricated compressed air. If lubrication is used, it must be continuous.

TECHNICAL DATA

Min. working pressure	1.5 bar
Max. working pressure	10 bar
Min. temperature range	-20 °C
Max. temperature range	70 °C
Sealant	NBR, TPU
Magnet	with magnet

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Function	double-acting
Series	SAI series
Cushioning	cushioned
Piston rod thread	male piston rod
Tube	Aluminium jacket with integrated T-slots
Piston gasket	TPU (thermoplastic polyurethane)
Piston rod gasket	TPU (thermoplastic polyurethane)
Piston Ø	63 mm
Stroke	300 mm
Connection	G 3/8
Piston rod	Steel, thick-chromed
Piston rod ET	M16x1.5
Piston rod-Ø	20 mm
Piston	aluminium

STANDARDS AND ORIGIN

- Standard: acc. to ISO 15552
- Customs tariff number: 84123100
- Country of origin: CN

ABOUT STANDARD CYLINDERS

ISO 15552 standard cylinders are the default linear actuator in machine building. Because mounting dimensions, brackets and accessories are standardised, a cylinder can be replaced without reworking the mount. The group covers piston diameters of 32 to 125 mm with strokes from 25 to 1000 mm, all double-acting and rated to 10 bar.

WHAT MATTERS WHEN CHOOSING

- Select the piston diameter from 32 to 125 mm according to the force needed. Air consumption per cycle rises with the diameter.
- Strokes range from 25 to 1000 mm. With long strokes and heavy masses, buckling and an external guide belong in the calculation, since the cylinder should not guide the load.
- Port size follows the frame size with G 1/8, G 1/4, G 3/8 and G 1/2 and also limits the achievable speed.
- Mind the minimum pressures. A set pressure of 0.2 to 0.4 bar and a working pressure from 1 to 1.5 bar, depending on version, decide whether the cylinder still starts reliably at reduced line pressure.
- Documented seal materials are NBR and an NBR with TPU combination. The medium is filtered compressed air with or without lubrication, and units run lubricated have to be lubricated continuously.

TYPICAL APPLICATIONS

- Feed and positioning axes in special-purpose machinery
- Handling, lifting and swivelling in production cells
- Opening and closing flaps, gates and slide valves
- Joining and pressing operations with defined force
- Diverters and transfer units on conveyor systems

All 234 items are built to ISO 15552, so mounting kits and accessories for standardised cylinders will fit. The SAI and SE series are manufactured in Italy and China.