

Compact cylinder, double-acting, Piston Ø100, Stroke 15, G 1/8 - Riegler 106037

Item no. RGL-106037

Manufacturer Riegler

EAN 4047322284196

Compact cylinder, double-acting, Piston Ø100, Stroke 15, G 1/8

TECHNICAL DATA

Betriebsdruck max [bar]	10.000000
Bore (mm)	100.000000
Country of Manufacture	Italy
Function	double-acting
Norm	ISO 21287
Piston Ø [mm]	100
Pneumatic connection	G1/8
Series	Serie LINER
Set pressure [bar]	0,4
Stroke [mm]	15
Weight	2.05 kg
Working pressure max. [bar]	10
Zolltarifnummer	84123100



STANDARDS & COMPLIANCE

ISO 21287

DESCRIPTION

Compact cylinder LINER, ISO 21287, double-acting, Piston Ø100, Stroke 15, G 1/8, Working pressure max. 10 bar, Temp. -10°C to 80°C New series acc. to ISO 21287 characterised by a very short and compact design. The standard type features a magnetic piston. Piston rod optionally with male or female thread. Suitable for filtered, unlubricated or lubricated compressed air. If lubrication is used, it must be continuous.

TECHNICAL DATA

Max. working pressure	10 bar
Min. set pressure	0.4 bar
Min. temperature range	-10 °C
Max. temperature range	80 °C
Magnet	with magnet
Function	double-acting
Series	LINER series

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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Piston rod thread	female piston rod
Tube	anodised aluminium jacket with T-slots
Piston gasket	PU
Piston rod gasket	PU
Piston Ø	100 mm
Stroke	15 mm
Connection	G 1/8
Piston rod	C45 steel, hard chrome-plated
Piston rod IT	M12
Static O-rings	NBR
Piston	aluminium

STANDARDS AND ORIGIN

- Standard: acc. to ISO 21287
- Customs tariff number: 84123100
- Country of origin: IT

ABOUT COMPACT CYLINDERS

Compact cylinders deliver linear motion in a very short envelope because the end caps are integrated into the body. The range spans piston diameters from 12 to 125 mm with strokes from 5 to 300 mm and works at up to 10 bar. It replaces longer standard cylinders wherever installed length is the real constraint.

WHAT MATTERS WHEN CHOOSING

- Piston diameter from 12 to 125 mm: together with the maximum working pressure of 10 bar it sets the available force. Start from the force you need, not from the space you have.
- Stroke from 5 to 300 mm: size it to the actual travel, since stroke feeds directly into overall length.
- Function, double-acting or single-acting: single-acting versions need only one control line and return to a defined position on pressure loss, double-acting versions produce force in both directions.
- Port M5, M5x0.8, G 1/8 or G 1/4: it has to match piston diameter, the required cycle time and the fittings already in use.
- Series ACE, ACP, ASE, ATE or LINER: the lines differ in design detail and accessories while sharing the same basic function.

TYPICAL APPLICATIONS

- Clamping and locating fixtures in tooling
- Diverters, stoppers and reject stations on conveyors
- Feed and separation strokes in assembly and pick-and-place modules
- Operating flaps and slides on machine guarding
- Short-stroke positioning in tightly packed handling units

836 of the 848 items are built to ISO 21287, so mounting and port dimensions are standardised.
Seals are NBR, countries of origin are IT and CN.