

ISO 15552 cylinder, through rod, Ø 125 mm, 500 mm stroke - Airtec XLK 125/500

Item no. FL-XLK-125/500

Manufacturer Airtec

EAN 4050571801793

ISO 15552 cylinder from Airtec with through piston rod, 125 mm bore and 500 mm stroke. Double-acting with magnetic piston and adjustable cushioning, operating pressure up to 10 bar. Standard ISO 15552 dimensions for direct replacement.

TECHNICAL DATA

Certification	ATEX
Norm	ISO 15552, VDMA 24562, ISO 6431
Weight	20 kg
Zolltarifnummer	84123100



STANDARDS & COMPLIANCE

ISO 15552 ISO 6431

DESCRIPTION

The Airtec XLK 125/500 is a double-acting pneumatic cylinder to ISO 15552 with a 125 mm bore and 500 mm stroke. The through rod transmits force at both cylinder ends and allows motion and position to be picked up on either side. The built-in magnetic piston supports contactless end-position sensing, and the adjustable end-position cushioning decelerates the load at the end of travel.

BENEFITS

- Through rod for force and signal pick-up on both cylinder ends.
- Magnetic piston for contactless position sensing with switch types D and A.
- Adjustable pneumatic cushioning protects the mechanics over 500 mm of travel.
- Standardised ISO 15552 mounting dimensions for cross-brand replacement.
- Operating pressure up to 10 bar, temperature range -20 to +80 degrees Celsius.

TECHNICAL DATA

Standard	ISO 15552
Type	double-acting, through piston rod

Bore	125 mm
Stroke	500 mm
End caps	die-cast aluminium, stove-enamelled
Cylinder barrel	anodised aluminium profile tube
Piston rod	hard chrome plated steel
Piston	complete piston (ST / NBR)
Seals	NBR / PUR
Medium	filtered compressed air
Operating pressure	max. 10 bar
Temperature range	-20 deg C to +80 deg C
Version	with magnetic piston and adjustable end-position cushioning
Sensor type	D, A
A (rod thread)	M 27x2
R (air port)	G 1/2"
B	32 mm
C	60 mm
D	46,0 mm
F	54 mm
G	65 mm
H	225 mm
K	6 mm
M	137,5 mm
N	110,0 mm
CH	27 mm
RT	M 12
Repair kit	XL 125 REP
Weight	20 kg
Options	FKM seals -V, stainless steel piston rod -EK, ATEX approval Ex II 2GD c T5 T100 deg -X

APPLICATIONS

Used in handling and assembly automation, in jig, fixture and special-purpose machinery as well as in conveying and clamping applications where a standard ISO 15552 form with two-sided force pick-up and position sensing is required.

Mounting dimensions and ports conform to ISO 15552 (formerly ISO 6431 / VDMA 24562), and cylinder sensors mount to standard. An ATEX version Ex II 2GD c T5 is available on request.

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