

ISO 6432 Round Cylinder, Double-Acting, Bore 16 mm, Stroke 320 mm - Airtec ZDMO 16/320

Item no. FL-ZDMO-16/320

Manufacturer Airtec

EAN 4050571813246

Double-acting round cylinder to ISO 6432 with 16 mm bore and 320 mm stroke. Stainless steel barrel (1.4301) and piston rod (1.4305), fitted as standard with a magnetic piston for contactless end-position sensing. Operating pressure up to 10 bar, temperature range -20 °C to +80 °C.

TECHNICAL DATA

Certification	ATEX
Norm	ISO 6432
Weight	0.24 kg
Zolltarifnummer	84123100



STANDARDS & COMPLIANCE

ISO 6432

DESCRIPTION

The Airtec ZDMO 16/320 is a double-acting pneumatic cylinder to ISO 6432 with a 16 mm bore and 320 mm stroke. Barrel and piston rod are made of stainless steel, so the cylinder can also be used in damp or corrosive environments.

BENEFITS

- Stainless steel barrel (1.4301) and piston rod (1.4305) provide high corrosion resistance.
- Standard magnetic piston enables contactless end-position sensing with reed or solid-state sensors (type D with mounting D1, type C with mounting C1).
- Anti-rotation piston rod with hexagon keeps the rod aligned under load.
- Operating pressure up to 10 bar and a temperature range of -20 °C to +80 °C cover common industrial duties.
- Optionally available with FKM seals up to +150 °C (without magnetic piston, suffix -V) or in ATEX version (suffix -X).

TECHNICAL DATA

Head and foot	anodised aluminium
Barrel	stainless steel 1.4301

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Piston rod	stainless steel 1.4305
Seals	NBR / PUR
Function	double-acting
Version	with magnetic piston
Piston rod	anti-rotation (hexagon)
Operating pressure	max. 10 bar
Temperature range	-20 °C to +80 °C
Sensor type	D with mounting D1, C with mounting C1
Options	FKM seals up to +150 °C without magnetic piston (-V), ATEX Ex II 2GD c T5 T100°, -20 °C ≤ Ta ≤ 80 °C (-X)
Bore Ø	16 mm
Stroke	320 mm
A (piston rod thread)	M 6
B (mounting thread)	M 16x1,5
R (air connection)	M 5
A1	6 mm
C	19 mm
D	12 mm
E	6 mm
F	16 mm
G	82 mm
K	22 mm
L	18 mm
M	109 mm
N	9 mm
P	53 mm
CH	5 mm
Weight	0.24 kg

APPLICATIONS

Suited to handling and assembly technology, fixture and clamping tasks and general machine building, wherever a compact round cylinder with position sensing is required.

Compliant with ISO 6432.