

SERIES R - PNEUMATIC ROTARY ACTUATORS



Reference Standard

ATEX
2014/34/UE



Pressures

1,5 bar (0.15 MPa)
10 bar (1 MPa)



Temperature

-20 °C
+ 80 °C

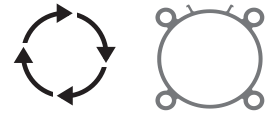


Sensors recommended

DF - DT

CHARACTERISTICS

Fluid	filtered air, with or without lubrication
End-caps	aluminium
Barrel	aluminium
Piston	die-cast aluminium
Guide slide	acetalic resin
Rack and pinion	Steel
Piston seal	NBR
Pinion	Nitrided steel
Shock absorber seals	NBR
Cushionings	adjustable on both sides (standard)



Series	Type	Bore (mm)	Angle of rotation	Magnet
R	1 1	0 3 2	1 8 0	☐

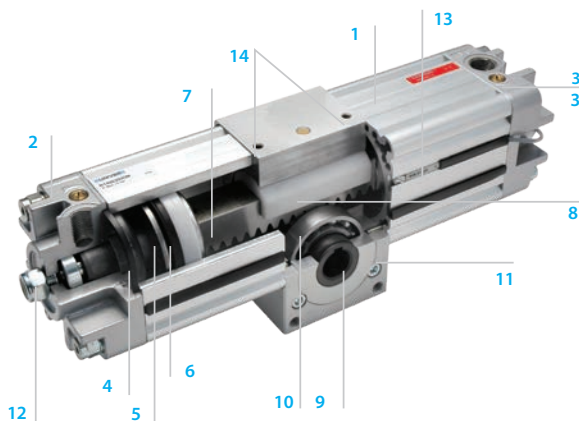
R Pneumatic rotary Cylinders Ø
32÷125 mm

- 11** Male pinion without adjustment (degree of accuracy $\pm 3^\circ$)
- 12** Male pinion with adjustment $\pm 5^\circ$
- 13** Female pinion without adjustment (degree of accuracy $\pm 3^\circ$)
- 14** Female pinion with adjustment $\pm 5^\circ$

032 = Ø32
040 = Ø40
050 = Ø50
063 = Ø63
080 = Ø80
100 = Ø100
125 = Ø125

090 = 90°
180 = 180°
270 = 270°
360 = 360°

M = Magnetic version



- 1** Cylinder barrel: extruded profile in aluminium
- 2** Die-cast end-caps in aluminium
- 3** Adjustable on both sides cushionings
- 4** Shock absorber seals
- 5** Die-cast piston in aluminium alloy and acetalic resin guide slide
- 6** Piston seals in nitrile rubber compound
- 7** Standards-based steel square rack

- 8** Guide slide for rack with self-adjusting backlash recovery
- 9** Nitrided steel pinion
- 10** Ball bearings for pinion support
- 11** Anodized aluminium central body
- 12** Adjustment screws: angle of rotation $\pm 2,5^\circ$
- 13** DF series magnetic sensor
- 14** Screws for backlash recovery

FIXING ELEMENTS AND ACCESSORIES

Ø	DHF COVERING STRIP		CABLE CLAMPING FOR DF SENSOR	
	Aignep	Univer	Aignep	Univer
32 - 40 - 50 - 63 - 80 - 100 - 125	-	DHF-0020100	-	DF-001