**OEM Automatic Ltd**
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

# AVENTICS PRA SERIES PROFILE CYLINDER

PRA-0822122009
PRA Cylinder, 50mm, M16x1.5, G1/4", Stroke 320

- Ø32 – 125mm
- Connection: G1/8", G1/4", G3/8" or G1/2"
- Double acting with magnetic piston
- ISO 15552



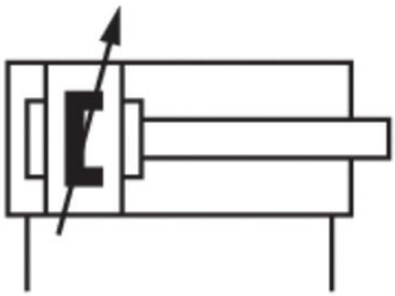
### PRODUCT DESCRIPTION

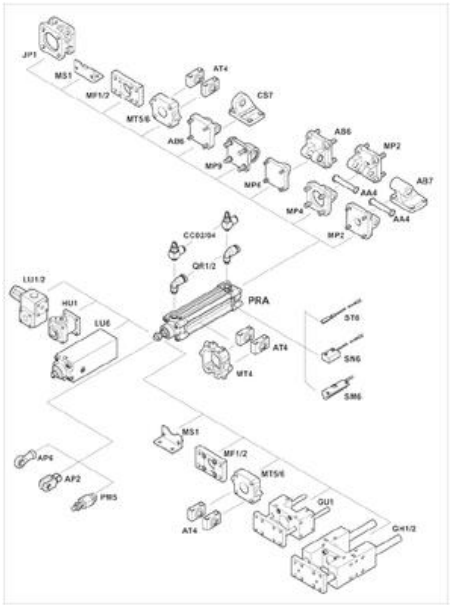
Double-acting cylinder that complies with ISO standard 15552.
This replaces previous ISO and VDMA standards and determines the installation dimensions.
This means that all makes of these cylinders are completely interchangeable, if they have the same piston diameter and stroke.
The cylinders have magnetic pistons and adjustable end position damping as standard.
The unmistakable adjusting screws for the damping are fine-threaded for precise adjustment.
There are T-slots for cylinder sensors on the sides of the cylinder tube for maximum flexibility in placement.
As an option, the PRA series is available with a "forest nose", which is a detachable piston rod seal at the front end.
Aventics Double Acting Cushioned Profile Cylinder with Magnetic Piston. PRA Seies. 32mm - 125mm Bore available with 25 Stroke to 500 Stroke.
The PRA series, with a weight-optimised profile tube, represent a consistent further development of Aventics' proven ISO cylinders with tie rods. Due to their 6 mm T-grooves and 4 mm C-grooves, a large number of sensors can be mounted easily, quickly and compactly.

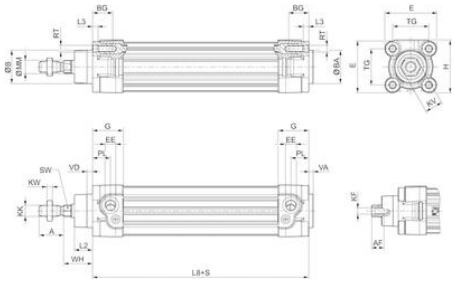
# TECHNICAL DATA

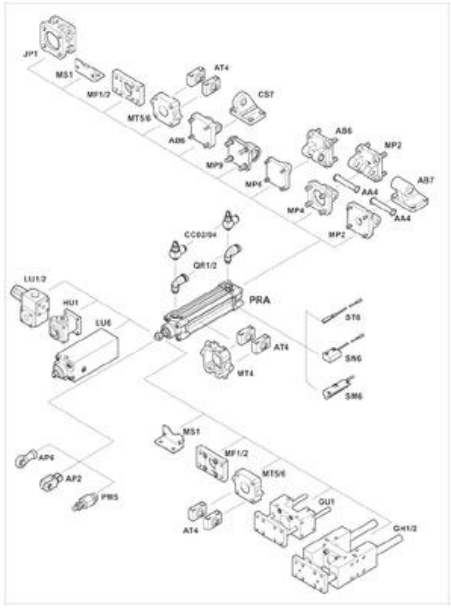
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|---|---|
| **Connection air** | 1/4 BSP |
| **Cushioning energy** | 15 J |
| **Cushioning length** | 17 mm |
| **Extracting piston force** | 1235 N |
| **Function** | double acting, Magnetic piston |
| **Material cylinder** | Anodised aluminum |
| **Material flask** | Stainless steel |
| **Material of seals** | Polyurethane-based |
| **Material piston rod** | Stainless steel |
| **Material piston rod nut** | Galvanized steel |
| **Material piston rod seal** | Polyurethane-based |

| | |
|---|---|
| **Material piston seal** | Polyurethane-based |
| **Material provided** | Die cast aluminium |
| **Media** | Air pressure |
| **Mounting** | None |
| **Oil content max** | 5 mg/m³ |
| **Operating pressure max** | 10 bar |
| **Operating pressure min** | 15 bar |
| **Particle size max** | 50 µm |
| **Piston diameter** | 50 mm |
| **Piston rod thread** | M16x1.5 |
| **Retracting piston force** | 1035 N |
| **Standards** | ISO 15552 |
| **Stroke** | 320 mm |
| **Temperature operational max** | 80 °C |
| **Temperature operational min** | -20 °C |
| **Weight** | 106 kg |






JP1
MS1
MF1/2
AT4
MT5/6
CS7
AB6
MP9
MP4
AS6
MP2
AA4
AB7
MP4
MP2
AA4
CC02/04
QR1/2
LU1/2
HU1
LU6
PRA
ST6
AT4
SN6
MT4
SM6
MS1
AP4
AP2
PB5
MF1/2
MT5/6
AT4
GU1
GH1/2