



# AVENTICS PRA SERIES PROFILE CYLINDER

PRA-0822122010  
PRA Cylinder, 50mm, M16x1.5, G1/4", Stroke 400

- 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.

## Specifications

|                         |                                |
|-------------------------|--------------------------------|
| Connection Air          | 1/4 BSP                        |
| Cushioning energy       | 15                             |
| Cushioning length       | 17                             |
| Extracting piston force | 1235                           |
| Function                | double acting, Magnetic piston |
| Material Bolt           | Stainless steel                |
| Material Cylinder       | Anodised aluminum              |
| Material of seals       | Polyurethane-based             |
| Material Rod            | Stainless steel                |
| Material Rod Nut        | Galvanized steel               |

|                                  |                    |
|----------------------------------|--------------------|
| <b>Materials Headboards</b>      | Die cast aluminium |
| <b>Materials Piston Rod Seal</b> | Polyurethane-based |
| <b>Materials Piston Seal</b>     | Polyurethane-based |
| <b>Media</b>                     | Air pressure       |
| <b>Mounting</b>                  | None               |
| <b>Oil content max</b>           | 5                  |
| <b>Particle size max</b>         | 50                 |
| <b>Piston Diameter</b>           | 50                 |
| <b>Piston rod thread</b>         | M16x1.5            |
| <b>Retracting piston force</b>   | 1035               |
| <b>Standards</b>                 | ISO 15552          |
| <b>Stroke</b>                    | 400                |
| <b>Temperature range from</b>    | -20                |
| <b>Temperature range to</b>      | 80                 |
| <b>Weight</b>                    | 1.06               |
| <b>Working Pressure Max</b>      | 10                 |
| <b>Working Pressure Min</b>      | 1.5                |



