

# Interchange pneumatic piston rod cylinders

Metric and inch versions

**FESTO**



**Standardized dimensions**



**Cross manufacturer compatibility**



**Fast availability**



**Easier maintenance**

## Highlights

- Standardized mounting interface and overall dimensions
- Compatibility across brands and manufacturers
- Reduced down-time due to robust international availability
- Simplifies exchange and machine maintenance
- Available in a wide range of bore sizes and stroke lengths

At Festo, the range of pneumatic actuators includes piston rod cylinders. In the range, we offer many standards-based cylinders with standardized dimensions and mounting interfaces. Regarding these dimensions, standards-based cylinders of the same standard are identical.

### ISO Global Standards

There are standards for piston rod cylinders in round design (ISO 6432), in compact design (ISO 21287) and for profile and tie rod cylinders (ISO 15552).

### Direct Interchange

Fits directly into existing designs, the simple replacement makes it the ideal choice for maintenance, repair and overhaul (MRO).

### NFPA North American Standards

For square-head pneumatic cylinders with inch dimensions, the NFPA standard T3.6.x. defines uniform mounting dimensions, as well as the mounting components.

### Standardized attachments and accessories

Many different types of peripheral components to support mounting and piston rod connection are available for direct interchange.

# Interchange pneumatic piston rod cylinders

## DSNU/ ESNU Round Cylinders - Metric



- Complies with ISO 6432 interchange standard
- Wide range of variants for customized applications
- Good running performance and long service life
- Self-adjusting pneumatic end-position cushioning saves time during commissioning and adapts optimally to load and speed changes
- Piston rod with female or male thread
- For position sensing

## ADN/ AEN Compact Cylinders - Metric



- Complies with ISO 21287 interchange standard
- Up to 50% less installation space than comparable standard based cylinders to ISO 15552
- Good running performance and long service life
- Wide range of variants for customized applications
- For position sensing

## DSBC Profile Cylinders - Metric



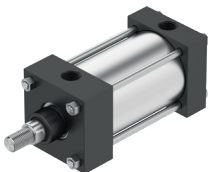
- Complies with ISO 15552 interchange standard
- Self-adjusting pneumatic end-position cushioning saves time during commissioning and adapts optimally to load and speed changes
- Standard profile for position sensing with two sensor slots
- Wide range of variants for customized applications
- Comprehensive range of mounting accessories for just about every type of installation

## DSNA Tie Rod Cylinders - Inch



- Complies with NFPA standard and allows easy replacement in existing machines, ideal for MRO
- 303 stainless steel piston rod and tie-rods combined with anodized Al barrel and end caps give great durability and corrosion protection
- FPM sealing option for additional chemical resistance and tough high temperature applications
- Numerous NFPA mounting options offer maximum flexibility

## DSNB Tie Rod Cylinders - Inch



- Complies with NFPA standard and allows easy replacement
- Extensive range of options provides flexibility to meet your specific requirements
- Extra long rod bearing made of a non-metallic composite material withstands heavy loads
- Easy replacement of the bearing cartridge without dismantling the cylinder
- Choice of end-position cushioning (elastomer, fixed pneumatic, adjustable pneumatic)

## DPRA Round Cylinder - Inch



- Direct exchange with common round inch cylinders
- Wide range of options for maximum flexibility
- Stainless steel air cylinder made of AISI 304, guarantees longevity and a long service life with constant running characteristics
- Fits directly into existing designs, the simple replacement makes it the ideal choice for MRO

## DPCB Compact Cylinder - Inch



- Direct exchange with common compact inch cylinders
- Stainless steel tie rods surrounded by aluminum alloy spacers ensure stability and rigidity
- Self-lubricating cylinder barrel made from composite material ensures a longer lifetime of seal
- Dimensions enable direct integration into existing designs, ideal for MRO



Need help choosing the right cylinder? [Contact a product specialist](#) to understand the broad selection of cylinders Festo has to offer.

