

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



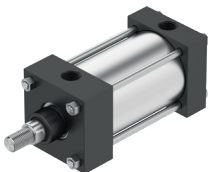
- Complies with ISO 15552 interchange standard
- Self-adjusting pneumatic end-position cushioning saves time during commissioning and adapts optimally to load and speed changes
- Standard profile for position sensing with two sensor slots
- Wide range of variants for customized applications
- Comprehensive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

