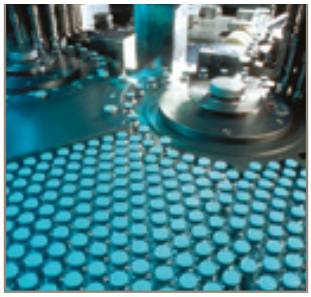
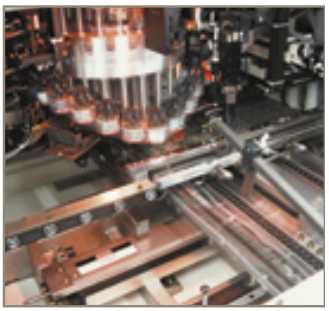


Global ISO Offering

Industrial Pneumatic Linear Rod Actuators



Parker

ENGINEERING YOUR SUCCESS.

Parker Hannifin - Worldwide

The global leader in motion & control technologies

200
MANUFACTURING FACILITIES

150
OFFICES

15,000
DISTRIBUTORS

54
COUNTRIES

500,000
CUSTOMERS

Parker Hannifin is one of the worlds leading suppliers of products and solutions in Motion and Control. Using innovative product development and an acquisition strategy to increase our range of pneumatic products and solutions, we now have one of the broadest product offerings available in the market.

Our range now extends from the power to the point at which air is used. This could be supplying power take off on a vehicle, moving a cylinder or gripper to milking cows. The design and manufacture of bespoke integrated solutions for air, gas and fluid control is one of four core specifications.

What is ISO (International Organisation for Standardisation)
ISO originated from the union of two Organisations – the ISO (International Federation of the National Standardising Associations) and the UNSCC (United Nations Standard Coordinating Committee).
In 1946 over 25 countries met at the Institute of Civil Engineers in London to create a new international Organisation, where the objective was to 'facilitate the international coordination and unification of industrial standards' from this the new Organisation ISO began operations in February 1947. The word ISO is derived from the Greek ISOS meaning 'equal'.
As the International Organisation for Standardization would translate differently across different languages it was decided that the short form name for the Organisation would be ISO.
Today the ISO has grown to a confederation of delegates representing over 150 countries and has published over 16,500 international standards. They meet on a regular basis to further develop new and existing management standards.

Benefits of Certification
Each standard supports its own benefits within every industry, however the common benefits across the certifications include: widened market potential, compliance to procurement tenders, improved efficiency and cost savings, higher level of customer service, and therefore satisfaction, and heightened staff moral and motivation.
By having a recognised management standard it tells your customers that you are serious about their needs.

ISO 6432 P1A/P1S Series

P1A / P1S Series Round Cylinders

The P1A / P1S Series are a complete range of ISO 6432 round cylinders developed to meet the highest requirements for value, quality and performance. The careful design in every detail provides first class function and service life properties. Suitable for a wide range of limited stroke lengths applications.

Benefits

Reliability and long service life are key qualities of any pneumatic cylinder. Therefore we have given P1A / P1S highest possible quality in every detail based on our 40 years of experience and extensive testing. Long service life with proven expertise for leading and proven tribology solutions and seal technology within Parker Pradifa.
The compact dimension makes it possible to use the P1A / P1S cylinders in a broad range of applications. This is highly valuable in narrow spaces in machines or production lines.

Installation dimensions

Complies with the ISO 6432 for cylinder dimensions and for the mountings (from bore 32mm) for customer reassurance world-wide interchangeability.

Features

- Bores 10, 12, 16, 20, 25 mm (ISO 6432)
- Air ports M5 bores 12-16 mm, 1/8 BSPP (G threads) bores 20-25 mm
- Strokes from 5 up to 1000 mm
- Double or single acting
- Magnetic piston as standard
- Piston with elastic end of stroke cushioning as standard
- Piston rod in polished stainless steel as standard
- Male threads
- Scraper / piston rod seal in one
- Standard and high temperature
- Corrosion resistant design, end covers in anodised aluminium (P1A) or in stainless steel (P1S) barrel in stainless steel
- Without piston rod guidance
- Low weight construction
- Bracket for fixing sensors on the cylinder's body
- Flexible direct mountings, threads on each end face

ISO 15524 P1Q Series

P1Q Series Compact Cylinder

The P1Q Series is a complete range of ISO 15524 compact cylinders developed to meet the highest requirements for value, quality and performance. The careful design in every detail provides first class function and service life properties. The versatile high quality ISO compact cylinder range, P1Q cylinders are up to 50% shorter than ISO 15552 cylinders for the same stroke. Suitable for a wide range of limited stroke lengths applications.

Benefits

Reliability and long service life are key qualities of any pneumatic cylinder. Therefore we have given P1Q highest possible quality in every detail based on our 40 years of experience and extensive testing. Long service life with proven expertise for leading and proven tribology solutions and seal technology.
The compact axial dimension makes it possible to use the P1Q cylinders in a broad range of applications. This is highly valuable in narrow spaces in machines or production lines.

Installation dimensions

Complies with the ISO 15524 for cylinder dimensions for customer reassurance world-wide interchangeability.

Features

- Bores 12, 16, 20, 25, 32, 40, 50, 63, 80, 100 mm
- Air ports Metric bores 12 to 25 mm, BSPP (G threads) bores 32 to 100 mm
- Strokes from 5 up to 100 mm
- Double acting
- Magnetic or non magnetic piston
- Buffer cushioning both side as standard
- Stainless steel piston rod bores 12 to 32 mm, medium carbon steel bores 40 to 100 mm as standard
- Female threads as standard
- Standard temperature
- Corrosion resistant design, end covers and barrel in anodised aluminium
- Without piston rod guidance
- Low weight construction
- 2 sensors grooves per side face
- Flexible direct mountings, 4 through holes or 4 threads on each end face

ISO 21287 P1P Series

P1P Series Compact Cylinders

The P1P Series is a complete range of ISO 21287 compact cylinders developed to meet the highest requirements for value, quality and performance. The careful design in every detail provides first class function and service life properties. The versatile high quality ISO compact cylinder range, P1P cylinders are up to 50% shorter than ISO 15552 cylinders for the same stroke. Suitable for a wide range of limited stroke lengths applications.

Benefits

Reliability and long service life are key qualities of any pneumatic cylinder. Therefore we have given P1P highest possible quality in every detail based on our 40 years of experience and extensive testing. Long service life with proven expertise for leading and proven tribology solutions and seal technology within Parker Prädifa.

The compact axial dimension makes it possible to use the P1P cylinders in a broad range of applications. This is highly valuable in narrow spaces in machines or production lines.

Installation dimensions

Complies with the ISO 21287 for cylinder dimensions and with ISO 15552 for the mountings (from bore 32mm) for customer reassurance world-wide interchangeability.

Features

- Bores 20, 25, 32, 40, 50, 63, 80, 100 mm
- Air ports M5 bores 20 to 25 mm, BSPP (G threads) bores 32 to 100 mm
- Strokes from 5 up to 100 mm
- Double or single acting
- Magnetic piston as standard
- Piston with elastic end of stroke cushioning as standard
- Piston rod in polished stainless steel as standard
- Female or male threads
- Piston rod bearing in multilayer PTFE/ steel
- Wiper / piston rod seal in one
- Standard, low and high temperature
- Corrosion resistant design, end covers and barrel in anodised aluminium
- With or without piston rod guidance
- Low weight construction
- 1 or 2 sensors grooves per side face
- Flexible direct mountings, 4 through holes or 4 threads on each end face

ISO 15552 P1F Series

P1F Cylinders

The P1F Series is a complete range of ISO 15552 compact cylinders developed to meet the highest requirements for value, quality and performance. The careful design in every detail provides first class function and service life properties. The versatile high quality ISO cylinder range. Suitable for a wide range of applications.

Benefits

Reliability and long service life are key qualities of any pneumatic cylinder. Therefore we have given P1F highest possible quality in every detail based on our 40 years of experience and extensive testing. Long service life with proven expertise for leading and proven tribology solutions and seal technology within Parker Pradifa.

Installation dimensions

Complies with the ISO 15552 for cylinder dimensions and for the mountings for customer reassurance world-wide interchangeability.

Features

- Bores 32, 40, 50, 63, 80, 100, 125 mm
- Air ports 1/8, 1/4, 1/4, 3/8, 3/8, 1/2, 1/2, BSPP (G threads)
- Strokes from 5 up to 2.500 mm
- Double acting
- Magnetic piston as standard
- Aluminium and non magnetic piston as an option
- Piston rod in polished stainless steel as standard
- Female or male threads
- Piston rod bearing in multilayer PTFE/ steel
- Wiper / piston rod seal in one
- Standard, low and high temperature
- Metallic scraper as an option
- FKM or dry running scraper with stainless steel screws and anodised end caps as an option
- Corrosion resistant design, sandblast end covers and barrel in anodised aluminium
- Without piston rod guidance
- Low weight construction
- ATEX version as an option
- Rod locks as an option
- 2 sensors grooves on top face
- Flexible direct mountings, 4 threads on each end face

ISO 15552 P1F-T Series

P1F-T Series Tie-Rods Cylinders

The P1D-T Series is a complete range of ISO 15552 cylinders developed to meet the highest requirements for value, quality and performance. The careful design in every detail provides first class function and service life properties. Suitable for a wide range of applications.

Benefits

Reliability and long service life are key qualities of any pneumatic cylinder. Therefore we have given P1F highest possible quality in every detail based on our 40 years of experience and extensive testing. Long service life with proven expertise for leading and proven tribology solutions and seal technology within Parker Pradifa.

Installation dimensions

Complies with the ISO 15552 for cylinder dimensions and for the mountings for customer reassurance world-wide interchangeability.

Features

- Bores 160, 200, 250, 320 mm
- Air ports 1/2, 1/2, 1, 1, BSPP (G threads)
- Strokes from 5 up to 2300 mm
- Double acting
- Magnetic piston as standard
- Non magnetic piston as an option
- Piston rod in polished stainless steel as standard
- Male threads
- Piston rod bearing in multilayer PTFE/ steel
- Standard and high temperature
- Corrosion resistant design, painted end covers and barrel Sin anodised aluminium
- Without piston rod guidance
- Low weight construction
- Bracket for fixing sensors on tie rods
- Flexible direct mountings, 4 threads on each end face

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