Pneumatic ISO Cylinders
P1D-B Series
According to ISO 15552
Bulletin 0900-B7
P1D-B Pneumatic ISO Cylinders

Global Product Range

The P1D-B Series meets the specifications in the ISO 15552 standard. This means full interchangeability to any ISO 15552 cylinder anywhere around the globe. P1D-B will be available throughout the extensive worldwide Parker Hannifin organization.

Operating and Environmental Data

Operating medium
For best possible service life and trouble-free operation, dry, filtered compressed air to ISO 8573-1:2010 quality class 3.4.3 should be used. This specifies a dew point of +3°C for indoor operation (a lower dew point should be selected for outdoor operation) and is in line with the air quality from most standard compressors with a standard filter.

<table>
<thead>
<tr>
<th>Operating pressure</th>
<th>0.5 bar to 10 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient temperature: Standard version</td>
<td>-20°C to +80°C</td>
</tr>
<tr>
<td>Pre-lubricated</td>
<td>Further lubrication is normally not necessary. If additional lubrication is introduced it must be continued.</td>
</tr>
</tbody>
</table>
P1D-B Pneumatic ISO Cylinders

The P1D-B series is a new addition to the Parker comprehensive line of ISO tie rod cylinders:

**ISO Tie Rod Cylinder Families**

<table>
<thead>
<tr>
<th>P1D-B</th>
<th>P1D-S</th>
<th>P1D-C</th>
<th>P1D Tie Rod</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost effective solution for machine builders</td>
<td>Numerous options and customized designs upon request</td>
<td>Clean design for food and packaging</td>
<td>High force applications, available to 200mm bore</td>
</tr>
<tr>
<td>Cushions and magnetic piston are standard</td>
<td>Anodized end caps and cylinder tube</td>
<td>Anodized aluminum and stainless steel throughout</td>
<td>Tandem and duplex applications</td>
</tr>
<tr>
<td>Metal piston rod bearing</td>
<td>Cushions and magnetic piston are standard</td>
<td>IP67 End cover plugs</td>
<td></td>
</tr>
</tbody>
</table>

**Ordering Information**

```
P1D - B 032 M C - 0500 N N N N N
```

- **Cylinder version**
  - B: Basic

- **Bore size**
  - 032: 32mm
  - 040: 40mm
  - 050: 50mm
  - 063: 63mm
  - 080: 80mm
  - 100: 100mm
  - 125: 125mm

- **Scraper function**
  - M: Standard
  - Double acting

- **Stroke**
  - Specify whole mm using 4 digits, i.e. 0500

- **Piston rod material**
  - C: Chrome plated carbon steel
  - R: Chrome plated Stainless steel

- **Seals**
  - Standard -20°C to +80°C

- **Ports**
  - BSPP
  - NPT

- **Rod end**
  - N: Metric male
  - 6: Metric female
  - 3: Special

- **Mounting style**
  - Standard
  - N: None (MX0)
  - 1: Flange MF1 at head (front) end
  - B: Flange MF2 at cap (rear) end
  - 2: Flanges MF1 and MF2 at both ends
  - F: Foot brackets MS1
  - C: Clevis bracket GA aluminum
  - E: Rear eye MP4 aluminum
  - S: Rear swivel eye MP6 aluminum
  - T: Clevis bracket MP2 aluminum
  - L: Rear eye + clevis (MP4 + MP2) aluminum
  - X: Clevis bracket MP2 + pivot hinge aluminum
  - Q: Clevis bracket GA aluminum + steel swivel hinge
  - M: Rear swivel eye + clevis bracket GA aluminum
  - G: Intermediate trunnion MT4 (requires XV dimension)
  - H: Trunnion flange at head (front) end
  - J: Trunnion flange at cap (rear) end

*Please provide desired dimensions for KK, AM and WH or W. If otherwise, please provide dimensioned sketch.*
The Parker 5-Year Extended Warranty

Parker Hannifin Corporation will extend its warranty on all pneumatic components to sixty (60) months providing they are correctly installed and protected by Parker pneumatic filters which are properly maintained. Components covered by this warranty include all cylinders, valves, and pneumatic automation components manufactured by Parker in any of our global facilities. This warranty covers our components anywhere in the world you may ship your equipment.

Parker’s obligation under this warranty is limited to the replacement or repair of any failed components. The buyer understands that the seller will not be liable for any other costs or damages.

The buyers of quality Parker components and filters benefit by having ONE source for all pneumatic needs - Parker.

Yoon "Michael" Chung
President
Automation Group