PISTON SEALS TYPE PDE - PDEP

The PDE is a symmetric double-acting piston seal for alternative linear movements. It is designed for oleodynamic applications made in NBR rubber with a hardness of 85 Shore A. It is fitted with expansion garter springs to ensure the correct pressure on the radial contact.

The PDEP is a double-acting piston seal specially designed for pneumatic cylinders. It is made in nitrile rubber (NBR) with a hardness of 70 Shore A with special sealing profiles vulcanized to the central steel plate.

### Constructive directions

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<tr>
<th>Description</th>
<th>PDE</th>
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</thead>
<tbody>
<tr>
<td>Applications</td>
<td>General industry</td>
<td></td>
</tr>
<tr>
<td>Maximum working speed</td>
<td>up to 0.5 m/s</td>
<td></td>
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<tr>
<td>Maximum pressure</td>
<td>40 BAR</td>
<td>10 BAR</td>
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<tr>
<td>Operating temp. range</td>
<td>-30°C / 100°C</td>
<td>-30°C / 100°C</td>
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</tbody>
</table>

### Technical features

#### PDE
1. Rubber body with symmetrical double lip
2. Double garter spring for oleodynamic sealing
3. Sealing edge made by production tool

#### PDEP
1. Rubber body with symmetrical double lip
2. Metal insert

### Materials

#### PDE
1. Elastomer: NBR; FKM
2. Garter spring: AISI 302; AISI 304; AISI 316; C72 phosphated
3. Metal insert: Fe-P11

#### PDEP
1. Elastomer: NBR; FKM
2. Metal insert: Fe-P11

For further information on all our seals, please check our web page or contact our offices.