



## ROTARY SHAFT OIL SEALS AND CUSTOM MADE ARTICLES IN ELASTOMER AND RUBBER-TO-METAL

Rev. 00 06-10-2016

### PISTON SEALS TYPE PDE - PDEP

The PDE is a symmetric double-acting piston seal for alternative linear movements. Is it 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.

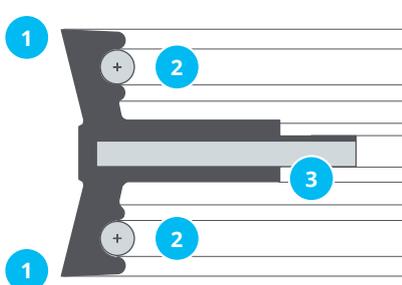
The PDEP is a double-acting piston seal specially designed for pneumatic cylinders. It is made in nitrile rubber (NBR) with a hardness of 70 Shore A with special sealing profiles vulcanized to the central steel plate.

Description	PDE	PDEP
<b>Applications</b>	General industry	
<b>Maximum working speed</b>	up to 0,5 m/s	
<b>Maximum pressure</b>	40 BAR	10 BAR
<b>Operating temp. range</b>	-30°C / 100°C	-30°C / 100°C

Constructive directions	PDE
<b>Cylinder diameter</b>	According to tolerance ISO H11
<b>Cylinder roughness</b>	Rmax <= 2 µm

Constructive directions	PDEP
<b>Cylinder diameter</b>	According to ISO H11 tolerances
<b>Piston diameter</b>	According to ISO H10 tolerances
<b>Surface roughness</b>	Rmax <= 4 µm

#### PDE



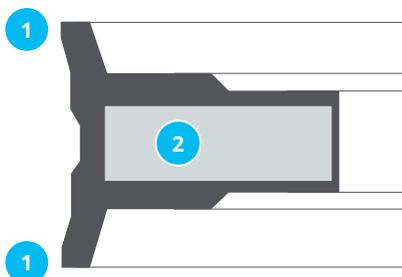
#### Technical features

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

#### Materials

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

#### PDEP



#### Technical features

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- 2 Metal insert

#### Materials

- 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.