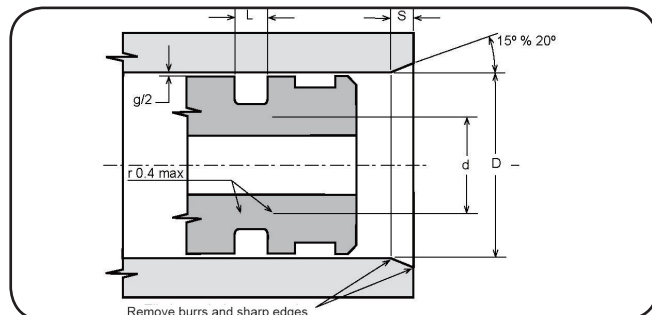


DOUBLE-ACTING PISTON SEAL

**MAIN FEATURES**

The PDTG is a high-pressure double-acting piston seal composed by:

A sealing component that ensures low friction, high operating speed, thanks to the superior chemical resistance of the material compared to all other elastomers, as well as high compatibility with almost all fluids.

A low permanent deformation rubber sealing component as an energising element over the static part.

Two anti-extrusion rings providing a high coupling clearance or structural deformation with no risk of extrusion, thus ensuring a long durability of various components.

- ° Low static and dynamic adhesion friction.
- ° No stick-slip behaviour
- ° Reduced assembly
- ° High operating life

PDTG

DESCRIPTION

Double-acting piston seal

RING MATERIAL

Polytetrafluoroethylene+PTFE + Bronze.

DYNAMIC SURFACE MATERIAL

PA Polyamide Resin

OPERATING CONDITIONS

Speed: < 0.5 m/seg.

Pressure: < 500 Bar.

Temperature: - 20 a + 120°C

Fluid: Hydraulic oil
(mineral based)

(For other fluids, please contact our technical department)

Surface Roughness:

Dynamic surface $R_a < 0.3 \mu\text{m}$ $R_t < 2.5 \mu\text{m}$

Static surface $R_a < 1.6 \mu\text{m}$ $R_t < 6.3 \mu\text{m}$

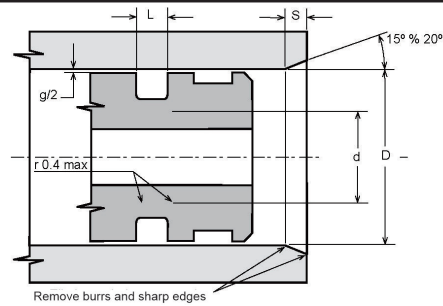
The maximum coupling clearance on the side opposite to the pressure direction.

- ° 50 bar. 1.20 mm
- ° 100 bar. 0.80 mm
- ° 200 bar. 0.40 mm
- ° 300 bar. 0.25 mm
- ° 400 bar. 0.17 mm

Acceptance chamfer

D	S minimum
° Less than 100 5 mm	5 mm
° From 100 to 200 7 mm	7 mm
° more than 200 10 mm	10 mm

PDTG



	Size			D H 9	d +0.1	L+0.2
PDTG	50.00	36.00	9.00	50.00	36.00	9.00
PDTG	60.00	46.00	9.00	60.00	46.00	9.00
PDTG	65.00	50.00	11.00	65.00	50.00	11.00
PDTG	70.00	55.00	11.00	70.00	55.00	11.00
PDTG	75.00	60.00	11.00	75.00	60.00	11.00
PDTG	80.00	65.00	11.00	80.00	65.00	11.00
PDTG	85.00	70.00	11.00	85.00	70.00	11.00
PDTG	90.00	75.00	11.00	90.00	75.00	11.00
PDTG	95.00	80.00	11.00	95.00	80.00	11.00
PDTG	100.00	85.00	12.50	100.00	85.00	12.50
PDTG	105.00	90.00	12.50	105.00	90.00	12.50
PDTG	110.00	95.00	12.50	110.00	95.00	12.50
PDTG	115.00	100.00	12.50	115.00	100.00	12.50
PDTG	120.00	105.00	12.50	120.00	105.00	12.50
PDTG	125.00	102.00	16.00	125.00	102.00	16.00
PDTG	130.00	107.00	16.00	130.00	107.00	16.00
PDTG	135.00	112.00	16.00	135.00	112.00	16.00
PDTG	140.00	117.00	16.00	140.00	117.00	16.00
PDTG	145.00	122.00	16.00	145.00	122.00	16.00
PDTG	150.00	127.00	16.00	150.00	127.00	16.00
PDTG	160.00	137.00	16.00	160.00	137.00	16.00
PDTG	165.00	142.00	16.00	165.00	142.00	16.00
PDTG	170.00	147.00	16.00	170.00	147.00	16.00
PDTG	180.00	157.00	16.00	180.00	157.00	16.00
PDTG	185.00	162.00	16.00	185.00	162.00	16.00
PDTG	200.00	177.00	16.00	200.00	177.00	16.00