

Piston Seals

PGY

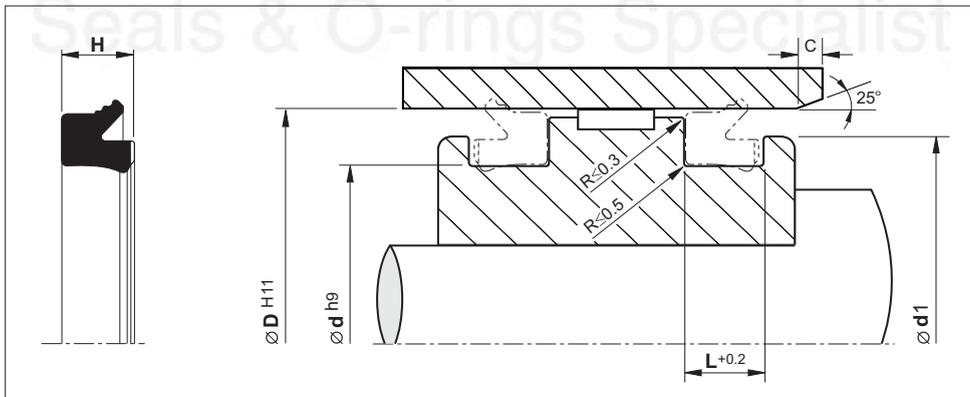
(Metric Size)



Material	Pressure (Bar)	Temp. (°C)	Speed (m/s)
NBR	10	-25 +80	1

- Exclusively designed for piston.
- Non lubrication required.
- High wear resistance.
- Low friction.

Installation Recommendation



Surface roughness	Ra	Rmax	Chamfers	
Sliding surface	$\leq 0.3 \mu\text{m}$	$\leq 2.5 \mu\text{m}$	$\varnothing D$	C
Surface of housing	$\leq 1.6 \mu\text{m}$	$\leq 6.3 \mu\text{m}$	< 100	3.0
Sides of housing	$\leq 3.0 \mu\text{m}$	$\leq 15 \mu\text{m}$	100-180	4.0
			180-300	5.0

Piston - PGY



(Metric Size)

Bore Dia.	Groove Dia.	Seal Hight	Groove Width	Fitting Dia.	Reference (For order processing)
D	d	H	L	d1	
20.0	12.0	5.2	5.7	17.0	PGY-020
25.0	17.0	5.2	5.7	23.0	PGY-025
28.0	20.0	5.2	5.7	26.0	PGY-028
30.0	22.4	5.2	5.7	29.0	PGY-030
32.0	24.0	5.2	5.7	31.0	PGY-032
40.0	30.0	6.5	7.0	39.0	PGY-040
50.0	40.0	6.5	7.0	49.0	PGY-050
63.0	53.0	6.5	7.0	62.0	PGY-063
80.0	70.0	6.5	7.0	79.0	PGY-080
100.0	85.0	9.5	10.0	98.5	PGY-100
120.0	105.0	9.5	10.0	118.5	PGY-120
125.0	110.0	9.5	10.0	123.5	PGY-125
140.0	125.0	9.5	10.0	138.5	PGY-140
150.0	135.0	9.5	10.0	148.5	PGY-150
160.0	145.0	9.5	10.0	158.5	PGY-160
180.0	165.0	9.5	10.0	178.5	PGY-180
200.0	180.0	12.0	13.0	198.0	PGY-200
250.0	230.0	12.0	13.0	248.0	PGY-250
300.0	280.0	14.0	15.0	298.0	PGY-300

Seals & O-rings Specialist