

Design

AB Seals RP is a compact double acting piston seal assembly designed for one piece pistons and is suitable for low to high pressure, medium to heavy duty applications. The assembly comprises as standard a self lubricating wear resistant bronze filled or glass / MoS2 filled PTFE cap ring, which is loaded by a NBR energizer. Thermoplastic split anti-extrusion rings support the seal on both sides and prevent contamination of the energizer and cap ring.



For information about other material options available, please contact your local AB Seals office.

OPERATING RANGE

Technical details	Metric	Inch
Maximum Speed	1.5 m/sec	4.92 ft/sec
Temperature Range	-40 to +100	-40 to +212
Maximum Pressure	500 bar	7251 P.S.I
Operating Fluid	Standard hydraulic oils	

MATERIAL

- Main Seal - PTB4/PTB6
- Energizer NBR75 / NBR80 / VKM75
- Back up ring- PGF40

APPLICATION

- Mobile hydraulics
- Agriculture equipment
- Machine tools
- Injection cylinder
- Hydraulic presses
- Lift platforms

Maximum Extrusions Gap

Allowable Extrusion Gap is
0.2 to 0.3 mm

Surface Roughness

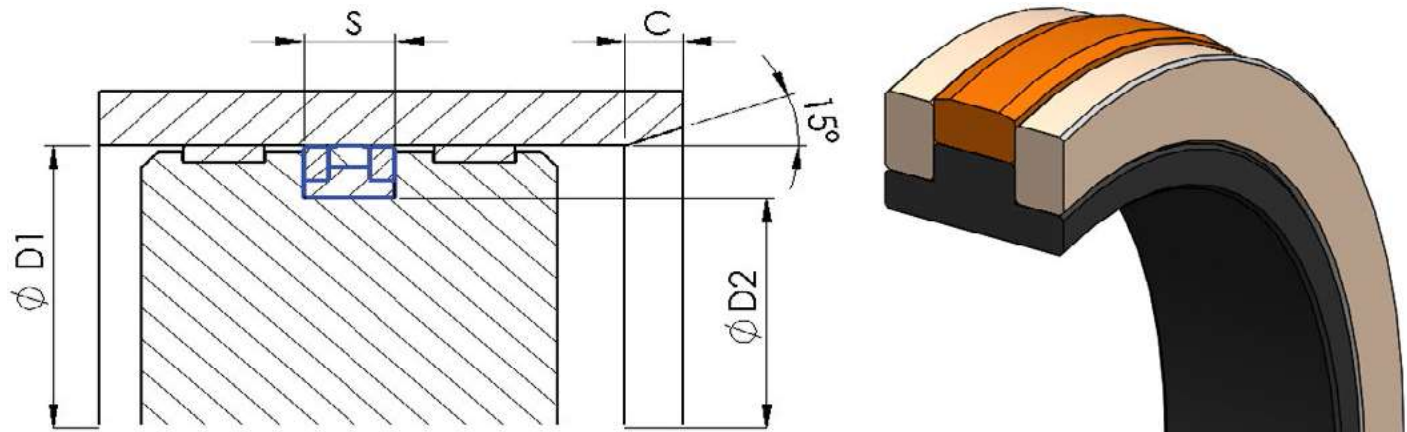
Technical details	Ra (um)	Rt (um)
Sliding Surface	0.4	4
Base Groove	1.6	10
Side Groove	3.2	16

Chamfers & Radii

Chamfer 7 - 14 mm
Radii 0.4 - 0.8 mm

Ordering Code:

- Example For Temperature -40 to 100, And Tube Bore 60mm - RP60469
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.



ØD1	ØD2	S	PART NO.
60	46	9	RP60469
70	55	11	RP705511
80	65	11	RP806511
90	75	11	RP907511
100	85	12.5	RP10085125
110	95	12.5	RP11095125
120	105	12.5	RP120105125
125	102	16	RP12510216
130	107	16	RP13010716
135	112	16	RP13511216
140	117	16	RP14011716
145	122	16	RP14512216
150	127	16	RP15012716
160	137	16	RP16013716
165	142	16	RP16514216
180	157	16	RP18015716
200	177	16	RP20017716
225	202	16	RP22520216
250	222	17.5	RP250222175