

Design

The AB Seals DP, piston seal with hard bearing rings gives a very heavy duty seal assembly for split pistons. It helps the designer to use larger clearances and, with the integral bearing rings, to restrict the piston length. The main seal is nbr with fabric which is compressed by the housing to obtain an effective low pressure seal. With increase in pressure rubberized seal energizes the 'U' section increasing the sealing area and improving the sealing capacity.



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

OPERATING RANGE

Technical details	Metric	Inch
Maximum Speed	0.5 m/sec	1.6 ft/sec
Temperature Range	-30 to + 100	-22F + 212F
Maximum Pressure	700 bar	10150 P.S.I
Operating Fluid	Standard hydraulic oils	

MATERIAL

- Main Seal - NBRC
- Bearing -DE

APPLICATION

- Truck cranes
- Forklift and handling machinery
- Mobile hydraulics
- Machine tools
- Standard cylinder

Maximum Extrusions Gap

Allowable Extrusion Gap is
0.5 to 1 mm

Surface Roughness

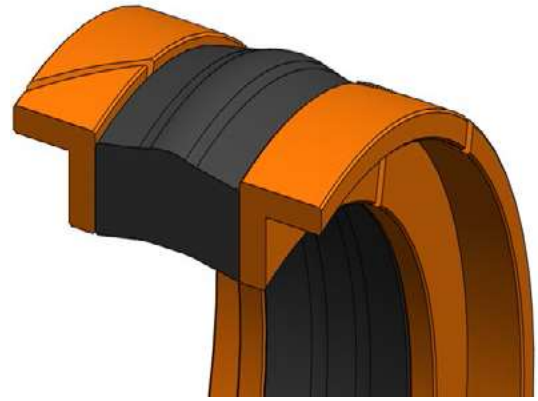
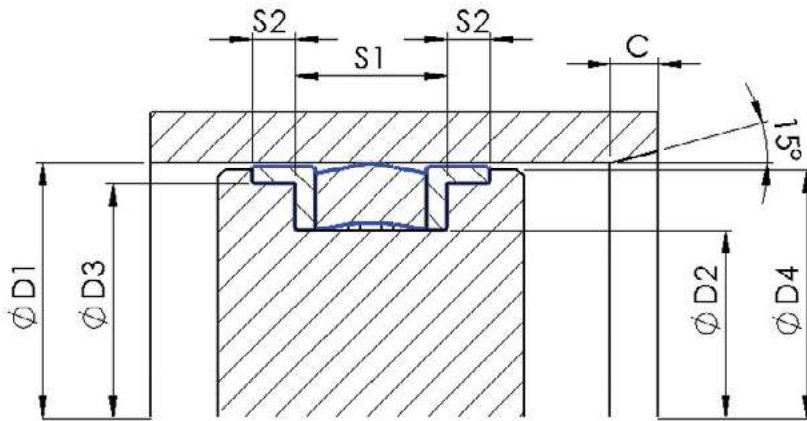
Technical details	Ra (um)	Rt (um)
Sliding Surface	0.4	4
Base Groove	1.6	10
Side Groove	3.2	16

Chamfers & Radii

Chamfer 5 - 15 mm
Radii .4 - 8 mm

Ordering Code:

- Example For Temperature -30 to 100 And Tube Bore 50mm - DP503418/309
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.



ØD1	ØD2	ØD3	ØD4	S1	S2	PART
				0.25	-0.15	NO.
40	25	34.85	39	24	6	DP402524/36
50	34	45.54	48.5	18	6.45	DP503418/309
50	35	44.85	48.5	24	6	DP503524/36
60	40	53.85	58.5	31	7	DP604031/45
63	48	57.85	61.5	24	6	DP634824/36
70	50	63.85	68	31	7	DP705031/45
80	60	73.85	78	31	7	DP806031/45
90	70	83.85	88	31	7	DP907031/45
100	80	93.85	98	31	7	DP1008031/45
110	90	103.85	108	31	7	DP1109031/45
120	100	113.85	118	31	7	DP12010031/45
125	100	118.85	123	38	9.5	DP12510038/57
140	120	133.85	138	31	7	DP14012031/45
150	120	143.85	148	44	9.5	DP15012044/63
150	125	143.5	148	25	6.45	DP15012525/379
160	135	153.85	158	38	9.5	DP16013538/57
160	140	153.85	158	31	7	DP16014031/45
180	150	173	178	35	6.45	DP18015035/479
200	175	193.85	198	38	9.5	DP20017538/57