

Design

The AB seals PU is an asymmetric piston seal designed to offer effective bore sealing in a wide variety of applications. The outer dynamic lip is machine trimmed and is shorter and more robust to provide improved sealing and compression set. The seal can be used by itself as a single acting seal or fitted back to back in separate grooves for double acting applications.



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

OPERATING RANGE

Technical details	Metric	Inch
Maximum Speed	1.0m/sec	3.0 ft/sec
Temperature Range	-40 to 100	-40F + 212F
Maximum Pressure	300 bar	4351 P.S.I
Operating Fluid	Standard hydraulic oils	

MATERIAL

- Polyurethane PUA/PUB / PUAB/PU95
- Fluorocarbon Rubber VKM75

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

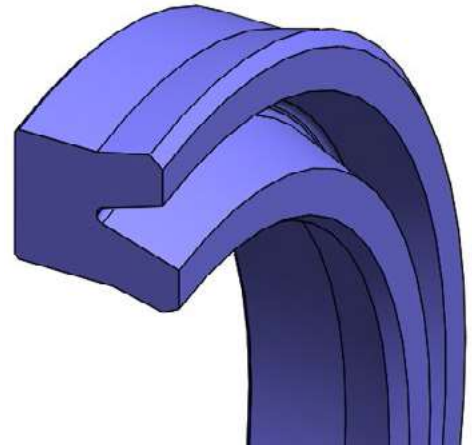
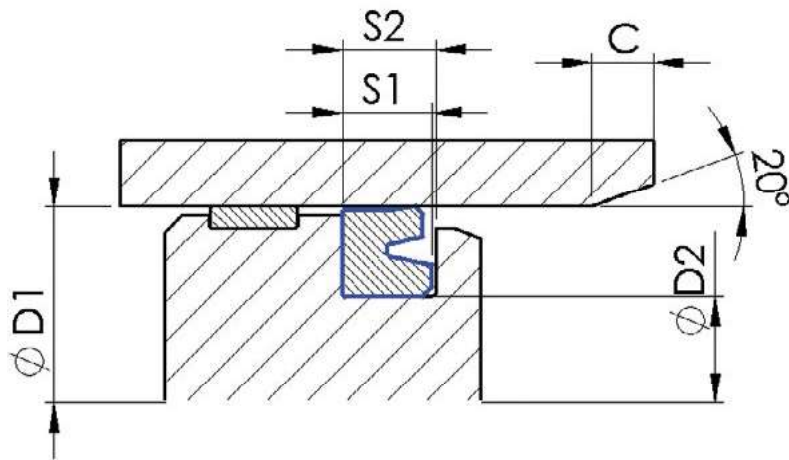
Technical details	Ra (um)	Rt (um)
Sliding Surface	0.3	1.5
Base Groove	0.8	6.3
Side Groove	3.2	15

Chamfers & Radii

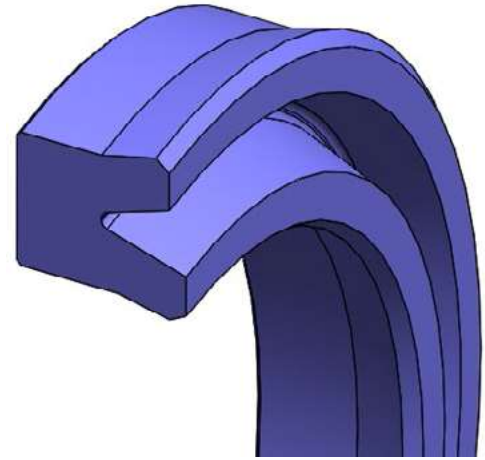
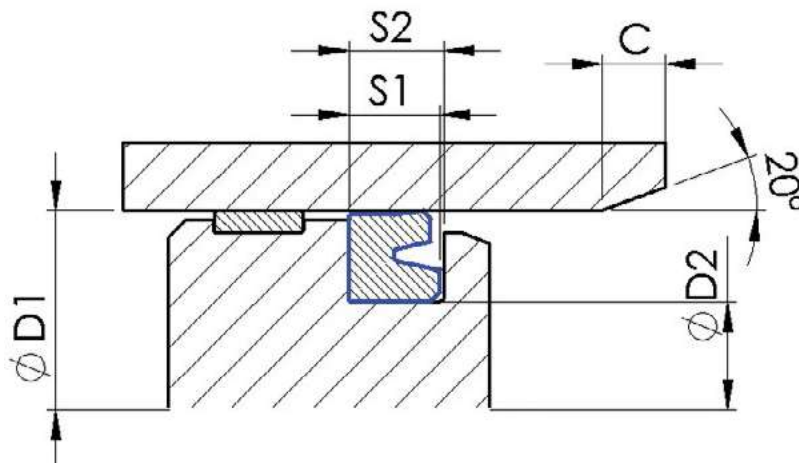
Chamfer 2.5 – 7.5 mm
Radii 0.4 – 0.8 mm

Ordering Code:

- Example For Temperature -40 to 100, And Tube Bore 50mm PU504073/8
- For Temperature -40 to 200, And Tube Bore 50mm PUV504073/8
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.



ØD1	ØD2	S1	S2	PART NO.
16	10	5.7	6.3	PU161057/63
25	17	5.7	6.3	PU251757/63
30	20	8	9	PU30208/9
40	30	7.3	8	PU403073/8
45	35	7.3	8	PU453573/8
50	40	7.3	8	PU504073/8
55	45	7.3	8	PU554573/8
60	50	9	10	PU60509/10
63	53	7.3	8	PU635373/8
65	55	7.3	8	PU655573/8
70	60	8.1	9	PU706081/9
75	67	8.8	9.7	PU756788/97
80	70	6.8	7.5	PU807068/75
85	75	8.1	9	PU857581/9
90	80	11	12	PU908011/12
100	85	11.4	12.5	PU10085114/125
110	100	8	9	PU1101008/9
125	105	14.5	16	PU125105145/16
150	130	14.5	16	PU150130145/16
160	140	14.5	16	PU160140145/16
170	150	15	16.5	PU17015015/165
180	160	15	16.5	PU18016015/165
190	170	15	16.5	PU19017015/165
200	180	14.5	16	PU200180145/16



ØD1	ØD2	S1	S2	PART NO.
210	190	16.5	18	PU210190165/18
220	200	14.5	16.5	PU220200145/165
230	210	15	16.5	PU23021015/165
240	220	15.5	17	PU240220155/17
250	230	15	16.5	PU25023015/165