

Design

Used in tandem, the AB Seals PTC rod seal provides the designer with a compact low friction seal for light to medium duty hydraulic cylinders. It is designed to have high contact area with the rod to retain the media at low pressure. Standard seals are supplied with a nitrile O ring but other materials can be provided.



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

OPERATING RANGE

Technical details	Metric	Inch
Maximum Speed	1 m/sec	3.2 ft/sec
Temperature Range	-30 to +100	-22 F + 212 F
Maximum Pressure	360 bar	5220 P.S.I
Operating Fluid		

MATERIAL

- Main seal- PTB4 / PTB6
- O' ring- NBR 75 / VKM75

APPLICATION

- Mobile hydraulics
- Agriculture equipment
- Machine tools
- Lift platforms

Maximum Extrusions Gap

Allowable Extrusion Gap is
0.1 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

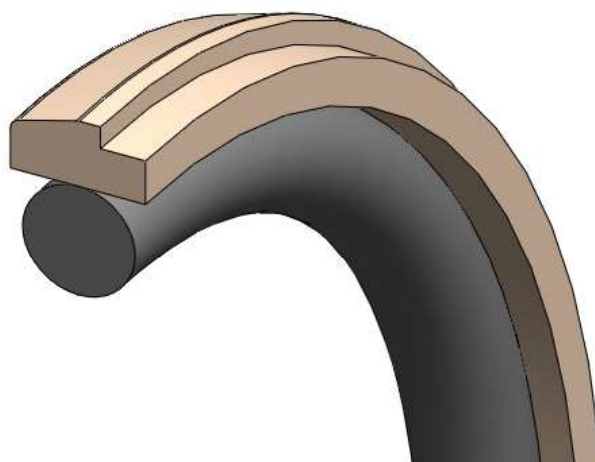
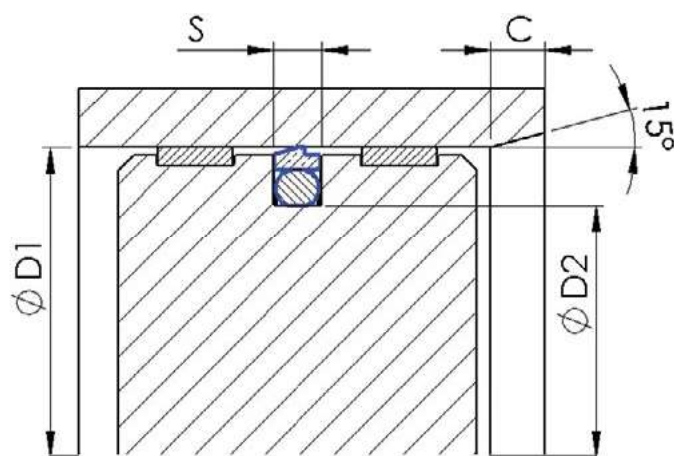
Chamfers & Radii

Chamfer 3.75 - 10.5
Radii 0.4 - 8 mm

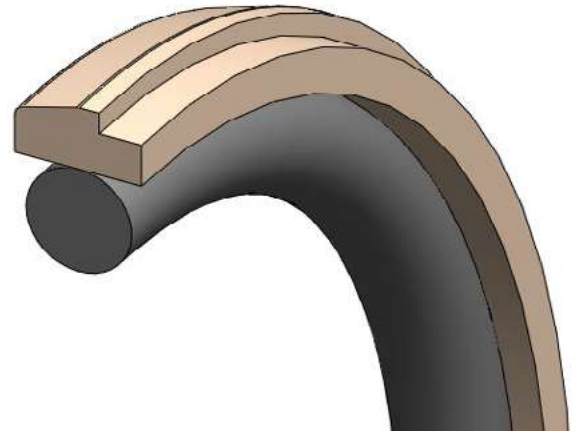
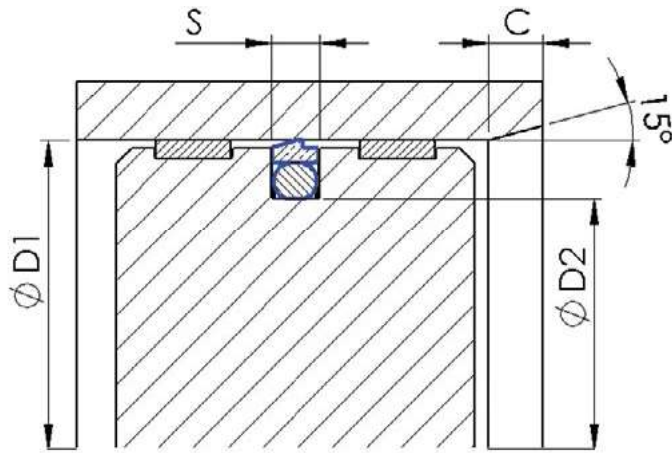
Standard Bore- DH8	Groove Width b1 D10	EXTRUSION GAP		SEAL WIDTH b
		0-200 bar	200 - 360 bar	
8 - 16,9	2,2	0,3 - 0,2	0,2 - 0,15	1,9
17 - 26,9	3,2	0,4 - 0,25	0,25 - 0,15	2,9
27 - 59,9	4,2	0,4 - 0,25	0,25 - 0,15	3,9
60 - 199,9	6,3	0,5 - 0,3	0,3 - 0,2	6,0
200 - 255,9	8,1	0,5 - 0,3	0,3 - 0,2	7,8
256 - 669,9	8,1	0,6 - 0,35	0,35 - 0,25	7,8
670 - 999	9,5	0,7 - 0,4	0,4 - 0,3	9,2

Ordering Code:

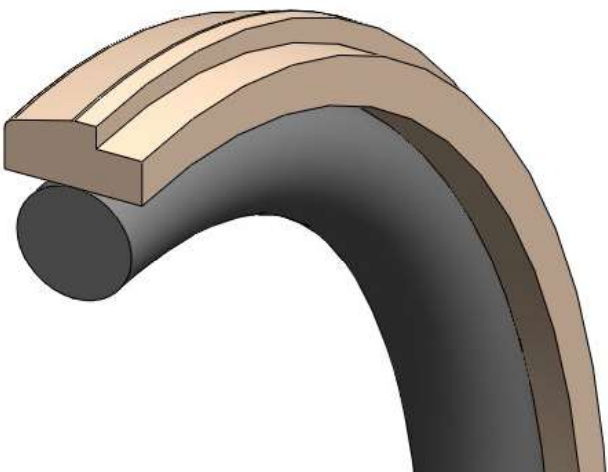
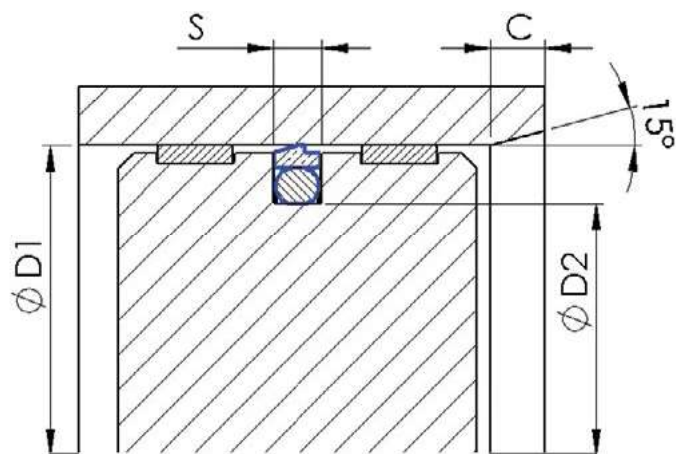
- Example For Temperature -30 to 100, And Tube Bore 40mm - PTC402942
- For Temperature -30 to 200, And Tube Bore 40mm - PTCV402942
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.



ØD1	ØD2	S	PART NO.
12	7.1	2.2	PTC127122
15	10.1	2.2	PTC1510122
16	11.1	2.2	PTC1611122
18	10.5	3.2	PTC1810532
20	12.5	3.2	PTC2012532
22	14.5	3.2	PTC2214532
23	15.5	3.2	PTC2315532
25	17.5	3.2	PTC2517532
26	18.5	3.2	PTC2618532
28	20.5	3.2	PTC2820532
32	24.5	3.2	PTC3224532
35	27.5	3.2	PTC3527532
36	25	4.2	PTC362542
40	29	4.2	PTC402942
45	34	4.2	PTC453442
47	36	4.2	PTC473642
70	54.9	6.3	PTC7054963
80	64.9	6.3	PTC8064963
85	69.9	6.3	PTC8569963
90	74.9	6.3	PTC9074963
100	84.9	6.3	PTC10084963
110	94.9	6.3	PTC11094963
125	109.9	6.3	PTC125109963
130	114.9	6.3	PTC130114963
135	119.9	6.3	PTC135119963
140	124.9	6.3	PTC140124963



ØD1	ØD2	S	PART NO.
150	134.9	6.3	PTC150134963
155	139.9	6.3	PTC155139963
160	144.9	6.3	PTC160144963
170	154.9	6.3	PTC170154963
175	159.9	6.3	PTC175159963
180	164.9	6.3	PTC180164963
190	174.9	6.3	PTC190174963
195	179.9	6.3	PTC195179963
200	179.5	8.1	PTC200179581
220	199.5	8.1	PTC220199581
225	201	8.1	PTC22520181
230	209.5	8.1	PTC230209581
250	226	8.1	PTC25022681
250	229.5	8.1	PTC250229581
260	236	8.1	PTC26023681
270	246	8.1	PTC27024681
275	251	8.1	PTC27525181
280	256	8.1	PTC28025681
290	266	8.1	PTC29026681
300	276	8.1	PTC30027681
310	286	8.1	PTC31028681
320	296	8.1	PTC32029681
360	336	8.1	PTC36033681
370	346	8.1	PTC37034681
375	351	8.1	PTC37535181
380	356	8.1	PTC38035681



ØD1	ØD2	S	PART NO.
400	376	8.1	PTC40037681
410	386	8.1	PTC41038681
420	396	8.1	PTC42039681
425	401	8.1	PTC42540181
430	406	8.1	PTC43040681
450	426	8.1	PTC45042681
480	456	8.1	PTC48045681
510	486	8.1	PTC51048681
540	516	8.1	PTC54051681
660	636	8.1	PTC66063681
680	656	8.1	PTC68065681
860	832	9.5	PTC86083295