

Design

This tandem seal PTR is a piston 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 sq ring but other materials can also be provided.



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

OPERATING RANGE

Technical details	Metric	Inch
Maximum Speed	1.5 m/sec	4.9 ft/sec
Temperature Range	-30 to +100	-22 to 212
Maximum Pressure	350 bar	5000 P.S.I
Operating Fluid	Standard hydraulic oils	

MATERIAL

- Main seal- PTB4 / PTB6
- Sq Ring- NBR 75 / VKM75

APPLICATION

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

Maximum Extrusions Gap

Allowable Extrusion Gap is
0.1 to .3 mm

Surface Roughness

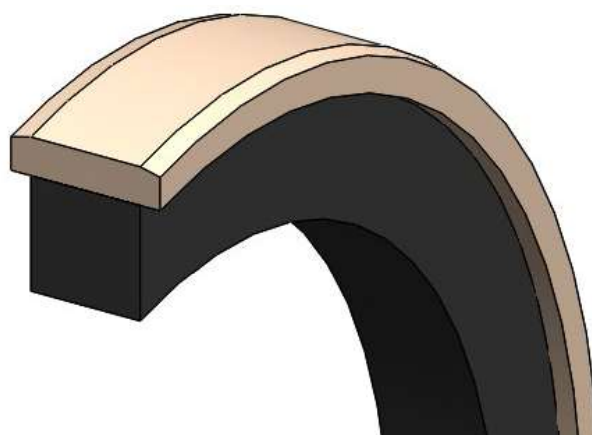
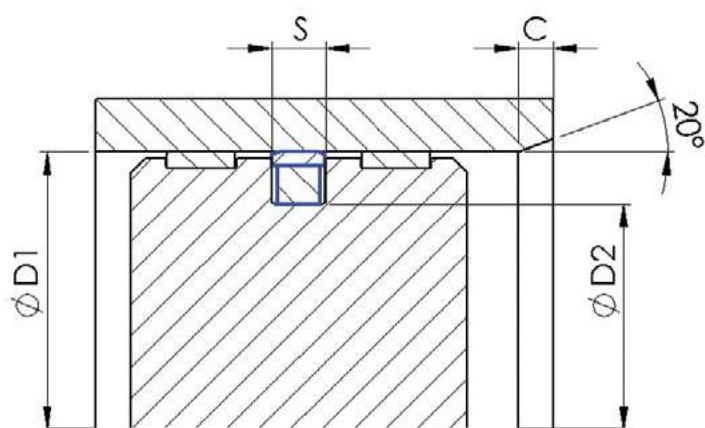
Technical details	Ra (um)	Rt (um)
Sliding Surface	0.4	4
Base Groove	1.6	10
Side Groove	3.2	16

Chamfers & Radii

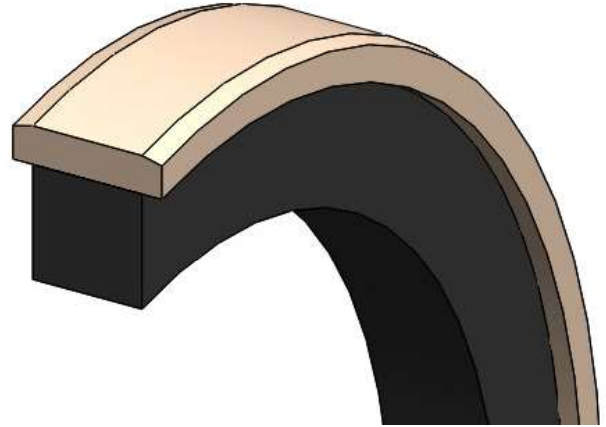
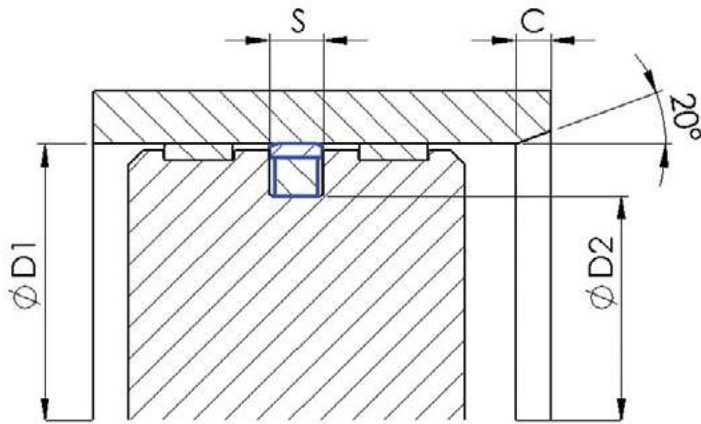
Chamfer 3.75 - 10.5
Radii 0.4 - 8 mm

Ordering Code:

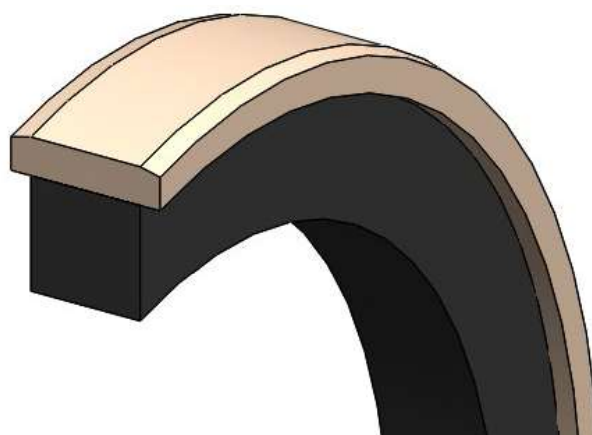
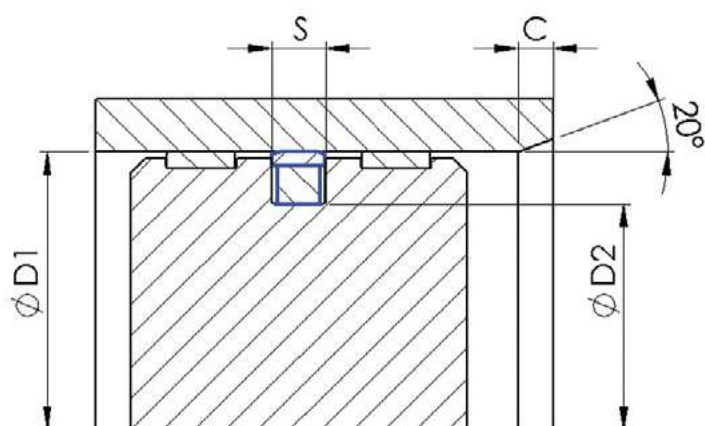
- Example For Temperature -30 to 100, And TUBE BORE 50mm PTR504045
- For Temperature -30 to 200, And TUBE BORE 50mm PTRV504045
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.



ØD1	ØD2	S	PART NO.
30	20.5	4.5	PTR3020545
31.5	22	4.5	PTR3152245
32	22.5	4.5	PTR3222545
35	25.5	4.5	PTR3525545
35.5	26	4.5	PTR3552645
40	30	4.5	PTR403045
45	35	4.5	PTR453545
50	40	4.5	PTR504045
55	45	4.5	PTR554545
56	46	4.5	PTR564645
60	50	4.5	PTR605045
63	48	7.5	PTR634875
65	50	7.5	PTR655075
69	54	7.5	PTR695475
70	55	7.5	PTR705575
71	56	7.5	PTR715675
75	60	7.5	PTR756075
80	65	7.5	PTR806575
85	70	7.5	PTR857075
90	75	7.5	PTR907575
95	80	7.5	PTR958075
100	85	7.5	PTR1008575
105	90	7.5	PTR1059075
108	92	7.5	PTR1089275
110	94	7.5	PTR1109475
112	96	7.5	PTR1129675
120	104	7.5	PTR12010475



ØD1	ØD2	S	PART NO.
125	109	7.5	PTR12510975
130	114	7.5	PTR13011475
135	119	7.5	PTR13511975
140	124	7.5	PTR14012475
145	129	7.5	PTR14512975
150	134	7.5	PTR15013475
155	139	7.5	PTR15513975
160	144	7.5	PTR16014475
170	148	11	PTR17014811
180	158	11	PTR18015811
190	168	11	PTR19016811
200	178	11	PTR20017811
204	182	11	PTR20418211
210	188	11	PTR21018811
215	193	11	PTR21519311
220	198	11	PTR22019811
224	202	11	PTR22420211
225	203	11	PTR22520311
230	208	11	PTR23020811
240	218	11	PTR24021811
250	228	11	PTR25022811
260	236	12	PTR26023612
270	246	12	PTR27024612
280	256	12	PTR28025612
290	266	12	PTR29026612
300	276	12	PTR30027612
310	286	12	PTR31028612



ØD1	ØD2	S	PART NO.
320	296	12	PTR32029612
330	308	10	PTR33030810
360	336	12	PTR36033612
400	376	12	PTR40037612
485	455	15	PTR48545515
500	470	15	PTR50047015
550	515	17.5	PTR550515175
600	570	15	PTR60057015
650	620	15	PTR65062015
720	690	15	PTR72069015
800	785	13	PTR80078513
900	870	25	PTR90087025
930	890	20	PTR93089020
935	920	13	PTR93592013
950	925	18	PTR95092518
1000	960	20	PTR100096020
1060	1020	20	PTR1060102020
1120	1080	20	PTR1120108020
1150	1110	20	PTR1150111020
1180	1130	20	PTR1180113020
1210	1170	20	PTR1210117020
1250	1210	20	PTR1250121020
1260	1220	20	PTR1260122020
1400	1350	20	PTR1400135020
1500	1460	20	PTR1500146020
1650	1600	25	PTR1650160025