

Design

The AB seals TSR, sealing is used to seal piston rod. The TSR seal consists of 2 parts, an external sealing ring or Polyurethane with sealing lips, and an internal slide ring of abrasion proof P.T.F.E. bronze compound with sealing edges. The slide rings surrounded by the sealing ring and moves axially in direct contact with the piston rod.



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	3.28 ft/sec
Temperature Range	-35 to +100	-22F + 212F
Maximum Pressure	450 bar	10150 P.S.I
Operating Fluid	Standard hydraulic oils	

MATERIAL

- Main seal- PTB4 / PTB6
- Polyurethane PUA/PUB / PUAB/PU95

APPLICATION

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

Maximum Extrusions Gap

Allowable Extrusion Gap is
0.5 to 1 mm

Surface Roughness

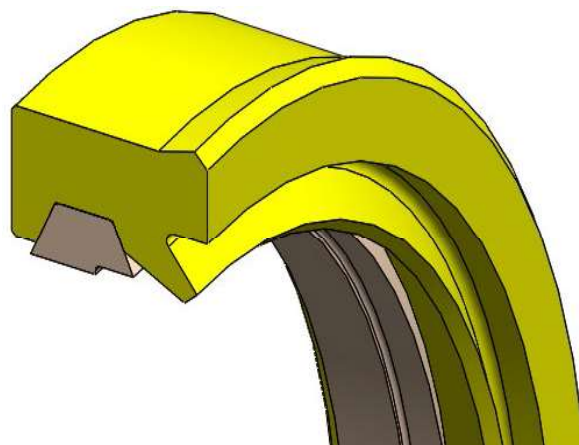
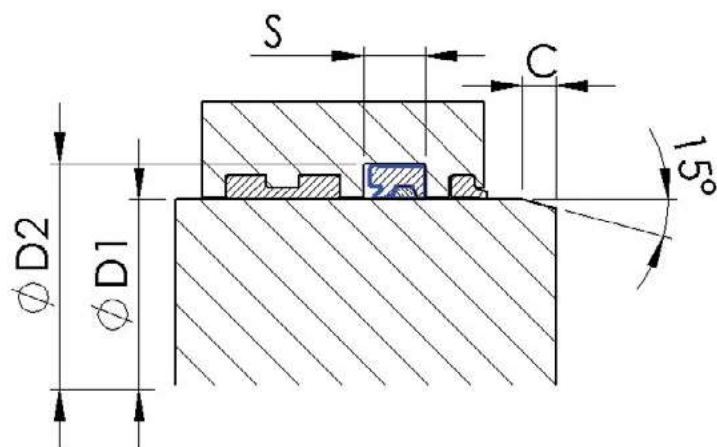
Technical details	Ra (um)	Rt (um)
Sliding Surface	0.1	1.5
Base Groove	0.8	6.3
Side Groove	3.2	16

Chamfers & Radii

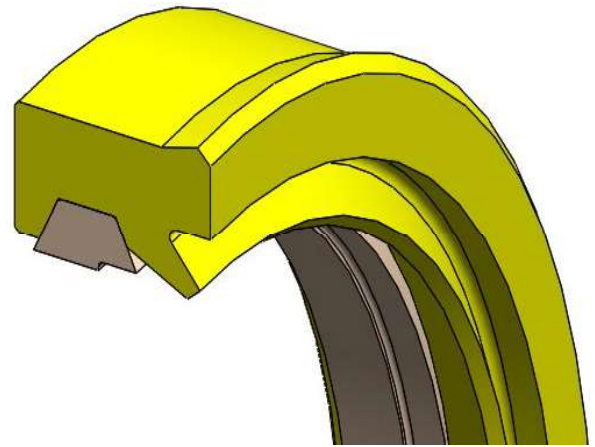
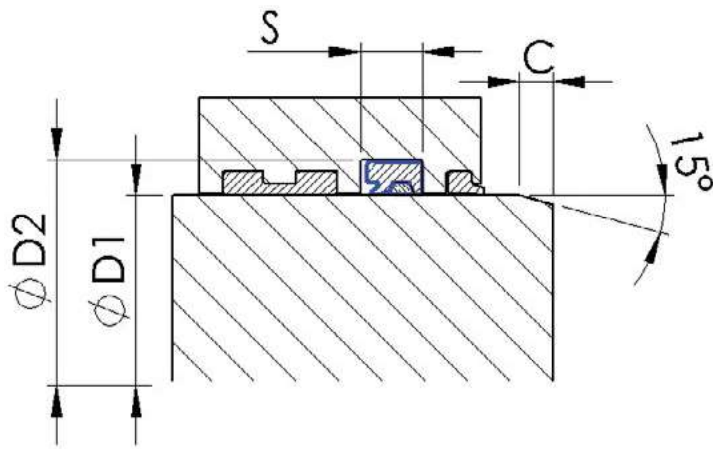
Chamfer 5 - 15 mm
Radii 0.4 - 8 mm

Ordering Code:

- Example For Temperature -35 to 100, And PISTON ROD DIA 50mm - TSR506011
- For Temperature -35 to 200, PISTON ROD DIA 50mm-TSRV506011
- 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.
20	28	7.5	TSR202875
22	30	7.5	TSR223075
25	33	7.5	TSR253375
28	36	7.5	TSR283675
30	38	7.5	TSR303875
32	40	7.5	TSR324075
35	43	7.5	TSR354375
36	44	8.5	TSR364485
40	48	8.5	TSR404885
45	55	11	TSR455511
50	60	11	TSR506011
55	65	11	TSR556511
56	71	13	TSR567113
60	75	13	TSR607513
63	78	13	TSR637813
65	80	13	TSR658013
70	85	13	TSR708513
75	90	13	TSR759013
80	95	13	TSR809513
82	97	13	TSR829713
85	100	13	TSR8510013
90	105	13	TSR9010513
100	115	13	TSR10011513
105	120	13	TSR10512013
110	125	13	TSR11012513
115	130	13	TSR11513013



ØD1	ØD2	S	PART NO.
120	140	14	TSR12014014
125	145	17	TSR12514517
140	160	17	TSR14016017
150	170	17	TSR15017017
160	180	17	TSR16018017
180	200	17	TSR18020017
190	210	17	TSR19021017
200	220	17	TSR20022017
220	240	17	TSR22024017
250	270	17	TSR25027017