

Design

The AB Seals BRI is precision molded in AB Seals high performance polyamide for maximum wear resistance and is designed to remove dirt and moisture from entering the cylinder.



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

OPERATING RANGE

Technical details	Metric	Inch
Maximum Speed	3m/sec	9.84 ft/sec
Temperature Range	-55 to 120	-50 to 230F
Maximum Pressure	-	-
Operating Fluid	Standard hydraulic oils	

MATERIAL

• POLYAMIDE-PGF30

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

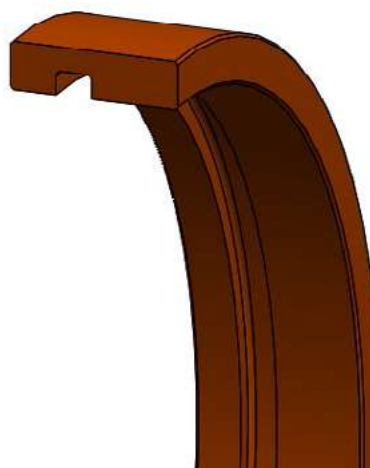
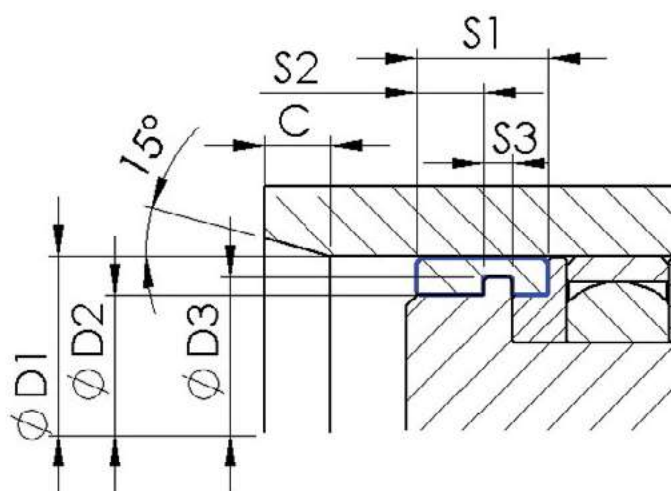
Technical details	Ra (um)	Rt (um)
Sliding Surface	0.3	1.5
Base Groove	0.8	6.3
Side Groove	3.2	15

Chamfers & Radii

Chamfer 4 – 10 mm
Radii 0.4 – 0.8 mm

Ordering Code:

- Example For Temperature -55 to 120, And PISTON ROD DIA 50mm BRO504212
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.



ØD1	ØD2	S1	ØD3	S3	S2	PART NO.
40	32	12	36	3.5	4.7	BRO403212
45	37	12	41	3	4.7	BRO453712
50	42	12	46	3	6.2	BRO504212
60	52	12	56	3	6.2	BRO605212
63	55	12	59	3	6.2	BRO635512
65	57	12	61	3	6.2	BRO655712
70	62	12	66	3	6.2	BRO706212
75	67	12	71	3	6.2	BRO756712
80	72	14	76	3	7.2	BRO807214
90	82	14	86	3	7.2	BRO908214
95	87	14	91	3	7.2	BRO958714
100	92	14	96	3	7.2	BRO1009214
110	102	14	106	3	7.2	BRO11010214
115	107	14	111	3	7.2	BRO11510714
120	112	14	116	3	7.2	BRO12011214
125	115	17.5	121	4	9.2	BRO125115175
130	120	17.5	126	4	9.2	BRO130120175
140	130	17.5	136	4	9.2	BRO140130175
150	140	17.5	146	4	9.2	BRO150140175
160	150	17.5	156	4	9.2	BRO160150175
165	155	20	161	4	9.2	BRO16515520
170	160	20	166	4	9.2	BRO17016020
180	170	20	176	4	9.2	BRO18017020
200	190	20	196	4.5	11.7	BRO20019020
210	200	25	206	8	11.7	BRO21020025
220	210	25	216	8	11.7	BRO22021025
250	240	33	246	15	11.7	BRO25024033
260	250	33	256	15	11.7	BRO26025033
280	270	33	276	15	11.7	BRO28027033
300	290	33	296	15	11.7	BRO30029033
350	338	35	344	8.5	13.25	BRO35033835
400	388	35	394	8.5	13.25	BRO40038835