

Design

The AB Seals FRPR is low friction and high wear resistant fabric reinforced polymer bearing strip comes in roll form and also available in ready cut to length. Actual bearing diameter and groove dimension require for exact fitting.



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

- POLYSTER FABRIC & RESIN

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

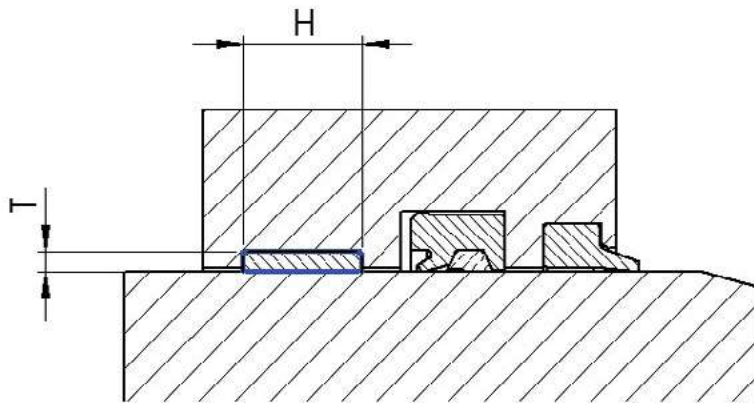
Technical details	Ra (um)	Rt (um)
Sliding Surface	0.3	1.5
Base Groove	0.8	6.3
Side Groove	3.2	15

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, FOR WIDTH & THICK 9.7 & 2.5MM FRPR505597
- For information about other material options available, please contact your local AB Seals office.
- For Requirement of other sizes contact us.


CROSS SECTION (H X T)

5.6 X 2

6 X 2

8 X 2

9.7 X 2

14.8 X 2

20 X 2

24.5 X 2

30 X 2

5.6 X 2.5

6 X 2.5

8 X 2.5

9.7 X 2.5

12 X 2.5

12.5 X 2.5

14.8 X 2.5

18 X 2.5

19.5 X 2.5

24.5 X 2.5

29.5 X 2.5

9.7 X 3

14.8 X 3

20 X 3

24.5 X 3

29.5 X 3

9.52 X 3.17

12.7 X 3.17

19.05 X 3.17

25.4 X 3.17

OD RANGE

10MM - AS PER REQUIREMENT

GROOVE WIDTH
 $H + 0.2$
GROOVE DEPTH
 $T + .05$
EXTRUSION GAP

0.2 - 0.4

CUT GAP

1 - 2MM (OD 10 - 100MM)

1 - 3MM (OD 100 - 200MM)

1 - 4MM (OD 200 - 500MM)