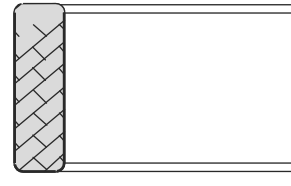


SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

**WEAR /
GUIDE RING**

WRFRPR



Features:

Guide ring WRFRPR is a pre-molded ring ready to the size.

Composition:

Material	Polyester fabric with polyester resin + PTFE
Code	WRFRPR

Properties:-

- 1 High load bearing capacity.
- 1 Low friction , free of stick slip
- 1 High abrasion resistance.
- 1 Low wear and high extrusion resistance.
- 1 Resistance against cold flow .

Application:

- Ø Mobile Hydraulics
- Ø Injection moulding machines
- Ø Machine tools
- Ø Material Handling Equipments
- Ø Standard cylinders

General Technical Data:

Temp. range - 20°C to +100°C

Operating limit:

Ultimate compressive strength	360 N/mm ²
Load bearing capacity	120 N/mm ² at 20 °C
	80 N/mm ² at 60 °C
	63 N/mm ² at 120 °C
	(permitted specific surface pressing*)

* The permissible load of the guide strip is calculated from the projected area multiplied by the permissible specific surface pressing. The non linear contact pressure distribution, produces by the load with relation to temperature and tolerances, is taken into account in the value of the permissible load.

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Surface finish:

Roughness depth	R(max)	Ra
Sliding surface	£ 2.5 µm	0.05-0.3 µm
Bottom of groove	£ 6.3 µm	£ 1.6 µm
Side of groove	£ 15 µm	£ 3µm

Gap dimension:

The radial clearance S min controls the minimum metal to metal clearance between the gland and rod or bore and piston. S max control the maximum extrusion gap seen by a seal associated with the guide ring.

The radial clearance S and the given tolerances are guidelines. Use of the guide and tolerances are to be designed in accordance with the used seal. The radial clearance S given in the table of dimensions is to be seen exclusively as reference to the guide ring. The corresponding diameter of the seal housing is to be adjusted to the sealing component. The cut gap Z arising after fitting is necessary due to thermal expansion. The cut gap Z arising after fitting is necessary due to thermal expansion.

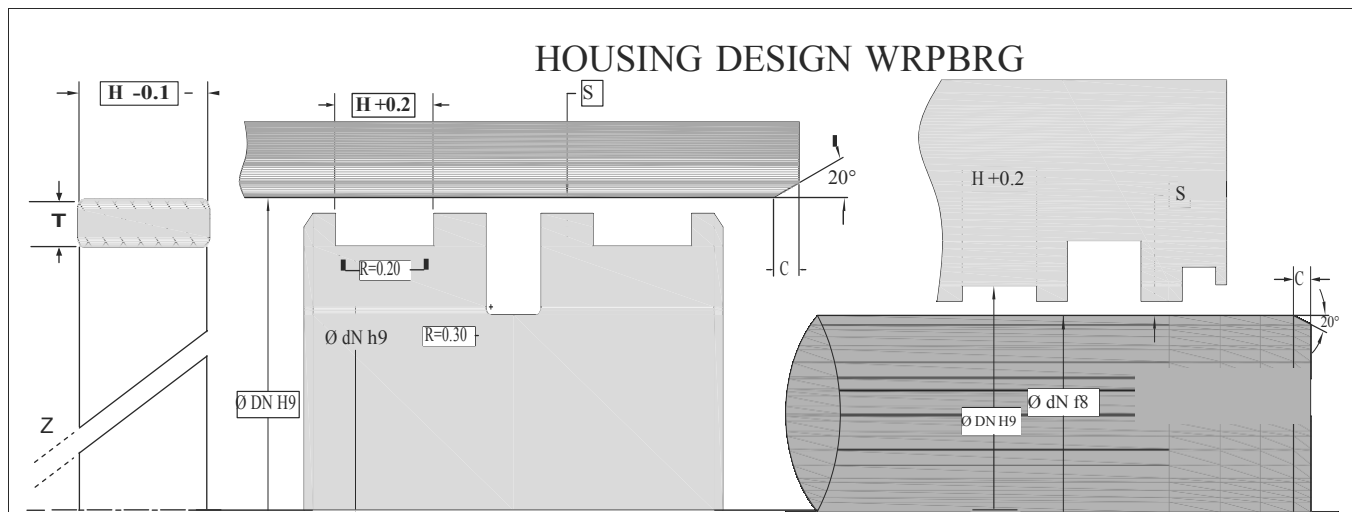
Installation:

Careful fitting of the Guide ring is a prerequisite for it's perfect functioning.

We have given all metric(mm) sizes here. For Imperial (inch) sizes please contact SHREENATHJI at info@shreenathjiandco.com

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OUR STANDARD SIZE LIST

CROSS SECTION (H X T)	USE UP TO DIA RANGE (MM) ØDN H9	GROOVE DIA(MM) ØdN h8	GROOVE WIDTH (MM) H +0.2	S(MAX.)	CUT GAP Z	ORDER CODE Example for ØDN=090 and cross section 05.60 X2.50 WRFPR-090-0560-250
05.60 X 2.50	20-140	ØDN-5.00	5.60	0.40	1.0-3.0	WRFPR-ØDN-0560-250
06.00 X 2.00	20-60	ØDN-4.00	6.00	0.30	1.0-2.0	WRFPR- ØDN -0600-200
06.00 X 2.50	25-140	ØDN-5.00	6.00	0.40	1.0-3.0	WRFPR- ØDN -0600-250
06.00 X 4.00	70-200	ØDN-8.00	6.00	0.50	2.0-3.5	WRFPR-ØDN-0600-400
06.00 X 4.50	100-200	ØDN-9.00	6.00	0.50	2.5-4.0	WRFPR-ØDN-0600-450
08.00 X 2.00	25-80	ØDN-4.00	8.00	0.30	1.0-3.0	WRFPR-ØDN-0800-200
08.00 X 2.50	30-160	ØDN-5.00	8.00	0.40	1.0-3.0	WRFPR-ØDN-0800-250
08.00 X 4.00	100-300	ØDN-8.00	8.00	0.50	2.0-4.0	WRFPR-ØDN-0800-400
09.50 X 3.17	60-300	ØDN-6.35	9.50	0.40	2.0-3.5	WRFPR-ØDN-0950-317
09.50 X 4.00	120-300	ØDN-8.00	9.50	0.50	2.0-4.0	WRFPR-ØDN-0950-400
09.70 X 2.50	40-160	ØDN-5.00	9.70	0.40	2.0-3.5	WRFPR-ØDN-0970-250
10.00 X 2.00	40-100	ØDN-4.00	10.00	0.30	2.0-3.5	WRFPR-ØDN-1000-200
12.50 X 2.50	50-180	ØDN-5.00	12.50	0.40	2.0-3.5	WRFPR-ØDN-1250-250
12.70 X 3.17	50-200	ØDN-6.35	12.70	0.50	2.0-3.5	WRFPR-ØDN-1270-317
15.00 X 2.50	60-200	ØDN-5.00	15.00	0.40	2.0-3.5	WRFPR-ØDN-1500-250
15.00 X 4.00	160-300	ØDN-8.00	15.00	0.50	3.0-5.0	WRFPR-ØDN-1500-400
15.85 X 3.17	60-250	ØDN-6.35	15.85	0.50	2.0-4.0	WRFPR-ØDN-1585-317
19.05 X 3.17	80-300	ØDN-6.35	19.05	0.50	2.0-4.0	WRFPR-ØDN-1905-317
20.00 X 2.00	50-180	ØDN-4.00	20.00	0.30	2.0-3.5	WRFPR-ØDN-2000-200
20.00 X 2.50	80-300	ØDN-5.00	20.00	0.40	2.0-3.5	WRFPR-ØDN-2000-250
20.00 X 3.20	100-300	ØDN-6.40	20.00	0.50	2.0-4.0	WRFPR-ØDN-2000-320
25.00 X 2.50	100-300	ØDN-5.00	25.00	0.40	3.0-5.0	WRFPR-ØDN-2500-250
25.40 X 3.17	100-300	ØDN-6.35	25.40	0.50	3.0-5.0	WRFPR-ØDN-2540-317
30.00 X 2.00	100-225	ØDN-4.00	30.00	0.30	3.0-5.0	WRFPR-ØDN-3000-200
30.00 X 2.50	100-300	ØDN-5.00	30.00	0.40	3.0-6.0	WRFPR-ØDN-3000-250

Guide rings in pre-molded form can be provided up to Ø300 mmz thickness up to 10mm & height (L) up to 150mm