

SHREENATHJI & CO.

SEALS FOR HYDRAULICS & PNEUMATICS

**WEAR /
GUIDE RING**

WRPAGF



Features:

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

Composition:

Material	40% Glass Fibre Filled Polyamide 6
Code	PG6040

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 - 55°C to 140°C

Operating limit:

Ultimate compressive strength	315 N/mm ²
Load bearing capacity	40 N/mm ² at 20 °C
	30 N/mm ² at 100 °C
	(Permitted specific surface pressing*)

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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:

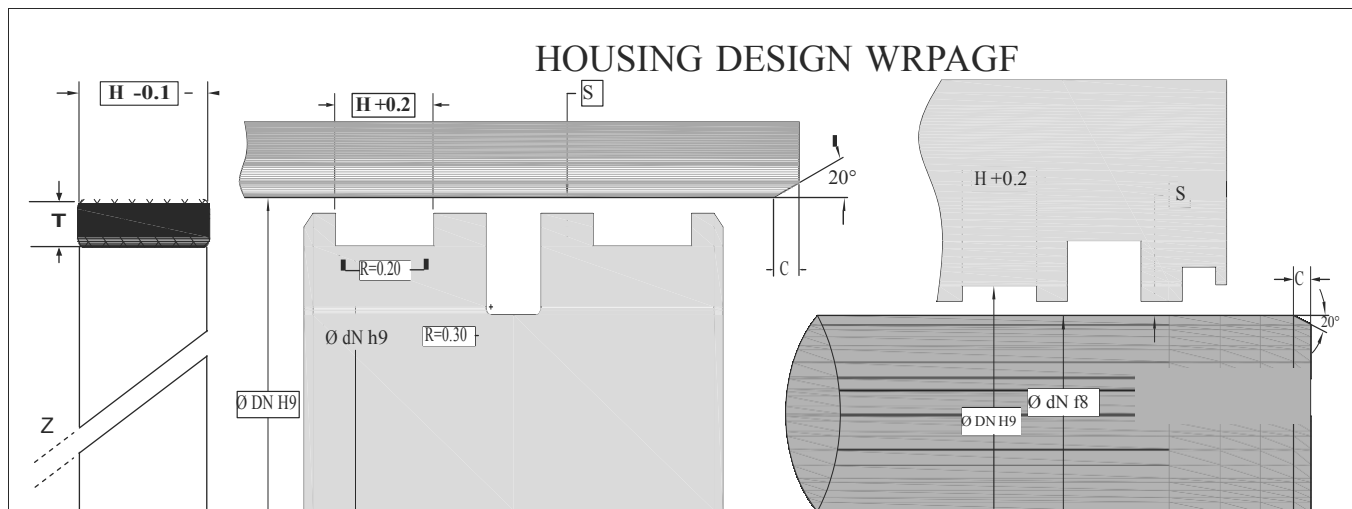
Careful fitting of the Guide ring is a prerequisite for it's perfect functioning.

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

DN	dN	H	S	CUT GAP Z (MIN)	ORDER CODE
40	35	5.6	0.3	2.5	WRPAGF-040-056-025
45	40	5.6	0.3	2.5	WRPAGF-045-056-025
50	45	5.6	0.3	2.5	WRPAGF-050-056-025
55	50	9.7	0.3	2.5	WRPAGF-055-097-025
60	55	9.7	0.3	2.5	WRPAGF-060-097-025
63	58	9.7	0.3	2.5	WRPAGF-063-097-025
65	60	9.7	0.3	2.5	WRPAGF-065-097-025
70	65	9.7	0.3	2.5	WRPAGF-070-097-025
75	70	9.7	0.3	2.5	WRPAGF-075-097-025
80	75	9.7	0.3	2.5	WRPAGF-080-097-025
90	85	9.7	0.3	2.5	WRPAGF-090-097-025
100	95	9.7	0.3	2.5	WRPAGF-100-097-025
110	105	9.7	0.3	2.5	WRPAGF-110-097-025
120	115	9.7	0.3	2.5	WRPAGF-120-097-025
125	120	9.7	0.3	2.5	WRPAGF-125-097-025
140	135	15	0.3	2.5	WRPAGF-140-150-025
160	155	15	0.3	2.5	WRPAGF-160-150-025
180	175	15	0.3	2.5	WRPAGF-180-150-025
200	195	15	0.3	2.5	WRPAGF-200-150-025

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