



Technical Details

Metric

Inch

DESIGN

Operating conditions		
Maximum speed	0.1 m/sec	0.3 ft/sec
Temperature range	-30°C + 80°C	-22°F + 76°F
Maximum pressure	350 Bar	5000 p.s.i

HRS is a rotary pressure seal that is designed specifically for use in hydraulic swivel joints. Manufactured from high performance polyurethane, it provides ease of installation and has excellent sealing characteristics.

Surface roughness

	µmRa	µmRt	µinCLA	µinRMS
Dynamic sealing surface Ød ₁	0.1 - 0.4	4 max	4 - 16	5 - 18
Static sealing face ØD ₁	1.6 max	10 max	63 max	70 max
Static Housing faces L ₁	3.2 max	16 max	125 max	140 max

FEATURES

- Long life
- Easy installation
- Comes in a wide range of sizes

MATERIAL

Seal design comes in a variety of materials and sizes. For more information, please refer to MSDS datasheet.

Chamfers & Radii

Seal diameter ≤ S mm	5.2
Min chamfer C mm	2.4
Max fillet rad r ₁ mm	0.4

APPLICATIONS

Light to medium duty applications

Tolerances

Ød ₁	ØD ₁	ØD ₂	L ₁ mm
f8	H10	H8	+0.3 - 0