



Technical Details

Metric

Inch

| Operating conditions | | |
|----------------------|--------------|--------------|
| Maximum speed | 1.0 m/sec | 3.0 ft/sec |
| Temperature range | -30°C + 80°C | -22°F + 76°F |
| Maximum pressure | 350 Bar | 5000p.s.i |

DESIGN

HR16M 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 $\varnothing D_1$ | 0.1 - 0.4 | 4 max | 4- 16 | 5 - 18 |
| Static sealing face $\varnothing d_1$ | 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

Chamfers & Radii

| | |
|----------------------------|-----|
| Groove section $\leq S$ mm | 5.2 |
| Min chamfer C mm | 2.4 |
| Max fillet rad r_1 mm | 0.4 |

MATERIAL

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

Tolerances

| $\varnothing d_1$ | $\varnothing D_1$ | L_1 mm | L_1 in |
|-------------------|-------------------|----------|----------|
| f8 | H10 | H8 | +0.3 - 0 |

APPLICATIONS

Light to medium duty applications