



ROD SEALS BECA 310/B



DESCRIPTION

The BECA 310/B profile is a U-ring type single acting compact rod seal with matching lips, symmetrical lips and a second sealing lip, and is composed of a very dense polyurethane body. It can be assembled in a groove according to standard ISO 5597.

ADVANTAGES

Good sealing at both high and low pressures
Excellent abrasion resistance

APPLICATIONS

Mobile hydraulics
Material handling - Lifting
Presses
Hydraulic cylinders

MATERIALS

PU 93 Shore A - Blue
PU 96 Shore A - Blue
High temp. PU 96 Shore A - Beige

Other grades of materials are available.
Please contact our experts.

TECHNICAL DATA

| | |
|-------------|------------------------|
| Temperature | -30°C / +110°C |
| Pressure | 40 MPa |
| Speed | 0.5 m/sec |
| Media | Mineral hydraulic oils |

The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

EXTRUSION GAPS

| Rod diameter Ød1 | Radial gap F/2 | | | | |
|---------------------|-------------------|----------|----------|----------|----------|
| | ≤ 5 MPa | ≤ 10 MPa | ≤ 20 MPa | ≤ 30 MPa | ≤ 40 MPa |
| ≤ 60 mm | 0.40 | 0.30 | 0.20 | 0.15 | 0.10 |
| > 60 mm | 0.50 | 0.40 | 0.30 | 0.20 | 0.15 |

SURFACE ROUGHNESS

| Roughness | Dynamic surface area | Static surface area | Groove flanks |
|-----------|----------------------|---------------------|---------------|
| Ra | 0.1 - 0.4 µm | ≤1.6 µm | ≤3.2 µm |
| Rz | 0.63 - 2.5 µm | ≤6.3 µm | ≤10.0 µm |
| Rmax | 1.0 - 4.0 µm | ≤10.0 µm | ≤16.0 µm |

CHAMFERS AND RADIUS

| Radial section S | Radius R1 | Radius R2 | Chamfer C |
|---------------------|--------------|--------------|--------------|
| 3.00 | 0.40 | 0.60 | 2.50 |
| 4.00 | 0.40 | 0.60 | 2.50 |
| 5.00 | 0.40 | 0.60 | 2.50 |
| 7.50 | 0.80 | 1.00 | 4.00 |

