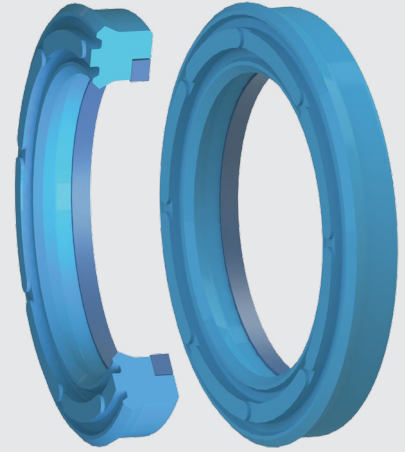


ROD SEALS BECA 315



DESCRIPTION

The BECA 315 profile is a single acting buffer rod seal composed of a profiled polyurethane triple lip seal and a POM back-up ring on the back.

ADVANTAGES

- Primary seal
- Low friction coefficient
- Excellent abrasion resistance
- Excellent extrusion resistance

APPLICATIONS

- Agriculture
- Mobile machinery
- Injection presses
- Hydraulic cylinders

MATERIALS

Profiled seal

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

Back-up ring

- Polyoxymethylene - POM

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

TECHNICAL DATA

Temperature	-30°C / +110°C
Pressure	40 MPa (peak at 60 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

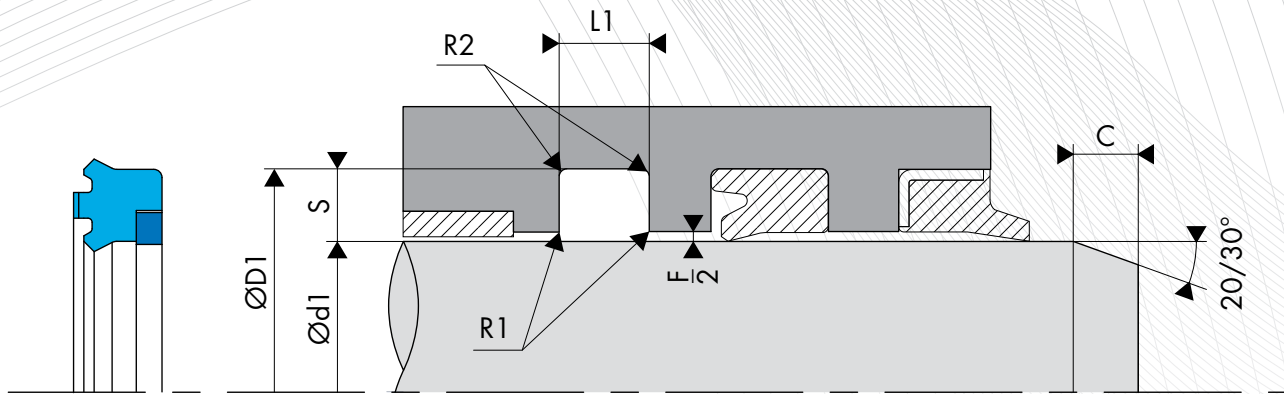
Radial section S	Radial gap F/2			
	15 MPa	25 MPa	30 MPa	40 MPa
≤ 7.75	0.60	0.50	0.40	0.35
≤ 10.00	0.70	0.60	0.50	0.40

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
7.50 - 7.75	0.80	1.00	4.00
10.00	0.80	1.00	5.00



DIMENSIONS

Part number	Rod diameter Ød1 f8	Groove diameter ØD1 H10	Seal height H1	Groove width L1 0/+0.25
315.0560719	56.00	71.00	8.50	9.50
315.0650806	65.00	80.50	6.00	6.30
315.0700852	70.00	85.00	12.50	13.50
315.0700859	70.00	85.00	8.50	9.50
315.0750906	75.00	90.50	6.00	6.30
315.0750909	75.00	90.00	9.50	10.50

Part number	Rod diameter Ød1 f8	Groove diameter ØD1 H10	Seal height H1	Groove width L1 0/+0.25
315.0800953	80.00	95.00	12.50	13.50
315.0800956	80.00	95.00	6.00	6.30
315.0800959	80.00	95.00	8.50	9.50
315.0901059	90.00	105.00	8.50	9.50
315.0951107	95.00	110.00	6.00	7.00
315.1001201	100.00	120.00	11.50	12.50

The figures highlighted in bold correspond to the dimensions for standard ISO 5597, with the rod diameters in line with standard ISO 3320. Other intermediate sizes can be provided.