



ROD SEALS

BECA 230/AE



DESCRIPTION

The BECA 230/AE profile is a rubber U-ring type single acting rod seal with offset lips, with a filled PTFE or POM back-up ring.

ADVANTAGES

- Optimised sealing effect
- Excellent resistance to high temperatures depending on the type of material chosen
- Good extrusion resistance
- Assembly by deformation in closed groove

APPLICATIONS

- Mobile hydraulics
- Machine tools
- Presses
- Standard cylinders

MATERIALS

Profiled seal

- NBR 70 Shore A
- NBR 85 Shore A
- FKM 85 Shore A

Back-up ring

- Polyoxymethylene - POM
- Bronze-filled PTFE

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

TECHNICAL DATA

Temperature	-30°C / +200°C
Pressure	25 MPa
Speed	0.5 m/sec
Media	Mineral hydraulic oils Fire-resistant liquids Biocompatible fluids Water Others (contact our experts)

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

EXTRUSION GAPS

Pressure MPa	Radial gap F/2
2.5 MPa	0.45
5.0 MPa	0.35
7.5 MPa	0.30
10.0 MPa	0.25
15.0 MPa	0.20
25.0 MPa	0.10

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
3.50	0.20	0.40	2.00
5.00	0.40	0.60	2.50
7.50	0.80	1.00	4.00
10.00	0.80	1.00	5.00

