



# PISTON SEALS

## BECA 335P/AE



### DESCRIPTION

The BECA 335P/AE profile is a polyurethane U-ring type single acting piston seal with matching lips and a POM back-up ring.

### ADVANTAGES

- Optimised sealing effect
- Excellent abrasion resistance
- Very good extrusion resistance
- Very good wear resistance

### APPLICATIONS

- Agriculture
- Mobile machinery
- Lifting systems
- 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	45 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

Bore diameter ØD1	Radial extrusion gap F/2					
	≤ 5 MPa	≤ 10 MPa	≤ 20 MPa	≤ 30 MPa	≤ 40 MPa	≤ 45 MPa
≤ 60 mm	0.40	0.30	0.20	0.15	0.10	0.07
> 60 mm	0.50	0.40	0.30	0.20	0.15	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
3.00	0.20	0.40	2.00
4.00	0.20	0.40	2.50
5.00	0.40	0.60	3.00
7.50	0.80	1.00	4.00
10.00	0.80	1.00	5.00

