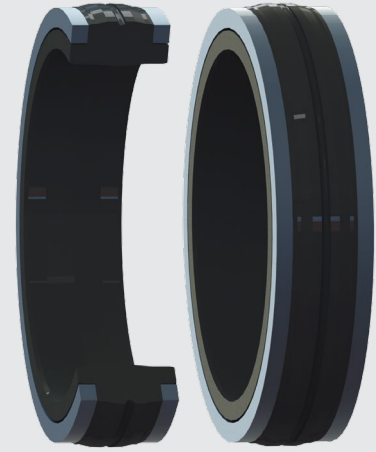


# PISTON SEALS

## BECA 560



### DESCRIPTION

The BECA 560 profile is a high-performing, double acting compact piston seal composed of a flexible rubber ring and two POM back-up rings as standard.

### ADVANTAGES

- Good sealing effect
- Excellent extrusion resistance
- Excellent wear resistance
- Reliable sealing for significant and sudden pressure variations
- Assembled by deformation

### APPLICATIONS

- Agriculture
- Mobile machinery
- Hydraulic cylinders

### MATERIALS

#### Flexible ring

- NBR 80 Shore A
- FKM 80 Shore A

#### Back-up rings

- Polyoxymethylene (POM)
- Bronze-filled PTFE

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

### TECHNICAL DATA

Temperature	-30°C / +200°C
Pressure	40 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

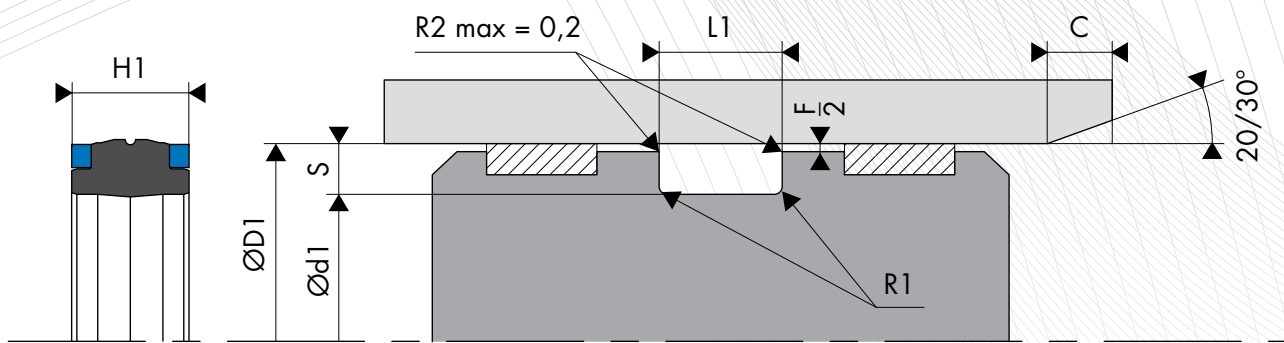
Pressure MPa	Radial gap F/2
25 MPa	0.30
35 MPa	0.20
40 MPa	0.15

### 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	Chamfer C
8.00	0.20	5.00
10.00	0.30	6.00



**DIMENSIONS**

Part number	Bore diameter ØD1 H11	Groove diameter Ød1 h9	Seal height H1	Groove width L1 0/+0.20
<b>560.1040AK8</b>	<b>40.00</b>	<b>24.00</b>	<b>18.00</b>	<b>18.40</b>
<b>560.1110AK8</b>	<b>110.00</b>	<b>90.00</b>	<b>22.00</b>	<b>22.40</b>
560.1115AK8	115.00	90.00	22.00	22.30
560.1120AK8	120.00	95.00	22.00	22.40
560.1130AK8	130.00	105.00	25.00	25.30
<b>560.1050AK8</b>	<b>50.00</b>	<b>34.00</b>	<b>18.00</b>	<b>18.40</b>
560.1055AK8	55.00	39.00	18.00	18.40

Part number	Bore diameter ØD1 H11	Groove diameter Ød1 h9	Seal height H1	Groove width L1 0/+0.20
560.1060AK8	60.00	44.00	18.00	18.40
560.1070AK8	70.00	50.00	22.00	22.40
<b>560.1080AK8</b>	<b>80.00</b>	<b>60.00</b>	<b>22.00</b>	<b>22.40</b>
<b>560.1090AK8</b>	<b>90.00</b>	<b>70.00</b>	<b>22.00</b>	<b>22.40</b>
560.1095AK8	95.00	75.00	22.00	22.30
<b>560.1100AK8</b>	<b>100.00</b>	<b>75.00</b>	<b>22.00</b>	<b>22.40</b>

The figures highlighted in bold correspond to the bore diameters that are recommended by standard ISO 3320. Other intermediate sizes can be provided.