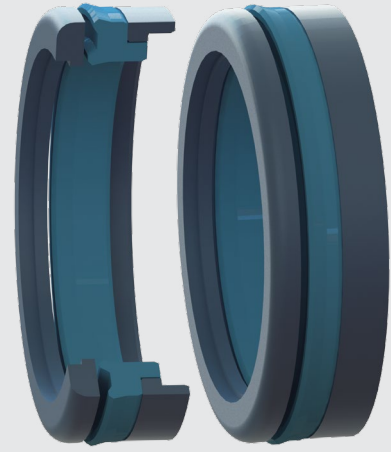


PISTON SEALS

BECA 572



DESCRIPTION

The BECA 572 profile is a high-performing, single acting compact piston seal composed of a stop joint, POM wear/back-up ring and profiled polyurethane seal.

ADVANTAGES

- Excellent wear resistance
- Excellent extrusion resistance
- Excellent resistance to high pressures

APPLICATIONS

- Agriculture
- Mobile machinery
- Hydraulic cylinders

MATERIALS

Profiled seal

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

Wear/back-up rings

Polyoxymethylene - POM

Retaining ring

Polyoxymethylene - POM

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

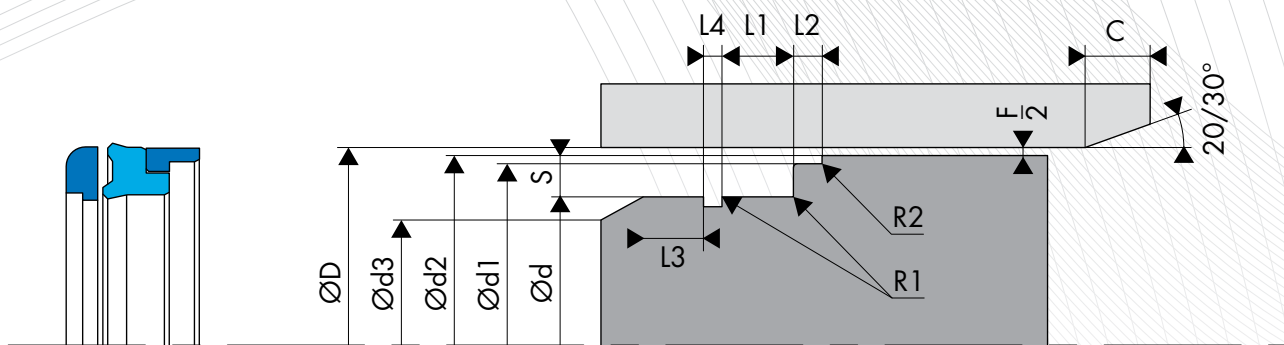
The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

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
6.00	0.20	0.20	3.00
7.50	0.20	0.20	4.00
10.00	0.30	0.30	5.00



DIMENSIONS

Part number	Bore diameter ØD1 H11	Groove dimensions							
		Ød ±0.15	Ød1 -0.10/0	Ød2 ±0.15	Ød3 -0.25/0	L1 ±0.10	L2 ±0.15	L3	L4 +0.10/+0.20
572.0032AP9	32.00	20.00	28.00	31.00	-	10.00	6.40	-	-
572.0090AP9	90.00	70.00	84.20	88.30	65.60	14.50	6.40	6.50	3.30
572.0100AP9	100.00	80.00	93.20	98.30	75.60	14.50	6.40	6.50	3.30
572.0105AP9	105.00	85.00	98.20	103.30	80.60	14.50	6.40	6.50	3.30
572.0035AP9	35.00	23.00	31.00	34.00	-	10.00	6.40	-	-
572.0040AP9	40.00	28.00	35.40	38.70	23.60	10.00	6.40	6.00	3.10
572.0050AP9	50.00	30.00	44.20	48.30	25.60	14.50	6.40	6.50	3.30
572.0060AP9	60.00	40.00	54.20	58.30	35.60	14.50	6.40	6.50	3.30
572.0063AP9	63.00	48.00	57.20	61.30	38.60	11.00	6.40	-	-
572.0065AP9	65.00	45.00	59.20	63.30	40.60	14.50	6.40	6.50	3.30
572.0070AP9	70.00	50.00	64.20	68.30	45.60	14.50	6.40	6.50	3.30
572.0080AP9	80.00	60.00	74.20	78.30	55.60	14.50	6.40	6.50	3.30

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