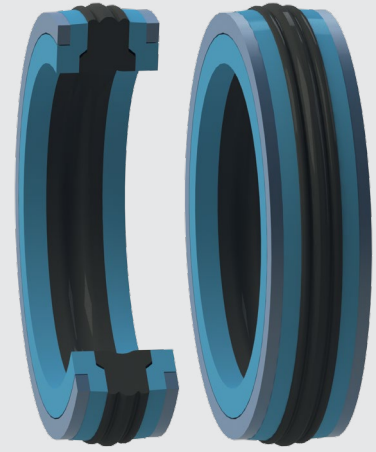


PISTON SEALS

BECA 579



DESCRIPTION

The BECA 579 profile is a high-performing, double acting compact piston seal composed of a flexible rubber ring, two polyurethane back-up rings and two POM wear rings.

ADVANTAGES

- Good sealing effect
- Excellent extrusion resistance
- Excellent wear resistance
- Reliable sealing for significant and sudden pressure variations
- Assembly in closed groove, reduced machining costs

APPLICATIONS

- Agriculture
- Mobile machinery
- Hydraulic cylinders

MATERIALS

Profiled seal

NBR 80 Shore A

Back-up rings

Polyurethane 97 Shore A

Wear rings

Polyoxymethylene - POM

TECHNICAL DATA

Temperature	-30°C / +100°C
Pressure	50 MPa
Speed	0.5 m/sec
Media	Mineral hydraulic oils

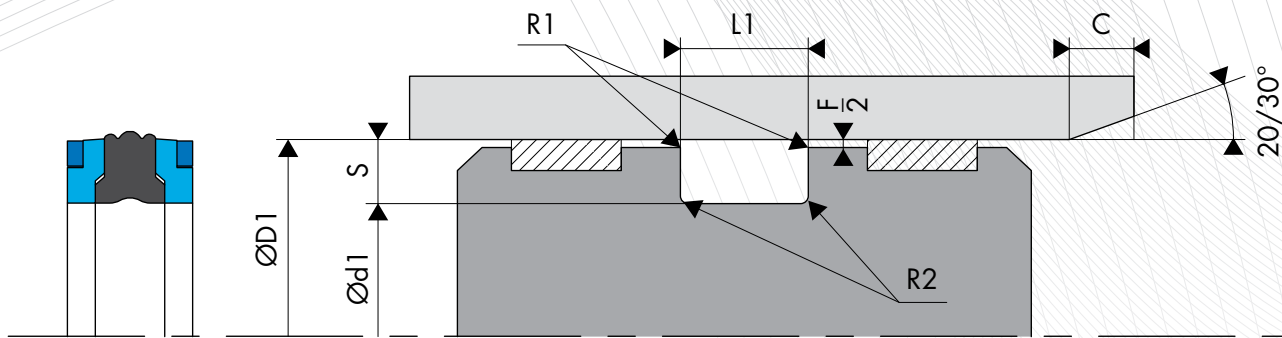
The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

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
4.00	0.40	0.40	2.50
5.00	0.40	0.40	3.00
6.00	0.40	0.40	3.00
7.50	0.40	0.40	4.00
8.50	0.40	0.40	5.00
10.00	0.80	0.80	6.00
15.00	0.80	0.80	8.00



DIMENSIONS

Part number	Bore diameter ØD1 H9	Groove diameter Ød1 h9	Groove width L1 0/+0.20
579.0020AK8	20.00	11.00	13.50
579.0032AK8	32.00	22.00	15.50
579.1032AK8	32.00	22.00	16.40
579.0035AK8	35.00	25.00	15.50
579.1035AK8	35.00	25.00	16.40
579.0040AK8	40.00	24.00	18.40
579.4040AK8	40.00	26.00	15.50
579.2040AK8	40.00	30.00	12.50
579.3040AK8	40.00	30.00	12.50
579.1040AK8	40.00	30.00	16.40
579.0042AK8	42.00	28.00	15.50
579.0022AK8	22.00	13.00	13.50
579.0045AK8	45.00	29.00	18.40
579.1045AK8	45.00	31.00	15.50
579.2045AK8	45.00	35.00	16.40
579.0050AK8	50.00	34.00	18.40
579.1050AK8	50.00	34.00	20.50
579.0055AK8	55.00	39.00	18.40
579.1055AK8	55.00	39.00	20.50
579.0056AK8	56.00	40.00	20.50
579.0060AK8	60.00	44.00	18.40
579.1060AK8	60.00	44.00	20.50
579.0025AK8	25.00	15.00	12.00
579.0063AK8	63.00	47.00	18.40
579.1063AK8	63.00	47.00	19.40
579.2063AK8	63.00	47.00	20.50
579.0065AK8	65.00	49.00	20.50
579.1065AK8	65.00	50.00	18.40
579.0070AK8	70.00	50.00	22.40
579.1070AK8	70.00	54.00	20.50
579.0075AK8	75.00	55.00	22.40
579.1075AK8	75.00	59.00	20.50
579.0080AK8	80.00	60.00	22.40
579.2025AK8	25.00	15.00	12.50
579.1080AK8	80.00	62.00	22.50
579.0085AK8	85.00	65.00	22.40
579.0090AK8	90.00	70.00	22.40
579.1090AK8	90.00	72.00	22.50
579.0095AK8	95.00	75.00	22.40
579.0100AK8	100.00	75.00	22.40
579.1100AK8	100.00	82.00	22.50
579.0105AK8	105.00	80.00	22.40
579.0110AK8	110.00	85.00	22.40
579.1110AK8	110.00	92.00	22.50
579.1025AK8	25.00	15.00	16.40
579.0115AK8	115.00	90.00	22.40

Part number	Bore diameter ØD1 H9	Groove diameter Ød1 h9	Groove width L1 0/+0.20
579.1115AK8	115.00	97.00	22.50
579.0120AK8	120.00	95.00	22.40
579.0125AK8	125.00	100.00	25.40
579.1125AK8	125.00	103.00	26.50
579.0130AK8	130.00	105.00	25.40
579.1130AK8	130.00	105.00	25.40
579.0133AK8	133.00	115.00	22.40
579.0135AK8	135.00	110.00	25.40
579.1135AK8	135.00	110.00	25.40
579.3025AK8	25.00	16.00	13.50
579.0140AK8	140.00	115.00	25.40
579.1140AK8	140.00	115.00	25.40
579.2140AK8	140.00	118.00	26.50
579.0145AK8	145.00	120.00	25.40
579.1145AK8	145.00	120.00	25.40
579.0150AK8	150.00	125.00	25.40
579.1150AK8	150.00	128.00	26.50
579.0152AK8	152.40	127.00	31.75
579.0155AK8	155.00	130.00	25.40
579.1155AK8	155.00	130.00	25.40
579.0028AK8	28.00	19.00	13.50
579.0160AK8	160.00	130.00	25.40
579.1160AK8	160.00	130.00	25.40
579.2160AK8	160.00	135.00	25.40
579.3160AK8	160.00	138.00	26.50
579.0165AK8	165.00	140.00	25.40
579.0170AK8	170.00	145.00	25.40
579.1170AK8	170.00	148.00	26.50
579.0175AK8	175.00	150.00	25.40
579.0180AK8	180.00	150.00	35.40
579.1180AK8	180.00	155.00	25.40
579.0030AK8	30.00	17.00	15.40
579.0185AK8	185.00	160.00	25.40
579.0190AK8	190.00	165.00	25.40
579.0195AK8	195.00	170.00	25.40
579.0200AK8	200.00	175.00	25.40
579.1200AK8	200.00	175.00	31.50
579.0210AK8	210.00	185.00	25.40
579.0220AK8	220.00	190.00	35.40
579.1220AK8	220.00	195.00	25.40
579.0230AK8	230.00	205.00	25.40
579.0240AK8	240.00	215.00	25.40
579.1030AK8	30.00	21.00	13.50
579.0250AK8	250.00	220.00	35.40
579.1250AK8	250.00	225.00	25.40

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