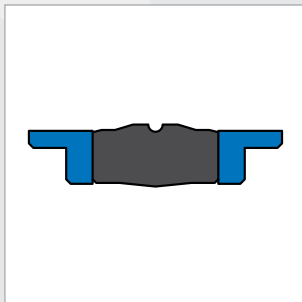
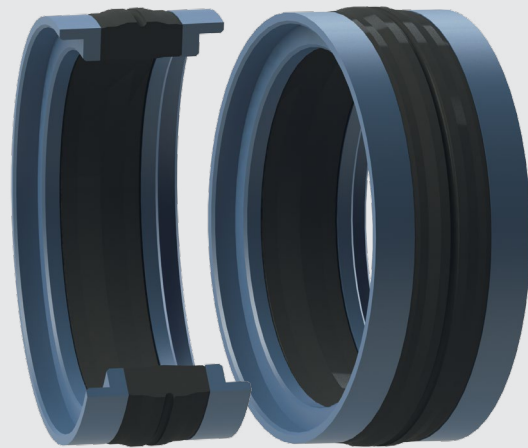




PISTON SEALS

BECA 570



DESCRIPTION

The BECA 570 profile is a high-performing, double acting compact piston seal composed of a profiled rubber ring with special fibre reinforcements and a POM wear/back-up ring. It can be assembled in a groove according to standard ISO 6547.

ADVANTAGES

Good sealing effect
Excellent extrusion resistance
Excellent wear resistance
Reliable sealing for significant and sudden pressure variations

APPLICATIONS

Agriculture
Mobile machinery
Hydraulic cylinders

MATERIALS

Profiled seal

Fabric NBR

Wear/back-up rings

Polyoxymethylene - POM

TECHNICAL DATA

Temperature	-30°C / +110°C
Pressure	40 MPa
Speed	0.5 m/sec
Media	Mineral hydraulic oils Fire-resistant liquids Biocompatible fluids Water Others (contact our experts)

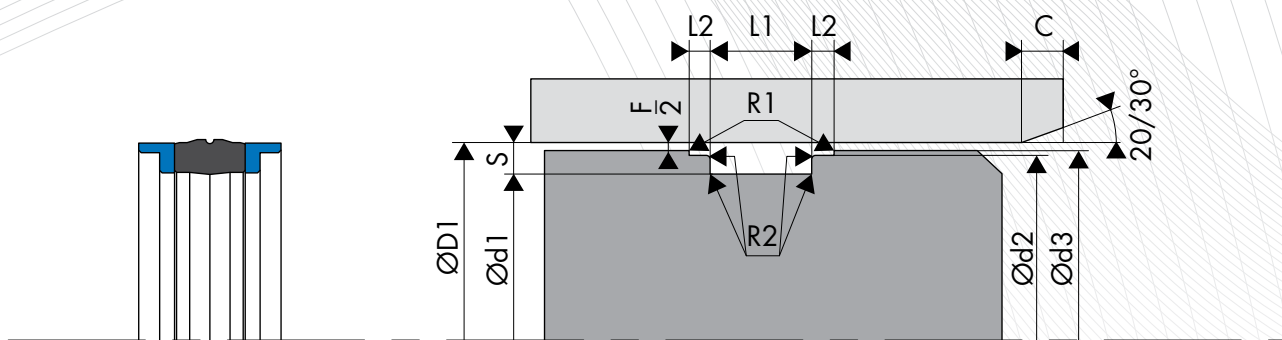
The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

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	Min. 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 H11	Groove dimensions					
		Ød1 h9	Ød2 h9	Ød3 h11	L1 0/+0.15	L2 0/+0.15	L3 0/+0.10
570.R025AF8	25.00	17.00	21.00	24.40	13.50	3.20	2.10
570.2040AF8	40.00	30.00	35.40	38.40	16.30	6.35	-
570.0040AF8	40.00	32.00	36.00	39.40	15.50	3.20	-
570.R040AF8	40.00	32.00	36.00	39.40	15.50	3.20	3.10
570.3040AF8	40.00	32.00	37.00	39.00	10.00	4.00	-
570.0045AF8	45.00	37.00	41.00	44.40	15.50	3.20	-
570.R045AF8	45.00	37.00	41.00	44.40	15.50	3.20	3.10
570.0050AF8	50.00	38.00	46.00	49.40	20.50	4.20	-
570.3050AF8	50.00	40.00	47.00	49.00	12.50	4.00	-
570.0055AF8	55.00	43.00	51.00	54.40	20.50	4.20	-
570.0060AF8	60.00	48.00	56.00	59.40	20.50	4.20	-
570.3025AF8	25.00	17.00	22.00	24.00	10.00	4.00	-
570.0063AF8	63.00	51.00	59.00	62.40	20.50	4.20	-
570.3063AF8	63.00	53.00	60.00	62.00	12.50	4.00	-
570.0065AF8	65.00	53.00	61.00	64.40	20.50	4.20	-
570.0070AF8	70.00	58.00	66.00	69.40	20.50	4.20	-
570.0075AF8	75.00	63.00	71.00	74.40	20.50	4.20	-
570.3080AF8	80.00	65.00	76.00	78.50	20.00	5.00	-
570.0080AF8	80.00	66.00	76.00	79.40	22.50	5.20	-
570.0085AF8	85.00	71.00	81.00	84.40	22.50	5.20	-
570.0090AF8	90.00	76.00	86.00	89.40	22.50	5.20	-
570.3100AF8	100.00	85.00	96.00	98.50	20.00	5.00	-
570.S030AF8	30.00	21.00	27.00	29.00	13.50	2.10	-
570.0100AF8	100.00	86.00	96.00	99.40	22.50	5.20	-
570.0110AF8	110.00	96.00	106.00	109.40	22.50	5.20	-
570.0120AF8	120.00	106.00	116.00	119.40	22.50	5.20	-
570.3125AF8	125.00	105.00	120.00	123.00	25.00	6.30	-
570.0125AF8	125.00	108.00	121.00	124.40	26.50	7.20	-
570.5130AF8	130.00	105.00	122.60	127.50	25.30	3.50	-
570.3140AF8	140.00	120.00	135.00	138.00	25.00	6.30	-
570.0140AF8	140.00	123.00	136.00	139.40	26.50	7.20	-
570.0150AF8	150.00	133.00	146.00	149.40	26.50	7.20	-
570.5160AF8	160.00	140.00	155.00	158.00	25.00	6.30	-
570.R030AF8	30.00	22.00	26.00	29.40	13.50	3.20	2.10
570.0160AF8	160.00	143.00	156.00	159.40	26.50	7.20	-
570.0170AF8	170.00	153.00	166.00	169.40	26.50	7.20	-
570.3180AF8	180.00	150.00	172.00	178.00	36.00	7.20	-
570.0180AF8	180.00	163.00	176.00	179.40	26.50	7.20	-
570.3200AF8	200.00	170.00	192.00	197.00	36.00	12.50	-
570.0200AF8	200.00	180.00	196.00	199.40	31.50	9.20	-
570.0220AF8	220.00	200.00	216.00	219.40	31.50	9.20	-
570.0250AF8	250.00	230.00	246.00	249.40	31.50	9.20	-
570.0320AF8	320.00	290.00	312.00	317.00	36.00	12.50	-
570.0400AF8	400.00	360.00	392.00	397.00	50.00	16.00	-
570.0030AF8	30.00	22.00	26.00	29.40	13.50	3.20	-
570.0500AF8	500.00	460.00	492.00	497.00	50.00	16.00	-
570.R032AF8	32.00	24.00	28.00	31.40	15.50	3.20	3.10
570.3032AF8	32.00	24.00	29.00	31.00	10.00	4.00	-
570.0035AF8	35.00	27.00	31.00	34.40	15.50	3.20	-
570.R035AF8	35.00	27.00	31.00	34.40	15.50	3.20	3.10

The figures highlighted in bold correspond to the dimensions for standard ISO 6547, with the bore diameters in line with standard ISO 3320. Other intermediate sizes can be provided.