

WIPER SEALS BECA 470



DESCRIPTION

The BECA 470 profile is a vulcanised NBR single acting wiper seal on a metal cage.

ADVANTAGES

Economic solution
Tight and precise fitting in the housing
Good external wiping effect

APPLICATIONS

Agriculture
Mobile machinery
Material handling - Lifting
Hydraulic cylinders

MATERIALS

Profiled seal
NBR 90 Shore A
Metal cage
Steel

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

TECHNICAL DATA

Temperature	-30°C / +100°C
Speed	1 m/s
Media	Mineral hydraulic oils Fire-resistant liquids Biocompatible fluids Water Others (contact our experts)

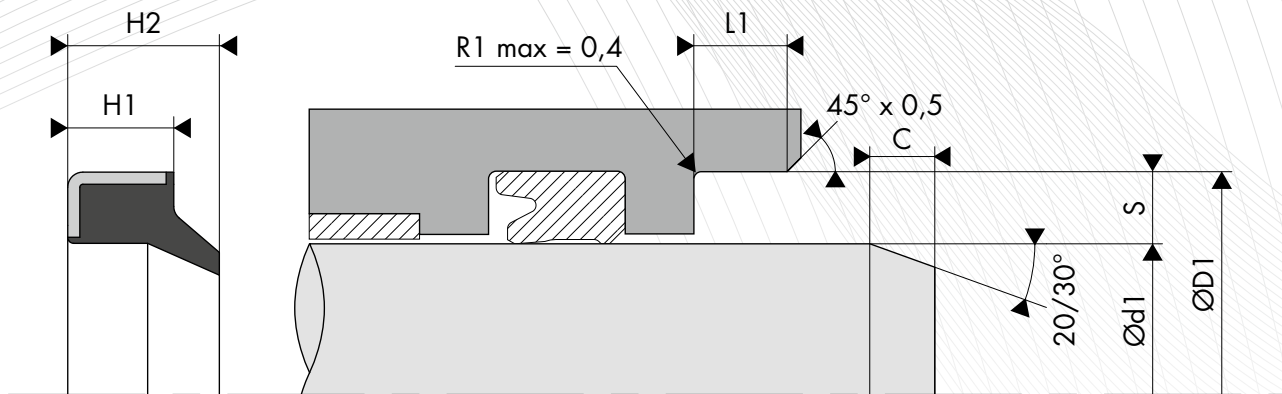
The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

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

CHAMFER

The chamfer length as well as the chamfer angle are determined by the rod seal.



DIMENSIONS

Part number	Rod diameter Ød1 h9	Groove diameter ØD1 H8	Groove width L1 0/+0.20	Seal height H2
470.0060133	6.00	13.00	3.00	4.50
470.0080154	8.00	15.00	4.50	7.00
470.0080165	8.00	16.00	5.00	8.00
470.0100162	10.00	16.00	2.00	3.15
470.0100163	10.00	16.00	3.00	4.50
470.0100185	10.00	18.00	5.00	8.00
470.0100205	10.00	20.00	5.00	8.00
470.0120183	12.00	18.00	3.00	4.50
470.0120184	12.00	18.00	4.00	6.00
470.0120185	12.00	18.00	5.00	7.00
470.0120204	12.00	20.00	4.00	6.00
470.0120225	12.00	22.00	5.00	8.00
470.0120227	12.00	22.00	7.00	10.00
470.0130204	13.00	20.00	4.00	6.00
470.0140203	14.00	20.00	3.50	5.00
470.0140204	14.00	20.00	4.00	5.00
470.0140223	14.00	22.00	3.00	4.00
470.0140247	14.00	24.00	7.00	10.00
470.0140255	14.00	25.00	5.00	8.00
470.0140257	14.00	25.00	7.00	10.00
470.0150255	15.00	25.00	5.00	8.00
470.0150257	15.00	25.00	7.00	10.00
470.0160223	16.00	22.00	3.00	4.00
470.0160224	16.00	22.00	4.00	6.00
470.0160243	16.00	24.00	3.00	4.00
470.0160265	16.00	26.00	5.00	8.00
470.0160267	16.00	26.00	7.00	10.00
470.0180265	18.00	26.00	5.00	8.00
470.0180285	18.00	28.00	5.00	7.00
470.0180287	18.00	28.00	7.00	10.00
470.0180355	18.00	35.00	5.00	8.00
470.0200264	20.00	26.00	4.00	6.00
470.0200265	20.00	26.00	5.00	8.00
470.0200274	20.00	27.00	4.00	6.00
470.0200283	20.00	28.00	3.00	5.00
470.0200285	20.00	28.00	5.00	8.00
470.0200304	20.00	30.00	4.00	6.00
470.0200305	20.00	30.00	5.00	8.00
470.0200307	20.00	30.00	7.00	10.00
470.0200327	20.00	32.00	7.00	10.00
470.0200357	20.00	35.00	7.00	10.00
470.0210283	21.00	28.00	3.50	5.00
470.0220285	22.00	28.00	5.00	8.00
470.0220305	22.00	30.00	5.00	8.00
470.0220325	22.00	32.00	5.00	7.00

Part number	Rod diameter Ød1 h9	Groove diameter ØD1 H8	Groove width L1 0/+0.20	Seal height H2
470.0220327	22.00	32.00	7.00	10.00
470.0220355	22.00	35.00	5.00	8.00
470.0220357	22.00	35.00	7.00	10.00
470.0220385	22.00	38.00	5.00	8.00
470.0240325	24.00	32.00	5.00	7.00
470.0240357	24.00	35.00	7.00	10.00
470.0240377	24.00	37.00	7.00	10.00
470.0250315	25.00	31.00	5.00	7.00
470.0250355	25.00	35.00	5.00	8.00
470.0250357	25.00	35.00	7.00	10.00
470.0250376	25.00	37.00	6.00	9.00
470.0260345	26.00	34.00	5.00	8.00
470.0280365	28.00	36.00	5.00	8.00
470.0280385	28.00	38.00	5.00	8.00
470.0280387	28.00	38.00	7.00	10.00
470.0280407	28.00	40.00	7.00	10.00
470.0300405	30.00	40.00	5.00	8.00
470.0300407	30.00	40.00	7.00	10.00
470.0300427	30.00	42.00	7.00	10.00
470.0300455	30.00	45.00	5.00	8.00
470.0300457	30.00	45.00	7.00	10.00
470.0320404	32.00	40.00	4.00	7.00
470.0320405	32.00	40.00	5.00	8.00
470.0320407	32.00	40.00	7.00	10.00
470.0320425	32.00	42.00	5.00	7.00
470.0320427	32.00	42.00	7.00	10.00
470.0320454	32.00	45.00	4.00	8.00
470.0320455	32.00	45.00	5.00	7.00
470.0320457	32.00	45.00	7.00	10.00
470.0330437	33.00	43.00	7.00	10.00
470.0350415	35.00	41.00	5.00	7.00
470.0350455	35.00	45.00	5.00	8.00
470.0350457	35.00	45.00	7.00	10.00
470.0350477	35.00	47.00	7.00	10.00
470.0350527	35.00	52.00	7.00	10.00
470.0360455	36.00	45.00	5.00	7.00
470.0360457	36.00	45.00	7.00	10.00
470.0360465	36.00	46.00	5.00	8.00
470.0360467	36.00	46.00	7.00	10.00
470.0370475	37.00	47.00	5.00	8.00
470.0380453	38.00	45.00	3.00	4.00
470.0380487	38.00	48.00	7.00	10.00
470.0380535	38.00	53.00	5.00	8.00
470.0400503	40.00	50.00	3.50	5.00
470.0400505	40.00	50.00	5.00	8.00

Part number	Rod diameter Ød1 h9	Groove diameter ØD1 H8	Groove width L1 0/+0.20	Seal height H2
470.0400507	40.00	50.00	7.00	10.00
470.0400525	40.00	52.00	5.00	8.00
470.0400527	40.00	52.00	7.00	10.00
470.0400535	40.00	53.00	5.00	8.00
470.0420527	42.00	52.00	7.00	10.00
470.0440555	44.00	55.00	5.00	7.00
470.0450535	45.00	53.00	5.00	8.00
470.0450555	45.00	55.00	5.00	7.00
470.0450557	45.00	55.00	7.00	10.00
470.0450577	45.00	57.00	7.00	10.00
470.0450607	45.00	60.00	7.00	10.00
470.0480607	48.00	60.00	7.00	10.00
470.0500565	50.00	56.00	5.00	7.00
470.0500605	50.00	60.00	5.00	7.00
470.0500607	50.00	60.00	7.00	10.00
470.0500655	50.00	65.00	5.00	8.00
470.0500657	50.00	65.00	7.00	10.00
470.0520627	52.00	62.00	7.00	10.00
470.0550637	55.00	63.00	7.00	10.00
470.0550655	55.00	65.00	5.00	8.00
470.0550657	55.00	65.00	7.00	10.00
470.0550687	55.00	68.00	7.00	10.00
470.0550707	55.00	70.00	7.00	10.00
470.0560655	56.00	65.00	5.00	7.00
470.0560657	56.00	65.00	7.00	10.00
470.0560665	56.00	66.00	5.00	8.00
470.0560667	56.00	66.00	7.00	10.00
470.0600685	60.00	68.00	5.00	7.00
470.0600705	60.00	70.00	5.00	7.00
470.0600707	60.00	70.00	7.00	10.00
470.0600745	60.00	74.00	5.00	8.00
470.0600757	60.00	75.00	7.00	10.00
470.0610727	61.00	72.00	7.00	10.00
470.0620727	62.00	72.00	7.00	10.00
470.0630727	63.00	72.00	7.00	10.00
470.0630736	63.00	73.00	6.00	9.00
470.0630737	63.00	73.00	7.00	10.00
470.0630757	63.00	75.00	7.00	10.00
470.0650757	65.00	75.00	7.00	10.00
470.0700805	70.00	80.00	5.00	8.00
470.0700806	70.00	80.00	6.00	7.00
470.0700807	70.00	80.00	7.00	10.00
470.0720827	72.00	82.00	7.00	10.00
470.0750857	75.00	85.00	7.00	10.00
470.0750875	75.00	87.00	5.00	7.00
470.0750877	75.00	87.00	7.00	10.00
470.0780887	78.00	88.00	7.00	10.00
470.0800887	80.00	88.00	7.00	10.00
470.0800907	80.00	90.00	7.00	10.00

Part number	Rod diameter Ød1 h9	Groove diameter ØD1 H8	Groove width L1 0/+0.20	Seal height H2
470.0800947	80.00	94.00	7.00	10.00
470.0820927	82.00	92.00	7.00	10.00
470.0850957	85.00	95.00	7.00	10.00
470.0901007	90.00	100.00	7.00	10.00
470.0951057	95.00	105.00	7.00	10.00
470.1001107	100.00	110.00	7.00	10.00
470.1001159	100.00	115.00	9.00	12.00
470.1051157	105.00	115.00	7.00	10.00
470.1081207	108.00	120.00	7.00	10.00
470.1101207	110.00	120.00	7.00	10.00
470.1101259	110.00	125.00	9.00	12.00
470.1151257	115.00	125.00	7.00	10.00
470.1201307	120.00	130.00	7.00	10.00
470.1251357	125.00	135.00	7.00	10.00
470.1251409	125.00	140.00	9.00	12.00
470.1251419	125.00	141.00	9.00	12.00
470.1301407	130.00	140.00	7.00	10.00
470.1301457	130.00	145.00	7.00	10.00
470.1301459	130.00	145.00	9.00	12.00
470.1351507	135.00	150.00	7.00	10.00
470.1351509	135.00	150.00	9.00	12.00
470.1401507	140.00	150.00	7.00	10.00
470.1401559	140.00	155.00	9.00	12.00
470.1451609	145.00	160.00	9.00	12.00
470.1451650	145.00	165.00	10.00	15.00
470.1451709	145.00	170.00	9.00	12.00
470.1501659	150.00	165.00	9.00	12.00
470.1601759	160.00	175.00	9.00	12.00
470.1651809	165.00	180.00	9.00	12.00
470.1701859	170.00	185.00	9.00	12.00
470.1701850	170.00	185.00	10.00	14.00
470.1751900	175.00	190.00	10.00	14.00
470.1801950	180.00	195.00	10.00	14.00
470.1852000	185.00	200.00	10.00	14.00
470.2002159	200.00	215.00	9.00	13.00
470.2002200	200.00	220.00	10.00	14.00
470.2002202	200.00	220.00	12.00	16.00
470.2102300	210.00	230.00	10.00	15.00
470.2102302	210.00	230.00	12.00	16.00
470.2202402	220.00	240.00	12.00	16.00
470.2502702	250.00	270.00	12.00	16.00
470.2753002	275.00	300.00	12.00	16.00
470.2803002	280.00	300.00	12.00	16.00
470.3103406	310.00	340.00	16.00	22.00
470.3203402	320.00	340.00	12.00	16.00
470.3603802	360.00	380.00	12.00	16.00
470.3904206	390.00	420.00	16.00	22.00
470.4004202	400.00	420.00	12.00	16.00
470.4905206	490.00	520.00	16.00	22.00

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