

WIPER SEALS BECA 472



DESCRIPTION

The BECA 472 profile is a rubber double acting wiper seal on a metal cage.

ADVANTAGES

Tight and precise fitting in the housing
Good wiping effect, both internally and externally

APPLICATIONS

Agriculture
Mobile machinery
Material handling - Lifting
Hydraulic cylinders

MATERIALS

Profiled seal

NBR 90 Shore A
FKM 90 Shore A

Metal cage

Steel

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

TECHNICAL DATA

Temperature	-30°C / +200°C
Speed	1 m/s
Media	Mineral hydraulic oils Fire-resistant liquids Biocompatible fluids Water Others (contact our experts)

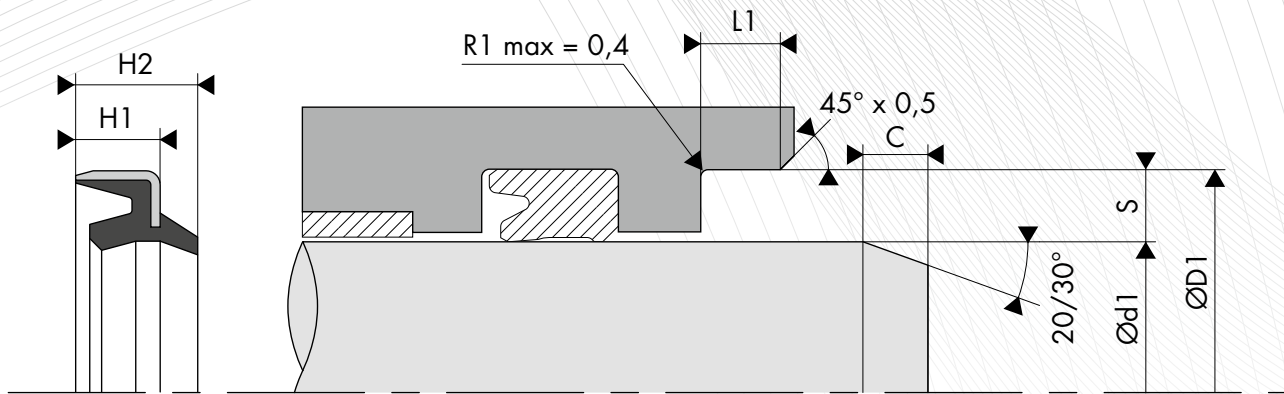
The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

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
472.0120183	12.00	18.00	3.50	5.00
472.1250193	12.50	19.00	3.00	5.00
472.0130193	13.00	19.00	3.50	5.00
472.0140213	14.00	21.00	3.50	5.00
472.0140224	14.00	22.00	4.00	5.50
472.0140245	14.00	24.00	5.00	7.00
472.0150213	15.00	21.00	3.50	5.00
472.0160223	16.00	22.00	3.50	5.00
472.0170233	17.00	23.00	3.50	5.00
472.0180243	18.00	24.00	3.50	5.00
472.0180306	18.00	30.00	6.00	9.00
472.0190274	19.00	27.00	4.00	6.00
472.0190285	19.00	28.00	5.00	7.00
472.0190316	19.00	31.00	6.00	9.00
472.0200274	20.00	27.00	4.00	6.00
472.0200285	20.00	28.00	5.00	7.00
472.0200326	20.00	32.00	6.00	9.00
472.0220305	22.00	30.00	5.00	7.00
472.0220326	22.00	32.00	6.00	9.00
472.0220346	22.00	34.00	6.00	9.00
472.0240325	24.00	32.00	5.00	7.00
472.0250335	25.00	33.00	5.00	7.00
472.0250376	25.00	37.00	6.00	9.00
472.0260322	26.00	32.00	2.50	4.00
472.0270355	27.00	35.00	5.00	7.00
472.0280354	28.00	35.00	4.00	5.50
472.0280365	28.00	36.00	5.00	7.00
472.0280385	28.00	38.00	5.00	7.00
472.0280406	28.00	40.00	6.00	9.00
472.285395	28.58	39.12	5.80	8.10
472.0300385	30.00	38.00	5.00	7.00
472.0300426	30.00	42.00	6.00	9.00
472.0300456	30.00	45.00	6.00	9.00
472.0300477	30.00	47.00	7.00	10.00
472.0320405	32.00	40.00	5.00	7.00
472.0320447	32.00	44.00	7.00	10.00
472.0320528	32.00	52.00	8.00	11.00
472.0330415	33.00	41.00	5.00	7.00
472.0340467	34.00	46.00	7.00	10.00
472.0350435	35.00	43.00	5.00	7.00
472.0350477	35.00	47.00	7.00	10.00
472.0360445	36.00	44.00	5.00	7.00
472.0380465	38.00	46.00	5.00	7.00
472.0380507	38.00	50.00	7.00	10.00
472.0400485	40.00	48.00	5.00	7.00

Part number	Rod diameter Ød1 h9	Groove diameter ØD1 H8	Groove width L1 0/+0.20	Seal height H2
472.0400527	40.00	52.00	7.00	10.00
472.0420505	42.00	50.00	5.00	7.00
472.0450535	45.00	53.00	5.00	7.00
472.0450555	45.00	55.00	5.00	7.00
472.0450577	45.00	57.00	7.00	10.00
472.0500585	50.00	58.00	5.00	7.00
472.0500605	50.00	60.00	5.00	7.00
472.0500627	50.00	62.00	7.00	10.00
472.0500728	50.00	72.00	8.00	11.00
472.0550635	55.00	63.00	5.00	7.00
472.0550655	55.00	65.00	5.00	7.00
472.0550698	55.00	69.00	8.00	11.00
472.0560665	56.00	66.00	5.00	7.00
472.0560687	56.00	68.00	7.00	10.00
472.0600685	60.00	68.00	5.00	7.00
472.0600705	60.00	70.00	5.00	7.00
472.0600748	60.00	74.00	8.00	11.00
472.0600828	60.00	82.00	8.00	11.00
472.0630715	63.00	71.00	5.00	7.00
472.0630735	63.00	73.00	5.00	7.00
472.0650735	65.00	73.00	5.00	7.00
472.0650755	65.00	75.00	5.00	7.00
472.0650798	65.00	79.00	8.00	11.00
472.0700785	70.00	78.00	5.00	7.00
472.0700805	70.00	80.00	5.00	7.00
472.0700848	70.00	84.00	8.00	11.00
472.0700901	70.00	90.00	10.00	14.00
472.0730815	73.00	81.00	5.00	7.00
472.0750835	75.00	83.00	5.00	7.00
472.0750877	75.00	87.00	7.00	12.00
472.0750898	75.00	89.00	8.00	11.00
472.0800927	80.00	92.00	7.00	12.00
472.0800948	80.00	94.00	8.00	11.00
472.0850935	85.00	93.00	5.00	7.00
472.0850998	85.00	99.00	8.00	11.00
472.0901027	90.00	102.00	7.00	12.00
472.0901048	90.00	104.00	8.00	11.00
472.0901077	90.00	107.00	7.00	12.00
472.0951098	95.00	109.00	8.00	11.00
472.1001127	100.00	112.00	7.00	12.00
472.1001148	100.00	114.00	8.00	11.00
472.1051177	105.00	117.00	7.00	12.00
472.1051218	105.00	121.00	8.00	11.00
472.1051219	105.00	121.00	9.00	12.00
472.1101269	110.00	126.00	9.00	12.00

Part number	Rod diameter Ød1 h9	Groove diameter ØD1 H8	Groove width L1 0/+0.20	Seal height H2
472.1151319	115.00	131.00	9.00	12.00
472.1201369	120.00	136.00	9.00	12.00
472.1251419	125.00	141.00	9.00	11.00
472.1301469	130.00	146.00	9.00	12.00
472.1351477	135.00	147.00	7.00	12.50
472.1351509	135.00	150.00	9.00	12.00
472.1351551	135.00	155.00	10.00	14.00
472.1401609	140.00	160.00	9.00	12.00
472.1401601	140.00	160.00	10.00	14.00
472.1451651	145.00	165.00	10.00	14.00
472.1501701	150.00	170.00	10.00	14.00
472.1551751	155.00	175.00	10.00	14.00

Part number	Rod diameter Ød1 h9	Groove diameter ØD1 H8	Groove width L1 0/+0.20	Seal height H2
472.1601801	160.00	180.00	10.00	14.00
472.1701901	170.00	190.00	10.00	14.00
472.1802001	180.00	200.00	10.00	14.00
472.1802051	180.00	205.00	12.00	17.00
472.1902151	190.00	215.00	12.00	17.00
472.2002251	200.00	225.00	12.00	17.00
472.2102351	210.00	235.00	12.00	17.00
472.2202451	220.00	245.00	12.00	17.00
472.2252387	225.00	238.00	7.00	9.50
472.2302551	230.00	255.00	12.00	17.00
472.2402651	240.00	265.00	12.00	17.00
472.2502751	250.00	275.00	12.00	17.00

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