

WIPER SEALS BECA 471



DESCRIPTION

The BECA 471 profile is a vulcanised FKM single acting wiper seal on a metal cage.

ADVANTAGES

Excellent chemical compatibility and wide temperature range

Tight and precise fitting in the housing
Good external wiping effect

APPLICATIONS

Agriculture
Mobile machinery
Material handling - Lifting
Hydraulic cylinders

MATERIALS

Profiled seal
FKM 90 Shore A
Metal cage
Steel

TECHNICAL DATA

Temperature	-20°C / +200°C
Speed	1 m/s
Media	Mineral hydraulic oils Fire-resistant liquids Biocompatible fluids Water Others (contact our experts)

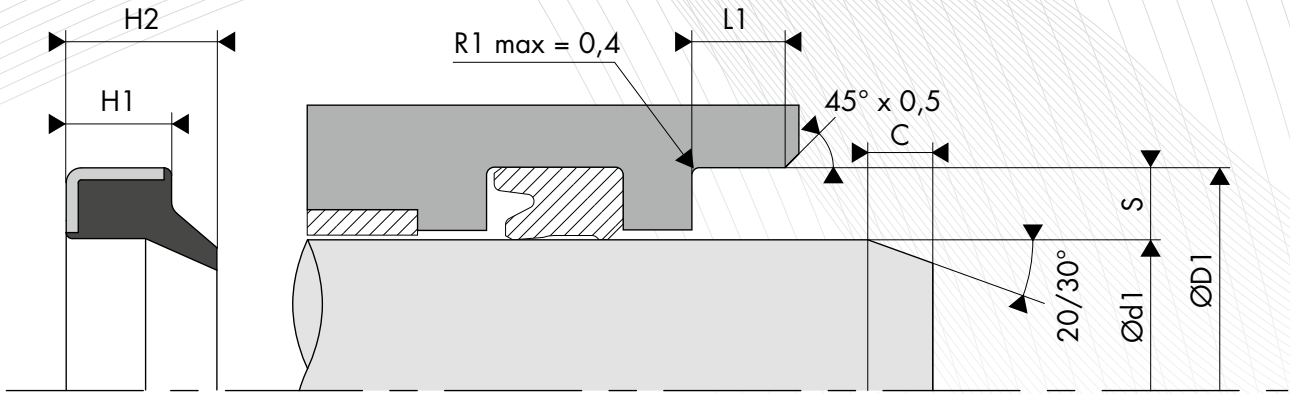
The figures above indicate the maximum values and may not be cumulated. They may be developed, depending on the materials used.

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
471.0613345	6.00	13.00	3.00	4.50
471.0100163	10.00	16.00	3.00	4.50
471.0120204	12.00	20.00	4.00	6.00
471.0160265	16.00	26.00	5.00	8.00
471.0180287	18.00	28.00	7.00	10.00
471.0200284	20.00	28.00	4.00	7.00
471.0200285	20.00	28.00	5.00	8.00
471.0200307	20.00	30.00	7.00	10.00
471.0220285	22.00	28.00	5.00	8.00
471.0250355	25.00	35.00	5.00	8.00
471.0250357	25.00	35.00	7.00	10.00
471.0280385	28.00	38.00	5.00	8.00
471.0280407	28.00	40.00	7.00	10.00
471.0300405	30.00	40.00	5.00	8.00
471.0300407	30.00	40.00	7.00	10.00
471.0320427	32.00	42.00	7.00	10.00
471.0350457	35.00	45.00	7.00	10.00
471.0400505	40.00	50.00	5.00	8.00
471.0400507	40.00	50.00	7.00	10.00
471.0450557	45.00	55.00	7.00	10.00
471.0450607	45.00	60.00	7.00	10.00

Part number	Rod diameter Ød1 h9	Groove diameter ØD1 H8	Groove width L1 0/+0.20	Seal height H2
471.0500565	50.00	56.00	5.00	8.00
471.0500605	50.00	60.00	5.00	7.00
471.0500607	50.00	60.00	7.00	10.00
471.0500657	50.00	65.00	7.00	10.00
471.0550657	55.00	65.00	7.00	10.00
471.0560657	56.00	65.00	7.00	10.00
471.0560667	56.00	66.00	7.00	10.00
471.0650757	65.00	75.00	7.00	10.00
471.0700807	70.00	80.00	7.00	10.00
471.0750857	75.00	85.00	7.00	10.00
471.0800907	80.00	90.00	7.00	10.00
471.0850957	85.00	95.00	7.00	10.00
471.0901007	90.00	100.00	7.00	10.00
471.1001107	100.00	110.00	7.00	10.00
471.1051157	105.00	115.00	7.00	10.00
471.1101207	110.00	120.00	7.00	10.00
471.1251409	125.00	140.00	9.00	12.00
471.1351457	135.00	145.00	7.00	10.00
471.1801950	180.00	195.00	10.00	14.00
471.2202402	220.00	240.00	12.00	16.00

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