

## GAMMA SEALS

# BECA 131



### DESCRIPTION

The BECA 131 profile is a gamma seal. The design of the metal part offers additional protection in the form of a labyrinth in the housing, should there be a higher pollution level compared to the BECA 130 profile.

### ADVANTAGES

- Good dynamic sealing
- Very good protection against external solid particles
- Modern axial sealing lip with a low radial load
- Low power loss
- Installation in a reduced size
- No additional retention system necessary

### APPLICATIONS

- Axles
- Machine tools
- Electric motors
- Pumps
- Transmissions

### MATERIALS

#### Rubber

- NBR 70 - 75 Shore A
- FKM 70 - 75 Shore A

#### Metal cage

- Steel - AISI 1010

### TECHNICAL DATA

Temperature	-30°C / +200°C
Speed	20 m/s
Media	Mineral hydraulic oils Synthetic lubricants

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

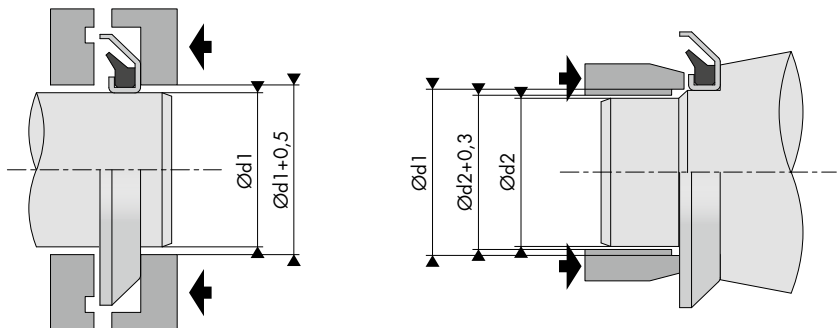
### SURFACE ROUGHNESS

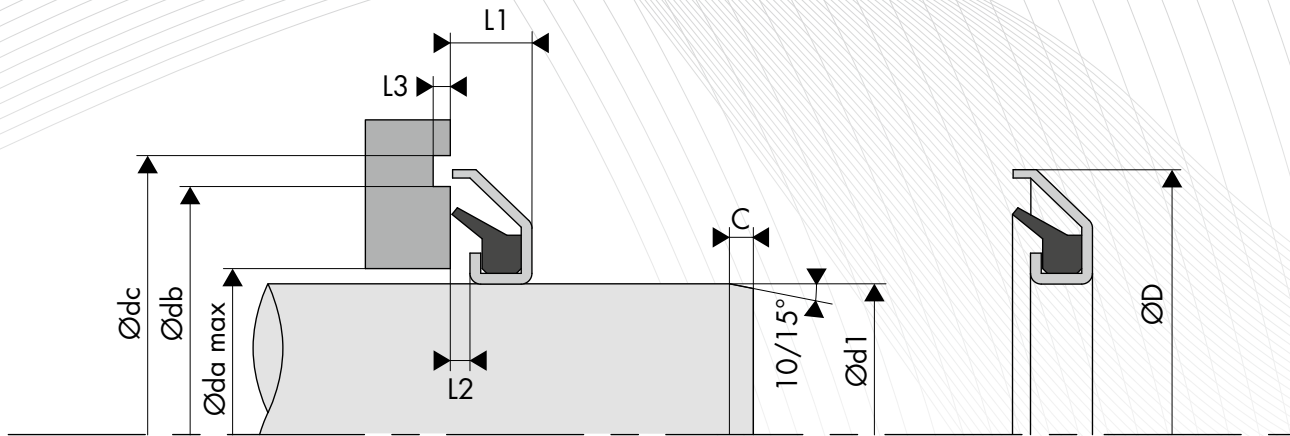
The recommended surface roughness for the shaft must not exceed 4 µm Ra. There must be no burrs or defects on the shaft.

### CHAMFERS AND ANGLES

Shaft diameter Ød1 h9	Angle	Chamfer C (+/-)
0.00 - 35.00	10° / 15°	2.00 (-0.25/-0.15)
36.00 - 50.00	10° / 15°	2.00 (-0.28/-0.18)
51.00 - 135.00	10° / 15°	2.00 (-0.30/-0.20)
136.00 - 200.00	10° / 15°	2.00 (-0.35/-0.25)

### ASSEMBLY RECOMMENDATIONS





## DIMENSIONS

Part number	Shaft diameter Ød1 h9	Outside diameter ØD	Width L1	Width L3	Bore diameter Øda max	Bore diameter Ødb	Bore diameter Ødc
131.015040	15.00	32.00	4.00	3.00	21.00	29.00	34.00
131.017040	17.00	34.00	4.00	3.00	23.00	31.00	36.00
131.020040	20.00	37.00	4.00	3.00	26.00	34.00	39.00
131.025040	25.00	42.00	4.00	3.00	31.00	39.00	44.00
131.028040	28.00	45.00	4.00	3.00	33.00	42.00	47.00
131.029040	29.00	39.00	4.00	3.00	34.00	43.00	48.00
131.030045	30.00	48.00	4.50	3.00	37.00	45.00	50.00
131.035045	35.00	53.00	4.50	3.00	42.00	50.00	55.00
131.040045	40.00	58.00	4.50	3.00	47.00	55.00	60.00
131.045045	45.00	63.00	4.50	3.00	52.00	60.00	65.00
131.050055	50.00	72.00	5.50	3.00	58.00	68.50	74.00
131.055055	55.00	77.00	5.50	3.00	63.00	73.50	79.00
131.060055	60.00	82.00	5.50	3.00	68.00	78.50	84.00
131.065055	65.00	87.00	5.50	3.00	73.00	83.50	89.00
131.070055	70.00	92.00	5.50	3.00	78.00	88.50	94.00
131.075055	75.00	97.00	5.50	3.00	83.00	93.50	99.00
131.080055	80.00	102.00	5.50	3.00	88.00	98.50	104.00
131.085055	85.00	107.00	5.50	3.00	93.00	103.50	109.00
131.090055	90.00	112.00	5.50	3.00	98.00	108.50	114.00
131.095055	95.00	117.00	5.50	3.00	103.00	113.50	119.00
131.100055	100.00	122.00	5.50	3.00	108.00	118.50	124.00