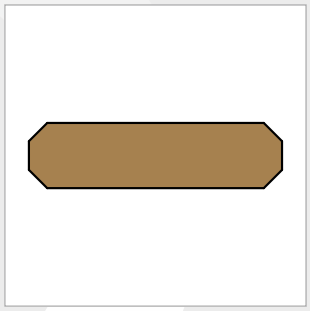


WEAR RINGS

BECA 006 Rod

DESCRIPTION

The BECA 006 Rod profile is a machined guide ring with a 30° angle cut as standard, made from filled PTFE.

ADVANTAGES

Substantial and improved lubrication conditions through the tear structures

Very good friction coefficient; no stick-slip effect

Good wear resistance; very long life

Increased absorption of foreign particles

Good vibration absorption

APPLICATIONS

Aerospace

Aerospace

Military

MATERIALS

Bronze-filled PTFE

Carbon-filled PTFE

Carbon graphite-filled PTFE

TECHNICAL DATA

Temperature	-60°C / +200°C
Speed	15 m/s
Media	Mineral hydraulic oils Fire-resistant liquids Biocompatible fluids Water Others (contact our experts)
Max. compression resistance	30 to 35 N/mm²
Radial loads in dynamic applications	15 N/mm² at 25°C 12 N/mm² at 80°C 8 N/mm² at 120°C

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

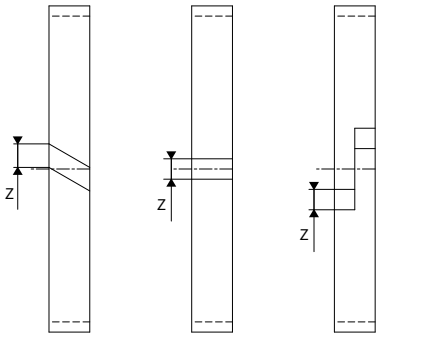
WEAR RING HEIGHT DIMENSIONING

H = (F x f) / (Ød1 x Cr)

where:

H = Min. height of guide (mm)
F = Max. radial force (N)
f = Safety coefficient (we recommend 2)
Ød1 = Rod diameter (mm)
Cr = Permissible radial load in dynamic applications (N/mm²)

TYPES OF CUT



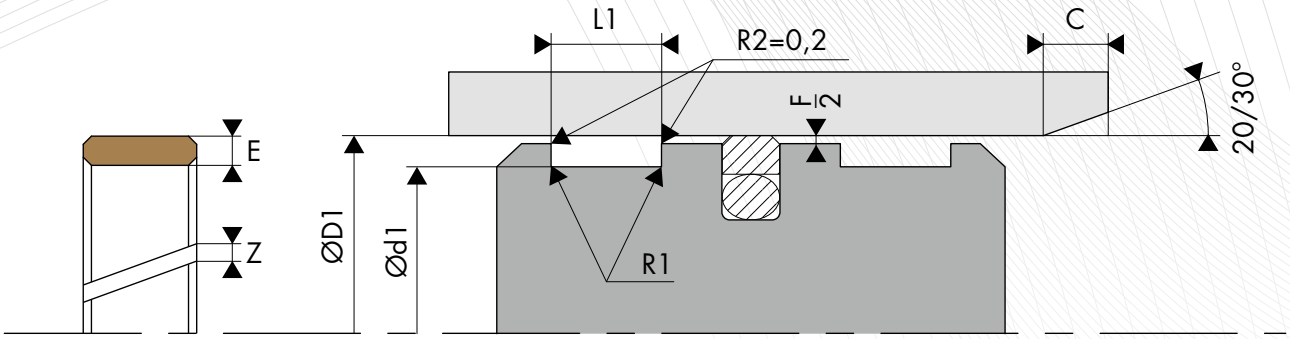
Coupe sifflet 30° | Coupe droite spéciale | Coupe baïonnette spéciale

SURFACE ROUGHNESS

Roughness	Dynamic surface area	Static surface area	Groove flanks
Ra	0.05 - 0.2 µm	≤1.6 µm	≤3.2 µm
Rz	0.4 - 1.6 µm	≤6.3 µm	≤10.0 µm
Rmax	0.63 - 2.5 µm	≤10.0 µm	≤16.0 µm

RECOMMENDED RADIUS OF THE GROOVE DIAMETER

Rod diameter Ød1	Radius R1 max
≤ 250.00	0.20
> 250.00	0.40



INSTALLATION DIMENSIONS

Rod diameter Ød1 f8	Groove diameter ØD1 H11	Groove width L1 0/+0.25	Extrusion gaps F/2 max
3.12 - 38.05	d1 + 1.63	3.43	0.18
3.12 - 38.05	d1 + 1.63	6.60	0.18
3.12 - 38.05	d1 + 1.63	9.78	0.18
3.12 - 38.05	d1 + 1.63	12.95	0.18
9.47 - 114.22	d1 + 3.20	3.43	0.23
9.47 - 114.22	d1 + 3.20	6.60	0.23
9.47 - 114.22	d1 + 3.20	9.78	0.23
9.47 - 114.22	d1 + 3.20	12.95	0.23
76.12 - 253.92	d1 + 4.78	3.43	0.28
76.12 - 253.92	d1 + 4.78	6.60	0.28
76.12 - 253.92	d1 + 4.78	9.78	0.28
76.12 - 253.92	d1 + 4.78	12.95	0.28

FRANCE JOINT SAS Zone Artisanale Le Mortier - B.P. 50009 - Cugand - 85613 Montaigu Cedex - France
Ph. **+33 (0)2 51 42 13 76** - Fax **+33 (0)2 51 43 61 14 -** Email: contact@francejoint.fr - Website: **www.francejoint.com**