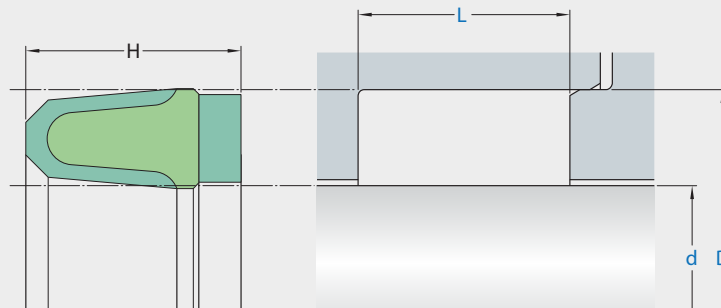




R30-A



Ordering dimensions in blue

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2 \mu m$	0,05–0,3 μm
Bottom of groove	$\leq 6,3 \mu m$	$\leq 1,6 \mu m$
Groove face	$\leq 15 \mu m$	$\leq 3 \mu m$

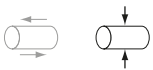
Bearing area: 50–95% and a cutting depth of 0,5 R_z , based on $C_{ref} = 0\%$

Standard dimensions

Minimum nominal inside diameter $d \geq 5 \text{ mm}$.

This is not a standard profile and serves as a replacement for an existing installation space. New constructions should use standard profiles.

application



not bolded symbols; please consult our technical for application limitations

operating parameters & materials

diameter range: up to 600 mm

material			temperature	max. surface speed	max. pressure ¹
sealing element	glide element	back-up ring			
Ecorubber 2	Ecoflon 1	Ecotal/Ecomid ²	-20 °C ... +100 °C	0,5 m/s	500 bar (50 MPa)
Ecorubber H	Ecoflon 1	Ecotal/Ecomid ²	-25 °C ... +100 °C	0,5 m/s	500 bar (50 MPa)
Ecorubber 2	Ecoflon 1	Ecopaek	-20 °C ... +200 °C	0,5 m/s	1000 bar (100 MPa)
Ecorubber H	Ecoflon 1	Ecopaek	-25 °C ... +200 °C	0,7 m/s	1000 bar (100 MPa)

the stated operation conditions represent general indications. it is recommended not to use all maximum values simultaneously.

surface speed limits apply only to the presence of adequate lubrication film.

¹ pressure ratings are dependent on the size of the extrusion gap.

² Ecotal up to ø260 mm, Ecomid above ø260 mm.

surface quality

	Rtmax (µm)	Ra (µm)
surface roughness	≤6,3	≤1,8

tolerance recommendation

seal housing tolerances	
Ød	h10
ØD	H10