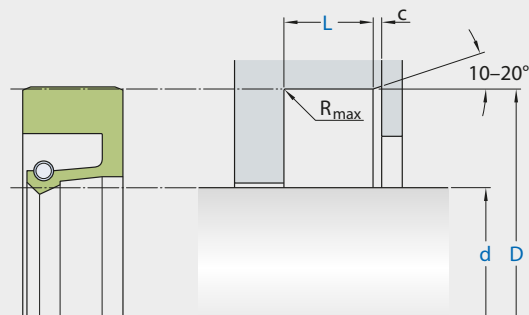


R01-AF



Ordering dimensions in blue

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu m$	$0,1-0,5 \mu m$
Bottom of groove	$\leq 6,3 \mu m$	$\leq 1,6 \mu m$
Groove face	$\leq 15 \mu m$	$\leq 3 \mu m$

Hardness: Min 45 HRC (55 HRC recommended), hardened depth > 0,3 mm.
 Bearing area: 50-95% and a cutting depth of 0,5 R_z based on $C_{ref} = 0\%$

Standard dimensions		d		D	L	c	R_{max}
h11	h11	h11	h11	H8	-0,2		
Rotating application over	incl.	Pivoting application over	incl.				
mm							
5	80	5	40	d + 15	7	1,2	0,4
80	140	40	70	d + 20	8	1,5	0,4
140	240	70	120	d + 20	10	1,5	0,4
240	480	120	240	d + 30	12	1,8	0,8
480	2 240	240	1 120	d + 40	15	1,8	0,8
2 240	3 200	1 120	1 600	d + 50	25	3,3	0,8

application



operating parameters & material

diameter range: up to 600 mm

material	temperature	max. surface	max. pressure ¹
ECOPUR	-30 °C ... +110 °C	5 m/s	0,5 bar (7 psi)
H-ECOPUR	-20 °C ... +110 °C	5 m/s	0,5 bar (7 psi)
S-ECOPUR	-20 °C ... +110 °C	6 m/s	0,5 bar (7 psi)
T-ECOPUR	-50 °C ... +110 °C	5 m/s	0,5 bar (7 psi)
G-ECOPUR	-30 °C ... +110 °C	5 m/s	0,5 bar (7 psi)
Ecorubber 1	-30 °C ... +100 °C	10 m/s	0,5 bar (7 psi)
Ecorubber H	-25 °C ... +150 °C	10 m/s	0,5 bar (7 psi)
Ecorubber 2	-20 °C ... +200 °C	15 m/s	0,5 bar (7 psi)
Ecorubber 3 ²	-50 °C ... +150 °C	10 m/s	0,2 bar (3 psi)
Ecosil	-60 °C ... +200 °C	5 m/s	0,2 bar (3 psi)

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

surface roughness	Rtmax [μm]	Ra [μm]
shaft	$\leq 6,3$	$\leq 0,2-0,8$
bottom of groove	≤ 25	$\leq 1,6-6,3$

tolerance recommendation

seal housing tolerances	
$\varnothing d$	f8
$\varnothing D$	H8
$\varnothing D1$	H11