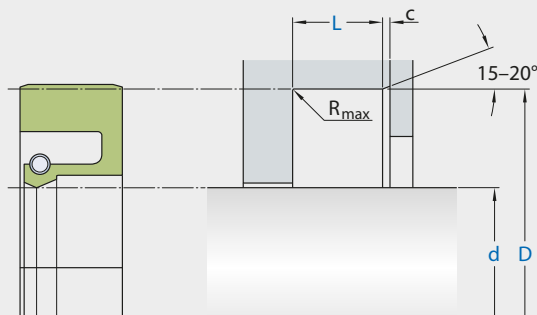


# R01-AS



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	Pivoting application	Rotating application	Pivoting application				
over	incl.	over	incl.				
mm							
5	70	5	35	d + 20	8	1,5	0,4
70	120	35	60	d + 20	10	1,5	0,4
120	240	60	120	d + 30	12	1,8	0,8
240	1 120	120	560	d + 40	15	3	0,8
1 120	1 600	560	800	d + 50	20	3,3	0,8
1 600		800	2 220	d + 60	25	3,3	0,8

## application



## operating parameters & material

diameter range: up to 600 mm

material	temperature	max. surface	max. pressure <sup>1</sup>
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 <sup>2</sup>	-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.

<sup>1</sup> pressure ratings are dependent on the size of the extrusion gap.

<sup>2</sup> Ecotal up to ø260 mm, Ecomid above ø260 mm.

## surface quality

surface roughness	Rtmax [ $\mu\text{m}$ ]	Ra [ $\mu\text{m}$ ]
shaft	$\leq 6,3$	$\leq 0,2-0,8$
bottom of groove	$\leq 25$	$\leq 1,6-6,3$

## tolerance recommendation

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