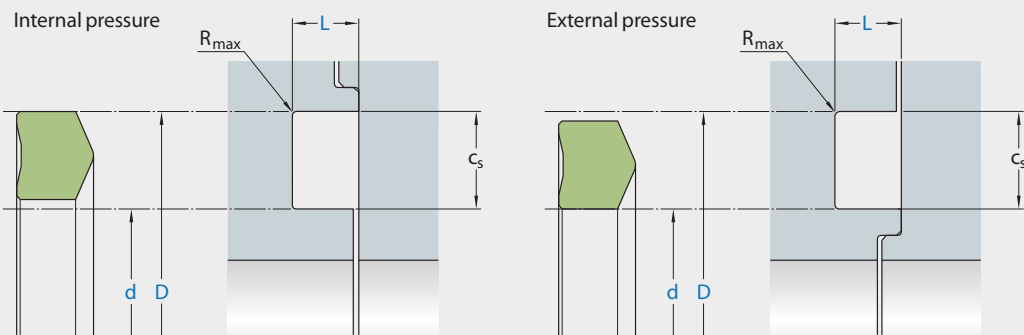


R35-A



Ordering dimensions in blue

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu m$	0,1–0,5 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		C_s	L	R
Corresponding O-ring cord diameter	OD			
AS 568A ¹⁾	ISO 3601 ²⁾			
mm				
1,78	1,8	2	1,4	0,4
2,62	2,65	3	2,25	0,4
3,53	3,55	4	3,1	0,4
5,33	5,3	6	4,75	0,4
6,99	7	8	6,2	0,4

¹⁾ American standard

²⁾ DIN 3771

Minimum nominal inside diameter ≥ 5 mm.

Standard definition for this profile is inside pressure.

application



not bolded symbols; please consult our technical for application limitations

operating parameters & material

diameter range: up to 600 mm

material	temperature	max. pressure ¹
ECOPUR	-30 °C ... +110 °C	800 bar (80 MPa)
H-ECOPUR	-20 °C ... +110 °C	800 bar (80 MPa)
S-ECOPUR	-20 °C ... +110 °C	800 bar (80 MPa)
T-ECOPUR	-50 °C ... +110 °C	800 bar (80 MPa)
G-ECOPUR	-30 °C ... +110 °C	800 bar (80 MPa)
Ecorubber 1	-30 °C ... +100 °C	250 bar (25 MPa)
Ecorubber 2	-20 °C ... +200 °C	250 bar (25 MPa)
Ecorubber 3 ²	-50 °C ... +150 °C	250 bar (25 MPa)
Ecorubber H	-25 °C ... +150 °C	250 bar (25 MPa)
Ecosil	-60 °C ... +200 °C	250 bar (25 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 attention: not suitable for mineral oils!

surface quality

surface roughness	Rtmax (µm)	Ra (µm)
surface roughness	≤10	≤1,6

tolerance recommendation

seal housing tolerances	
∅d	h10
∅D	H10