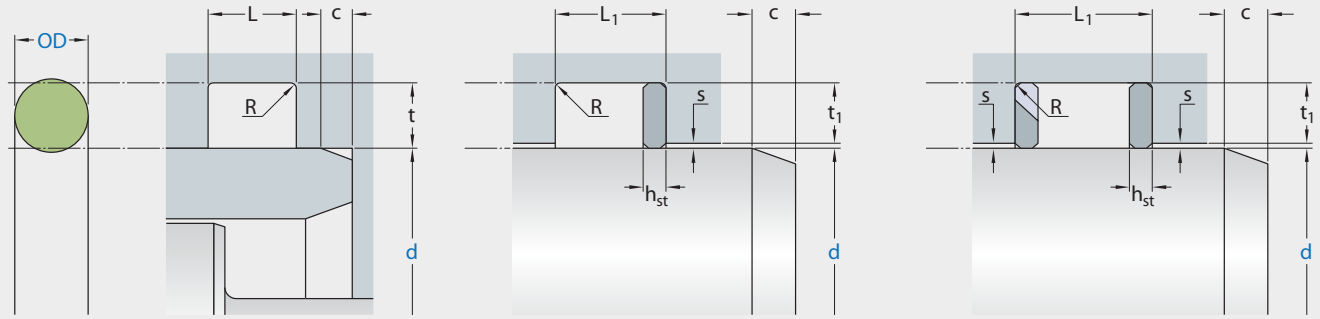
R13



Ordering dimensions in blue

Pressure Surface roughness	Constant R_{tmax}	R_a	Pulsating R_{tmax}	R_a
	mm		mm	
Sliding surface [1]	6,3	1,6	3,2	0,8
Bottom of groove [2]	12,5	3,2	6,3	1,6
Groove face	12,5	3,2	12,5	3,2

[1] R_{tmax} / R_a for dynamic application: 1,6 µm / 0,4 µm
[2] R_{tmax} / R_a for dynamic application: 6,3 µm / 1,6 µm
Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

application

Standard dimensions

OD AS 568A [1]	OD ISO 3601 [2]	t	L	t_1	L_1	L_2	R	h_{st}	c	s
mm										
1,78	1,8	1,35	2,5	1,58	3,5	4,5	0,3	1	3	f7/H8
2,62	2,65	2,18	3,5	2,42	5,0	6,5	0,3	1,5	3,5	f7/H8
3,53	3,55	3	4,4	3,70	5,9	7,4	0,5	1,5	4	f7/H8
5,33	5,3	4,5	6,7	5,60	8,4	10,1	0,6	1,7	5	f7/H8
6,99	7	5,94	8,8	7,37	10,8	12,8	0,8	2	6	f7/H8
10	10	8,5	12,5	10,5	15,0	17,5	1	2,5	10	f7/H8
12	12	10,2	15,5	12,85	18,5	21,5	1	3	12	f7/H8
15	15	12,75	19	15,88	22	25	1	3	15	f7/H8

[1] American standard
[2] DIN 3771

operating parameters & material

diameter range: up to 600 mm

material	temperature	max. surface speed	max. pressure [1]	hydrolysis	dry running	wear resistance
ECOPUR	-30 °C ... +110 °C	-	600 bar (60 MPa)	-	+	++
H-ECOPUR	-20 °C ... +110 °C	-	600 bar (60 MPa)	++	+	++
S-ECOPUR	-50 °C ... +110 °C	-	600 bar (60 MPa)	-	+	++
T-ECOPUR	-20 °C ... +110 °C	-	600 bar (60 MPa)	++	++	++
G-ECOPUR	-30 °C ... +110 °C	-	600 bar (60 MPa)	++	+	++
Ecorubber 1	-30 °C ... +100 °C	-	160 bar (16 MPa)	-	-	o
Ecorubber 2	-20 °C ... +200 °C	-	160 bar (16 MPa)	-	-	o
Ecorubber 3	-50 °C ... +150 °C	-	160 bar (16 MPa)	++	-	o
Ecorubber H	-25 °C ... +150 °C	-	160 bar (16 MPa)	+	o	+
Ecoflon 1	- 200 °C ... +260 °C	-	160 bar (16 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!

++ ... particularly suitable
+ ... suitable
o ... conditional suitable
- ... not suitable

for detailed information regarding chemical resistance please refer to our "list of resistance". for increased chemical and thermal resistance rubber materials are to be preferred, polyurethan materials increase wear resistance.