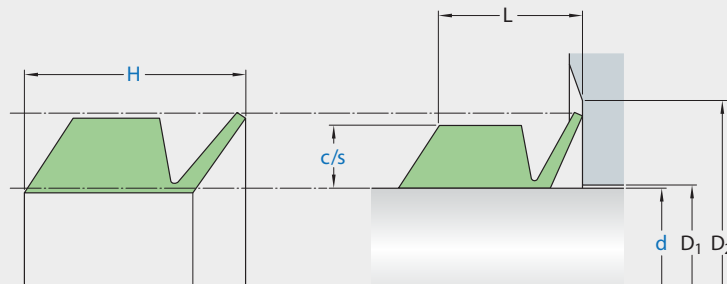


R07-R



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	$\leq 15 \mu m$	$\leq 3 \mu m$

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

Standard dimensions		D_1	D_2	c/s	H	L
d	h_{11}	max	min			
over	incl.					
mm						
5	40	$d + 2,0$	$d + 12$	4	9,76	8,5
40	70	$d + 2,5$	$d + 15$	5	11,82	10
70	100	$d + 3,0$	$d + 18$	6	14,23	12,5
100	150	$d + 3,5$	$d + 21$	7	16,65	14,5
150	210	$d + 4,0$	$d + 24$	8	19,11	16,5
210	300	$d + 5,0$	$d + 30$	10	23,20	20,5
300	450	$d + 6,25$	$d + 36,5$	12,5	28,31	24,5
450		$d + 7,5$	$d + 45$	15	33,42	28,5

application



not bolded symbols; please consult our technical for application limitations

operating parameters & material

material	temperature	max. surface speed	max pressure ¹	hydrolysis	dry running	wear resistance
ECOPUR	-30°C...+110°C	25m/s	-	-	+	++
H-ECOPUR	-20°C...+110°C	25m/s	-	++	+	++
S-ECOPUR	-20°C...+110°C	25m/s	-	++	++	++
T-ECOPUR	-50°C...+110°C	25m/s	-	-	+	++
G-ECOPUR	-30°C...+110°C	25m/s	-	++	+	++
Ecorubber 1	-30°C...+100°C	25m/s	-	-	-	O
Ecorubber 2	-20°C...+200°C	25m/s	-	-	-	O
Ecorubber 3 ²	-50°C...+150°C	25m/s	-	++	-	O
Ecorubber H	-25°C...+150°C	25m/s	-	+	O	+

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

o ... conditional suitable

+ ... 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, attention should be paid to restrictions for pressure range and wear resistance.