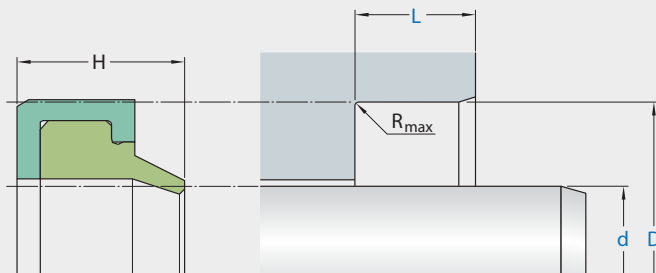


A03-A



Ordering dimensions in blue

Surface roughness	R_{tmax}	R_a
Sliding surface	$\leq 2,5 \mu m$	$0,05-0,3 \mu m$
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	L	R_{max}	H
d	f8	H8	+ 0,2		
over	incl.				
mm					
22	100	d + 10	7	0,4	10
100	200	d + 15	9	0,4	12
200	600	d + 20	12	0,4	16

application



not bolded symbols; please consult our technical for application limitations

operating parameters & material

diameter range: up to 600 mm

material		temperature	max. surface speed	hydrolysis	dry running	wear resistance
wiping part	housing					
ECOPUR	Ecotal/Ecomid/Metal ²	-30 °C ... +110 °C	4 m/s	-	+	++
H-ECOPUR	Ecotal/Ecomid/Metal ²	-20 °C ... +110 °C	4 m/s	+	+	++
T-ECOPUR	Ecotal/Ecomid/Metal ²	-50 °C ... +110 °C	4 m/s	-	+	++
S-ECOPUR	Ecotal/Ecomid/Metal ²	-20 °C ... +110 °C	5 m/s	+	+	++
G-ECOPUR	Ecotal/Ecomid/Metal ²	-30 °C ... +110 °C	4 m/s			
Ecorubber 1	Ecotal/Ecomid/Metal ²	-30 °C ... +100 °C	4 m/s	-	-	O
Ecorubber 2	Ecotal/Ecomid/Metal ²	-25 °C ... +150 °C	4 m/s	+	O	+
Ecorubber 3 ¹	Ecopaek/Metal	-50 °C ... +150 °C	4 m/s	++	-	O
Ecorubber H	Ecopaek/Metal	-20 °C ... +200 °C	4 m/s	-	-	O
X-ECOPUR	Ecotal/Ecomid/Metal ²	-30 °C ... +110 °C	4 m/s			
XH-ECOPUR	Ecotal/Ecomid/Metal ²	-20 °C ... +110 °C	4 m/s			
XS-ECOPUR	Ecotal/Ecomid/Metal ²	-20 °C ... +110 °C	5 m/s			

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 attention: not suitable for mineral oils!

² Ecotal up to ø260 mm, Ecomid above ø260 mm.

++ ... 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, polyurethan materials increase wear resistance.

notes on special materials:

at temperatures above 80°C, the internal stress of POM may be lost. for the use of retaining rings above 80°C or below -30°C, the PEEK material may be used (for limits to application see data sheet). aluminium rings have also been successfully used (shaping according to standard range). please note that the application limits are determined by all the materials used.

surface quality

surface roughness	Rtmax (µm)	Ra (µm)
sliding surface	according to seal data	
bottom of groove	≤6,3	≤1,6
groove face	≤15	≤3

tolerance recommendation

seal housing tolerances	
ØD	H8

mode of installation

the prerequisites for perfect functioning are careful fitting and an accurately dimensioned housing space. the wiper is pressed in; installation can also be done separately (first the retaining ring is snapped in and then the elastomer part).