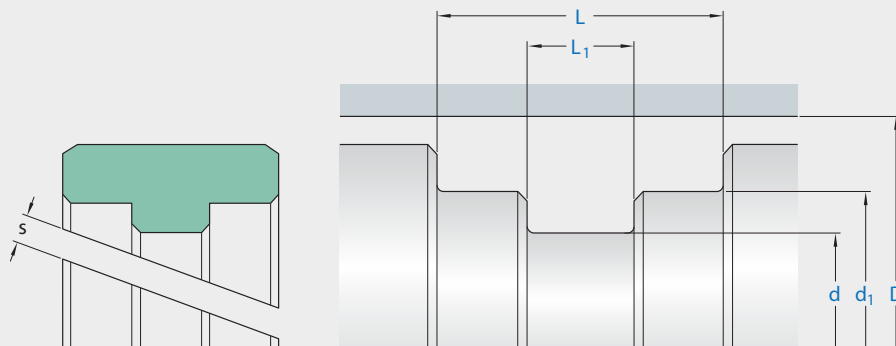


F05



Ordering dimensions in blue

Sealing material Surface roughness	TPU / Elastomers		PTFE	
	R_{tmax}	R_a	R_{tmax}	R_a
	m		m	
Sliding surface	$\leq 2,5$	0,05–0,3	≤ 2	0,05–0,2
Bottom of groove	$\leq 6,3$	$\leq 1,6$	$\leq 6,3$	$\leq 1,6$
Groove face	≤ 15	≤ 3	≤ 15	≤ 3

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

application



not bolded symbols; please consult our technical for application limitations

Standard dimensions

D	H9	d	d ₁	d ₂	L	L ₁
over	incl.	h10	h8		+0,2	+0,2
mm						
28	36	D–6	D–2,8	D–0,35	8,5	3
36	60	D–7,5	D–3,2	D–0,4	10,5	3,5
60	90	D–9	D–3,5	D–0,5	15	5
90	150	D–9	D–3,5	D–0,6	15	5
150	200	D–16	D–7,1	D–0,7	20,3	8
200		D–17	D–7,5	D–0,8	25	8

* Cutting gap s † values depend on material and temperature. For detailed information please refer to the profile description.

application:

for the guidance of pistons in hydraulic and pneumatic cylinders. In the case of pneumatic systems the application is, however, restricted to lubricated air.

operating parameters & material

diameter range: up to 600 mm

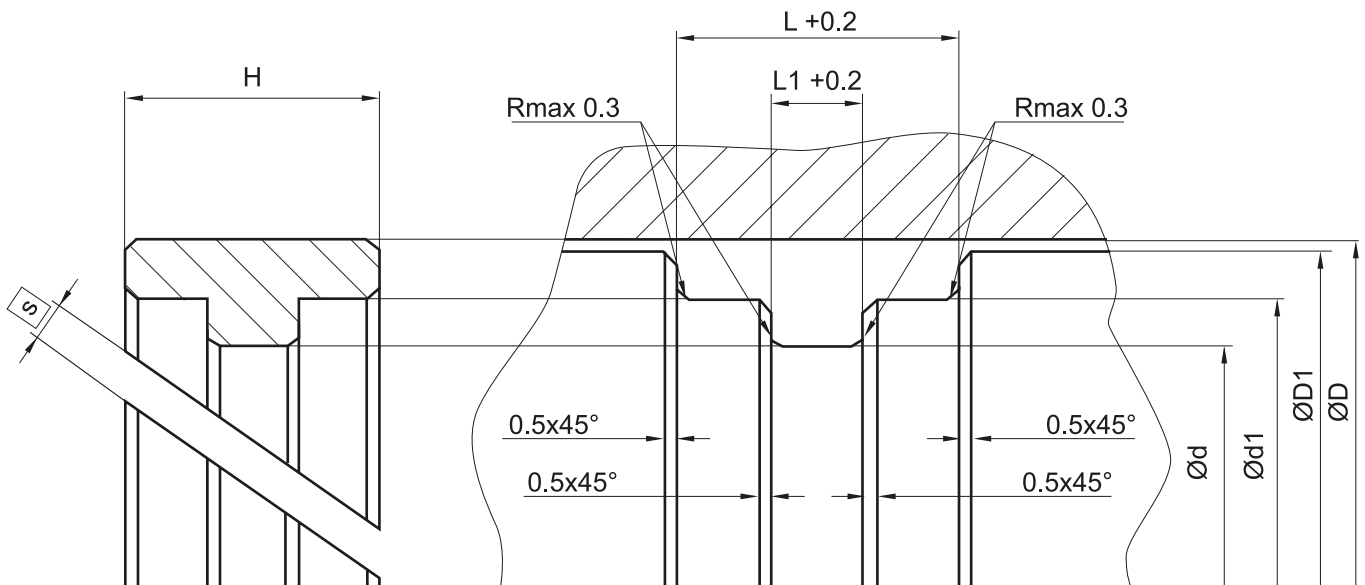
material	temperature	max. surface speed	max. specific load
Ecotal ²	-50 °C ... +100 °C	4,0 m/s	25 N/mm ²
Ecomid ²	-40 °C ... +100 °C	4,0 m/s	25 N/mm ²
Ecoflon 2	-200 °C ... +200 °C	4,0 m/s	3 N/mm ²
Ecoflon 3	-200 °C ... +200 °C	5,0 m/s	4,5 N/mm ²
TEX	-40 °C ... +130 °C	1,0 m/s	90 N/mm ²

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.

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

seal & housing recommendations

please note that we are able to produce those profiles to your specific need or any non standard housing. for detail measurements, please see seal-mart catalog...

**variations:**

- cutting gap width $s = \dots \text{mm}$
- endless

don't hesitate to contact our technical department for further information or for special requirements (temperature, speed etc.), so that suitable materials and/or designs can be recommended.