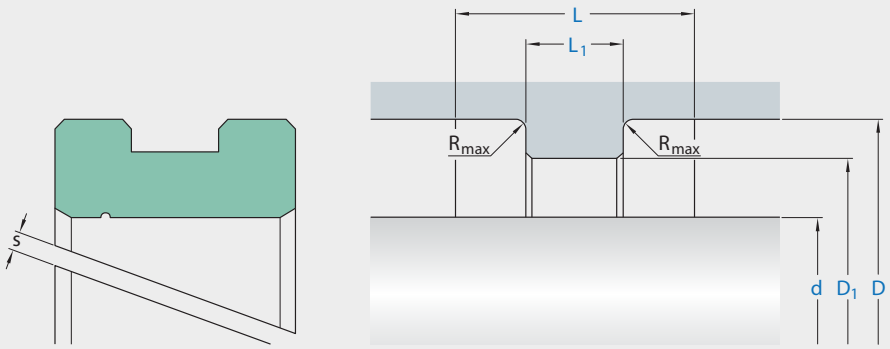
F08



Ordering dimensions in blue

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

Bearing area: 50–95% and a cutting depth of0,5 R_z based on C_{ref} = 0%

application

not bolded symbols; please consult our technical for application limitations

Standard dimensions
Minimum nominal inside diameter
d ≥ 22 mm.

Depending on the application, the geometry of the guide element should be adapted to the type of application (please refer to the profile description – Seal housing). Because uncut versions would be pointless for assembly reasons, rotating applications should to be avoided. Standard version with cutting gaps > 0 do not allow a supporting function. For a supporting function a cutting gap of s = 0 and a spiral groove is provided. Cutting gap s † values depend on material and temperature. For detailed information please refer to the profile description.

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/mm²
Ecomid [2]	-40 °C ... +100 °C	4,0 m/s	25 N/mm²
Ecoflon 2	-200 °C ... +200 °C	4,0 m/s	3 N/mm²
Ecoflon 3	-200 °C ... +200 °C	5,0 m/s	4,5 N/mm²
TEX	-40 °C ... +130 °C	1,0 m/s	90 N/mm²

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.

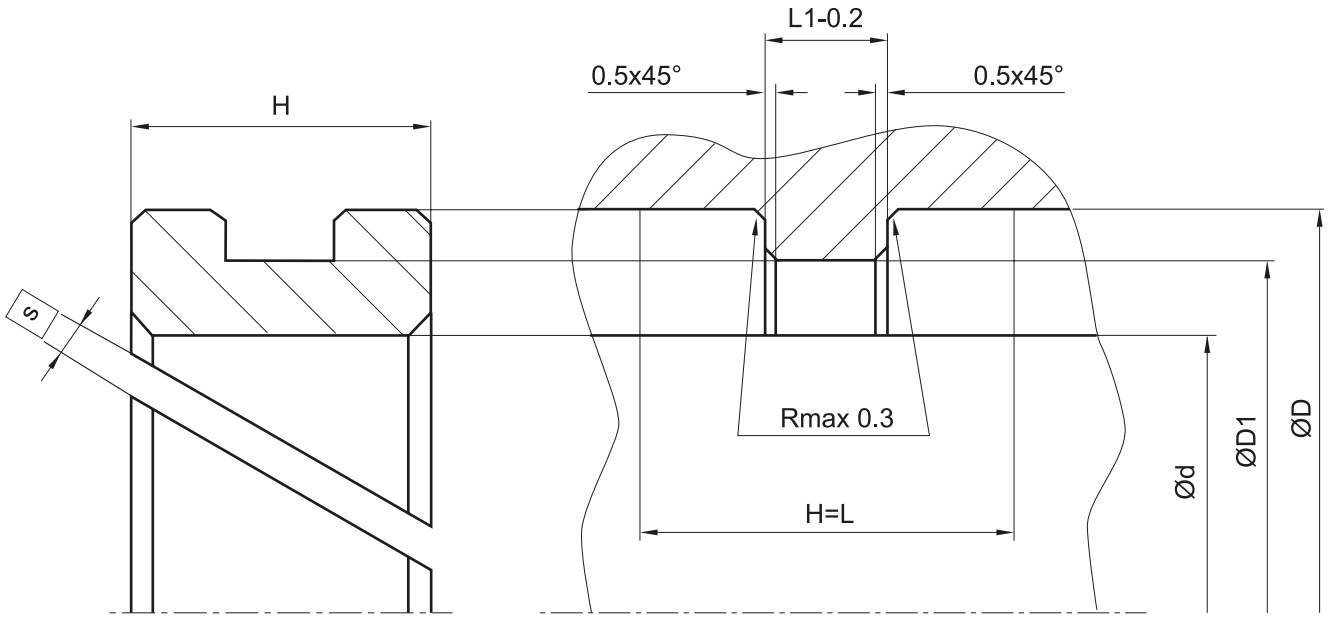
[2] Ecotal up to ø260 mm, Ecomid above ø260 mm.

fitting & installation

the split guide ring F08 is compressed spirally and can be snapped easily into corresponding grooves in the cylinder head.

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=...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.