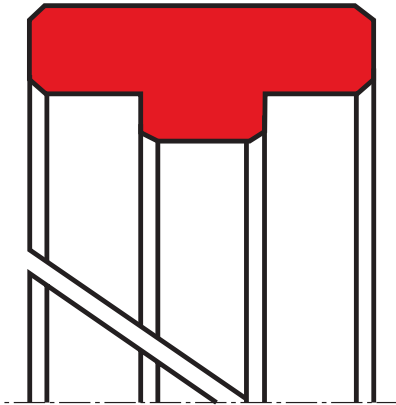


guide ring F05

seal spec



description

with integrated collar on inside diameter, for piston application. split and non split design available.

they are easy to install, extremely durable and allow simple piston designs. although these rings are produced in a large range of diameters, intermediate sizes can be cut additionally from the next largest dimension.

application



not bolded symbols; please consult our technical for application limitations

category of profile

machined or molded/standard/trade product.

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
s-mart POM ²	-50 °C ... +100 °C	4,0 m/s	25 N/mm ²
s-mart PA ²	-40 °C ... +100 °C	4,0 m/s	25 N/mm ²
s-mart PTFE glass	-200 °C ... +200 °C	4,0 m/s	3 N/mm ²
s-mart PTFE bronze	-200 °C ... +200 °C	5,0 m/s	4,5 N/mm ²
s-mart 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 POM up to ø260 mm, PA above ø260 mm

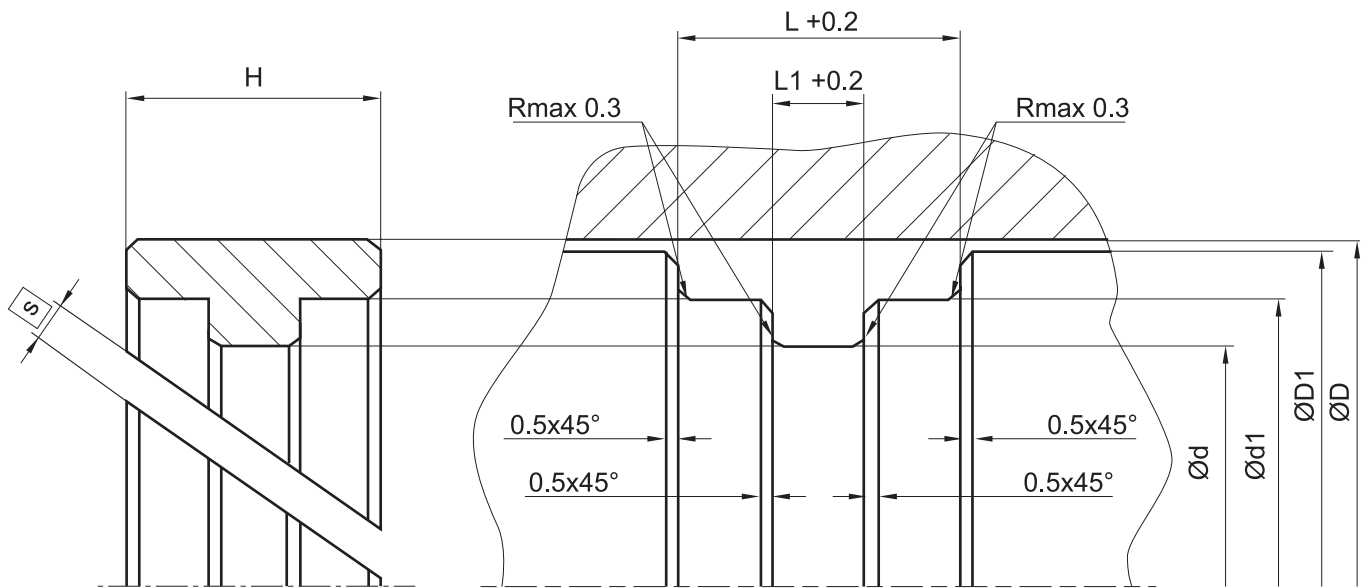
tolerance recommendation

seal housing tolerances

Ød	h10
Ød1	h8
ØD	H9

**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.