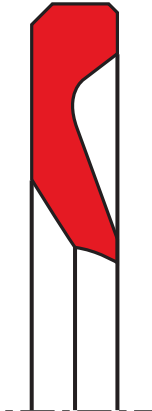


# wiper A13-A

## seal spec



### description

scraper ring, mainly used in combination with wiper A02 or A01. firmly clinging dirt and extremely heavy soiling (mud, tar, ice) is wiped off, following elastomeric wiper is protected from damage. recommended materials provide good dry running properties, high stiffness and breaking strenght.

- this design has been developed as a scraper ring and is used in combination with A02 or A01 wipers.
- housing fit required is H9.
- the recommended materials offer good dry running properties, as well as high stiffness, stability and breaking strength.

### application



not bolded symbols; please consult our technical for application limitations

### category of profile

machined only.

### single acting

### area of application: hydraulics & pneumatics

reciprocating on working cylinders with hard and encrusted dirt in combination with A02 or A01.

### function:

A13-A wipers are designed to scrape off hard and encrusted dirt in front of the wiper, thereby protecting the elastomer wiper from damage.

### operating parameters & material

diameter range: up to 600 mm

material	temperature	max. surface speed	hydrolysis	dry running	wear resistance
s-mart POM	-50 °C ... +80 °C	1 m/s	++	+	+
s-mart PA <sup>2</sup>	-40 °C ... +80 °C	1 m/s	+	+	+
s-mart PAEK	-50 °C ... +260 °C	1 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.

<sup>2</sup> POM up to ø260 mm, PA above ø260 mm

++ ... particularly suitable

o ... conditional suitable

+ ... suitable

- ... not suitable

for detailed information regarding chemical resistance please refer to our "list of resistance".

### 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**

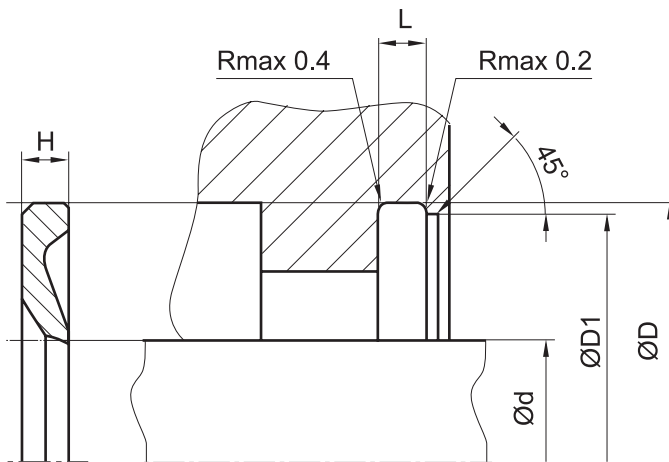
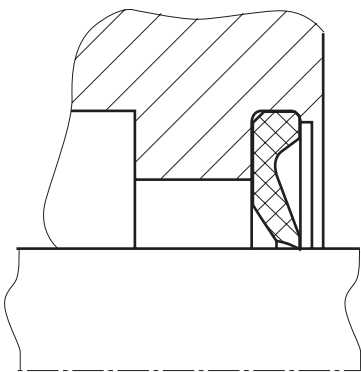
L	0,2
ØD1	±0,1
ØD	H9

**mode of installation**

the wiper can be snapped in. prerequisite is the correct design of the groove geometry. the diameter of the retaining step should be approx. 1 mm smaller than the outside diameter. a corresponding chamfer is required for fitting. usually, a thickness of 2 to 2.5mm should be sufficient. for a more sturdy design, retaining rings may be required.

**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...*

**fitted:**

*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.*