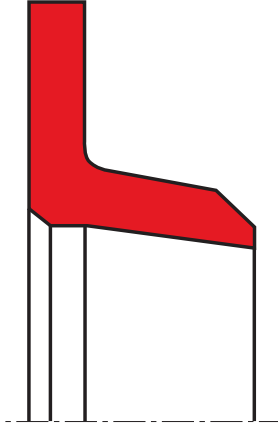


## wiper A08-A

## seal spec



### description

A08-A with chamfer, wiper usually fixed in housing with clamp flange. mainly used for replacement in old hydraulic and pneumatic cylinders or for secondary applications.

- in most cases the wipers are retained by the use of clamp rings. they are mainly used as replacement parts in old pneumatic and hydraulic cylinders and, to a lesser extent, as push rod sealing in water hydraulic applications.
- the design of the wiping edge aids recovery of the residual oil film; any dirt is wiped off reliably.
- design A08-A with chamfer.
- design A08-B with radius.
- pressure build-up is to be avoided if possible.

### application



*not bolded symbols; please consult our technical for application limitations*

### category of profile

machined only.

### single acting

### area of application: hydraulics/pneumatic

- reciprocating rods on hydraulic cylinders.
- push rods, valve stems.
- (materials must be selected according to operating requirements).

### function

A08-A and A08-B wipers are designed to keep dust, dirt, sand and metal chips away from the sealing and guiding elements, thereby avoiding abrasive damage caused by external contamination.

**operating parameters & material***diameter range: up to 600 mm*

material	temperature	max. surface speed	hydrolysis	dry running	wear resistance
s-mart PU	-30 °C ... +110 °C	4 m/s	-	+	++
s-mart HPU	-20 °C ... +110 °C	4 m/s	++	+	++
s-mart LTPU	-50 °C ... +110 °C	4 m/s	-	+	++
s-mart SPU	-20 °C ... +110 °C	5 m/s	++	++	++
s-mart GPU	-30 °C ... +110 °C	4 m/s	++	+	++
s-mart NBR	-30 °C ... +100 °C	4 m/s	-	-	O
s-mart FKM	-20 °C ... +200 °C	4 m/s	-	-	O
s-mart EPDM <sup>2</sup>	-50 °C ... +150 °C	4 m/s	++	-	O
s-mart HNBR	-25 °C ... +150 °C	4 m/s	+	O	+
s-mart XPU	-30 °C ... +110 °C	4 m/s			
s-mart XHPU	-20 °C ... +110 °C	4 m/s			
s-mart XSPU	-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.*

<sup>2</sup> attention: not suitable for mineral oils!

++ ... 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.*

**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**

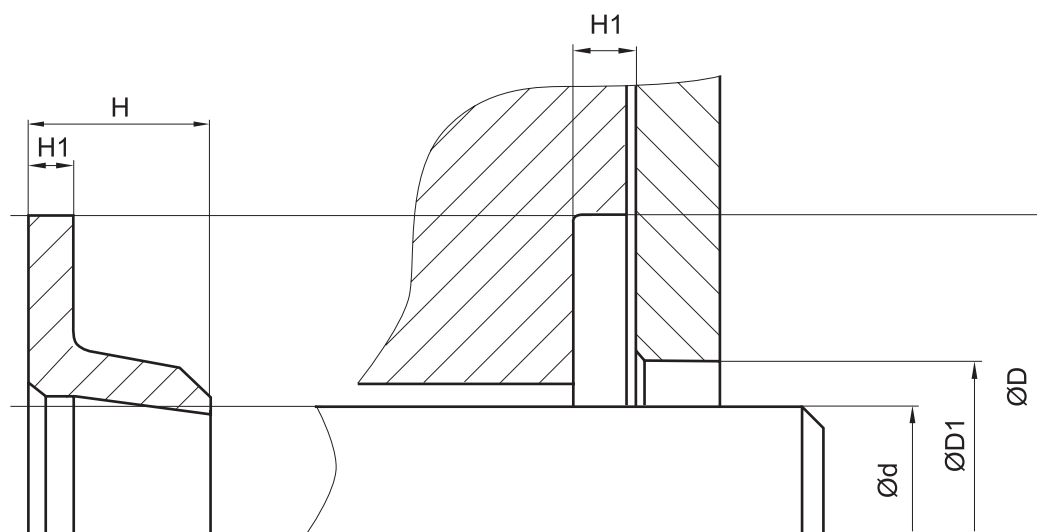
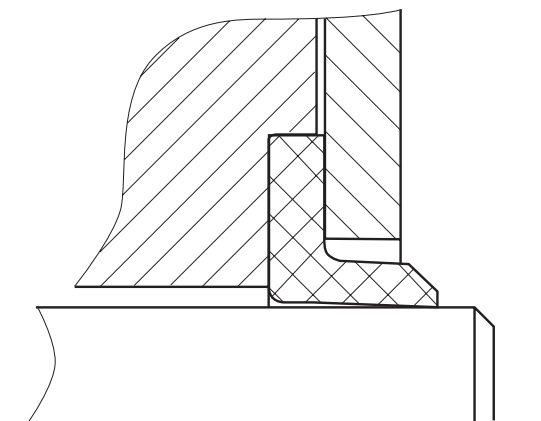
seal housing tolerances	
d	according to seal data
D1	H11
D	H10

**mode of installation**

the prerequisites for perfect functioning are careful fitting and an accurately dimensioned mounting space. the retaining collar should be pressed by approx. 1 to 2% if possible. corresponding limit stops are to be provided. profiles with smaller cross-section may also be snapped into place.

**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.*