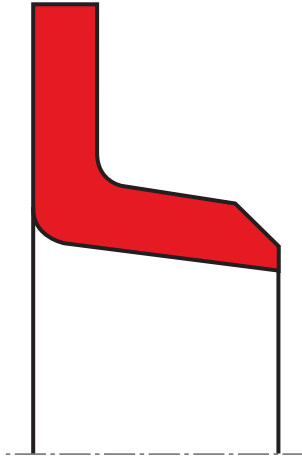


wiper A08-B

seal spec



description

A08-B with radius, 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 ²	-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.

² 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

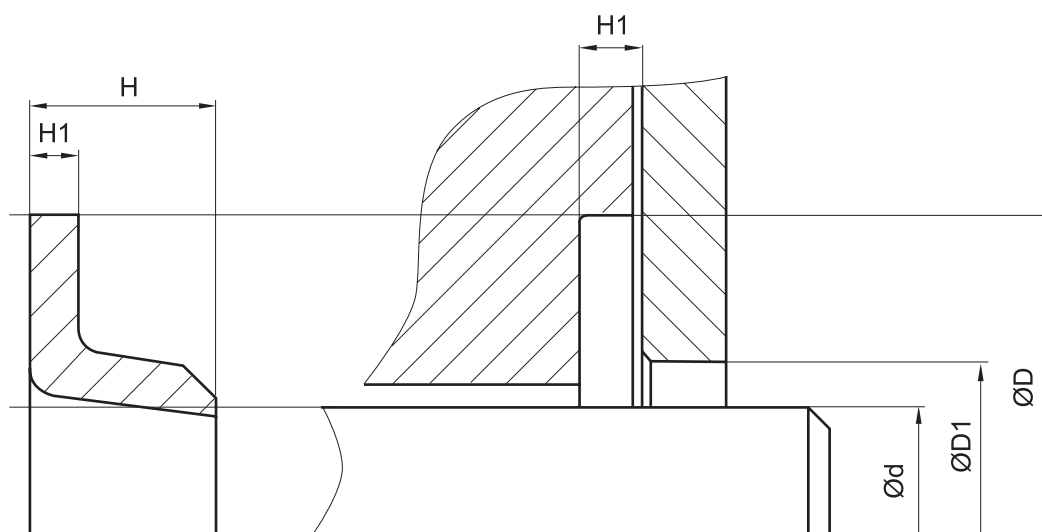
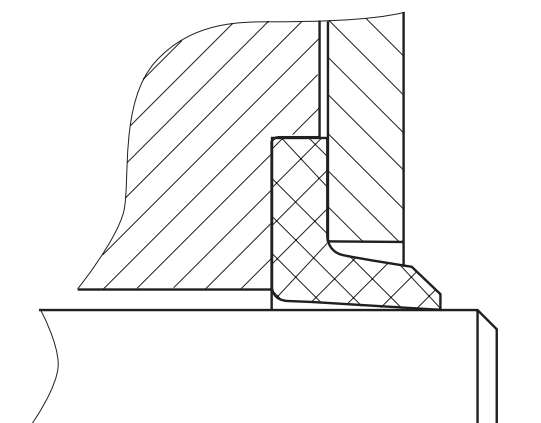
seal housing tolerances	
d	according to seal data
D1	H11
D	H10

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.