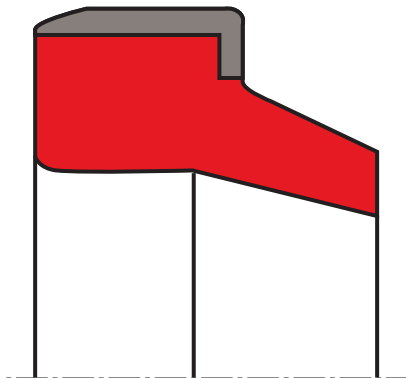


wiper A03-SC

seal spec



description

elastomer wiper with a sharply-defined lip edge and metal housing. these two parts are combined in a manufacturing process to form a single unit.

application



not bolded symbols; please consult our technical for application limitations

category of profile

machined or molded/standard/trade product.

single acting

area of application: hydraulics & pneumatics

hydraulic and pneumatic systems, reciprocal movements, medium dirt load.

function

the A03-SC is a single function wiper. it is pressed against the descending piston rod wiping the dirt from the surface of the rod. the seals, their associated elements and the hydraulic medium are protected from dirt. the metal angle ring with its additional press fit on the outer circumference, ensure the functionally correct fit of the wiper in the housing. the high wear-resistance of the polyurethane provides this wiper with a particularly long service life.

media

hydraulic oils acc. to DIN 51524/51525, lubricating oils, other mineral oil based fluids and HFA, HFB, HFC highly non-flammable hydraulic fluids acc. to VDMA 24317.

operating parameters & material

material		temperature	max. surface speed
wiping part	housing		
s-mart PU 92 shore A	metal	-35 °C ... +100 °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.

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**

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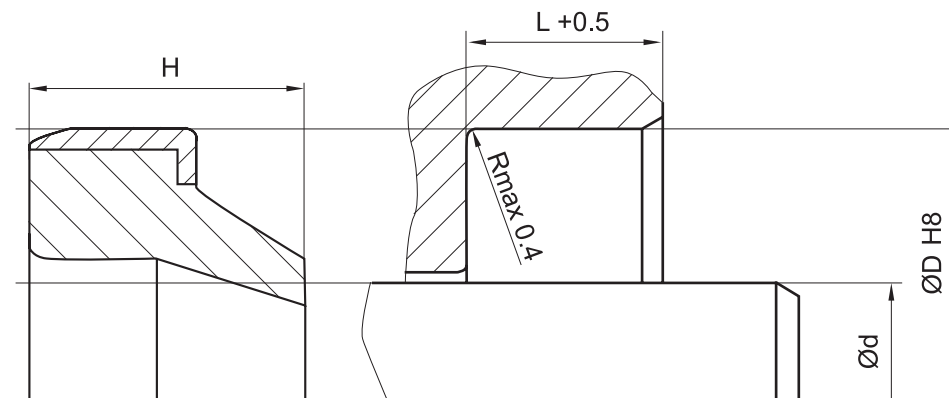
fitting & installation

the wiper is easily built in to split housing, provided the lead-in chamfer is in accordance with the table below:

H [mm]	chamfer [mm] with angle 20°
≤ 4,5	0,6
5	0,6
6	0,8
7	0,8
8	1
9	1
10	1,4
12	1,8
14	2
16	2,4

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...



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.