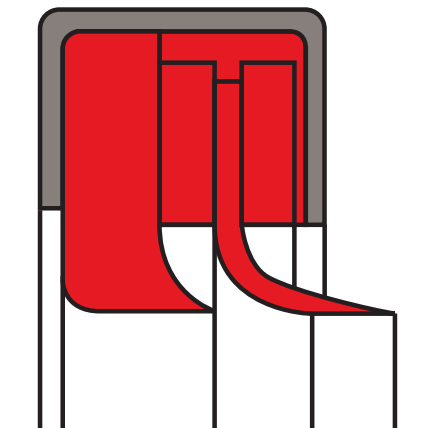


wiper A64

seal spec



description

the A64 is a single-acting special scraper with two different scraper lips a thin metallic lip and a elastomer lip. the two scraper lips are arranged in tandem behind one another in a compact metal housing. the A64 lip is designed to remove firmly adhering soiling and ice particles. the secondary lip of elastomer material enhances the overall scraping effect, i.e. fine sand grains, water and similar foreign matter are reliably scraped off. both scraper lips have a smaller diameter than the nominal diameter of the piston rod, thus ensuring a tight fit of the scraper lips. the metallic lip is guided flexibly in radial direction and can easily follow any possible deflections of the piston rod.

application



category of profile

molded/standard/trade product only.

single acting

area of application: hydraulics

media: mineral oil-based hydraulic fluids, flame retardant hydraulic fluids (HFA, HFB, HFC), water, air, etc.

advantages

- very good scraping effect, even with firmly adhering dirt, e.g. mud, ice.
- very abrasion resistant.
- tight fit in the groove due to the metal case.
- easy installation in open grooves.

operating parameters & material

material			temperature	max. surface speed	max. pressure ¹
inner scraper lip	metal housing	outer scraper lip			
s-mart NBR (70 Shore A)	sheet Metal	brass	-40 °C ... +120 °C	1,0 m/s	400 bar (40 MPa)

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	material	Rtmax [µm]	Rz DIN [µm]	Ra [µm]
mating surface	PTFE +	0.63 - 2.50	0.40 - 1.60	0.05 - 0.20
	PU & Rubber	1.00 - 4.00	0.63 - 2.50	0.10 - 0.40
groove surface		< 16	< 10.0	< 1.6

tolerance recommendation

seal housing tolerances	
Ød	f8/h9
ØD	H8

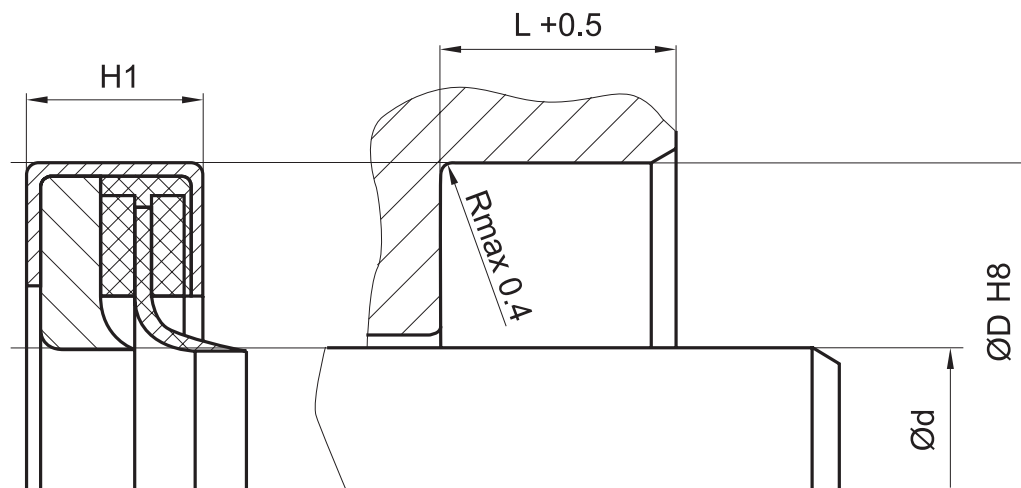
**fitting & installation**

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

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.