

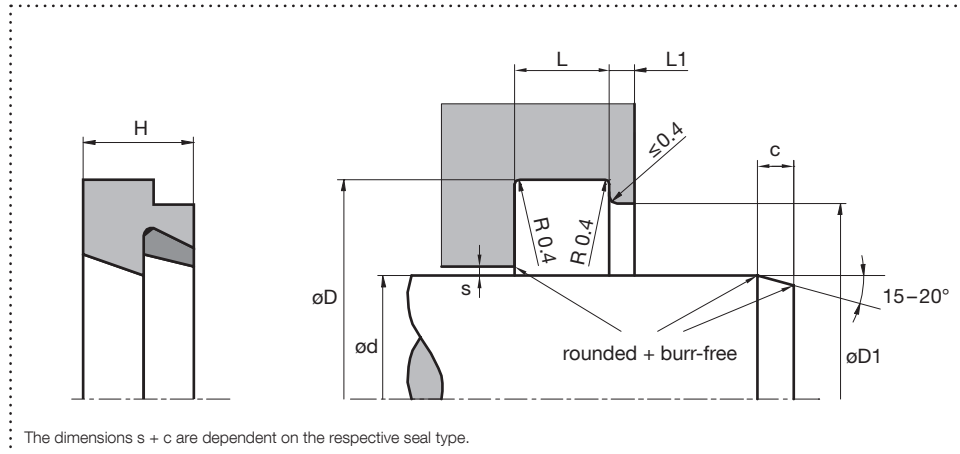


trygonal

Wiper TA19

Hydraulics/Pneumatics, single acting

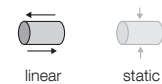
Housing design



Design

- Wiper for extreme applications (ice, mud, tar)
- Often designed as special seals
- Scraper part frees the rod from sticking materials

Application



Brightened symbols:
Seal only for limited use.
Please contact us.

Surface finish

Roughness	PU		PTFE		Material portion
	Rtmax (µm)	Ra (µm)	Rtmax (µm)	Ra (µm)	
Sliding surface	≤ 2,5	0,1 – 0,5	≤ 2	0,05 – 0,3	Ratio contact area: 50 – 95% at a cutting depth of 0.5 x Rz starting from Cref = 0%
Groove base	≤ 6,3	≤ 1,6	≤ 6,3	≤ 1,6	
Groove flanks	≤ 15	≤ 3	≤ 15	≤ 3	

Standard dimensions

ød f8 (mm)	øD H11 (mm)	øD1 H11 (mm)	L + 0,2 (mm)	L1 ± 0,2 (mm)	H (mm)
≥ 11 – ≤ 100	d + 8	d + 6	4	1	7
> 100 – < 150	d + 12	d + 9	5,5	1,5	10
≥ 150	d + 15	d + 11	6,5	2	13

Material and application parameters

Sealing element	Scrapperelement	Temperature (°C)	max. sliding speed (m/s)
HPU premium	POM/PA6G ¹	-30 – +80	4
HPU diet	POM/PA6G ¹	-20 – +80	4
HPU lubric	POM/PA6G ¹	-20 – +80	5
HPU taiga	POM/PA6G ¹	-50 – +80	4
XHPU solid	POM/PA6G ¹	-30 – +80	4
XHPU lubric	POM/PA6G ¹	-20 – +80	5
NBR standard	POM/PA6G ¹	-30 – +80	4
FPM diet br	Peek nature diet	-20 – +200	4
EPDM spring	POM/PA6G ¹ /Peek nature diet	-50 – +150	4
HNBR diet	POM/PA6G ¹ /Peek nature diet	-25 – +150	4
AFLAS® standard	Peek nature diet	-10 – +200	4

¹ ≤ ø280mm: POM ; > ø280mm: PA6G

The specified application parameters are generally valid values and must not be used simultaneously with the application. An order can be placed by specifying the profile type, material and specified housing design dimensions.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.