

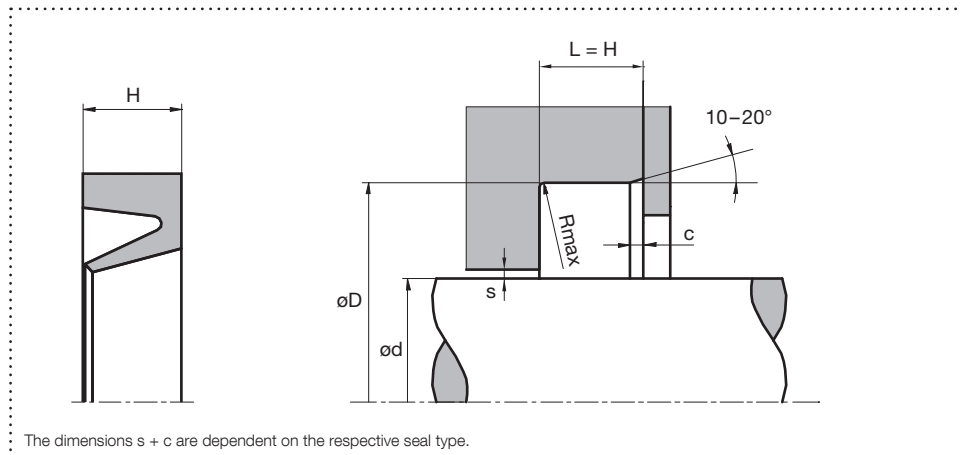


trygonal

Rotary Seal TR08

single acting

Housing design



Design

- Shaft sealing ring without spring support
- Suitable for small cross-sections
- for subordinate applications
- Versatile due to material

Application



rotating



oscillating



screwing

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

Surface finish

Roughness	Rtmax (µm)	Ra (µm)	Material portion
Sliding surface	≤ 2,5	0,1 – 0,5	Hardness: min. 45 HRC (65 HRC recommended), insert depth > 0.3mm Contact area: 50 - 95% at a cutting depth of 0.5xRz starting from Cref = 0%.
Groove base	≤ 6,3	≤ 1,6	
Groove flanks	≤ 15	≤ 3	

Standard dimensions

NB (mm)	c (mm)	Rmax (mm)
6,0	1	0,4
7,5	1,2	0,4
10,0	1,5	0,4
15,0	1,8	0,4
20,0	3	0,4
25,0	3,3	0,4

- Due to the wide range of design possibilities of this profile, it is not useful to assign the profile at this point.
- Attention! The standard design of this profile does not take any preload into account!

Material and application parameters

Sealing element	Temperature (°C)	max. sliding speed (m/s)	max. pressure
NBR standard	-30 – +100	25	–
FPM diet br	-20 – +200	25	–
EPDM spring	-50 – +150	25	–
HNBR diet	-25 – +150	25	–

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.