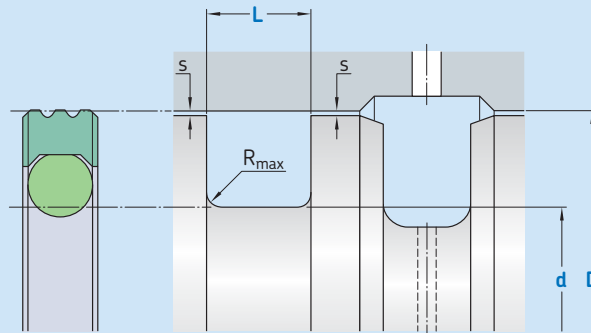


R10-F



Ordering dimensions in **blue**

| Surface roughness | R _{tmax} | R _a |
|-------------------------|-------------------|----------------|
| Sliding surface | ≤ 2 μm | 0,05–0,3 μm |
| Bottom of groove | ≤ 6,3 μm | ≤ 1,6 μm |
| Groove face | ≤ 15 μm | ≤ 3 μm |

Hardness: On the surface min 55 HRC, hardened depth > 0,3 mm.
Bearing area: 50–95% and a cutting depth of 0,5 R_z based on C_{ref} = 0%

| Standard dimensions | | | | | Maximal radial extrusion gap s* | | |
|---------------------|--------------|----------|-----|-----|---------------------------------|---------|---------|
| D | d | L | R | | | | |
| H8 | h8 | + 0,2 | | | | | |
| over | incl. | | | | 100 bar | 200 bar | 350 bar |
| mm | | | | mm | | | |
| 10 | 19 | D – 4,9 | 2,2 | 0,3 | 0,15 | 0,10 | 0,10 |
| 19 | 38 | D – 7,5 | 3,2 | 0,5 | 0,20 | 0,15 | 0,10 |
| 38 | 200 | D – 11 | 4,2 | 0,7 | 0,25 | 0,20 | 0,10 |
| 200 | 256 | D – 15,5 | 6,3 | 1,2 | 0,30 | 0,25 | 0,10 |
| 256 | 650 | D – 21 | 8,1 | 1,5 | 0,30 | 0,25 | 0,15 |
| 650 | 1 000 | D – 28 | 9,5 | 2,0 | 0,45 | 0,30 | 0,20 |

* Extrusion gap values shown above are valid for a temperature of 80 °C, higher temperatures require lower values.

Ordering example

Profile
D x d x L [mm]
Sealing material / Energizer

Rotary seal R10-F
100 x 89 x 4,2
SKF Ecoflon 4 / NBR70

R10-F

Operating parameters

| Material Seal | Energiizer | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|-----------------|------------|-------------|------|---------------------|------------------------|
| | | from | to | max | max |
| – | | °C | | m/s | bar (MPa) |
| ■ SKF Ecoflon 4 | FPM75 | –20 | +200 | 0,4 | 350 (35) |
| | NBR70 | –30 | +100 | | |

IMPORTANT NOTE: The stated operating conditions represent general indications. It is recommended not to use all maximum values simultaneously.

¹⁾ Surface speed limit values are valid only in the presence of a lubrication film.

²⁾ Pressure ratings depend on the size of the extrusion gap.