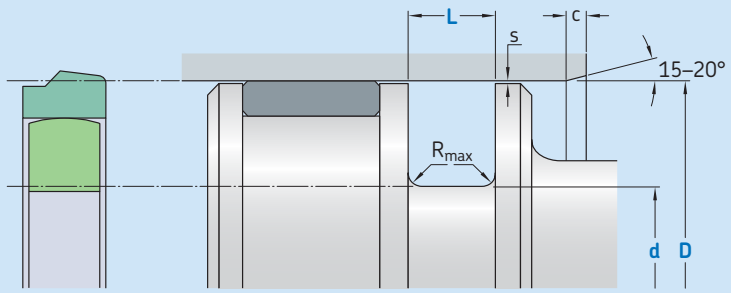
# K08-ES

## F-Slide




Ordering dimensions in **blue**

| Surface roughness | $R_{tmax}$ | $R_a$ |
|---|---|---|
| **Sliding surface** | ≤ 2 µm | 0,05–0,2 µm |
| **Bottom of groove** | ≤ 6,3 µm | ≤ 1,6 µm |
| **Groove face** | ≤ 15 µm | ≤ 3 µm |

Bearing area: 50–95% and a cutting depth of 0,5 $R_z$ based on $C_{ref}$ = 0%

| **Standard dimensions** | | | | | | **Maximal radial extrusion gap** | | | |
|---|---|---|---|---|---|---|---|---|---|
| D H9 | | d h10 | L + 0,2 | $R_{max}$ | c | s* | | | |
| over | incl. | | | | | 100 bar | 200 bar | 400 bar | 600 bar |
| mm | | | | | | mm | | | |
| **15** | **50** | D – 10 | 5,0 | 0,3 | 4,0 | 0,40 | 0,30 | 0,20 | 0,10 |
| **50** | **60** | D – 15 | 7,5 | 0,4 | 5,0 | 0,50 | 0,30 | 0,20 | 0,10 |
| **60** | **200** | D – 20 | 10,0 | 0,4 | 6,0 | 0,60 | 0,40 | 0,25 | 0,15 |
| **200** | **300** | D – 25 | 12,5 | 0,4 | 8,5 | 0,60 | 0,40 | 0,25 | 0,15 |
| **300** | **530** | D – 30 | 15,0 | 0,8 | 10,0 | 0,70 | 0,50 | 0,30 | 0,20 |
| **530** | **680** | D – 35 | 17,5 | 1,2 | 13,0 | 0,80 | 0,60 | 0,50 | 0,20 |
| **680** | **1 500** | D – 40 | 20,0 | 1,2 | 15,0 | 1,00 | 0,70 | 0,60 | 0,30 |

* The extrusion gap referred to is valid up to 80 °C and valid for the side opposite to the pressure side; higher temperatures require lower values.

**Ordering example**

| | |
|---|---|
| Profile | **F-Slide K08-ES** |
| D x d x L [mm] | **100 x 80 x 10** |
| Sealing material / Energizer | **SKF Ecoflon 3 / SKF Ecorubber-1** |

## Operating parameters

| Material Seal | Energizer | Temperature from | Temperature to | Speed[1] max | Pressure[2] max |
|---|---|---|---|---|---|
| – | | °C | | m/s | bar *(MPa)* |
| SKF Ecoflon 2<br>SKF Ecoflon 3<br>SKF Ecoflon 4 | SKF Ecorubber-1 | –30 | +100 | 10 | 600 *(60)* |
| | SKF Ecorubber-2 | –20 | +200 | | |

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.





PUB SE/P8 11837/1 · April 2015