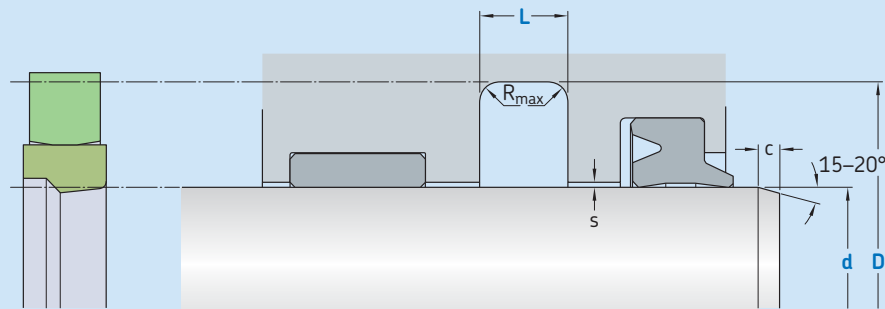


S09-ES

X-Slide



Ordering dimensions in **blue**

| Surface roughness | R_{tmax} | R_a |
|-------------------------|------------------|------------------|
| Sliding surface | $\leq 2,5 \mu m$ | $0,05-0,3 \mu m$ |
| Bottom of groove | $\leq 6,3 \mu m$ | $\leq 1,6 \mu m$ |
| Groove face | $\leq 15 \mu m$ | $\leq 3 \mu m$ |

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 | f8 | D | L | R_{max} | c | s^* | | | |
| over | incl. | H10 | + 0,2 | | | 100 bar | 200 bar | 400 bar | 600 bar |
| mm | | | | | | mm | | | |
| 4 | 50 | d + 10 | 5,0 | 0,2 | 4,0 | 0,50 | 0,40 | 0,30 | 0,20 |
| 50 | 60 | d + 15 | 7,5 | 0,3 | 5,0 | 0,50 | 0,40 | 0,30 | 0,20 |
| 60 | 200 | d + 20 | 10,0 | 0,4 | 6,0 | 0,70 | 0,50 | 0,40 | 0,20 |
| 200 | 300 | d + 25 | 12,5 | 0,4 | 8,5 | 0,80 | 0,60 | 0,50 | 0,30 |
| 300 | 530 | d + 30 | 15,0 | 0,8 | 10,0 | 0,90 | 0,70 | 0,60 | 0,30 |
| 530 | 680 | d + 35 | 17,5 | 1,2 | 11,5 | 1,00 | 0,80 | 0,70 | 0,30 |
| 680 | 1 500 | d + 40 | 20,0 | 1,2 | 13,0 | 1,10 | 0,90 | 0,80 | 0,40 |

* 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

X-Slide S09-ES
100 x 120 x 10
X-ECOPUR / SKF Ecorubber-1

Operating parameters

| Material Glide ring | Energizer | Temperature | | Speed ¹⁾ | Pressure ²⁾ |
|---|---|-------------|------|---------------------|------------------------|
| | | from | to | max | max |
| | | °C | | m/s | bar (MPa) |
| ■ G-ECOPUR 54D ■ X-ECOPUR ■ X-ECOPUR H ■ X-ECOPUR S | ■ SKF Ecorubber-1 ■ SKF Ecosil | -30 | +100 | 5 | 600 (60) |
| ■ SKF Ecowear 1000 | ■ SKF Ecorubber-1 ■ SKF Ecosil | -30 | +90 | | |

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.