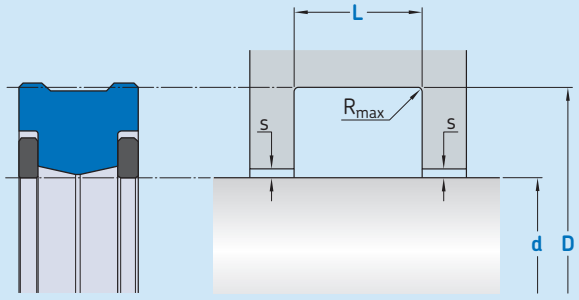
ROTARY SEAL
SEAL HOUSING

# DR03-P




Ordering dimensions in **blue**

| Surface roughness | $R_{tmax}$ | $R_a$ |
|---|---|---|
| **Sliding surface** | ≤ 2,5 µm | 0,1–0,5 µm |
| **Bottom of groove** | ≤ 6,3 µm | ≤ 1,6 µm |
| **Groove face** | ≤ 15 µm | ≤ 3 µm |

Hardness: Min 45 HRC (55 HRC recommended), 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**

| d[1) ] over | incl. | D H9 | L + 0,2 | $R_{max}$ | s |
|---|---|---|---|---|---|
| mm | | | | | |
| **21** | **22** | d + 8 | 6,5 | 0,2 | e8/H9 |
| **22** | **36** | d + 10 | 8 | 0,2 | e8/H9 |
| **36** | **56** | d + 12 | 8 | 0,2 | e8/H9 |
| **56** | **85** | d + 15 | 11 | 0,2 | f7/H7 |
| **85** | **140** | d + 20 | 13 | 0,2 | f7/H7 |
| **140** | **200** | d + 25 | 16 | 0,2 | f7/H7 |

[1)] Tolerance area shaft ≤ 56 mm → e8, > 56 mm → f7

**Ordering example**

| | |
|---|---|
| Profile | **Rotary seal DR03-P** |
| d x D x L [mm] | **100 x 120 x 13** |
| Sealing material / Backup ring | **ECOPUR DD / SKF Ecotal** |

## DR03-P

### Operating parameters

| Material | | Temperature | | Speed[1] | Pressure[2] |
|---|---|---|---|---|---|
| Seal | Back-up ring | from | to | max | max |
| – | | °C | | m/s | bar *(MPa)* |
| ECOPUR DD | SKF Ecotal | –30 | +100 | 0,2 | 400 *(40)* |

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.





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