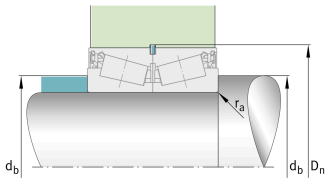


**FAG****JK0S070-A**

Tapered roller bearing

Tapered roller bearings JK0S, integral tapered roller bearings, lip seal on one side, diameter series 0

Technical information



Your current product variant

| | | |
|-----------------|----------|--|
| Tolerance class | PN | Normal (ISO 492:2014) |
| Heat treatment | Standard | |
| Cage | TVP | Cage made of glass-fiber reinforced plastic, window cage |
| Number of rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|--|
| d | 70 mm | Bore diameter |
| D | 110 mm | Outside diameter |
| B | 27 mm | Width, inner ring |
| C | 26,5 mm | Width, outer ring |
| C _r | 104.000 N | Basic dynamic load rating, radial |
| C _{0r} | 159.000 N | Basic static load rating, radial |
| C _{ur} | 20.100 N | Fatigue load limit, radial |
| n _G | 2.900 1/min | Limiting speed |
| F _{BR} | 49.000 N | Load carrying capacity of snap ring connection |
| | 20.800 N | Maximum axial clamping force |
| ≈m | 0,9 kg | Weight |



Mounting dimensions

| | | |
|--------------|----------|------------------------------------|
| $d_{a \max}$ | 78 mm | Maximum diameter of shaft shoulder |
| $d_{b \min}$ | 77 mm | Minimum diameter of shaft shoulder |
| $r_{a \max}$ | 1,5 mm | Maximum fillet radius of shaft |
| D_n | 112,3 mm | Groove diameter at housing |
| ΔD_n | 0,22 mm | Upper limit deviation |

Dimensions

| | | |
|----------------|----------|---|
| $r_{1,2 \min}$ | 1,5 mm | Minimum chamfer dimension of inner ring back face |
| D_1 | 104,8 mm | Diameter of groove |
| $m/2$ | 1,25 mm | Width of groove |
| a | 25 mm | Distance between the apexes of the pressure cones |
| d_1 | 91,5 mm | Guidance rib diameter of inner ring |
| u | 0,03 mm | Stand out inner to outer ring |
| Δu | 0,05 mm | Upper limit deviation |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 110 °C | Operating temperature max. |

Calculation factors

| | | |
|-------|------|--|
| e | 0,43 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y | 1,38 | Dynamic axial load factor |
| Y_0 | 0,76 | Static axial load factor |

Additional information

BR110

Snap ring



Characteristics



Radial load



Axial load in one direction



Grease Lubrication



Sealed on one side