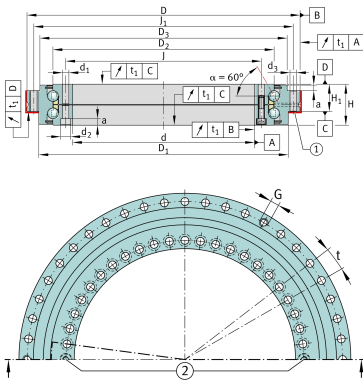


**ZKLDF150**

Axial angular contact ball bearing

Axial angular contact ball bearings ZKLDF, double direction, for screw mounting, sealing shields on both sides

Technical information



Your current product variant

| | |
|------------|---|
| Generation | B |
|------------|---|

Main Dimensions & Performance Data

| | | |
|-------------|-------------|----------------------------------|
| d | 150 mm | Bore diameter |
| | 0 mm | Bore diameter upper tolerance |
| | -0,013 mm | Bore diameter lower tolerance |
| D | 240 mm | Flange diameter |
| | 0 mm | Flange diameter upper tolerance |
| | -0,015 mm | Flange diameter lower tolerance |
| H | 40 mm | Height |
| n_G | 3.600 1/min | Limiting speed |
| C_a | 81.000 N | Basic dynamic load rating, axial |
| C_{0a} | 380.000 N | Basic static load rating, axial |
| C_{ua} | 12.600 N | Fatigue load limit, axial |
| $\approx m$ | 5,5 kg | Weight |



Mounting dimensions

| | | |
|----------------|--------|--|
| J | 165 mm | Pitch circle diameter fixing holes in inner ring |
| J ₁ | 225 mm | Pitch circle diameter fixing holes in outer ring |
| d ₁ | 7 mm | Fixing holes diameter inner ring |
| d ₂ | 11 mm | Counterbore diameter of fixing holes |
| a | 6,2 mm | Counterbore depth of fixing holes |
| | 34 | Quantity of fixing holes inner ring |
| d ₃ | 7 mm | Fixing holes diameter outer ring |
| | 33 | Quantity of fixing holes outer ring |
| n | 36 | Pitch quantity |
| t | 10 ° | Pitch separation angle |
| G | M8 | Threaded extraction hole |
| | 3 | Quantity of threaded extraction hole |
| M _A | 14 Nm | Screw tightening torque |
| | 2 | Quantity of retaining screws |

Dimensions

| | | |
|----------------|-----------|---|
| H ₁ | 26 mm | Height contact face outer ring |
| | 0,175 mm | Height contact face outerring H1 upper tolerance |
| | -0,175 mm | Height contact face outerring H1 lower tolerance |
| D ₁ | 214 mm | Outside diameter D1 |
| D ₂ | 188 mm | Rib diameter inner ring |
| D ₃ | 211 mm | Outside diameter D3 |
| t ₁ | 3 µm | Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction. |

Temperature range








| | | |
|------------------|--------|----------------------------|
| T _{min} | -30 °C | Operating temperature min. |
| T _{max} | 120 °C | Operating temperature max. |



Additional information

| | | |
|----------|------------------|---|
| c_{aL} | 1.700 N/ μ m | Axial rigidity of bearing position |
| c_{rL} | 400 N/ μ m | Radial rigidity of bearing position |
| c_{kL} | 7.800 Nm/mrad | Tilting rigidity of bearing position |
| c_{aL} | 2.900 N/ μ m | Axial rigidity of rolling element set |
| c_{rW} | 400 N/ μ m | Radial rigidity of rolling element set |
| c_{kW} | 12.000 Nm/mrad | Tilting rigidity of rolling element set |

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Moments about all axes
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides