**ZKLF2068-2RS-XL**

Axial angular contact ball bearing

Axial angular contact ball bearings
ZKLF.-2RS, double direction, for screw
mounting, lip seals on both sides

X-life

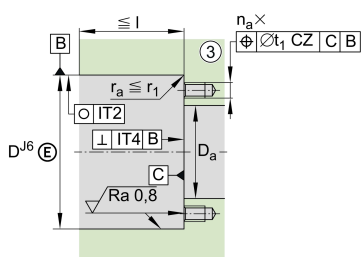
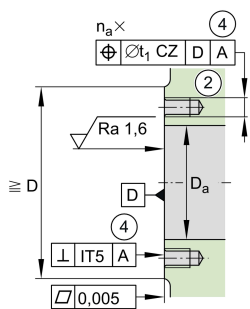
Technical information

Your current product variant

| | | |
|-----------------|----------|---------------------------------|
| Sealing | 2RS | Contact lip seals on both sides |
| Tolerance class | Standard | |

Main Dimensions & Performance Data

| | | |
|--------------------------|-------------|---------------------------------------|
| d | 20 mm | Bore diameter |
| | 0 mm | Bore diameter upper tolerance |
| | -0,005 mm | Bore diameter lower tolerance |
| D | 68 mm | Outside diameter |
| | 0 mm | Outside diameter upper tolerance |
| | -0,01 mm | Outside diameter lower tolerance |
| B | 28 mm | Width |
| | 0 mm | Width upper tolerance |
| | -0,25 mm | Width lower tolerance |
| C _a | 28.500 N | Basic dynamic load rating, axial |
| C _{0a} | 47.000 N | Basic static load rating, axial |
| C _{ua} | 2.850 N | Fatigue load limit, axial |
| n _G Grease | 6.600 1/min | Limiting speed for grease lubrication |
| n _g | 3.000 1/min | Thermally safe operating speed |
| M _R | 0,3 Nm | Bearing frictional torque |
| ≈m | 0,594 kg | Weight |





Mounting dimensions

| | | |
|--------------|--------|--|
| $D_{a \max}$ | 43 mm | Maximum diameter of housing |
| $d_{a \min}$ | 25 mm | Minimum diameter shaft |
| t_1 | 0,1 mm | Position tolerance of bore in the housing |
| | M6 | Size of fixing screws |
| n_a | 4 | Number of holes in adjacent construction |
| t_a | 90 ° | Pitch separation angle of holes in adjacent construction |
| | M6 | Connection thread for lubrication |

Dimensions

| | | |
|--------------|---------|--|
| d_1 | 34,5 mm | Rib diameter inner ring |
| r_{\min} | 0,3 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 0,6 mm | Minimum chamfer dimension |
| J | 53 mm | Pitch circle diameter fixing holes |
| d_2 | 6,8 mm | Fixing holes diameter |
| b | 3 mm | Width of extraction slot |
| l | 19 mm | Distance of extraction slot |
| n | 8 | Pitch quantity of fixing holes |
| t | 45 ° | Pitch separation angle of fixing holes |
| a | 60 ° | Contact angle |

Temperature range







| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 120 °C | Operating temperature max. |



Additional information

| | | |
|----------|--------------------------|---|
| c_{aL} | 650 N/ μ m | Rigidity axial |
| c_{kL} | 140 Nm/mrad | Tilting rigidity |
| M_m | 0,273 kg*cm ² | Mass moment of inertia |
| | 2 μ m | Axial runout |
| | ZM20 | Recommended INA precision locknut for radial locking |
| | AM20 | Recommended INA precision locknut for axial locking |
| M_A | 18 Nm | Tightening torque for the recommended INA precision locknut |
| | 8.258 N | Required locknut force axial |

Characteristics

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