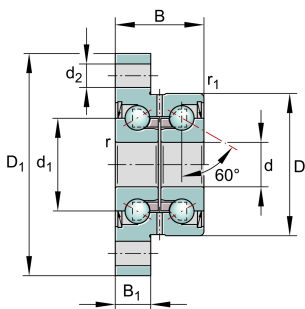
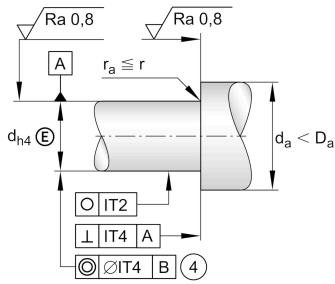
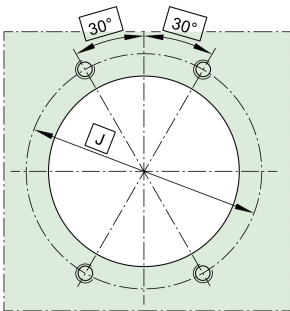


**ZKLFA1050-2RS**

Axial angular contact ball bearing

Angular contact ball bearing units
ZKLFA..-2RS, double direction, for screw
mounting, lip seals on both sides, with
flattened flange

Technical information

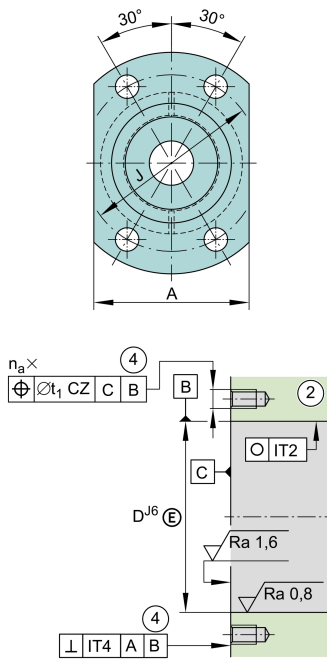


Your current product variant

| | | |
|---------|-----|--------------------------------|
| Sealing | 2RS | Contact lip seal on both sides |
|---------|-----|--------------------------------|

Main Dimensions & Performance Data

| | | |
|--------------------------|--------------|---------------------------------------|
| d | 10 mm | Bore diameter |
| | 0 mm | Bore diameter upper tolerance |
| | -0,005 mm | Bore diameter lower tolerance |
| D | 32 mm | Outside diameter |
| | 0 mm | Outside diameter upper tolerance |
| | -0,01 mm | Outside diameter lower tolerance |
| B | 20 mm | Width |
| | 0 mm | Width upper tolerance |
| | -0,25 mm | Width lower tolerance |
| C _a | 13.400 N | Basic dynamic load rating, axial |
| C _{0a} | 18.800 N | Basic static load rating, axial |
| C _{ua} | 850 N | Fatigue load limit, axial |
| n _G Grease | 10.900 1/min | Limiting speed for grease lubrication |
| n _g | 4.600 1/min | Thermally permissible speed |
| m | 0,124 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|------------------------------------|
| $d_{a \min}$ | 14 mm | Minimum diameter shaft shoulder |
| $d_{a \max}$ | 27 mm | Maximum diameter of shaft shoulder |
| t_1 | 0,1 mm | Position tolerance |
| | M5 | Screw size |

| | | |
|-------|---|------------------|
| n_a | 4 | Number of screws |
|-------|---|------------------|

Dimensions

| | | |
|--------------|--------|-------------------------------|
| d_1 | 21 mm | Rib diameter inner ring |
| r_{\min} | 0,3 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 0,6 mm | Minimum chamfer dimension |
| B_1 | 8 mm | Thickness of flange |
| d_2 | 5,5 mm | Fixing boring diameter |
| J | 40 mm | Pitch circle diameter (holes) |
| A | 35 mm | Flange width |

Temperature range

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

Additional information

| | | |
|----------|----------------------------------|---|
| M_{RL} | 0,12 Nm | Bearing friction torque |
| c_{aL} | 325 N/ μ m | Rigidity axial |
| c_{kL} | 25 Nm/mrad | Tilting stiffness |
| M_m | 0,029 kg \cdot cm ² | Mass moment of inertia |
| | 2 μ m | Axial runout |
| | ZM10 | Recommended INA precision locknut for radial locking (not included) |
| M_A | 6 Nm | Tightening torque nut |
| | 4,891 N | 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