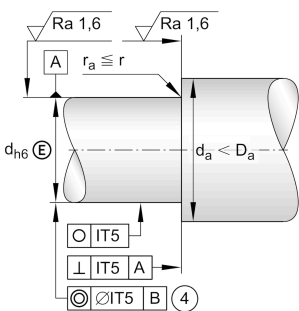
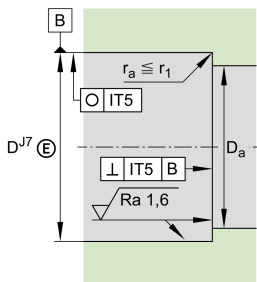
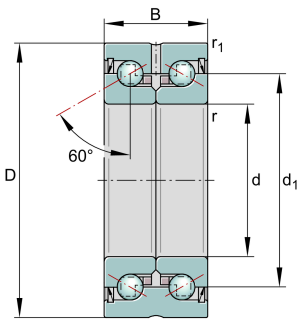
**ZKLN1545-2RS-PE**

Axial angular contact ball bearing

Axial angular contact ball bearings
ZKLN..-2RS-PE, Increased tolerances,
double direction, lip seals on both sides

Technical information



Your current product variant

| | | |
|-----------------|-----|---------------------------------|
| Sealing | 2RS | Contact lip seals on both sides |
| Tolerance class | PE | Less stringent bearing design |

Main Dimensions & Performance Data

| | | |
|--------------------------|-------------|---------------------------------------|
| d | 15 mm | Bore diameter |
| | 0 mm | Bore diameter upper tolerance |
| | -0,01 mm | Bore diameter lower tolerance |
| D | 45 mm | Outside diameter |
| | 0 mm | Outside diameter upper tolerance |
| | -0,011 mm | Outside diameter lower tolerance |
| B | 25 mm | Width |
| | 0 mm | Width upper tolerance |
| | -0,25 mm | Width lower tolerance |
| C _a | 18.000 N | Basic dynamic load rating, axial |
| C _{0a} | 28.500 N | Basic static load rating, axial |
| C _{ua} | 1.300 N | Fatigue load limit, axial |
| n _G Grease | 8.200 1/min | Limiting speed for grease lubrication |
| n _g | 3.500 1/min | Thermally safe operating speed |
| M _R | 0,2 Nm | Bearing frictional torque |
| ≈m | 0,219 kg | Weight |



Mounting dimensions

| | | |
|--------------|-------|-----------------------------|
| $D_{a \max}$ | 35 mm | Maximum diameter of housing |
| $d_{a \min}$ | 20 mm | Minimum diameter shaft |

Dimensions

| | | |
|--------------|--------|---------------------------|
| d_1 | 28 mm | Rib diameter inner ring |
| r_{\min} | 0,3 mm | Minimum chamfer dimension |
| $r_{1 \min}$ | 0,6 mm | Minimum chamfer dimension |
| α | 60 ° | Contact angle |

Temperature range

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

Additional information

| | | |
|----------|--------------------------|---|
| c_{aL} | 400 N/μm | Rigidity axial |
| c_{kL} | 65 Nm/mrad | Tilting rigidity |
| M_m | 0,102 kg*cm ² | Mass moment of inertia |
| | 5 μm | Axial runout |
| | ZM15 | Recommended INA precision locknut for radial locking |
| | AM15 | Recommended INA precision locknut for axial locking |
| M_A | 10 Nm | Tightening torque for the recommended INA precision locknut |
| | 5.484 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