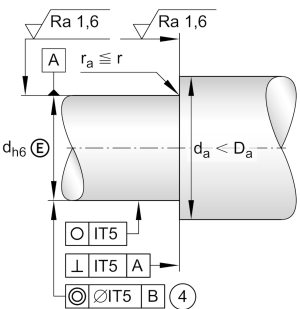
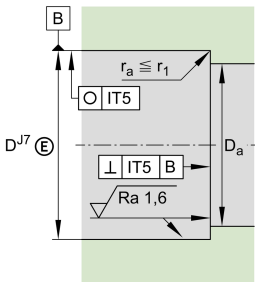
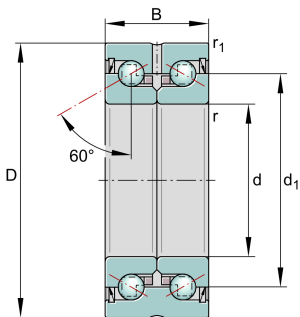


**ZKLN1747-2RS-PE**

Axial angular contact ball bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

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

Main Dimensions & Performance Data

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 17 mm       | Bore diameter                         |
|                          | 0 mm        | Bore diameter upper tolerance         |
|                          | -0,01 mm    | Bore diameter lower tolerance         |
| D                        | 47 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 <sub>a</sub>           | 18.900 N    | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 31.500 N    | Basic static load rating, axial       |
| C <sub>ua</sub>          | 1.440 N     | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 7.600 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 3.300 1/min | Thermally safe operating speed        |
| M <sub>R</sub>           | 0,24 Nm     | Bearing frictional torque             |
| ≈m                       | 0,234 kg    | Masa                                  |



Mounting dimensions

|         |       |                             |
|---------|-------|-----------------------------|
| D a max | 37 mm | Maximum diameter of housing |
| d a min | 23 mm | Minimum diameter shaft      |

Dimensions

|         |        |                           |
|---------|--------|---------------------------|
| d 1     | 30 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 | 450 N/μm     | Rigidity axial                                              |
| c kL | 80 Nm/mrad   | Tilting rigidity                                            |
| M m  | 0,132 kg*cm2 | Mass moment of inertia                                      |
|      | 5 μm         | Axial runout                                                |
|      | ZM17         | Recommended INA precision locknut for radial locking        |
|      | AM17         | Recommended INA precision locknut for axial locking         |
| M A  | 15 Nm        | Tightening torque for the recommended INA precision locknut |
|      | 7.514 N      | Required locknut force axial                                |



### Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne