

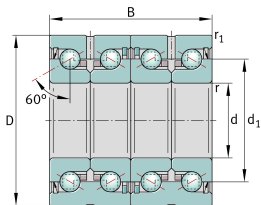
**ZKLN1747-2Z-2AP-XL**

Axial angular contact ball bearing

Axial angular contact ball bearings  
ZKLN...-2Z-2AP-XL, matched pair, double  
direction, gap seals on both sides

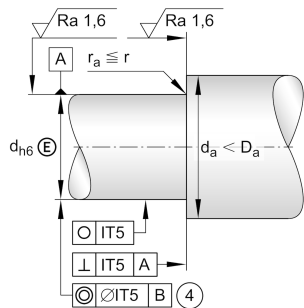
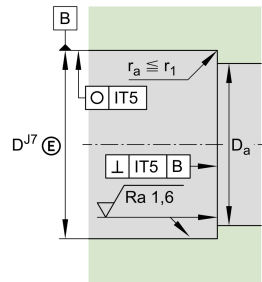
X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                    |          |                                                      |
|--------------------|----------|------------------------------------------------------|
| Sealing            | 2Z       | Minimal gap seal on both sides                       |
| Tolerance class    | Standard |                                                      |
| Number of bearings | 2AP      | Axial angular contact ball bearings,<br>matched pair |



### Main Dimensions & Performance Data

|                          |              |                                       |
|--------------------------|--------------|---------------------------------------|
| d                        | 17 mm        | Bore diameter                         |
|                          | 0 mm         | Bore diameter upper tolerance         |
|                          | -0,005 mm    | Bore diameter lower tolerance         |
| D                        | 47 mm        | Outside diameter                      |
|                          | 0 mm         | Outside diameter upper tolerance      |
|                          | -0,01 mm     | Outside diameter lower tolerance      |
| B                        | 50 mm        | Width                                 |
|                          | 0 mm         | Width upper tolerance                 |
|                          | -0,5 mm      | Width lower tolerance                 |
| C <sub>a</sub>           | 34.000 N     | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 63.000 N     | Basic static load rating, axial       |
| C <sub>ua</sub>          | 3.850 N      | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 10.100 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 6.600 1/min  | Thermally safe operating speed        |
| M <sub>R</sub>           | 0,24 Nm      | Bearing frictional torque             |
| ≈m                       | 0,471 kg     | Masa                                  |

### Mounting dimensions

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

### Dimensions

|                    |        |                           |
|--------------------|--------|---------------------------|
| d <sub>1</sub>     | 30 mm  | Rib diameter inner ring   |
| r <sub>min</sub>   | 0,3 mm | Minimum chamfer dimension |
| r <sub>1 min</sub> | 0,6 mm | Minimum chamfer dimension |
| α                  | 60 °   | Contact angle             |



Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |

Additional information

|                 |              |                                                             |
|-----------------|--------------|-------------------------------------------------------------|
| c <sub>aL</sub> | 800 N/μm     | Rigidity axial                                              |
| c <sub>kL</sub> | 200 Nm/mrad  | Tilting rigidity                                            |
| M <sub>m</sub>  | 0,264 kg*cm2 | Mass moment of inertia                                      |
|                 | 2 μm         | Axial runout                                                |
|                 | ZM17         | Recommended INA precision locknut for radial locking        |
|                 | AM17         | Recommended INA precision locknut for axial locking         |
| M <sub>A</sub>  | 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            |