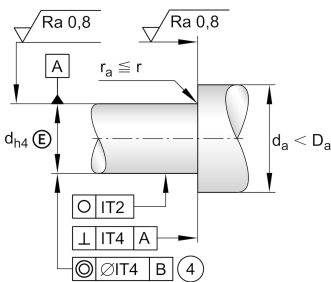
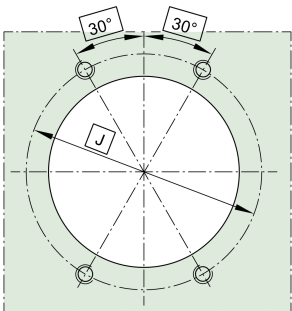
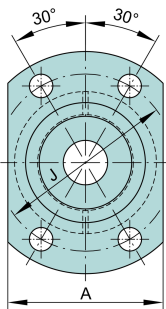


**ZKLFA0630-2Z**

Axial angular contact ball bearing

Angular contact ball bearing units  
ZKLFA.-2Z, double direction, for screw  
mounting, gap seals on both sides

Informacje techniczne

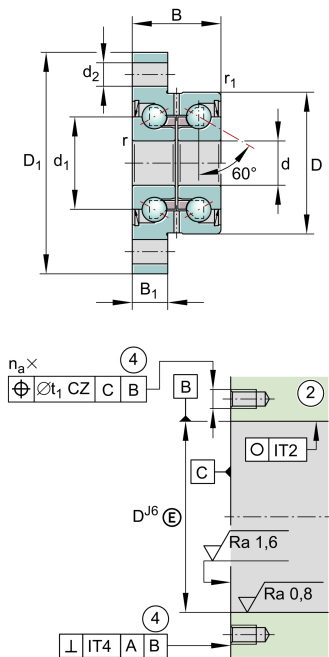


Twoja aktualna wersja produktu

|         |    |                                |
|---------|----|--------------------------------|
| Sealing | 2Z | Minimal gap seal on both sides |
|---------|----|--------------------------------|

Main Dimensions & Performance Data

|                          |              |                                       |
|--------------------------|--------------|---------------------------------------|
| d                        | 6 mm         | Bore diameter                         |
|                          | 0,002 mm     | Bore diameter upper tolerance         |
|                          | -0,003 mm    | Bore diameter lower tolerance         |
| D                        | 19 mm        | Outside diameter                      |
|                          | 0 mm         | Outside diameter upper tolerance      |
|                          | -0,01 mm     | Outside diameter lower tolerance      |
| B                        | 12 mm        | Width                                 |
|                          | 0 mm         | Width upper tolerance                 |
|                          | -0,25 mm     | Width lower tolerance                 |
| C <sub>a</sub>           | 4.550 N      | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 5.700 N      | Basic static load rating, axial       |
| C <sub>ua</sub>          | 260 N        | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 22.800 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 14.000 1/min | Thermally permissible speed           |
| ≈m                       | 38,5 g       | Masa                                  |



### Mounting dimensions

|                    |        |                                    |
|--------------------|--------|------------------------------------|
| d <sub>a min</sub> | 9 mm   | Minimum diameter shaft shoulder    |
| d <sub>a max</sub> | 15 mm  | Maximum diameter of shaft shoulder |
| t <sub>1</sub>     | 0,1 mm | Position tolerance                 |
|                    | M3     | Screw size                         |

|                |   |                  |
|----------------|---|------------------|
| n <sub>a</sub> | 4 | Number of screws |
|----------------|---|------------------|

### Dimensions

|                    |        |                               |
|--------------------|--------|-------------------------------|
| d <sub>1</sub>     | 12 mm  | Rib diameter inner ring       |
| r <sub>min</sub>   | 0,3 mm | Minimum chamfer dimension     |
| r <sub>1 min</sub> | 0,3 mm | Minimum chamfer dimension     |
| B <sub>1</sub>     | 5 mm   | Thickness of flange           |
| d <sub>2</sub>     | 3,5 mm | Fixing boring diameter        |
| J                  | 24 mm  | Pitch circle diameter (holes) |
| A                  | 22 mm  | Flange width                  |

### Temperature range

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

### Additional information

|                 |                          |                                                                     |
|-----------------|--------------------------|---------------------------------------------------------------------|
| M <sub>RL</sub> | 0,01 Nm                  | Bearing friction torque                                             |
| c <sub>aL</sub> | 150 N/μm                 | Rigidity axial                                                      |
| c <sub>kL</sub> | 4 Nm/mrad                | Tilting stiffness                                                   |
| M <sub>m</sub>  | 0,002 kg*cm <sup>2</sup> | Mass moment of inertia                                              |
|                 | 2 μm                     | Axial runout                                                        |
|                 | ZM06                     | Recommended INA precision locknut for radial locking (not included) |
| M <sub>A</sub>  | 2 Nm                     | Tightening torque nut                                               |
|                 | 2.010 N                  | Locknut force axial                                                 |



### Właściwości

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