

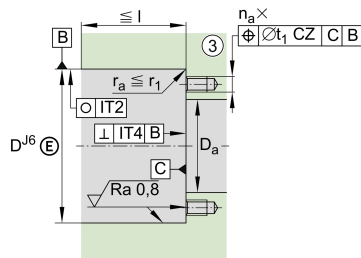
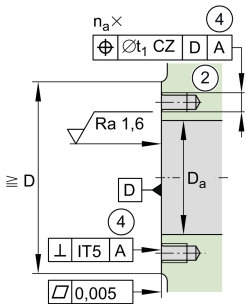
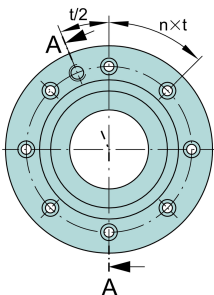
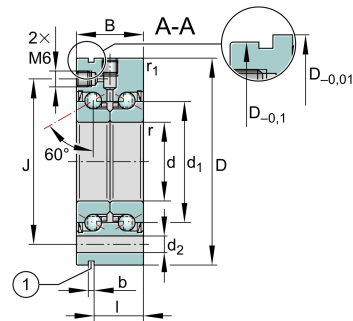
ZKLF80165-2Z-XL

Axial angular contact ball bearing

Axial angular contact ball bearings ZKLF..-2Z, double direction, for screw mounting, gap seals on both sides

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                 |          |                                |
|-----------------|----------|--------------------------------|
| Sealing         | 2Z       | Minimal gap seal on both sides |
| Tolerance class | Standard |                                |

Main Dimensions & Performance Data

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 80 mm       | Bore diameter                         |
|                          | 0 mm        | Bore diameter upper tolerance         |
|                          | -0,008 mm   | Bore diameter lower tolerance         |
| D                        | 165 mm      | Outside diameter                      |
|                          | 0 mm        | Outside diameter upper tolerance      |
|                          | -0,015 mm   | Outside diameter lower tolerance      |
| B                        | 45 mm       | Width                                 |
|                          | 0 mm        | Width upper tolerance                 |
|                          | -0,25 mm    | Width lower tolerance                 |
| C <sub>a</sub>           | 100.000 N   | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 265.000 N   | Basic static load rating, axial       |
| C <sub>ua</sub>          | 15.800 N    | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 3.600 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 2.700 1/min | Thermally safe operating speed        |
| M <sub>R</sub>           | 1,4 Nm      | Bearing frictional torque             |
| ≈m                       | 4,79 kg     | Masa                                  |



Mounting dimensions

|                    |        |                                                          |
|--------------------|--------|----------------------------------------------------------|
| D <sub>a</sub> max | 120 mm | Maximum diameter of housing                              |
| d <sub>a</sub> min | 102 mm | Minimum diameter shaft                                   |
| t <sub>1</sub>     | 0,2 mm | Position tolerance of bore in the housing                |
|                    | M8     | Size of fixing screws                                    |
| n <sub>a</sub>     | 8      | Number of holes in adjacent construction                 |
| t <sub>a</sub>     | 45 °   | Pitch separation angle of holes in adjacent construction |

M6 Connection thread for lubrication

Dimensions

|                    |        |                                        |
|--------------------|--------|----------------------------------------|
| d <sub>1</sub>     | 105 mm | Rib diameter inner ring                |
| r <sub>min</sub>   | 0,6 mm | Minimum chamfer dimension              |
| r <sub>1 min</sub> | 0,6 mm | Minimum chamfer dimension              |
| J                  | 140 mm | Pitch circle diameter fixing holes     |
| d <sub>2</sub>     | 8,8 mm | Fixing holes diameter                  |
| b                  | 3 mm   | Width of extraction slot               |
| l                  | 35 mm  | Distance of extraction slot            |
| n                  | 8      | Pitch quantity of fixing holes         |
| t                  | 45 °   | Pitch separation angle of fixing holes |
| a                  | 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

|          |                  |                                                             |
|----------|------------------|-------------------------------------------------------------|
| $c_{aL}$ | 1.600 N/ $\mu$ m | Rigidity axial                                              |
| $c_{kL}$ | 3.000 Nm/mrad    | Tilting rigidity                                            |
| $M_m$    | 27,6 kg*cm2      | Mass moment of inertia                                      |
|          | 3 $\mu$ m        | Axial runout                                                |
|          | ZMA80/120        | Recommended INA precision locknut for radial locking        |
|          | AM80             | Recommended INA precision locknut for axial locking         |
| $M_A$    | 160 Nm           | Tightening torque for the recommended INA precision locknut |
|          | 20.604 N         | Required locknut force axial                                |

Właściwości

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