

FAG

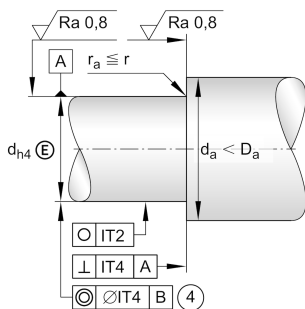
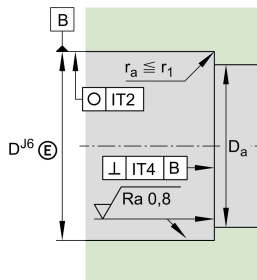
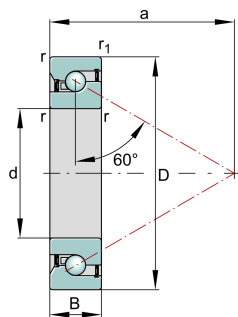
X-life

**BSB60120-2Z-SU-XL**

Axial angular contact ball bearing

Axial angular contact ball bearing BSB...-2Z-SU-XL, single direction, no screw mounting

## Informacje techniczne



## Twoja aktualna wersja produktu

|              |          |                                |
|--------------|----------|--------------------------------|
| Cage         | Standard | Polyamide cage                 |
| Type of Seal | 2Z       | Minimal gap seal on both sides |

## Main Dimensions &amp; Performance Data

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 60 mm       | Bore diameter                         |
|                          | 0 mm        | Bore diameter upper tolerance         |
|                          | -0,007 mm   | Bore diameter lower tolerance         |
| D                        | 120 mm      | Outside diameter                      |
|                          | 0 mm        | Outside diameter upper tolerance      |
|                          | -0,008 mm   | Outside diameter lower tolerance      |
| B                        | 20 mm       | Width                                 |
|                          | 0 mm        | Width upper tolerance                 |
|                          | -0,15 mm    | Width lower tolerance                 |
| C <sub>a</sub>           | 71.000 N    | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 196.000 N   | Basic static load rating, axial       |
| C <sub>ua</sub>          | 11.900 N    | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 3.800 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 2.300 1/min | Thermally safe operating speed        |
| ≈m                       | 1,12 kg     | Masa                                  |



Mounting dimensions

|                |          |                               |
|----------------|----------|-------------------------------|
| D <sub>a</sub> | 100,5 mm | Diameter of housing           |
| D <sub>a</sub> | H12      | Diameter of housing clearance |
| d <sub>a</sub> | 79,5 mm  | Diameter shaft                |
| d <sub>a</sub> | h12      | Diameter shaft clearance      |

Dimensions

|                    |        |                                                   |
|--------------------|--------|---------------------------------------------------|
| r <sub>min</sub>   | 1,5 mm | Minimum chamfer dimension                         |
| r <sub>1 min</sub> | 1,5 mm | Minimum chamfer dimension                         |
| a                  | 88 mm  | Distance between the apexes of the pressure cones |
| 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

|                 |            |                                                             |
|-----------------|------------|-------------------------------------------------------------|
| M <sub>R</sub>  | 0,38 Nm    | Bearing frictional torque                                   |
| c <sub>aL</sub> | 1.623 N/μm | Rigidity axial                                              |
|                 | 3 μm       | Axial runout                                                |
|                 | ZM60       | Recommended INA precision locknut for radial locking        |
|                 | AM60       | Recommended INA precision locknut for axial locking         |
| M <sub>A</sub>  | 120 Nm     | Tightening torque for the recommended INA precision locknut |
|                 | 20.020 N   | Required locknut force axial                                |



### Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne