

**FAG**

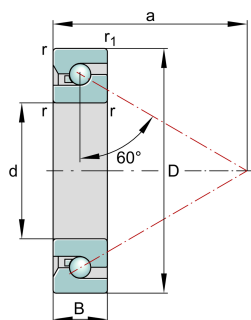
## BSB2047-SU-XL [↗](#)

Axial angular contact ball bearing

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

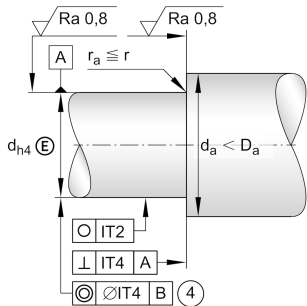
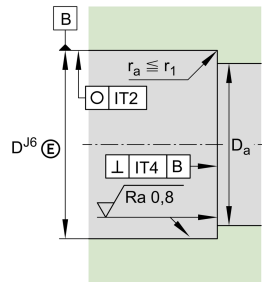
**X-life**

### Informacje techniczne



#### Twoja aktualna wersja produktu

|                         |          |                |
|-------------------------|----------|----------------|
| Cage                    | Standard | Polyamide cage |
| Type of Seal            | Without  |                |
| Arrangement bearing set | SU       | Single bearing |
| Lubricant               | Without  | Not greased    |



### Main Dimensions & Performance Data

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 20 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      |
|                          | -0,006 mm   | Outside diameter lower tolerance      |
| B                        | 15 mm       | Width                                 |
|                          | 0 mm        | Width upper tolerance                 |
|                          | -0,12 mm    | Width lower tolerance                 |
| C <sub>a</sub>           | 28.500 N    | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 47.000 N    | Basic static load rating, axial       |
| C <sub>ua</sub>          | 2.850 N     | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 8.700 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 6.200 1/min | Thermally safe operating speed        |
| ≈m                       | 0,121 kg    | Masa                                  |

### Mounting dimensions

|                |       |                               |
|----------------|-------|-------------------------------|
| D <sub>a</sub> | 43 mm | Diameter of housing           |
| D <sub>a</sub> | H12   | Diameter of housing clearance |
| d <sub>a</sub> | 27 mm | Diameter shaft                |
| d <sub>a</sub> | h12   | Diameter shaft clearance      |

### Dimensions

|                    |         |                                                   |
|--------------------|---------|---------------------------------------------------|
| r <sub>min</sub>   | 1 mm    | Minimum chamfer dimension                         |
| r <sub>1 min</sub> | 0,6 mm  | Minimum chamfer dimension                         |
| a                  | 29,9 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>  | 0,08 Nm  | Bearing frictional torque                                   |
| c <sub>aL</sub> | 764 N/μm | Rigidity axial                                              |
|                 | 2 μm     | Axial runout                                                |
|                 | ZM20     | Recommended INA precision locknut for radial locking        |
|                 | AM20     | Recommended INA precision locknut for axial locking         |
| M <sub>A</sub>  | 18 Nm    | Tightening torque for the recommended INA precision locknut |
|                 | 9.000 N  | Required locknut force axial                                |

Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |