

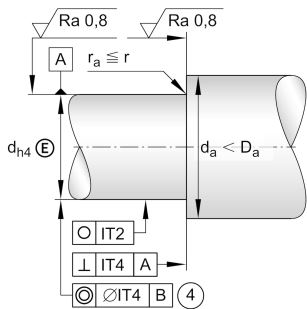
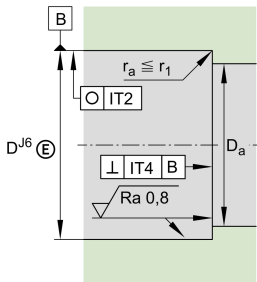
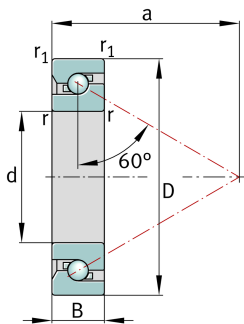
FAG

7603030-TVP

Axial angular contact ball bearing

Axial angular contact ball bearings 7603, single direction, with contact angle  $\alpha = 60^\circ$ , restricted tolerances

Informacje techniczne



Twoja aktualna wersja produktu

|                         |          |                |
|-------------------------|----------|----------------|
| Cage                    | TVP      | Plastic cage   |
| Sealing                 | Without  |                |
| Arrangement bearing set | Standard | Single bearing |
| Lubricant               | Without  | Not greased    |

Main Dimensions & Performance Data

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 30 mm       | Bore diameter                         |
|                          | 0 mm        | Bore diameter upper tolerance         |
|                          | -0,005 mm   | Bore diameter lower tolerance         |
| D                        | 72 mm       | Outside diameter                      |
|                          | 0 mm        | Outside diameter upper tolerance      |
|                          | -0,007 mm   | Outside diameter lower tolerance      |
| B                        | 19 mm       | Width                                 |
|                          | 0 mm        | Width upper tolerance                 |
|                          | -0,12 mm    | Width lower tolerance                 |
| C <sub>a</sub>           | 36.500 N    | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 89.000 N    | Basic static load rating, axial       |
| C <sub>ua</sub>          | 4.050 N     | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 5.700 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 3.200 1/min | Thermally safe operating speed        |
| ≈m                       | 362 g       | Masa                                  |



### Mounting dimensions

|       |       |                               |
|-------|-------|-------------------------------|
| $D_a$ | 61 mm | Diameter of housing           |
| $D_a$ | H12   | Diameter of housing clearance |
| $d_a$ | 45 mm | Diameter shaft                |
| $d_a$ | h12   | Diameter shaft clearance      |

### Dimensions

|             |         |                                                   |
|-------------|---------|---------------------------------------------------|
| $r_{min}$   | 1,1 mm  | Minimum chamfer dimension                         |
| $r_{1 min}$ | 1,1 mm  | Minimum chamfer dimension                         |
| $a$         | 55,5 mm | Distance between the apexes of the pressure cones |
| $\alpha$    | 60 °    | Contact angle                                     |

### Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 120 °C | Operating temperature max. |

### Additional information

|          |            |                                                             |
|----------|------------|-------------------------------------------------------------|
| $M_R$    | 0,13 Nm    | Bearing frictional torque                                   |
| $c_{aL}$ | 1.073 N/μm | Rigidity axial                                              |
|          | 2 μm       | Axial runout                                                |
|          | ZM30       | Recommended INA precision locknut for radial locking        |
|          | AM30       | Recommended INA precision locknut for axial locking         |
| $M_A$    | 55 Nm      | Tightening torque for the recommended INA precision locknut |
|          | 16.180 N   | Required locknut force axial                                |



### Właściwości

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Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Bez uszczelnienia