

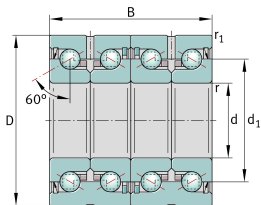
**ZKLN4075-2RS-2AP-XL**

Axial angular contact ball bearing

Axial angular contact ball bearings  
ZKLN...-2RS-2AP-XL, matched pair, double  
direction, lip seals on both sides

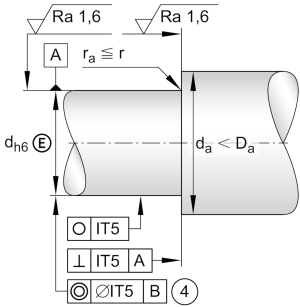
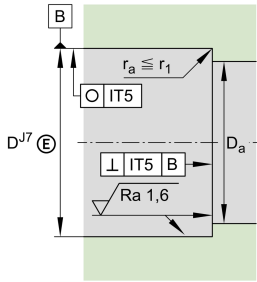
X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                    |          |                                                      |
|--------------------|----------|------------------------------------------------------|
| Sealing            | 2RS      | Contact lip seals on both sides                      |
| Tolerance class    | Standard |                                                      |
| Number of bearings | 2AP      | Axial angular contact ball bearings,<br>matched pair |



### Main Dimensions & Performance Data

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 40 mm       | Bore diameter                         |
|                          | 0 mm        | Bore diameter upper tolerance         |
|                          | -0,005 mm   | Bore diameter lower tolerance         |
| D                        | 75 mm       | Outside diameter                      |
|                          | 0 mm        | Outside diameter upper tolerance      |
|                          | -0,01 mm    | Outside diameter lower tolerance      |
| B                        | 68 mm       | Width                                 |
|                          | 0 mm        | Width upper tolerance                 |
|                          | -0,5 mm     | Width lower tolerance                 |
| C <sub>a</sub>           | 77.000 N    | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 202.000 N   | Basic static load rating, axial       |
| C <sub>ua</sub>          | 12.300 N    | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 4.000 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 1.800 1/min | Thermally safe operating speed        |
| M <sub>R</sub>           | 1,05 Nm     | Bearing frictional torque             |
| ≈m                       | 1,286 kg    | Masa                                  |

### Mounting dimensions

|                    |       |                             |
|--------------------|-------|-----------------------------|
| D <sub>a max</sub> | 67 mm | Maximum diameter of housing |
| d <sub>a min</sub> | 50 mm | Minimum diameter shaft      |

### Dimensions

|                    |        |                           |
|--------------------|--------|---------------------------|
| d <sub>1</sub>     | 58 mm  | Rib diameter inner ring   |
| r <sub>min</sub>   | 0,3 mm | Minimum chamfer dimension |
| r <sub>1 min</sub> | 0,6 mm | Minimum chamfer dimension |
| 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

|                 |               |                                                             |
|-----------------|---------------|-------------------------------------------------------------|
| c <sub>aL</sub> | 1.750 N/μm    | Rigidity axial                                              |
| c <sub>kL</sub> | 1.200 Nm/mrad | Tilting rigidity                                            |
| M <sub>m</sub>  | 4,52 kg*cm2   | Mass moment of inertia                                      |
|                 | 2,5 μm        | Axial runout                                                |
|                 | ZMA40/62      | Recommended INA precision locknut for radial locking        |
|                 | AM40          | Recommended INA precision locknut for axial locking         |
| M <sub>A</sub>  | 55 Nm         | Tightening torque for the recommended INA precision locknut |
|                 | 13.412 N      | Required locknut force axial                                |

Właściwości

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