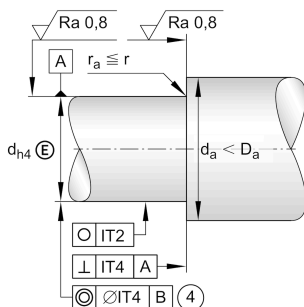
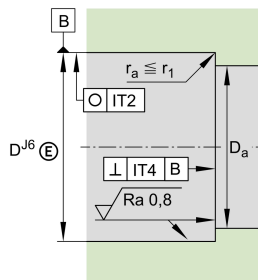
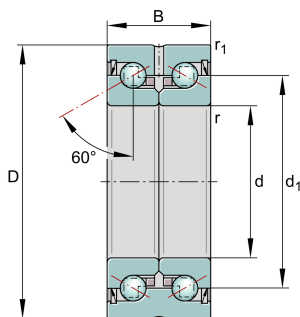
**ZKLN4090-2RS-XL**

Axial angular contact ball bearing

Axial angular contact ball bearing  
ZKLN...-2RS-XL, double direction, no screw  
mounting

X-life

## Informacje techniczne



## Twoja aktualna wersja produktu

|                 |          |                                 |
|-----------------|----------|---------------------------------|
| Type of Seal    | 2RS      | Contact lip seals on both sides |
| Tolerance class | Standard |                                 |

## Main Dimensions &amp; Performance Data

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 40 mm       | Bore diameter                         |
|                          | 0 mm        | Bore diameter upper tolerance         |
|                          | -0,005 mm   | Bore diameter lower tolerance         |
| D                        | 90 mm       | Outside diameter                      |
|                          | 0 mm        | Outside diameter upper tolerance      |
|                          | -0,01 mm    | Outside diameter lower tolerance      |
| B                        | 46 mm       | Width                                 |
|                          | 0 mm        | Width upper tolerance                 |
|                          | -0,25 mm    | Width lower tolerance                 |
| C <sub>a</sub>           | 79.000 N    | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 149.000 N   | Basic static load rating, axial       |
| C <sub>ua</sub>          | 9.100 N     | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 3.500 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 1.600 1/min | Thermally safe operating speed        |
| M <sub>R</sub>           | 1,3 Nm      | Bearing frictional torque             |
| ≈m                       | 1,315 kg    | Masa                                  |



Mounting dimensions

|                    |       |                             |
|--------------------|-------|-----------------------------|
| D <sub>a</sub> max | 80 mm | Maximum diameter of housing |
| d <sub>a</sub> min | 56 mm | Minimum diameter shaft      |

Dimensions

|                    |        |                           |
|--------------------|--------|---------------------------|
| d <sub>1</sub>     | 65 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 |
| 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> | 1.200 N/μm  | Rigidity axial                                              |
| c <sub>kL</sub> | 750 Nm/mrad | Tilting rigidity                                            |
| M <sub>m</sub>  | 5,5 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>  | 110 Nm      | Tightening torque for the recommended INA precision locknut |
|                 | 25.185 N    | Required locknut force axial                                |



### Właściwości

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