



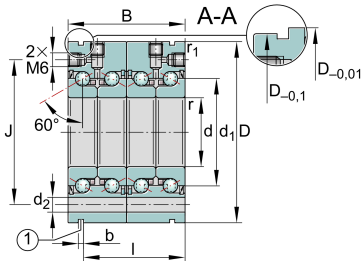
**ZKLF30100-2RS-2AP-XL**

Axial angular contact ball bearing

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

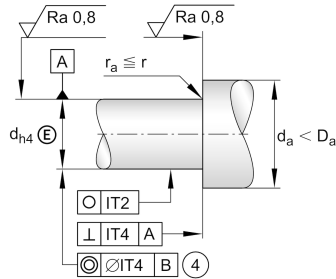
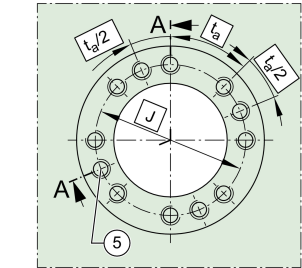
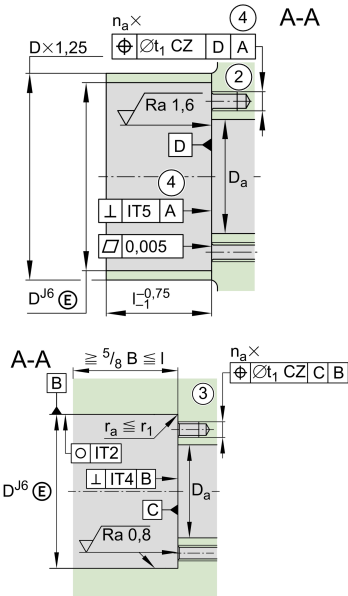
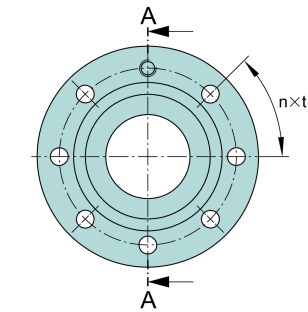
X-life

Informacje techniczne



Twoja aktualna wersja produktu

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



### Main Dimensions & Performance Data

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 30 mm       | Bore diameter                         |
|                          | 0 mm        | Bore diameter upper tolerance         |
|                          | -0,005 mm   | Bore diameter lower tolerance         |
| D                        | 100 mm      | Outside diameter                      |
|                          | 0 mm        | Outside diameter upper tolerance      |
|                          | -0,1 mm     | Outside diameter lower tolerance      |
| B                        | 76 mm       | Width                                 |
|                          | 0 mm        | Width upper tolerance                 |
|                          | -0,5 mm     | Width lower tolerance                 |
| C <sub>a</sub>           | 106.000 N   | Basic dynamic load rating, axial      |
| C <sub>0a</sub>          | 216.000 N   | Basic static load rating, axial       |
| C <sub>ua</sub>          | 13.100 N    | Fatigue load limit, axial             |
| n <sub>G</sub><br>Grease | 4.500 1/min | Limiting speed for grease lubrication |
| n <sub>g</sub>           | 2.100 1/min | Thermally safe operating speed        |
| ≈m                       | 3,365 kg    | Masa                                  |

### Mounting dimensions

|                    |        |                                                          |
|--------------------|--------|----------------------------------------------------------|
| D <sub>a</sub> max | 64 mm  | Maximum diameter of housing                              |
| d <sub>a</sub> min | 47 mm  | Minimum diameter shaft                                   |
| t <sub>1</sub>     | 0,2 mm | Position tolerance of bore in the housing                |
|                    | M8     | Size of fixing screws                                    |
| n <sub>a</sub>     | 8      | Number of holes in adjacent construction                 |
| t <sub>a</sub>     | 45 °   | Pitch separation angle of holes in adjacent construction |
|                    | M6     | Connection thread for lubrication                        |



Dimensions

|         |        |                                        |
|---------|--------|----------------------------------------|
| d 1     | 51 mm  | Rib diameter inner ring                |
| r min   | 0,3 mm | Minimum chamfer dimension              |
| r 1 min | 0,6 mm | Minimum chamfer dimension              |
| J       | 80 mm  | Pitch circle diameter fixing holes     |
| d 2     | 8,8 mm | Fixing holes diameter                  |
| b       | 3 mm   | Width of extraction slot               |
| l       | 68 mm  | Distance of extraction slot            |
| n       | 8      | Pitch quantity of fixing holes         |
| t       | 45 °   | Pitch separation angle of fixing holes |
| a       | 60 °   | Contact angle                          |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 120 °C | Operating temperature max. |

Additional information

|     |          |                                                             |
|-----|----------|-------------------------------------------------------------|
|     | 2,5 µm   | Axial runout                                                |
|     | ZMA30/52 | Recommended INA precision locknut for radial locking        |
|     | AM30     | Recommended INA precision locknut for axial locking         |
| M A | 65 Nm    | Tightening torque for the recommended INA precision locknut |
|     | 19.509 N | Required locknut force axial                                |



### Właściwości

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