

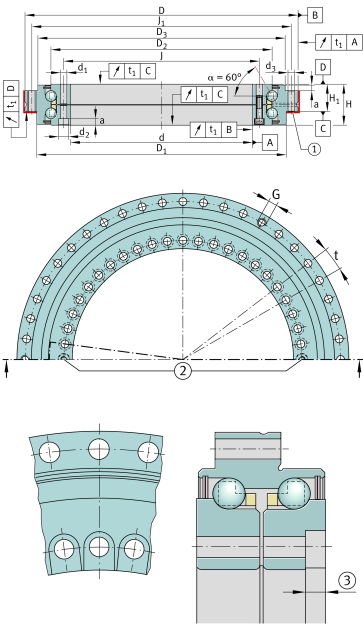


ZKLDF325

Axial angular contact ball bearing

Axial angular contact ball bearings ZKLDF, double direction, for screw mounting, sealing shields on both sides

Informacje techniczne



Twoja aktualna wersja produktu

Generation B

Main Dimensions & Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 325 mm      | Bore diameter                    |
|                 | 0 mm        | Bore diameter upper tolerance    |
|                 | -0,023 mm   | Bore diameter lower tolerance    |
| D               | 450 mm      | Flange diameter                  |
|                 | 0 mm        | Flange diameter upper tolerance  |
|                 | -0,023 mm   | Flange diameter lower tolerance  |
| H               | 60 mm       | Height                           |
| n <sub>G</sub>  | 2.000 1/min | Limiting speed                   |
| C <sub>a</sub>  | 172.000 N   | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 1.110.000 N | Basic static load rating, axial  |
| C <sub>ua</sub> | 26.000 N    | Fatigue load limit, axial        |
| ≈m              | 24,8 kg     | Masa                             |



Mounting dimensions

|     |        |                                                  |
|-----|--------|--------------------------------------------------|
| J   | 342 mm | Pitch circle diameter fixing holes in inner ring |
| J 1 | 430 mm | Pitch circle diameter fixing holes in outer ring |
| d 1 | 9,3 mm | Fixing holes diameter inner ring                 |
| d 2 | 15 mm  | Counterbore diameter of fixing holes             |
| a   | 8,2 mm | Counterbore depth of fixing holes                |
|     | 34     | Quantity of fixing holes inner ring              |
| d 3 | 9,3 mm | Fixing holes diameter outer ring                 |
|     | 33     | Quantity of fixing holes outer ring              |
| n   | 36     | Pitch quantity                                   |
| t   | 10 °   | Pitch separation angle                           |
| G   | M12    | Threaded extraction hole                         |
|     | 3      | Quantity of threaded extraction hole             |
| M A | 34 Nm  | Screw tightening torque                          |
|     | 2      | Quantity of retaining screws                     |

Dimensions

|     |         |                                                  |
|-----|---------|--------------------------------------------------|
| H 1 | 40 mm   | Height contact face outer ring                   |
|     | 0,2 mm  | Height contact face outerring H1 upper tolerance |
|     | -0,2 mm | Height contact face outerring H1 lower tolerance |
| D 1 | 415 mm  | Outside diameter D1                              |
| D 2 | 380 mm  | Rib diameter inner ring                          |
| D 3 | 413 mm  | Outside diameter D3                              |

t 1                      6 µm                      Axial and radial runout, measurement standard; Measured on mounted bearing, with ideal adjacent construction.

Temperature range

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



Additional information

|          |                  |                                         |
|----------|------------------|-----------------------------------------|
| $c_{aL}$ | 4.000 N/ $\mu$ m | Axial rigidity of bearing position      |
| $c_{rL}$ | 800 N/ $\mu$ m   | Radial rigidity of bearing position     |
| $c_{kL}$ | 60.000 Nm/mrad   | Tilting rigidity of bearing position    |
| $c_{aL}$ | 5.400 N/ $\mu$ m | Axial rigidity of rolling element set   |
| $c_{rW}$ | 800 N/ $\mu$ m   | Radial rigidity of rolling element set  |
| $c_{kW}$ | 90.000 Nm/mrad   | Tilting rigidity of rolling element set |

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Momenty względem wszystkich osi
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Łożysko gabarytowe