



FAG



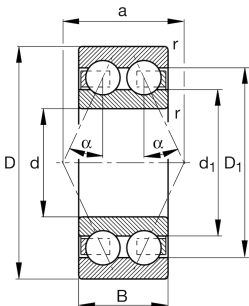
X-life

3309-BD-XL-TVH-L285

Angular contact ball bearing

Angular contact ball bearing 33...BD-XL-TVH, double row, X-life, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |         |                                                          |
|----------------------------------|---------|----------------------------------------------------------|
| Design variant                   | B       | Bearing without filling slot                             |
| Changed internal design          | D       | D                                                        |
| Type of Seal                     | Without | Not sealed                                               |
| Cage                             | TVH     | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class                  | P6      | Class 6 (ISO 492:2023)                                   |
| Dimensional / heat stabilization | S0      | Rings dimensional stabilized up to 150°                  |
| Lubricant                        | L285    | Grease (L285/customer specific)                          |
| Axial internal clearance         | CN      | Group N (CN)                                             |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 45 mm       | Bore diameter                     |
| D               | 100 mm      | Outside diameter                  |
| B               | 39,7 mm     | Width                             |
| C <sub>r</sub>  | 72.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 54.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.700 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 7.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.700 1/min | Reference speed                   |
| m               | 1,323 kg    | Masa                              |



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 54 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 91 mm  | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1,5 mm | Maximum fillet radius                |

Dimensions

|            |          |                                                   |
|------------|----------|---------------------------------------------------|
| $r_{\min}$ | 1,5 mm   | Minimum chamfer dimension                         |
| $D_1$      | 84,39 mm | Shoulder diameter outer ring                      |
| $d_1$      | 65,45 mm | Shoulder diameter inner ring                      |
| $a$        | 57,8 mm  | Distance between the apexes of the pressure cones |
| $\alpha$   | 30 °     | Contact angle                                     |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -20 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Bez uszczelnienia