



FAG



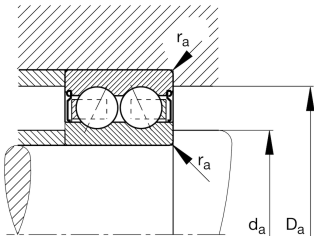
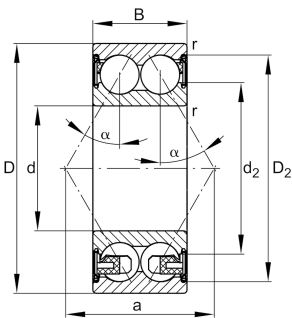
X-life

3311-BD-XL-2Z-TVH

Angular contact ball bearing

Angular contact ball bearing 33...BD-XL-2Z-TVH, double row, X-life, shields, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |      |                                                          |
|----------------------------------|------|----------------------------------------------------------|
| Design variant                   | B    | Bearing without filling slot                             |
| Changed internal design          | D    | D                                                        |
| Type of Seal                     | 2Z   | Non-contact shield on both sides                         |
| 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                        | GA13 | Ball bearing and insert bearing grease                   |
| Axial internal clearance         | CN   | Group N (CN)                                             |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 55 mm       | Bore diameter                     |
| D               | 120 mm      | Outside diameter                  |
| B               | 49,2 mm     | Width                             |
| C <sub>r</sub>  | 116.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 88.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 6.100 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.350 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.900 1/min | Reference speed                   |
| m               | 2,29 kg     | Masa                              |



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 66 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 109 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 2 mm   | Maximum fillet radius                |

Dimensions

|            |           |                                                   |
|------------|-----------|---------------------------------------------------|
| $r_{\min}$ | 2 mm      | Minimum chamfer dimension                         |
| $D_1$      | 103,3 mm  | Shoulder diameter outer ring                      |
| $D_2$      | 106,78 mm | Caliber diameter outer ring                       |
| $d_1$      | 78,77 mm  | Shoulder diameter inner ring                      |
| $d_2$      | 76,35 mm  | Caliber diamter inner ring                        |
| $a$        | 71,4 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 dożywotnie, bezobsługowe |
|  | Smarowanie smarem                   |
|  | Uszczelnienie dwustronne            |