

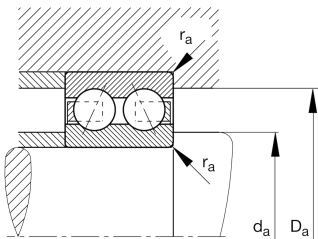
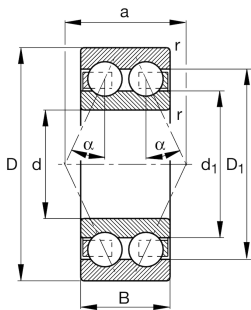


3003

Angular contact ball bearing

Angular contact ball bearing 30..-B-TVH,  
double row, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |         |                                                          |
|----------------------------------|---------|----------------------------------------------------------|
| Design variant                   | B       | Bearing without filling slot                             |
| Sealing                          | Without | Not sealed                                               |
| Cage                             | TVH     | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class                  | PN      | Normal (ISO 492:2023)                                    |
| Dimensional / heat stabilization | SN      | Rings dimensional stabilized up to 120°                  |
| Lubricant                        | Without | Bearing not greased                                      |
| Axial internal clearance         | CN      | Group N (CN)                                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 17 mm        | Bore diameter                     |
| D               | 35 mm        | Outside diameter                  |
| B               | 14 mm        | Width                             |
| C <sub>r</sub>  | 9.100 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 6.100 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 315 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 22.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 15.300 1/min | Reference speed                   |
| ≈m              | 0,054 kg     | Masa                              |



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 19 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 33 mm  | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 0,3 mm | Maximum fillet radius                |

Dimensions

|            |          |                                                   |
|------------|----------|---------------------------------------------------|
| $r_{\min}$ | 0,3 mm   | Minimum chamfer dimension                         |
| $D_1$      | 29,17 mm | Shoulder diameter outer ring                      |
| $D_2$      | 29,75 mm | Caliber diameter outer ring                       |
| $d_1$      | 23,1 mm  | Shoulder diameter inner ring                      |
| $d_2$      | 21,08 mm | Caliber diamter inner ring                        |
| $a$        | 17,1 mm  | Distance between the apexes of the pressure cones |
| $\alpha$   | 25 °     | Contact angle                                     |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

Właściwości

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