

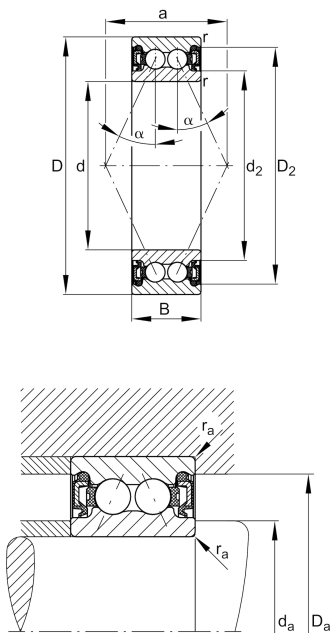


3001-2Z

Angular contact ball bearing

Angular contact ball bearing 30...-B-2RZ-TVH,  
double row, shields, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |      |                                                          |
|----------------------------------|------|----------------------------------------------------------|
| Design variant                   | B    | Bearing without filling slot                             |
| Sealing                          | 2RZ  | Non-contact seal on both sides                           |
| 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                        | GA13 | Ball bearing and insert bearing grease                   |
| Axial internal clearance         | CN   | Group N (CN)                                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 12 mm        | Bore diameter                     |
| D               | 28 mm        | Outside diameter                  |
| B               | 12 mm        | Width                             |
| C <sub>r</sub>  | 6.100 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.700 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 193 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 22.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 19.300 1/min | Reference speed                   |
| ≈m              | 0,034 kg     | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 14 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 26 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 0,3 mm | Maximum fillet radius                |

Dimensions

|                  |          |                                                   |
|------------------|----------|---------------------------------------------------|
| r <sub>min</sub> | 0,3 mm   | Minimum chamfer dimension                         |
| D <sub>1</sub>   | 22,5 mm  | Shoulder diameter outer ring                      |
| D <sub>2</sub>   | 23,16 mm | Caliber diameter outer ring                       |
| d <sub>1</sub>   | 17,6 mm  | Shoulder diameter inner ring                      |
| d <sub>2</sub>   | 16,4 mm  | Caliber diamter inner ring                        |
| a                | 13,5 mm  | Distance between the apexes of the pressure cones |
| α                | 25 °     | Contact angle                                     |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -20 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |

Właściwości

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