



FAG



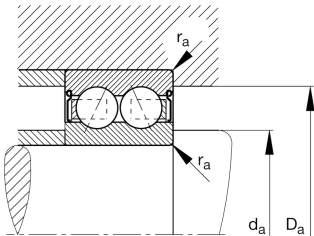
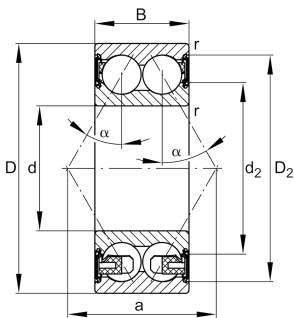
X-life

3205-BD-XL-2HRS-TVH-C3

Angular contact ball bearing

Angular contact ball bearing 32...BD-XL-2HRS-TVH, double row, X-life, seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |      |                                                          |
|----------------------------------|------|----------------------------------------------------------|
| Design variant                   | B    | Bearing without filling slot                             |
| Changed internal design          | D    | D                                                        |
| Sealing                          | 2HRS | Contact seal 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 | SN   | Rings dimensional stabilized up to 120°                  |
| Lubricant                        | GA13 | Ball bearing and insert bearing grease                   |
| Axial internal clearance         | C3   | Group 3 (C3), bigger than CN                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 25 mm        | Bore diameter                     |
| D               | 52 mm        | Outside diameter                  |
| B               | 20,6 mm      | Width                             |
| C <sub>r</sub>  | 22.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 15.200 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.050 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.700 1/min | Limiting speed                    |
| ≈m              | 0,172 kg     | Masa                              |



Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 30,6 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 46,4 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm    | Maximum fillet radius                |

Dimensions

|                  |          |                                                   |
|------------------|----------|---------------------------------------------------|
| r <sub>min</sub> | 1 mm     | Minimum chamfer dimension                         |
| D <sub>1</sub>   | 45,1 mm  | Shoulder diameter outer ring                      |
| D <sub>2</sub>   | 47,62 mm | Caliber diameter outer ring                       |
| d <sub>1</sub>   | 35,8 mm  | Shoulder diameter inner ring                      |
| d <sub>2</sub>   | 34,23 mm | Caliber diamter inner ring                        |
| a                | 30,8 mm  | Distance between the apexes of the pressure cones |
| α                | 30 °     | 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            |