



FAG



X-life

3203-BD-XL-2HRS-C3

Angular contact ball bearing

Angular contact ball bearing 32..-BD-XL-2HRS, double row, X-life, seals, steel sheet metal 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                             | JH   | Steel sheet metal                       |
| 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               | 17 mm        | Bore diameter                     |
| D               | 40 mm        | Outside diameter                  |
| B               | 17,5 mm      | Width                             |
| C <sub>r</sub>  | 15.500 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 9.500 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 660 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 14.600 1/min | Limiting speed                    |
| ≈m              | 0,098 kg     | Masa                              |



Mounting dimensions

|         |         |                                      |
|---------|---------|--------------------------------------|
| d a min | 21,2 mm | Minimum diameter shaft shoulder      |
| D a max | 35,8 mm | Maximum diameter of housing shoulder |
| r a max | 0,6 mm  | Maximum fillet radius                |

Dimensions

|       |          |                                                   |
|-------|----------|---------------------------------------------------|
| r min | 0,6 mm   | Minimum chamfer dimension                         |
| D 1   | 33,94 mm | Shoulder diameter outer ring                      |
| D 2   | 36,09 mm | Caliber diameter outer ring                       |
| d 1   | 25,8 mm  | Shoulder diameter inner ring                      |
| d 2   | 24,43 mm | Caliber diamter inner ring                        |
| a     | 23,5 mm  | Distance between the apexes of the pressure cones |
| α     | 30 °     | Contact angle                                     |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -20 °C | Operating temperature min. |
| T max | 100 °C | Operating temperature max. |

Właściwości

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