



FAG



3211-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

X-life

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 | S0   | Rings dimensional stabilized up to 150° |
| Lubricant                        | GA13 | Ball bearing and insert bearing grease  |
| Axial internal clearance         | C3   | Group 3 (C3), bigger than CN            |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 55 mm       | Bore diameter                     |
| D               | 100 mm      | Outside diameter                  |
| B               | 33,3 mm     | Width                             |
| C <sub>r</sub>  | 61.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 51.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.550 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.300 1/min | Limiting speed                    |
| ≈m              | 0,98 kg     | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 64 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 91 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1,5 mm | Maximum fillet radius                |

Dimensions

|                  |          |                                                   |
|------------------|----------|---------------------------------------------------|
| r <sub>min</sub> | 1,5 mm   | Minimum chamfer dimension                         |
| D <sub>1</sub>   | 87,78 mm | Shoulder diameter outer ring                      |
| D <sub>2</sub>   | 90,78 mm | Caliber diameter outer ring                       |
| d <sub>1</sub>   | 71,6 mm  | Shoulder diameter inner ring                      |
| d <sub>2</sub>   | 69,18 mm | Caliber diamter inner ring                        |
| a                | 58,5 mm  | Distance between the apexes of the pressure cones |
| α                | 30 °     | Contact angle                                     |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °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            |