



FAG



X-life

3207-BD-XL-C3

Angular contact ball bearing

Angular contact ball bearing 32...BD-XL,  
double row, X-life, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |         |                                         |
|----------------------------------|---------|-----------------------------------------|
| Design variant                   | B       | Bearing without filling slot            |
| Changed internal design          | D       | D                                       |
| Type of Seal                     | Without | Not sealed                              |
| Cage                             | JH      | Steel sheet metal                       |
| Tolerance class                  | P6      | Class 6 (ISO 492:2023)                  |
| Dimensional / heat stabilization | SN      | Rings dimensional stabilized up to 120° |
| Lubricant                        | Without | Bearing not greased                     |
| Axial internal clearance         | C3      | Group 3 (C3), bigger than CN            |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 35 mm        | Bore diameter                     |
| D               | 72 mm        | Outside diameter                  |
| B               | 27 mm        | Width                             |
| C <sub>r</sub>  | 41.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 30.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 2.090 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 9.900 1/min  | Reference speed                   |
| ≈m              | 0,442 kg     | Masa                              |



Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a min</sub> | 42 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 65 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm  | Maximum fillet radius                |

Dimensions

|                  |          |                                                   |
|------------------|----------|---------------------------------------------------|
| r <sub>min</sub> | 1,1 mm   | Minimum chamfer dimension                         |
| D <sub>1</sub>   | 62,4 mm  | Shoulder diameter outer ring                      |
| D <sub>2</sub>   | 65,39 mm | Caliber diameter outer ring                       |
| d <sub>1</sub>   | 49,1 mm  | Shoulder diameter inner ring                      |
| d <sub>2</sub>   | 46,93 mm | Caliber diamter inner ring                        |
| a                | 42,5 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> | 120 °C | Operating temperature max. |

Właściwości

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