





FAG

23248-BE-XL-K-C3 

Spherical Roller Bearing

Spherical roller bearings 232...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | BE           | With lose center lip ring         |
| Bore type                 | K            | Tapered, taper 1:12               |
| Cage                      | JPB          | Sheet metal cage                  |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Relubrication feature     | Standard     |                                   |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 240 mm      | Bore diameter                     |
| D               | 440 mm      | Outside diameter                  |
| B               | 160 mm      | Width                             |
| C <sub>r</sub>  | 2.850.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 4.000.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 315.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 770 1/min   | Reference speed                   |
| ≈m              | 101,895 kg  | Masa                              |



Mounting dimensions

|                    |        |                                       |
|--------------------|--------|---------------------------------------|
| d <sub>a min</sub> | 257 mm | Minimum diameter shaft shoulder       |
| d <sub>a max</sub> | 284 mm | Maximum diameter of shaft shoulder    |
| D <sub>a max</sub> | 423 mm | Maximum diameter of housing shoulder  |
| r <sub>a max</sub> | 3 mm   | Maximum recess radius                 |
| d <sub>b min</sub> | 257 mm | Minimum cavity diameter of the sleeve |
| B <sub>a min</sub> | 6 mm   | Minimum cavity width of the sleeve    |

Dimensions

|                  |          |                                    |
|------------------|----------|------------------------------------|
| r <sub>min</sub> | 4 mm     | Minimum chamfer dimension          |
| D <sub>1</sub>   | 370,8 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 280,8 mm | Raceway diameter of the inner ring |
| d <sub>s</sub>   | 12,5 mm  | Diameter lubrication hole          |
| n <sub>s</sub>   | 23,5 mm  | Width of lubricating groove        |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 200 °C | Operating temperature max. |

Calculation factors

|                |      |                                                                                  |
|----------------|------|----------------------------------------------------------------------------------|
| e              | 0,36 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 1,87 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 2,79 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 1,83 | Static axial load factor                                                         |

Additional information

|        |                   |
|--------|-------------------|
| H2348X | Adapter sleeve    |
| AH2348 | Withdrawal sleeve |



## Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Łożysko gabarytowe
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna