



FAG

23060-BE-XL-K-R40-100

Spherical Roller Bearing

Spherical roller bearings 230...-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          |
| Relubrication | Standard |                           |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 300 mm      | Bore diameter                     |
| D               | 460 mm      | Outside diameter                  |
| B               | 118 mm      | Width                             |
| C <sub>r</sub>  | 2.160.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.450.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 305.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.570 1/min | Limiting speed                    |
| n <sub>gr</sub> | 980 1/min   | Reference speed                   |
| m               | 67,425 kg   | Masa                              |



Mounting dimensions

|                    |          |                                       |
|--------------------|----------|---------------------------------------|
| d <sub>a min</sub> | 314,6 mm | Minimum diameter shaft shoulder       |
| d <sub>a max</sub> | 337 mm   | Maximum diameter of shaft shoulder    |
| D <sub>a max</sub> | 445,4 mm | Maximum diameter of housing shoulder  |
| r <sub>a max</sub> | 3 mm     | Maximum recess radius                 |
| d <sub>b min</sub> | 313 mm   | Minimum cavity diameter of the sleeve |
| B <sub>a min</sub> | 12 mm    | Minimum cavity width of the sleeve    |

Dimensions

|                  |         |                                    |
|------------------|---------|------------------------------------|
| r <sub>min</sub> | 4 mm    | Minimum chamfer dimension          |
| D <sub>1</sub>   | 413 mm  | Bore diameter outer ring           |
| d <sub>2</sub>   | 340 mm  | Raceway diameter of the inner ring |
| d <sub>s</sub>   | 9,5 mm  | Diameter lubrication hole          |
| n <sub>s</sub>   | 17,7 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              | 0,23 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,92 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 4,35 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2,86 | Static axial load factor                                                         |

Additional information

|        |                   |
|--------|-------------------|
| H3060  | Adapter sleeve    |
| AH3060 | Withdrawal sleeve |



### Właściwości

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