



FAG

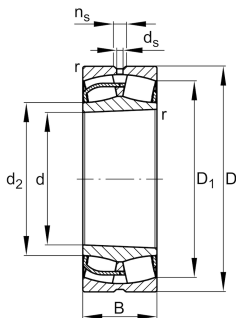
24032-BE-XL-K30-T52BW-R218-248

Spherical Roller Bearing

Spherical roller bearings 240...-BE-K30, main dimensions to DIN 635-2, with tapered bore, taper 1:30

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|               |          |                           |
|---------------|----------|---------------------------|
| Design        | BE       | With lose center lip ring |
| Bore type     | K30      | Tapered, taper 1:30       |
| Cage          | JPB      | Sheet metal cage          |
| Relubrication | Standard |                           |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 160 mm      | Bore diameter                     |
| D               | 240 mm      | Outside diameter                  |
| B               | 80 mm       | Width                             |
| C <sub>r</sub>  | 770.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.240.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 140.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2.550 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.660 1/min | Reference speed                   |
| m               | 12,271 kg   | Masa                              |

Mounting dimensions

|                    |          |                                      |
|--------------------|----------|--------------------------------------|
| d <sub>a min</sub> | 170,2 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 229,8 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2,1 mm   | Maximum recess radius                |



Dimensions

|                  |          |                                    |
|------------------|----------|------------------------------------|
| r <sub>min</sub> | 2,1 mm   | Minimum chamfer dimension          |
| D <sub>1</sub>   | 212,5 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 179,3 mm | Raceway diameter of the inner ring |
| d <sub>s</sub>   | 4,8 mm   | Diameter lubrication hole          |
| n <sub>s</sub>   | 9,5 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              | 0,29 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,32 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 3,45 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2,26 | Static axial load factor                                                         |

Additional information

|         |                   |
|---------|-------------------|
| AH24032 | Withdrawal sleeve |
|---------|-------------------|

Właściwości

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