



FAG

24188-B-K30-C3

Spherical Roller Bearing

Spherical roller bearing 241...-B-K30,  
symmetric 1 central rib

Informacje techniczne

Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | B            | With fixed central rib            |
| Bore type                 | K30          | Tapered, taper 1:30               |
| Cage                      | JPB          | Sheet metal cage                  |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Relubrication feature     | Standard     |                                   |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 440 mm       | Bore diameter                     |
| D               | 720 mm       | Outside diameter                  |
| B               | 280 mm       | Width                             |
| C <sub>r</sub>  | 6.400.000 N  | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 13.200.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.020.000 N  | Fatigue load limit, radial        |
| n <sub>G</sub>  | 710 1/min    | Limiting speed                    |
| n <sub>gr</sub> | 255 1/min    | Reference speed                   |
| ≈m              | 435,5 kg     | Masa                              |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 466 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 694 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 5 mm   | Maximum recess radius                |



Dimensions

|                  |          |                             |
|------------------|----------|-----------------------------|
| r <sub>min</sub> | 6 mm     | Minimum chamfer dimension   |
| D <sub>1</sub>   | 612,4 mm | Bore diameter outer 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              | 0,38 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 1,76 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 2,62 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 1,72 | Static axial load factor                                                         |

Właściwości

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