

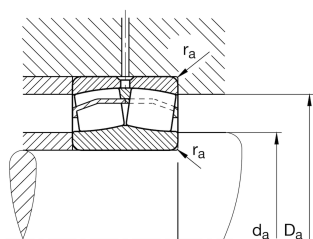
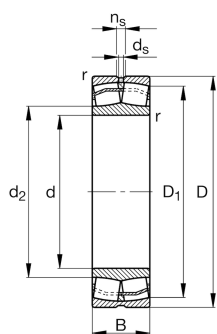
**FAG****22206-E1-XL-C3**

## Spherical Roller Bearing

Spherical roller bearings 222...-E1, main dimensions to DIN 635-2

**X-life**

## Informacje techniczne



## Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | E1           | Without central rip               |
| Bore type                 | Z            | Cylindrical                       |
| Cage                      | JPA          | Sheet metal cage                  |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Relubrication feature     | Standard     |                                   |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 30 mm        | Bore diameter                     |
| D               | 62 mm        | Outside diameter                  |
| B               | 20 mm        | Width                             |
| C <sub>r</sub>  | 64.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 57.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 7.000 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 12.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 7.800 1/min  | Reference speed                   |
| ≈m              | 0,271 kg     | Masa                              |

## Mounting dimensions

|                    |         |                                      |
|--------------------|---------|--------------------------------------|
| d <sub>a min</sub> | 35,6 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 56,4 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm    | Maximum recess radius                |



Dimensions

|                  |         |                                    |
|------------------|---------|------------------------------------|
| r <sub>min</sub> | 1 mm    | Minimum chamfer dimension          |
| D <sub>1</sub>   | 53,7 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 38,1 mm | Raceway diameter of the inner ring |
| d <sub>s</sub>   | 3,2 mm  | Diameter lubrication hole          |
| n <sub>s</sub>   | 4,8 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              | 0,3  | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,26 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 3,37 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2,21 | Static axial load factor                                                         |

Właściwości

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