

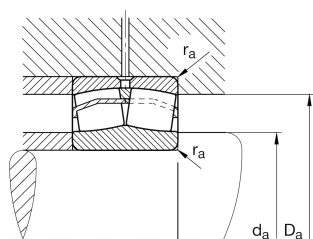
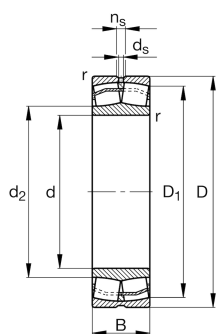
**FAG****22207-E1-XL-H40**

## Spherical Roller Bearing

Spherical roller bearing 222...-E1-XL-H40,  
symmetric with cage guidance ring

**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 | CN (Group N) | Normal internal clearance            |
| Relubrication feature     | H40          | Without lubricating groove and holes |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 35 mm        | Bore diameter                     |
| D               | 72 mm        | Outside diameter                  |
| B               | 23 mm        | Width                             |
| C <sub>r</sub>  | 89.000 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 81.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 9.700 N      | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.700 1/min | Limiting speed                    |
| n <sub>gr</sub> | 7.000 1/min  | Reference speed                   |
| ≈m              | 0,431 kg     | Masa                              |

## Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a min</sub> | 42 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 65 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm  | Maximum recess radius                |



Dimensions

|                  |         |                                    |
|------------------|---------|------------------------------------|
| r <sub>min</sub> | 1,1 mm  | Minimum chamfer dimension          |
| D <sub>1</sub>   | 62,5 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 43,9 mm | Raceway diameter of the inner ring |

Temperature range

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

Calculation factors

|                |      |                                                                                  |
|----------------|------|----------------------------------------------------------------------------------|
| e              | 0,31 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,21 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 3,29 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2,16 | Static axial load factor                                                         |

Właściwości

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