

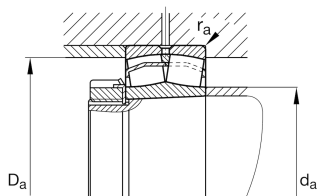
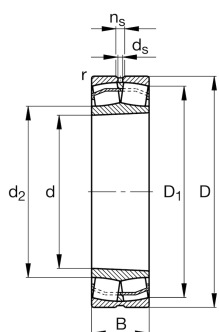
**FAG****22208-E1-XL-K-C3**

## Spherical Roller Bearing

Spherical roller bearings 222...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

**X-life**

## Informacje techniczne



## Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | E1           | Without central rip               |
| Bore type                 | K            | Tapered, taper 1:12               |
| 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               | 40 mm        | Bore diameter                     |
| D               | 80 mm        | Outside diameter                  |
| B               | 23 mm        | Width                             |
| C <sub>r</sub>  | 101.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 91.000 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 12.100 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 10.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.200 1/min  | Reference speed                   |
| m               | 0,505 kg     | Masa                              |



### Mounting dimensions

|              |       |                                       |
|--------------|-------|---------------------------------------|
| $d_{a \min}$ | 47 mm | Minimum diameter shaft shoulder       |
| $d_{a \max}$ | 48 mm | Maximum diameter of shaft shoulder    |
| $D_{a \max}$ | 73 mm | Maximum diameter of housing shoulder  |
| $r_{a \max}$ | 1 mm  | Maximum recess radius                 |
| $d_{b \min}$ | 44 mm | Minimum cavity diameter of the sleeve |
| $B_{a \min}$ | 5 mm  | Minimum cavity width of the sleeve    |

### Dimensions

|            |         |                                    |
|------------|---------|------------------------------------|
| $r_{\min}$ | 1,1 mm  | Minimum chamfer dimension          |
| $D_1$      | 70,4 mm | Bore diameter outer ring           |
| $d_2$      | 48,8 mm | Raceway diameter of the inner ring |
| $d_s$      | 3,2 mm  | Diameter lubrication hole          |
| $n_s$      | 4,8 mm  | Width of lubricating groove        |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 200 °C | Operating temperature max. |

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,27 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,49 | Dynamic axial load factor                                                            |
| $Y_2$ | 3,71 | Dynamic axial load factor                                                            |
| $Y_0$ | 2,43 | Static axial load factor                                                             |

### Additional information

|       |                   |
|-------|-------------------|
| H308  | Adapter sleeve    |
| AH308 | Withdrawal sleeve |



### Właściwości

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