

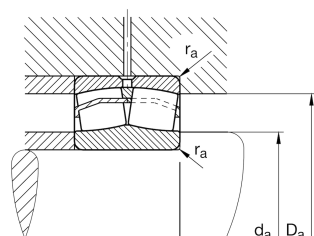
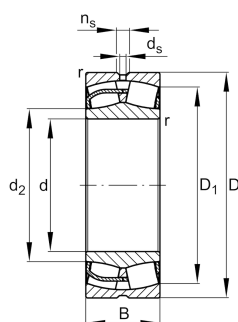
**FAG****24148-BE-XL-H40**

## Spherical Roller Bearing

Spherical roller bearing 241...-BE-XL-H40,  
symmetric with rib washer

**X-life**

## Informacje techniczne



## Twoja aktualna wersja produktu

|                           |              |                                      |
|---------------------------|--------------|--------------------------------------|
| Design                    | BE           | With lose center lip ring            |
| Bore type                 | Z            | Cylindrical                          |
| Cage                      | JPB          | 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               | 240 mm      | Bore diameter                     |
| D               | 400 mm      | Outside diameter                  |
| B               | 160 mm      | Width                             |
| C <sub>r</sub>  | 2.600.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.900.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 340.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.470 1/min | Limiting speed                    |
| n <sub>gr</sub> | 650 1/min   | Reference speed                   |
| ≈m              | 78,82 kg    | Masa                              |

## Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 257 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 383 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 3 mm   | Maximum recess radius                |



Dimensions

|           |          |                                    |
|-----------|----------|------------------------------------|
| $r_{min}$ | 4 mm     | Minimum chamfer dimension          |
| $D_1$     | 339 mm   | Bore diameter outer ring           |
| $d_2$     | 267,3 mm | Raceway diameter of the inner ring |

Temperature range

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

Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,39 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,71 | Dynamic axial load factor                                                            |
| $Y_2$ | 2,54 | Dynamic axial load factor                                                            |
| $Y_0$ | 1,67 | Static axial load factor                                                             |

Właściwości

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