

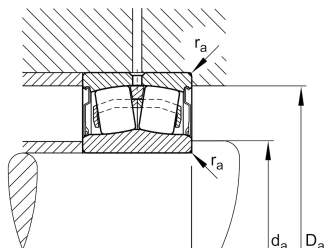
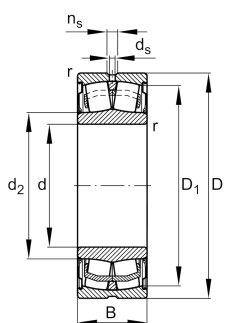
**FAG****WS22218-E1-XL-2VSR-H40-C4** [🔗](#)

## Spherical Roller Bearing

Spherical roller bearing WS222..-E1-XL-2VSR-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 | C4 (Group 4) | Internal clearance larger than C3     |
| Relubrication feature     | H40          | Without lubricating groove and holes  |
| Type of Seal              | 2VSR         | Seals on both sides, high temperature |
| Sealing - excess width    | WS           | Sealing - excess width                |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 90 mm       | Bore diameter                     |
| D               | 160 mm      | Outside diameter                  |
| B               | 48 mm       | Width                             |
| C <sub>r</sub>  | 345.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 375.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 43.500 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.300 1/min | Limiting speed                    |
| ≈m              | 3,844 kg    | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 101 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 149 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2 mm   | Maximum recess radius                |

Dimensions

|                  |          |                                    |
|------------------|----------|------------------------------------|
| r <sub>min</sub> | 2 mm     | Minimum chamfer dimension          |
| D <sub>1</sub>   | 146,7 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 101,4 mm | Raceway diameter of the inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 180 °C | Operating temperature max. |

Calculation factors

|                |      |                                                                                  |
|----------------|------|----------------------------------------------------------------------------------|
| e              | 0,23 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,9  | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 4,31 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2,83 | Static axial load factor                                                         |