

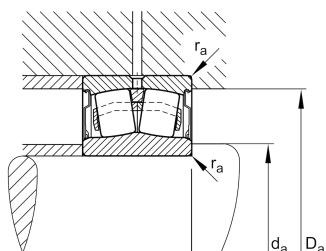
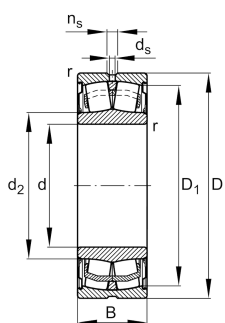
**FAG****WS22206-E1-XL-2VSR-C4** [🔗](#)

## Spherical Roller Bearing

Spherical roller bearing WS222..-E1-XL-2VSR, 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     | Standard     |                                       |
| Sealing                   | 2VSR         | Seals on both sides, high temperature |
| Sealing - excess width    | WS           | Sealing - excess width                |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 30 mm       | Bore diameter                     |
| D               | 62 mm       | Outside diameter                  |
| B               | 25 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>  | 3.150 1/min | Limiting speed                    |
| ≈m              | 310 g       | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a\ min}$ | 35 mm   | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 56,4 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 1 mm    | Maximum recess radius                |

### Dimensions

|             |         |                                    |
|-------------|---------|------------------------------------|
| $r_{\ min}$ | 1 mm    | Minimum chamfer dimension          |
| $D_1$       | 55,5 mm | Bore diameter outer ring           |
| $d_2$       | 35 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. |
| $T_{\ max}$ | 180 °C | Operating temperature max. |

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,3  | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,26 | Dynamic axial load factor                                                            |
| $Y_2$ | 3,37 | Dynamic axial load factor                                                            |
| $Y_0$ | 2,21 | Static axial load factor                                                             |