

**FAG****WS22212-E1-XL-2RSR-C3**

## Spherical Roller Bearing

Sealed spherical roller bearings WS222..-E1, lip seals on both sides, for continuous casting machines

**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 | C3 (Group 3) | Internal clearance larger than CN       |
| Relubrication             | Standard     |                                         |
| Sealing                   | 2RSR         | Seals on both sides, normal temperature |
| Sealing - excess width    | WS           | Sealing - excess width                  |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 60 mm       | Bore diameter                     |
| D               | 110 mm      | Outside diameter                  |
| B               | 34 mm       | Width                             |
| C <sub>r</sub>  | 160.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 155.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 20.700 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2.030 1/min | Limiting speed                    |
| ≈m              | 1,27 kg     | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a\ min}$ | 67,6 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 101 mm  | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 1,5 mm  | Maximum recess radius                |

### Dimensions

|            |          |                                    |
|------------|----------|------------------------------------|
| $r_{\min}$ | 1,5 mm   | Minimum chamfer dimension          |
| $D_1$      | 100,7 mm | Bore diameter outer ring           |
| $d_2$      | 67,6 mm  | Raceway diameter of the inner ring |
| $d_s$      | 3,2 mm   | Diameter lubrication hole          |
| $n_s$      | 6,5 mm   | Width of lubricating groove        |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 100 °C | Operating temperature max. |

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,23 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,98 | Dynamic axial load factor                                                            |
| $Y_2$ | 4,44 | Dynamic axial load factor                                                            |
| $Y_0$ | 2,92 | Static axial load factor                                                             |



### Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna