

**FAG****WS22222-E1-XL-2RSR-L055**

## 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 | CN (Group N) | Normal internal clearance               |
| Relubrication             | Standard     |                                         |
| Sealing                   | 2RSR         | Seals on both sides, normal temperature |
| Sealing - excess width    | WS           | Sealing - excess width                  |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 110 mm      | Bore diameter                     |
| D               | 200 mm      | Outside diameter                  |
| B               | 63 mm       | Width                             |
| C <sub>r</sub>  | 550.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 600.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 64.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.020 1/min | Limiting speed                    |
| ≈m              | 8 kg        | Masa                              |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 122 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 188 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 2,1 mm | Maximum recess radius                |

### Dimensions

|             |          |                                    |
|-------------|----------|------------------------------------|
| $r_{\ min}$ | 2,1 mm   | Minimum chamfer dimension          |
| $D_1$       | 182,6 mm | Bore diameter outer ring           |
| $d_2$       | 124,9 mm | Raceway diameter of the inner ring |
| $d_s$       | 4,8 mm   | Diameter lubrication hole          |
| $n_s$       | 9,5 mm   | Width of lubricating groove        |

### Temperature range

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

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,25 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,71 | Dynamic axial load factor                                                            |
| $Y_2$ | 4,04 | Dynamic axial load factor                                                            |
| $Y_0$ | 2,65 | Static axial load factor                                                             |



## Właściwości

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