

FAG

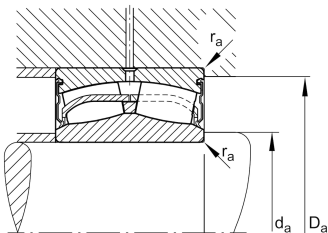
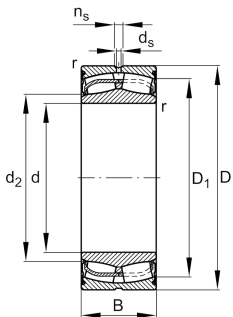
24122-BE-XL-2VSR

Spherical Roller Bearing

Sealed spherical roller bearings 241...-BE-2VSR, lip seals on both sides, for continuous casting machines

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     | Standard     |                                       |
| Sealing                   | 2VSR         | Seals on both sides, high temperature |

Main Dimensions & Performance Data

|                 |           |                                   |
|-----------------|-----------|-----------------------------------|
| d               | 110 mm    | Bore diameter                     |
| D               | 180 mm    | Outside diameter                  |
| B               | 69 mm     | Width                             |
| C <sub>r</sub>  | 530.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 750.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 86.000 N  | Fatigue load limit, radial        |
| n <sub>G</sub>  | 830 1/min | Limiting speed                    |
| ≈m              | 6,7 kg    | Masa                              |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 121 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 169 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 2 mm   | Maximum recess radius                |

### Dimensions

|            |          |                                    |
|------------|----------|------------------------------------|
| $r_{\min}$ | 2 mm     | Minimum chamfer dimension          |
| $D_1$      | 167,1 mm | Bore diameter outer ring           |
| $d_2$      | 120,8 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. |
| $T_{\max}$ | 180 °C | Operating temperature max. |

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,34 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,96 | Dynamic axial load factor                                                            |
| $Y_2$ | 2,92 | Dynamic axial load factor                                                            |
| $Y_0$ | 1,92 | Static axial load factor                                                             |



## Właściwości

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