

FAG

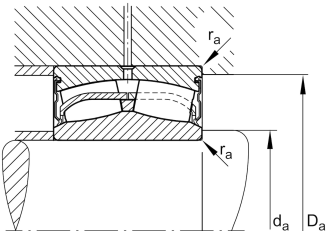
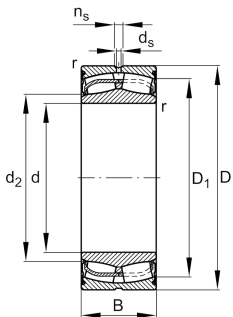
24122-BE-XL-2VSR

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 <sub>a min</sub> | 121 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 169 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>   | 167,1 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 120,8 mm | Raceway diameter of the inner ring |
| d <sub>s</sub>   | 3,2 mm   | Diameter lubrication hole          |
| n <sub>s</sub>   | 6,5 mm   | Width of lubricating groove        |

Temperature range

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

Calculation factors

|                |      |                                                                                  |
|----------------|------|----------------------------------------------------------------------------------|
| e              | 0,34 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 1,96 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 2,92 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 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