

FAG

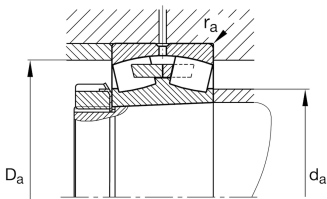
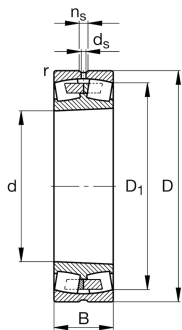
22324-E1A-XL-K-M-C3

Spherical Roller Bearing

Spherical roller bearing 223...-E1A-XL-K-M,  
symmetric 2 outer ribs

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | E1A          | Without central rip               |
| Bore type                 | K            | Tapered, taper 1:12               |
| Cage                      | M            | Brass Cage                        |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Relubrication feature     | Standard     |                                   |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 120 mm      | Bore diameter                     |
| D               | 260 mm      | Outside diameter                  |
| B               | 86 mm       | Width                             |
| C <sub>r</sub>  | 1.080.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.170.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 105.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2.850 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.000 1/min | Reference speed                   |
| ≈m              | 21,985 kg   | Masa                              |



Mounting dimensions

|                    |        |                                       |
|--------------------|--------|---------------------------------------|
| d <sub>a min</sub> | 134 mm | Minimum diameter shaft shoulder       |
| D <sub>a max</sub> | 246 mm | Maximum diameter of housing shoulder  |
| r <sub>a max</sub> | 2,5 mm | Maximum recess radius                 |
| d <sub>a max</sub> | 150 mm | Maximum diameter of shaft shoulder    |
| d <sub>b min</sub> | 131 mm | Minimum cavity diameter of the sleeve |
| B <sub>a min</sub> | 7 mm   | Minimum cavity width of the sleeve    |

Dimensions

|                  |          |                                    |
|------------------|----------|------------------------------------|
| r <sub>min</sub> | 3 mm     | Minimum chamfer dimension          |
| D <sub>1</sub>   | 222,4 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 150,7 mm | Raceway diameter of the inner ring |
| d <sub>s</sub>   | 8 mm     | Diameter lubrication hole          |
| n <sub>s</sub>   | 15 mm    | Width of lubricating groove        |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 200 °C | Operating temperature max. |

Calculation factors

|                |      |                                                                                  |
|----------------|------|----------------------------------------------------------------------------------|
| e              | 0,33 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,06 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 3,06 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2,01 | Static axial load factor                                                         |

Additional information

|          |                   |
|----------|-------------------|
| H2324    | Adapter sleeve    |
| AHX2324G | Withdrawal sleeve |