

FAG

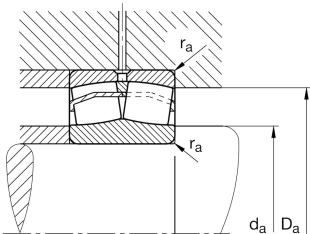
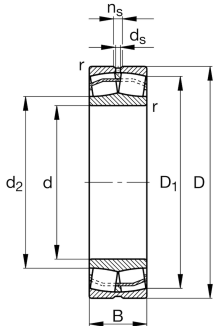
22328-E1-XL-H151B-C3

Spherical Roller Bearing

Spherical roller bearings 223...-E1, main dimensions to DIN 635-2

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 feature                | Standard     |                                        |
| Locating feature, bearing outer ring | H151B        | 2 Locking features, bearing outer ring |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 140 mm      | Bore diameter                     |
| D               | 300 mm      | Outside diameter                  |
| B               | 102 mm      | Width                             |
| C <sub>r</sub>  | 1.460.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.630.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 135.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 2.420 1/min | Limiting speed                    |
| n <sub>gr</sub> | 1.660 1/min | Reference speed                   |
| ≈m              | 34,33 kg    | Masa                              |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 157 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 283 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 3 mm   | Maximum recess radius                |

Dimensions

|                  |          |                                    |
|------------------|----------|------------------------------------|
| r <sub>min</sub> | 4 mm     | Minimum chamfer dimension          |
| D <sub>1</sub>   | 255,7 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 173,5 mm | Raceway diameter of the inner ring |
| d <sub>s</sub>   | 9,5 mm   | Diameter lubrication hole          |
| n <sub>s</sub>   | 17,7 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              | 0,34 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2    | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 2,98 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 1,96 | Static axial load factor                                                         |



## Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna