



FAG

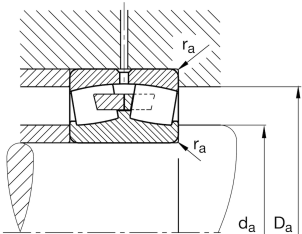
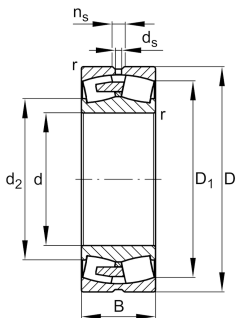
23088-BEA-XL-MB1-H151B

Spherical Roller Bearing

Spherical roller bearing 230...-BEA-XL-MB1, symmetric 2 outer ribs with rib washer

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                                      |              |                                        |
|--------------------------------------|--------------|----------------------------------------|
| Design                               | BEA          | With lose center lip ring              |
| Bore type                            | Z            | Cylindrical                            |
| Cage                                 | MB1          | Solid brass cage                       |
| Radial internal clearance            | CN (Group N) | Normal internal clearance              |
| Relubrication feature                | Standard     |                                        |
| Locating feature, bearing outer ring | H151B        | 2 Locking features, bearing outer ring |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 440 mm      | Bore diameter                     |
| D               | 650 mm      | Outside diameter                  |
| B               | 157 mm      | Width                             |
| C <sub>r</sub>  | 3.950.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 6.900.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 560.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.030 1/min | Limiting speed                    |
| n <sub>gr</sub> | 610 1/min   | Reference speed                   |
| m               | 176 kg      | Masa                              |



### Mounting dimensions

|              |        |                                 |
|--------------|--------|---------------------------------|
| $d_{a\ min}$ | 463 mm | Minimum diameter shaft shoulder |
| $D_{a\ max}$ | 627 mm |                                 |
| $r_{a\ max}$ | 5 mm   | Maximum recess radius           |

### Dimensions

|            |          |                             |
|------------|----------|-----------------------------|
| $r_{\min}$ | 6 mm     | Minimum chamfer dimension   |
| $D_1$      | 589,3 mm | Bore diameter outer ring    |
| $d_s$      | 12,5 mm  | Diameter lubrication hole   |
| $n_s$      | 23,5 mm  | Width of lubricating groove |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 200 °C | Operating temperature max. |

### Calculation factors

|       |      |                           |
|-------|------|---------------------------|
| $e$   | 0,21 |                           |
| $Y_1$ | 3,17 | Dynamic axial load factor |
| $Y_2$ | 4,72 | Dynamic axial load factor |
| $Y_0$ | 3,1  | Static axial load factor  |



## Właściwości

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