



FAG

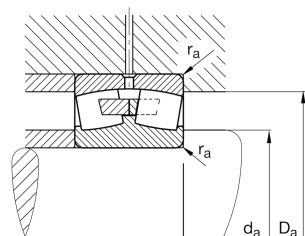
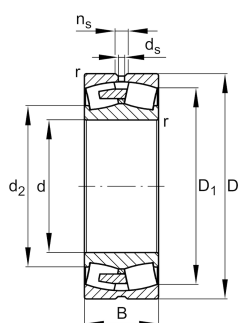
**23064-BEA-XL-MB1-C3**

## 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 | C3 (Group 3) | Internal clearance larger than CN |
| Relubrication feature     | Standard     |                                   |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 320 mm      | Bore diameter                     |
| D               | 480 mm      | Outside diameter                  |
| B               | 121 mm      | Width                             |
| C <sub>r</sub>  | 2.300.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.750.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 330.000 N   | Fatigue load limit, radial        |
| n <sub>G</sub>  | 1.480 1/min | Limiting speed                    |
| n <sub>gr</sub> | 920 1/min   | Reference speed                   |
| ≈m              | 75,595 kg   | Masa                              |

## Mounting dimensions

|                    |          |                                 |
|--------------------|----------|---------------------------------|
| d <sub>a min</sub> | 334,6 mm | Minimum diameter shaft shoulder |
| D <sub>a max</sub> | 465,4 mm |                                 |
| r <sub>a max</sub> | 3 mm     | Maximum recess radius           |



### Dimensions

|            |         |                             |
|------------|---------|-----------------------------|
| $r_{\min}$ | 4 mm    | Minimum chamfer dimension   |
| $D_1$      | 433 mm  | Bore diameter outer ring    |
| $d_s$      | 9,5 mm  | Diameter lubrication hole   |
| $n_s$      | 17,7 mm | Width of lubricating groove |

### Temperature range

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

### Calculation factors

|       |      |                           |
|-------|------|---------------------------|
| $e$   | 0,22 |                           |
| $Y_1$ | 3,01 | Dynamic axial load factor |
| $Y_2$ | 4,48 | Dynamic axial load factor |
| $Y_0$ | 2,94 | 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            |