

FAG

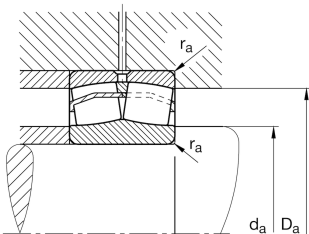
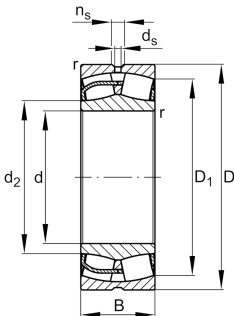
24180-BE-XL-H40

Spherical Roller Bearing

Spherical roller bearing 241...-BE-XL-H40, symmetric with rib washer

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     | H40          | Without lubricating groove and holes |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 400 mm       | Bore diameter                     |
| D               | 650 mm       | Outside diameter                  |
| B               | 250 mm       | Width                             |
| C <sub>r</sub>  | 6.200.000 N  | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 10.600.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 790.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 800 1/min    | Limiting speed                    |
| n <sub>gr</sub> | 300 1/min    | Reference speed                   |
| ≈m              | 320 kg       | Masa                              |



Mounting dimensions

|             |        |                                      |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 426 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 624 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 5 mm   | Maximum recess radius                |

Dimensions

|            |          |                                    |
|------------|----------|------------------------------------|
| $r_{\min}$ | 6 mm     | Minimum chamfer dimension          |
| $D_1$      | 556,5 mm | Bore diameter outer ring           |
| $d_2$      | 448,8 mm | Raceway diameter of the inner ring |

Temperature range

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

Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,37 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 1,82 | Dynamic axial load factor                                                            |
| $Y_2$ | 2,7  | Dynamic axial load factor                                                            |
| $Y_0$ | 1,78 | Static axial load factor                                                             |

Właściwości

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