

FAG

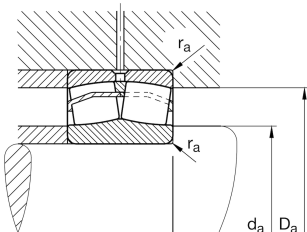
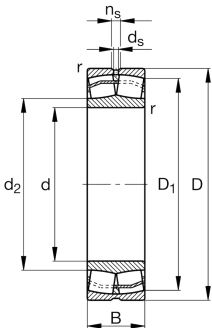
22320-E1-XL-T41A

Spherical Roller Bearing

Spherical roller bearing 223...E1-XL-T41A, symmetric with cage guidance ring

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                      | C4 (Group 4) | Internal clearance larger than C3 |
| Relubrication feature                          | Standard     |                                   |
| Spherical roller bearing for vibrating screens | T41A         | For vibrating screens             |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 100 mm      | Bore diameter                     |
| D               | 215 mm      | Outside diameter                  |
| B               | 73 mm       | Width                             |
| C <sub>r</sub>  | 810.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 920.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 77.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.380 1/min | Reference speed                   |
| ≈m              | 13,051 kg   | Masa                              |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 114 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 201 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 2,5 mm | Maximum recess radius                |

### Dimensions

|            |          |                                    |
|------------|----------|------------------------------------|
| $r_{\min}$ | 3 mm     | Minimum chamfer dimension          |
| $D_1$      | 184,7 mm | Bore diameter outer ring           |
| $d_2$      | 130,2 mm | Raceway diameter of the inner ring |
| $d_s$      | 6,3 mm   | Diameter lubrication hole          |
| $n_s$      | 12,2 mm  | Width of lubricating groove        |

### Temperature range

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

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,33 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,03 | Dynamic axial load factor                                                            |
| $Y_2$ | 3,02 | Dynamic axial load factor                                                            |
| $Y_0$ | 1,98 | Static axial load factor                                                             |



## Właściwości

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