



FAG

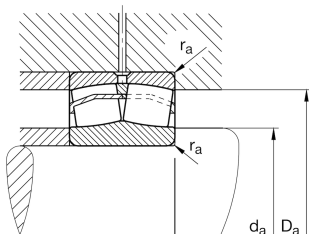
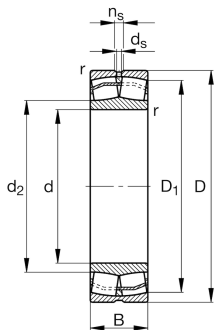
X-life

**22317-E1-XL-T41A**

## Spherical Roller Bearing

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

## Technical information



## Your current product variant

|                                                |              |                                   |
|------------------------------------------------|--------------|-----------------------------------|
| 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                                  | Standard     |                                   |
| Spherical roller bearing for vibrating screens | T41A         | For vibrating screens             |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 85 mm       | Bore diameter                     |
| D               | 180 mm      | Outside diameter                  |
| B               | 60 mm       | Width                             |
| C <sub>r</sub>  | 540.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 560.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 51.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.200 1/min | Reference speed                   |
| ≈m              | 7,214 kg    | Weight                            |



Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 99 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 166 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2,5 mm | Maximum recess radius                |

Dimensions

|                  |          |                                    |
|------------------|----------|------------------------------------|
| r <sub>min</sub> | 3 mm     | Minimum chamfer dimension          |
| D <sub>1</sub>   | 154,2 mm | Bore diameter outer ring           |
| d <sub>2</sub>   | 104,4 mm | Raceway diameter of the inner ring |
| d <sub>s</sub>   | 4,8 mm   | Diameter lubrication hole          |
| n <sub>s</sub>   | 9,5 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              | 0,33 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y <sub>1</sub> | 2,04 | Dynamic axial load factor                                                        |
| Y <sub>2</sub> | 3,04 | Dynamic axial load factor                                                        |
| Y <sub>0</sub> | 2    | Static axial load factor                                                         |



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment