

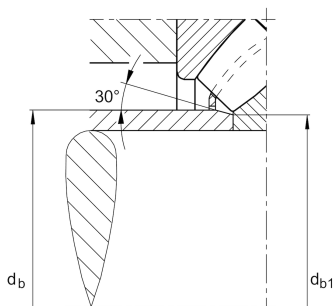
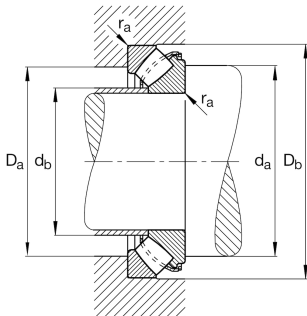
**FAG****29428-E1-XL** 

Axial spherical roller bearing

Axial spherical roller bearing 294..-E1-XL, no flanging ring

**X-life**

## Technical information



## Your current product variant

|                                             |          |                  |
|---------------------------------------------|----------|------------------|
| Heat treatment                              | Standard | Standard         |
| Locating feature, housing washer            | Without  |                  |
| Cage                                        | JP       | Sheet metal cage |
| Handling thread holes                       | Without  |                  |
| Constricted width and inclination variation | Standard |                  |
| Test certificate                            | Without  |                  |

## Main Dimensions &amp; Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 140 mm      | Bore diameter                    |
| D               | 280 mm      | Outside diameter                 |
| T               | 85 mm       | Height                           |
| C <sub>a</sub>  | 1.720.000 N | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 4.500.000 N | Basic static load rating, axial  |
| C <sub>ua</sub> | 495.000 N   | Fatigue load limit, axial        |
| n <sub>G</sub>  | 2.460 1/min | Limiting speed                   |
| n <sub>gr</sub> | 1.290 1/min | Reference speed                  |
| ≈m              | 21,6 kg     | Weight                           |



### Mounting dimensions

|                     |        |                                             |
|---------------------|--------|---------------------------------------------|
| d <sub>a min</sub>  | 205 mm | Minimum diameter shaft shoulder             |
| D <sub>a max</sub>  | 237 mm | Maximum diameter of housing shoulder        |
| D <sub>b min</sub>  | 285 mm | Minimum bore diameter housing               |
| d <sub>b max</sub>  | 162 mm | Maximum distance sleeve                     |
| d <sub>b1 max</sub> | 154 mm | Maximum chamfer diameter of distance sleeve |
| r <sub>a max</sub>  | 3 mm   | Maximum recess radius                       |
|                     | 30 °   | Angle of chamfer of the distance sleeve     |

### Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| D <sub>1</sub>   | 194,5 mm | Bore diameter housing washer |
| d <sub>1</sub>   | 251,1 mm | Rip diameter shaft washer    |
| r <sub>min</sub> | 4 mm     | Minimum chamfer dimension    |
| T <sub>1</sub>   | 41 mm    | Height of the housing washer |
| T <sub>3</sub>   | 54 mm    | Height of the shaft washer   |
| T <sub>5</sub>   | 74,5 mm  | Distance shaft washer - cage |
| A                | 86 mm    | Distance of the center point |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 200 °C | Operating temperature max. |



Characteristics

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