



FAG

**29320-E1-XL-N1**

Axial spherical roller bearing

Axial spherical roller bearing 293..-E1-XL, no flanging ring

X-life

## Technical information



## Your current product variant

|   |          |                                  |
|---|----------|----------------------------------|
| Heat treatment                              | Standard | Standard                         |
| Locating feature, housing washer            | N1       | Locating feature, housing washer |
| Cage  | JP       | Sheet metal cage                 |
| Handling thread holes                       | Without  |                                  |
| Constricted width and inclination variation | Standard |                                  |
| Test certificate                            | Without  |                                  |

## Main Dimensions &amp; Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 100 mm      | Bore diameter                    |
| D               | 170 mm      | Outside diameter                 |
| T               | 42 mm       | Height                           |
| C <sub>a</sub>  | 495.000 N   | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 1.340.000 N | Basic static load rating, axial  |
| C <sub>ua</sub> | 194.000 N   | Fatigue load limit, axial        |
| n <sub>G</sub>  | 4.200 1/min | Limiting speed                   |
| n <sub>gr</sub> | 1.960 1/min | Reference speed                  |
| ≈m              | 3,416 kg    | Weight                           |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 135 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 148 mm | Maximum diameter of housing shoulder |
| $D_{b \min}$ | 173 mm | Minimum bore diameter housing        |
| $d_{b \max}$ | 107 mm | Maximum distance sleeve              |
| $r_{a \max}$ | 1,5 mm | Maximum recess radius                |

### Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $D_1$      | 127,5 mm | Bore diameter housing washer |
| $d_1$      | 156 mm   | Rip diameter shaft washer    |
| $r_{\min}$ | 1,5 mm   | Minimum chamfer dimension    |
| $T_1$      | 20,5 mm  | Height of the housing washer |
| $T_3$      | 26,2 mm  | Height of the shaft washer   |
| $T_5$      | 37,5 mm  | Distance shaft washer - cage |
| $A$        | 58 mm    | Distance of the center point |

### Temperature range

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