

**FAG****29434-E1-XL-N1**

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 | 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 & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 170 mm | Bore diameter |
| D | 340 mm | Outside diameter |
| T | 103 mm | Height |
| C _a | 2.550.000 N | Basic dynamic load rating, axial |
| C _{0a} | 6.900.000 N | Basic static load rating, axial |
| C _{ua} | 700.000 N | Fatigue load limit, axial |
| n _G | 1.990 1/min | Limiting speed |
| n _{gr} | 1.020 1/min | Reference speed |
| ≈m | 37.901 kg | Weight |



Mounting dimensions

| | | |
|---------------|--------|---|
| $d_{a \min}$ | 250 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 288 mm | Maximum diameter of housing shoulder |
| $D_{b \min}$ | 346 mm | Minimum bore diameter housing |
| $d_{b \max}$ | 199 mm | Maximum distance sleeve |
| $d_{b1 \max}$ | 186 mm | Maximum chamfer diameter of distance sleeve |
| $r_{a \max}$ | 4 mm | Maximum recess radius |
| | 30 ° | Angle of chamfer of the distance sleeve |

Dimensions

| | | |
|------------|---------|------------------------------|
| D_1 | 236 mm | Bore diameter housing washer |
| d_1 | 305 mm | Rip diameter shaft washer |
| r_{\min} | 5 mm | Minimum chamfer dimension |
| T_1 | 50 mm | Height of the housing washer |
| T_3 | 65,5 mm | Height of the shaft washer |
| T_5 | 89,5 mm | Distance shaft washer - cage |
| A | 104 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



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment