

**FAG****29272-E1-MB**

Axial spherical roller bearing

Axial spherical roller bearing 292..-E1-MB,
with flanging ring

Technical information



Your current product variant

| | | |
|---|----------|------------------|
| Heat treatment | Standard | Standard |
| Cage | MB | Solid brass cage |
| Locating feature, housing washer | Without | |
| Handling thread holes | Without | |
| Constricted width and inclination variation | Standard | |
| Test certificate | Without | |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 360 mm | Bore diameter |
| D | 500 mm | Outside diameter |
| T | 85 mm | Section height |
| C _a | 1.870.000 N | Basic dynamic load rating, axial |
| C _{0a} | 8.500.000 N | Basic static load rating, axial |
| C _{ua} | 890.000 N | Fatigue load limit, axial |
| n _G | 1.230 1/min | Limiting speed |
| n _{gr} | 690 1/min | Reference speed |
| m | 48,68 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 430 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 461 mm | Maximum diameter of housing shoulder |
| $D_{b \min}$ | 510 mm | Minimum bore diameter housing |
| $d_{b \max}$ | 379 mm | Maximum distance sleeve |
| $r_{a \max}$ | 3 mm | Maximum recess radius |

Dimensions

| | | |
|------------|----------|---------------------------------------|
| D_1 | 423 mm | Bore diameter housing washer |
| d_1 | 470 mm | Rip diameter shaft washer |
| r_{\min} | 4 mm | Minimum chamfer dimension |
| T_1 | 44 mm | Height of the housing washer |
| T_2 | 31 mm | Height of shaft washer |
| T_3 | 51 mm | Height of the shaft washer |
| T_4 | 81 mm | Height of shaft washer, inc. lip ring |
| A | 194,5 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