

**FAG****29288-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 | 440 mm | Bore diameter |
| D | 600 mm | Outside diameter |
| T | 95 mm | Section height |
| C _a | 2.500.000 N | Basic dynamic load rating, axial |
| C _{0a} | 12.400.000 N | Basic static load rating, axial |
| C _{ua} | 1.200.000 N | Fatigue load limit, axial |
| n _G | 1.010 1/min | Limiting speed |
| n _{gr} | 560 1/min | Reference speed |
| ≈m | 90,76 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 520 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 554 mm | Maximum diameter of housing shoulder |
| $D_{b \min}$ | 610 mm | Minimum bore diameter housing |
| $d_{b \max}$ | 458 mm | Maximum distance sleeve |
| $r_{a \max}$ | 4 mm | Maximum recess radius |

Dimensions

| | | |
|------------|--------|---------------------------------------|
| D_1 | 508 mm | Bore diameter housing washer |
| d_1 | 570 mm | Rip diameter shaft washer |
| r_{\min} | 5 mm | Minimum chamfer dimension |
| T_1 | 49 mm | Height of the housing washer |
| T_2 | 34 mm | Height of shaft washer |
| T_3 | 61 mm | Height of the shaft washer |
| T_4 | 91 mm | Height of shaft washer, inc. lip ring |
| A | 235 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