



FAG

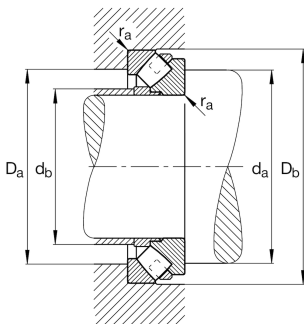
29492-E1-XL-N1-MB

Axial spherical roller bearing

Axial spherical roller bearing 294..-E1-XL-MB,
with flanging ring

X-life

Technical information



Your current product variant

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

Main Dimensions & Performance Data

| | | |
|-----------------|--------------|----------------------------------|
| d | 460 mm | Bore diameter |
| D | 800 mm | Outside diameter |
| T | 206 mm | Section height |
| C _a | 9.800.000 N | Basic dynamic load rating, axial |
| C _{0a} | 33.500.000 N | Basic static load rating, axial |
| C _{ua} | 3.000.000 N | Fatigue load limit, axial |
| n _G | 760 1/min | Limiting speed |
| n _{gr} | 360 1/min | Reference speed |
| ≈m | 424,5 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 630 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 704 mm | Maximum diameter of housing shoulder |
| $D_{b \min}$ | 815 mm | Minimum bore diameter housing |
| $d_{b \max}$ | 497 mm | Maximum distance sleeve |
| $r_{a \max}$ | 8 mm | Maximum recess radius |

Dimensions

| | | |
|------------|----------|---------------------------------------|
| D_1 | 596 mm | Bore diameter housing washer |
| d_1 | 735 mm | Rip diameter shaft washer |
| r_{\min} | 9,5 mm | Minimum chamfer dimension |
| T_1 | 101,5 mm | Height of the housing washer |
| T_2 | 77 mm | Height of shaft washer |
| T_3 | 135 mm | Height of the shaft washer |
| T_4 | 199 mm | Height of shaft washer, inc. lip ring |
| A | 268 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