

**FAG****29484-E1-XL-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	Without	
Handling thread holes	Without	
Constricted width and inclination variation	Standard	
Test certificate	Without	

Main Dimensions & Performance Data

d	420 mm	Bore diameter
D	730 mm	Outside diameter
T	185 mm	Section height
C_a	8.200.000 N	Basic dynamic load rating, axial
C_{0a}	28.500.000 N	Basic static load rating, axial
C_{ua}	2.550.000 N	Fatigue load limit, axial
n_G	840 1/min	Limiting speed
n_{gr}	395 1/min	Reference speed
$\approx m$	317 kg	Weight



Mounting dimensions

$d_{a \min}$	580 mm	Minimum diameter shaft shoulder
$D_{a \max}$	643 mm	Maximum diameter of housing shoulder
$D_{b \min}$	742 mm	Minimum bore diameter housing
$d_{b \max}$	457 mm	Maximum distance sleeve
$r_{a \max}$	6 mm	Maximum recess radius

Dimensions

D_1	545 mm	Bore diameter housing washer
d_1	670 mm	Rip diameter shaft washer
r_{\min}	7,5 mm	Minimum chamfer dimension
T_1	90,5 mm	Height of the housing washer
T_2	70 mm	Height of shaft washer
T_3	124 mm	Height of the shaft washer
T_4	178 mm	Height of shaft washer, inc. lip ring
A	244 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