

**FAG****29488-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	440 mm	Bore diameter
D	780 mm	Outside diameter
T	206 mm	Section height
C_a	9.700.000 N	Basic dynamic load rating, axial
C_{0a}	32.500.000 N	Basic static load rating, axial
C_{ua}	2.900.000 N	Fatigue load limit, axial
n_G	780 1/min	Limiting speed
n_{gr}	375 1/min	Reference speed
m	408 kg	Weight



Mounting dimensions

$d_{a \min}$	610 mm	Minimum diameter shaft shoulder
$D_{a \max}$	684 mm	Maximum diameter of housing shoulder
$D_{b \min}$	794 mm	Minimum bore diameter housing
$d_{b \max}$	477 mm	Maximum distance sleeve
$r_{a \max}$	8 mm	Maximum recess radius

Dimensions

D_1	577 mm	Bore diameter housing washer
d_1	715 mm	Rip diameter shaft washer
r_{\min}	9,5 mm	Minimum chamfer dimension
T_1	101 mm	Height of the housing washer
T_2	77 mm	Height of shaft washer
T_3	134 mm	Height of the shaft washer
T_4	199 mm	Height of shaft washer, inc. lip ring
A	257 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