



FAG

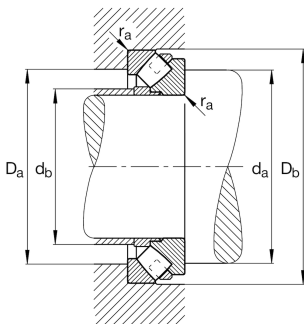
**29488-E1-XL-MB**

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 &amp; 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
$\approx m$	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

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-  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