



FAG

**29496-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	480 mm	Bore diameter
D	850 mm	Outside diameter
T	224 mm	Section height
$C_a$	11.700.000 N	Basic dynamic load rating, axial
$C_{0a}$	39.500.000 N	Basic static load rating, axial
$C_{ua}$	3.450.000 N	Fatigue load limit, axial
$n_G$	710 1/min	Limiting speed
$n_{gr}$	335 1/min	Reference speed
$\approx m$	529 kg	Weight



### Mounting dimensions

$d_{a \min}$	660 mm	Minimum diameter shaft shoulder
$D_{a \max}$	744 mm	Maximum diameter of housing shoulder
$D_{b \min}$	865 mm	Minimum bore diameter housing
$d_{b \max}$	516 mm	Maximum distance sleeve
$r_{a \max}$	8 mm	Maximum recess radius

### Dimensions

$D_1$	625 mm	Bore diameter housing washer
$d_1$	780 mm	Rip diameter shaft washer
$r_{\min}$	9,5 mm	Minimum chamfer dimension
$T_1$	108 mm	Height of the housing washer
$T_2$	88 mm	Height of shaft washer
$T_3$	147 mm	Height of the shaft washer
$T_4$	216 mm	Height of shaft washer, inc. lip ring
A	280 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