



FAG

**29480-E1-XL-MB-THI**

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	THI	Handling thread holes, shaft washer
Constricted width and inclination variation	Standard	
Test certificate	Without	

## Main Dimensions &amp; Performance Data

d	400 mm	Bore diameter
D	710 mm	Outside diameter
T	185 mm	Section height
C <sub>a</sub>	8.200.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	26.500.000 N	Basic static load rating, axial
C <sub>ua</sub>	2.440.000 N	Fatigue load limit, axial
n <sub>G</sub>	870 1/min	Limiting speed
n <sub>gr</sub>	425 1/min	Reference speed
≈m	304 kg	Weight



### Mounting dimensions

$d_{a \min}$	555 mm	Minimum diameter shaft shoulder
$D_{a \max}$	622 mm	Maximum diameter of housing shoulder
$D_{b \min}$	722 mm	Minimum bore diameter housing
$d_{b \max}$	434 mm	Maximum distance sleeve
$r_{a \max}$	6 mm	Maximum recess radius

### Dimensions

$D_1$	525 mm	Bore diameter housing washer
$d_1$	650 mm	Rip diameter shaft washer
$r_{\min}$	7,5 mm	Minimum chamfer dimension
$T_1$	89,5 mm	Height of the housing washer
$T_2$	69 mm	Height of shaft washer
$T_3$	120 mm	Height of the shaft washer
$T_4$	178 mm	Height of shaft washer, inc. lip ring
A	234 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