

**FAG****294/670-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	670 mm	Bore diameter
D	1.150 mm	Outside diameter
T	290 mm	Section height
C <sub>a</sub>	18.400.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	66.000.000 N	Basic static load rating, axial
C <sub>ua</sub>	5.500.000 N	Fatigue load limit, axial
n <sub>G</sub>	510 1/min	Limiting speed
n <sub>gr</sub>	241 1/min	Reference speed
≈m	1.211 kg	Weight



### Mounting dimensions

$d_{a \min}$	910 mm	Minimum diameter shaft shoulder
$D_{a \max}$	1.015 mm	Maximum diameter of housing shoulder
$D_{b \min}$	1.175 mm	Minimum bore diameter housing
$d_{b \max}$	723 mm	Maximum distance sleeve
$r_{a \max}$	12 mm	Maximum recess radius

### Dimensions

$D_1$	864 mm	Bore diameter housing washer
$d_1$	1.060 mm	Rip diameter shaft washer
$r_{\min}$	15 mm	Minimum chamfer dimension
$T_1$	141 mm	Height of the housing washer
$T_2$	110 mm	Height of shaft washer
$T_3$	191 mm	Height of the shaft washer
$T_4$	280 mm	Height of shaft washer, inc. lip ring
A	387 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