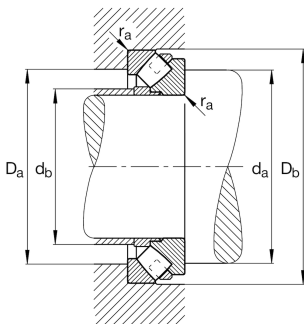


**FAG****294/530-E1-XL-N1-MB** [↗](#)

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	N1	Locating feature, housing washer
Handling thread holes	Without	
Constricted width and inclination variation	Standard	
Test certificate	Without	

**Main Dimensions & Performance Data**

d	530 mm	Bore diameter
D	920 mm	Outside diameter
T	236 mm	Section height
$C_a$	12.700.000 N	Basic dynamic load rating, axial
$C_{0a}$	44.500.000 N	Basic static load rating, axial
$C_{ua}$	3.850.000 N	Fatigue load limit, axial
$n_G$	650 1/min	Limiting speed
$n_{gr}$	305 1/min	Reference speed
$\approx m$	640,5 kg	Weight



### Mounting dimensions

$d_{a \min}$	725 mm	Minimum diameter shaft shoulder
$D_{a \max}$	810 mm	Maximum diameter of housing shoulder
$D_{b \min}$	937 mm	Minimum bore diameter housing
$d_{b \max}$	570 mm	Maximum distance sleeve
$r_{a \max}$	8 mm	Maximum recess radius

### Dimensions

$D_1$	686 mm	Bore diameter housing washer
$d_1$	845 mm	Rip diameter shaft washer
$r_{\min}$	9,5 mm	Minimum chamfer dimension
$T_1$	116 mm	Height of the housing washer
$T_2$	89 mm	Height of shaft washer
$T_3$	156 mm	Height of the shaft washer
$T_4$	228 mm	Height of shaft washer, inc. lip ring
A	308 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