

**FAG****29280-E1-MB** [↗](#)

Axial spherical roller bearing

Axial spherical roller bearing 292...E1-MB,  
with flanging ring

## 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	400 mm	Bore diameter
D	540 mm	Outside diameter
T	85 mm	Section height
C <sub>a</sub>	2.040.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	9.600.000 N	Basic static load rating, axial
C <sub>ua</sub>	990.000 N	Fatigue load limit, axial
n <sub>G</sub>	1.130 1/min	Limiting speed
n <sub>gr</sub>	620 1/min	Reference speed
≈m	52,48 kg	Weight



### Mounting dimensions

$d_{a \min}$	465 mm	Minimum diameter shaft shoulder
$D_{a \max}$	500 mm	Maximum diameter of housing shoulder
$D_{b \min}$	550 mm	Minimum bore diameter housing
$d_{b \max}$	414 mm	Maximum distance sleeve
$r_{a \max}$	3 mm	Maximum recess radius

### Dimensions

$D_1$	460 mm	Bore diameter housing washer
$d_1$	510 mm	Rip diameter shaft washer
$r_{\min}$	4 mm	Minimum chamfer dimension
$T_1$	42 mm	Height of the housing washer
$T_2$	31 mm	Height of shaft washer
$T_3$	53,5 mm	Height of the shaft washer
$T_4$	81 mm	Height of shaft washer, inc. lip ring
A	212 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