**FAG****293/500-E1-XL-N1-MB**

Axial spherical roller bearing

Axial spherical roller bearing 293..-E1-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	500 mm	Bore diameter
D	750 mm	Outside diameter
T	150 mm	Section height
C <sub>a</sub>	5.900.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	22.000.000 N	Basic static load rating, axial
C <sub>ua</sub>	2.250.000 N	Fatigue load limit, axial
n <sub>G</sub>	800 1/min	Limiting speed
n <sub>gr</sub>	400 1/min	Reference speed
≈m	222 kg	Weight



### Mounting dimensions

$d_{a \min}$	625 mm	Minimum diameter shaft shoulder
$D_{a \max}$	683 mm	Maximum diameter of housing shoulder
$D_{b \min}$	768 mm	Minimum bore diameter housing
$d_{b \max}$	534 mm	Maximum distance sleeve
$r_{a \max}$	5 mm	Maximum recess radius








### Dimensions

$D_1$	611 mm	Bore diameter housing washer
$d_1$	700 mm	Rip diameter shaft washer
$r_{\min}$	6 mm	Minimum chamfer dimension
$T_1$	74 mm	Height of the housing washer
$T_2$	54 mm	Height of shaft washer
$T_3$	92 mm	Height of the shaft washer
$T_4$	144 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
	Static angular error and misalignment
	Dynamic angular error and misalignment