

**FAG****29320-E1-XL-N1**

Axial spherical roller bearing

Axial spherical roller bearing 293..-E1-XL, no flanging ring

X-life

Technical information



Your current product variant

Heat treatment	Standard	Standard
Locating feature, housing washer	N1	Locating feature, housing washer
Cage	JP	Sheet metal cage
Handling thread holes	Without	
Constricted width and inclination variation	Standard	
Test certificate	Without	

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	170 mm	Outside diameter
T	42 mm	Height
C _a	495.000 N	Basic dynamic load rating, axial
C _{0a}	1.340.000 N	Basic static load rating, axial
C _{ua}	194.000 N	Fatigue load limit, axial
n _G	4.200 1/min	Limiting speed
n _{gr}	1.960 1/min	Reference speed
≈m	3,416 kg	Weight



Mounting dimensions

$d_{a \min}$	135 mm	Minimum diameter shaft shoulder
$D_{a \max}$	148 mm	Maximum diameter of housing shoulder
$D_{b \min}$	173 mm	Minimum bore diameter housing
$d_{b \max}$	107 mm	Maximum distance sleeve
$r_{a \max}$	1,5 mm	Maximum recess radius

Dimensions

D_1	127,5 mm	Bore diameter housing washer
d_1	156 mm	Rip diameter shaft washer
r_{\min}	1,5 mm	Minimum chamfer dimension
T_1	20,5 mm	Height of the housing washer
T_3	26,2 mm	Height of the shaft washer
T_5	37,5 mm	Distance shaft washer - cage
A	58 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