



FAG

29420-E1-XL-N1

Axial spherical roller bearing

Axial spherical roller bearing 294..-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	210 mm	Outside diameter
T	67 mm	Height
C _a	1.060.000 N	Basic dynamic load rating, axial
C _{0a}	2.600.000 N	Basic static load rating, axial
C _{ua}	290.000 N	Fatigue load limit, axial
n _G	3.400 1/min	Limiting speed
n _{gr}	1.740 1/min	Reference speed
≈m	9,8 kg	Weight



Mounting dimensions

$d_{a \min}$	150 mm	Minimum diameter shaft shoulder
$D_{a \max}$	175 mm	Maximum diameter of housing shoulder
$D_{b \min}$	214 mm	Minimum bore diameter housing
$d_{b \max}$	110,5 mm	Maximum distance sleeve
$r_{a \max}$	2,5 mm	Maximum recess radius

Dimensions

D_1	141,5 mm	Bore diameter housing washer
d_1	184,5 mm	Rip diameter shaft washer
r_{\min}	3 mm	Minimum chamfer dimension
T_1	32 mm	Height of the housing washer
T_3	43 mm	Height of the shaft washer
T_5	59,5 mm	Distance shaft washer - cage
A	62 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