

**FAG****29460-E1-XL-THI**

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	Without	
Cage	JP	Sheet metal cage
Handling thread holes	THI	Handling thread holes, shaft washer
Constricted width and inclination variation	Standard	
Test certificate	Without	

Main Dimensions & Performance Data

d	300 mm	Bore diameter
D	540 mm	Outside diameter
T	145 mm	Height
C _a	5.200.000 N	Basic dynamic load rating, axial
C _{0a}	16.200.000 N	Basic static load rating, axial
C _{ua}	1.550.000 N	Fatigue load limit, axial
n _G	1.180 1/min	Limiting speed
n _{gr}	570 1/min	Reference speed
≈m	129,86 kg	Weight



Mounting dimensions

$d_{a \min}$	420 mm	Minimum diameter shaft shoulder
$D_{a \max}$	471 mm	Maximum diameter of housing shoulder
$D_{b \min}$	550 mm	Minimum bore diameter housing
$d_{b \max}$	340 mm	Maximum distance sleeve
$d_{b1 \max}$	324 mm	Maximum chamfer diameter of distance sleeve
$r_{a \max}$	5 mm	Maximum recess radius
	30 °	Angle of chamfer of the distance sleeve

Dimensions

D_1	392 mm	Bore diameter housing washer
d_1	490 mm	Rip diameter shaft washer
r_{\min}	6 mm	Minimum chamfer dimension
T_1	70 mm	Height of the housing washer
T_3	95 mm	Height of the shaft washer
T_5	129,5 mm	Distance shaft washer - cage
A	175 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



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment