

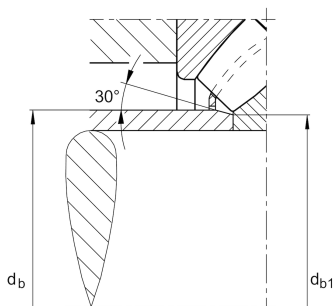
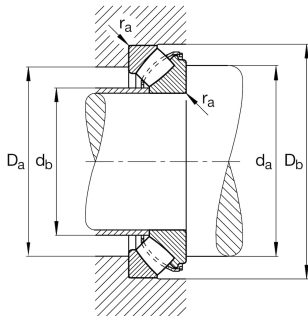
**FAG****29420-E1-XL**

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	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	9,87 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

-  F_r Radial load
-  F_a Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment