



FAG

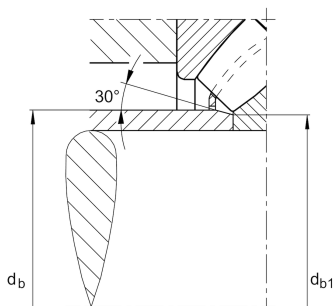
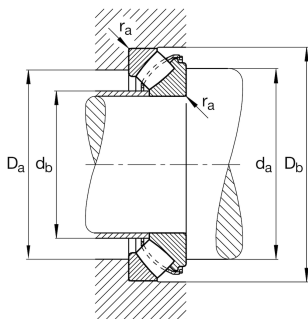
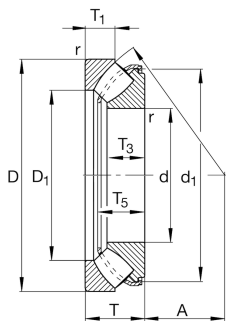
29417-E1-XL

Axial spherical roller bearing

Axial spherical roller bearing 294..-E1-XL, no flanging ring

X-life

Technical information



Your current product variant

Heat treatment	-ZZ	Standard
Locating feature, shaft washer	Without	
Handling thread holes	Without	
Constricted width and inclination variation	Standard	
Test certificate	Without	

Main Dimensions & Performance Data

d	85 mm	Bore diameter
D	180 mm	Outside diameter
T	58 mm	Height
C _a	800,000 N	Basic dynamic load rating, axial
C _{0a}	1,910,000 N	Basic static load rating, axial
C _{ua}	224,000 N	Fatigue load limit, axial
n _G	4,100 1/min	Limiting speed
n _{gr}	2,010 1/min	Reference speed
≈m	6.32 kg	Weight



Mounting dimensions

$d_{a\ min}$	130 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	150 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	183 mm	Minimum bore diameter housing
$d_{b\ max}$	94 mm	Maximum distance sleeve
$r_{a\ max}$	2.1 mm	Maximum recess radius

Dimensions

D_1	121 mm	Bore diameter housing washer
d_1	159.3 mm	Rip diameter shaft washer
r_{min}	2.1 mm	Minimum chamfer dimension
T_1	28 mm	Height of the housing washer
T_3	37 mm	Height of the shaft washer
T_5	51 mm	Distance shaft washer - cage
A	54 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