



FAG

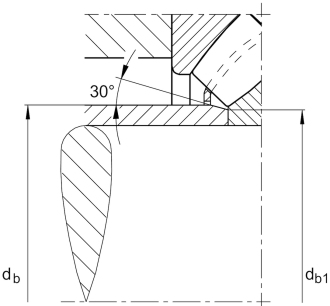
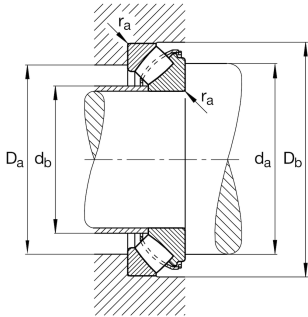
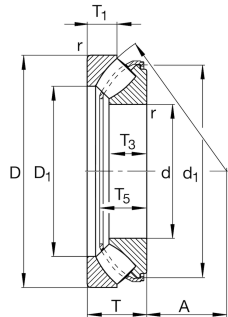
29418-E1-XL

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	90 mm	Bore diameter
D	190 mm	Outside diameter
T	60 mm	Height
C _a	880,000 N	Basic dynamic load rating, axial
C _{0a}	2,130,000 N	Basic static load rating, axial
C _{ua}	244,000 N	Fatigue load limit, axial
n _G	3,850 1/min	Limiting speed
n _{gr}	1,920 1/min	Reference speed

≈m	7.3 kg	Weight
----	--------	--------



Mounting dimensions

$d_{a\min}$	135 mm	Minimum diameter shaft shoulder
$D_{a\max}$	158 mm	Maximum diameter of housing shoulder
$D_{b\min}$	193 mm	Minimum bore diameter housing
$d_{b\max}$	99.5 mm	Maximum distance sleeve
$r_{a\max}$	2.1 mm	Maximum recess radius

Dimensions

D_1	127.5 mm	Bore diameter housing washer
d_1	167.7 mm	Rip diameter shaft washer
$r_{\min}$	2.1 mm	Minimum chamfer dimension
T_1	28.5 mm	Height of the housing washer
T_3	39 mm	Height of the shaft washer
T_5	54 mm	Distance shaft washer - cage
A	56 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