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26.12.2024, 06:07:09 UTC

SCHAEFFLER



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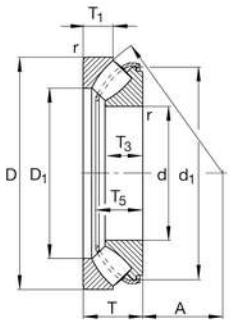
29413-E1-XL

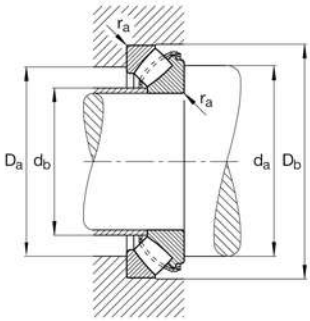
Axial spherical roller bearing

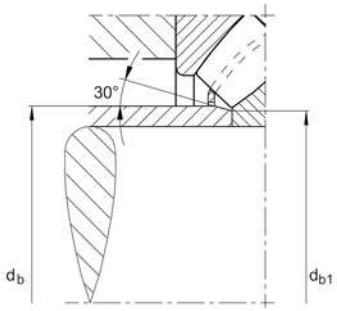
Axial spherical roller bearing 294..-E1-XL, no flanging ring

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	65 mm	Bore diameter
D	140 mm	Outside diameter
T	45 mm	Height
C_a	495,000 N	Basic dynamic load rating, axial
C_{0a}	1,160,000 N	Basic static load rating, axial
C_{ua}	139,000 N	Fatigue load limit, axial
n_G	5,500 1/min	Limiting speed
$n_{\vartheta r}$	2,600 1/min	Reference speed
≈m	3.04 kg	Weight

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

Mounting dimensions

$d_{a\ min}$	100 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	115 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	143 mm	Minimum bore diameter housing
$d_{b\ max}$	72 mm	Maximum distance sleeve
$r_{a\ max}$	2 mm	Maximum recess radius

Dimensions

D_1	91.5 mm	Bore diameter housing washer
d_1	125.2 mm	Rip diameter shaft washer
r_{min}	2 mm	Minimum chamfer dimension
T_1	22 mm	Height of the housing washer
T_3	29.5 mm	Height of the shaft washer
T_5	40.5 mm	Distance shaft washer - cage
A	42 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

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