

FAG

29414-E1-XL

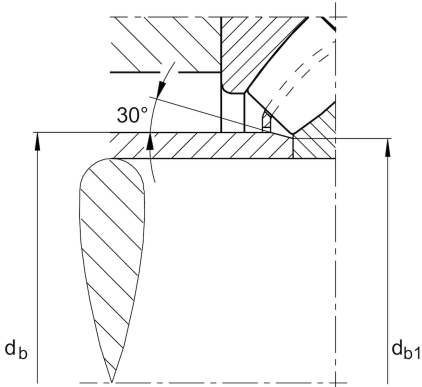
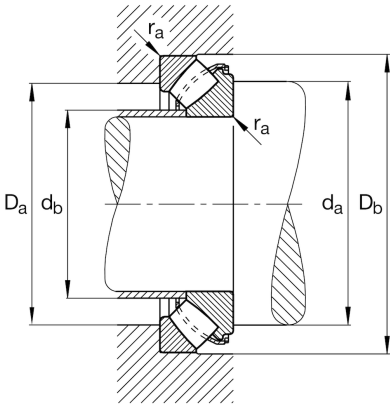
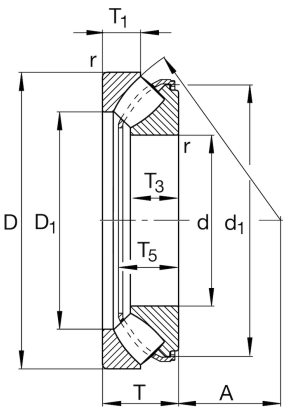
Axial spherical roller bearing

Schaeffler ID:
0390002900000

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

X-life

Technical information



Main Dimensions & Performance Data

d	[70] mm	Bore diameter
D	[150] mm	Outside diameter
T	[48] mm	Height
C _a	[550,000] N	Basic dynamic load rating, axial
C _{0a}	[1,290,000] N	Basic static load rating, axial
C _{ua}	[154,000] N	Fatigue load limit, axial
n _G	[5,000] 1/min	Limiting speed
n _{gr}	[2,430] 1/min	Reference speed
	[3.7] kg	Weight

Mounting dimensions

d _{a min}	[110] mm	Minimum diameter shaft shoulder
D _{a max}	[124] mm	Maximum diameter of housing shoulder
D _{b min}	[153] mm	Minimum bore diameter housing
d _{b max}	[78.5] mm	Maximum distance sleeve
r _{a max}	[2] mm	Maximum recess radius

Dimensions

D ₁	[99] mm	Bore diameter housing washer
d ₁	[133.8] mm	Rip diameter shaft washer
r _{min}	[2] mm	Minimum chamfer dimension
T ₁	[23.8] mm	Height of the housing washer
T ₃	[31] mm	Height of the shaft washer
T ₅	[42.5] mm	Distance shaft washer - cage
A	[44.8] mm	Distance of the center point

Temperature range

T _{min}	[-30] °C	Operating temperature min.
T _{max}	[200] °C	Operating temperature max.