



FAG

294/600-E1-XL-MB

Axial spherical roller bearing

Axial spherical roller bearing 294..-E1-XL-MB,
with flanging ring

X-life

Technical information



Your current product variant

Heat treatment	Standard	Standard
Cage	MB	Solid brass cage
Locating feature, housing washer	Without	
Handling thread holes	Without	
Constricted width and inclination variation	Standard	
Test certificate	Without	

Main Dimensions & Performance Data

d	600 mm	Bore diameter
D	1.030 mm	Outside diameter
T	258 mm	Section height
C _a	15.200.000 N	Basic dynamic load rating, axial
C _{0a}	56.000.000 N	Basic static load rating, axial
C _{ua}	4.700.000 N	Fatigue load limit, axial
n _G	580 1/min	Limiting speed
n _{gr}	265 1/min	Reference speed
≈m	872 kg	Weight



Mounting dimensions

$d_{a \min}$	820 mm	Minimum diameter shaft shoulder
$D_{a \max}$	900 mm	Maximum diameter of housing shoulder
$D_{b \min}$	1.055 mm	Minimum bore diameter housing
$d_{b \max}$	649 mm	Maximum distance sleeve
$r_{a \max}$	10 mm	Maximum recess radius

Dimensions

D_1	769 mm	Bore diameter housing washer
d_1	950 mm	Rip diameter shaft washer
r_{\min}	12 mm	Minimum chamfer dimension
T_1	128 mm	Height of the housing washer
T_2	99 mm	Height of shaft washer
T_3	172 mm	Height of the shaft washer
T_4	249 mm	Height of shaft washer, inc. lip ring
A	349 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
-  Large bearing
-  Static angular error and misalignment
-  Dynamic angular error and misalignment