



FAG

29368-E1-XL-MB

Axial spherical roller bearing

Axial spherical roller bearing 293..-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	340 mm	Bore diameter
D	540 mm	Outside diameter
T	122 mm	Section height
C_a	3.750.000 N	Basic dynamic load rating, axial
C_{0a}	12.600.000 N	Basic static load rating, axial
C_{ua}	1.390.000 N	Fatigue load limit, axial
n_G	1.150 1/min	Limiting speed
n_{gr}	600 1/min	Reference speed
$\approx m$	103,3 kg	Weight



Mounting dimensions

$d_{a \min}$	440 mm	Minimum diameter shaft shoulder
$D_{a \max}$	484 mm	Maximum diameter of housing shoulder
$D_{b \min}$	550 mm	Minimum bore diameter housing
$d_{b \max}$	365 mm	Maximum distance sleeve
$r_{a \max}$	4 mm	Maximum recess radius

Dimensions

D_1	428 mm	Bore diameter housing washer
d_1	500 mm	Rip diameter shaft washer
r_{\min}	5 mm	Minimum chamfer dimension
T_1	59,5 mm	Height of the housing washer
T_2	44 mm	Height of shaft washer
T_3	75 mm	Height of the shaft washer
T_4	117 mm	Height of shaft washer, inc. lip ring
A	192 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