

**FAG****294/850-E1-MB**

Axial spherical roller bearing

Axial spherical roller bearings 294..-E1, main dimensions to DIN 728/ISO 104, single direction, separable

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	850 mm	Bore diameter
D	1.440 mm	Outside diameter
T	354 mm	Section height
C _a	24.000.000 N	Basic dynamic load rating, axial
C _{0a}	110.000.000 N	Basic static load rating, axial
C _{ua}	8.600.000 N	Fatigue load limit, axial
n _G	400 1/min	Limiting speed
n _{gr}	174 1/min	Reference speed
m	2.342 kg	Weight



Mounting dimensions

$d_{a \min}$	1.145 mm	Minimum diameter shaft shoulder
$D_{a \max}$	1.275 mm	Maximum diameter of housing shoulder
$D_{b \min}$	1.470 mm	Minimum bore diameter housing
$d_{b \max}$	915 mm	Maximum distance sleeve
$r_{a \max}$	12 mm	Maximum recess radius

Dimensions

D_1	1.077 mm	Bore diameter housing washer
d_1	1.325 mm	Rip diameter shaft washer
r_{\min}	15 mm	Minimum chamfer dimension
T_1	172 mm	Height of the housing washer
T_2	142,9 mm	Height of shaft washer
T_3	239 mm	Height of the shaft washer
T_4	342 mm	Height of shaft washer, inc. lip ring
A	490 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