

**FAG****294/950-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	950 mm	Bore diameter
D	1.600 mm	Outside diameter
T	390 mm	Section height
C _a	28.500.000 N	Basic dynamic load rating, axial
C _{0a}	132.000.000 N	Basic static load rating, axial
C _{ua}	10.100.000 N	Fatigue load limit, axial
n _G	355 1/min	Limiting speed
n _{gr}	155 1/min	Reference speed
m	3.128 kg	Weight



Mounting dimensions

$d_{a \min}$	1.275 mm	Minimum diameter shaft shoulder
$D_{a \max}$	1.372 mm	Maximum diameter of housing shoulder
$D_{b \min}$	1.635 mm	Minimum bore diameter housing
$d_{b \max}$	1.020 mm	Maximum distance sleeve
$r_{a \max}$	12 mm	Maximum recess radius

Dimensions

D_1	1.209 mm	Bore diameter housing washer
d_1	1.475 mm	Rip diameter shaft washer
r_{\min}	15 mm	Minimum chamfer dimension
T_1	191 mm	Height of the housing washer
T_2	153 mm	Height of shaft washer
T_3	260 mm	Height of the shaft washer
T_4	377 mm	Height of shaft washer, inc. lip ring
A	546 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