



FAG

294/710-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	710 mm	Bore diameter
D	1.220 mm	Outside diameter
T	308 mm	Section height
C _a	21.000.000 N	Basic dynamic load rating, axial
C _{0a}	76.000.000 N	Basic static load rating, axial
C _{ua}	6.200.000 N	Fatigue load limit, axial
n _G	475 1/min	Limiting speed
n _{gr}	220 1/min	Reference speed
≈m	1.447 kg	Weight



Mounting dimensions

$d_{a \min}$	960 mm	Minimum diameter shaft shoulder
$D_{a \max}$	1.073 mm	Maximum diameter of housing shoulder
$D_{b \min}$	1.250 mm	Minimum bore diameter housing
$d_{b \max}$	762 mm	Maximum distance sleeve
$r_{a \max}$	12 mm	Maximum recess radius

Dimensions

D_1	917 mm	Bore diameter housing washer
d_1	1.120 mm	Rip diameter shaft washer
r_{\min}	15 mm	Minimum chamfer dimension
T_1	149 mm	Height of the housing washer
T_2	117 mm	Height of shaft washer
T_3	202 mm	Height of the shaft washer
T_4	298 mm	Height of shaft washer, inc. lip ring
A	415 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