



FAG

29496-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	480 mm	Bore diameter
D	850 mm	Outside diameter
T	224 mm	Section height
C_a	11.700.000 N	Basic dynamic load rating, axial
C_{0a}	39.500.000 N	Basic static load rating, axial
C_{ua}	3.450.000 N	Fatigue load limit, axial
n_G	710 1/min	Limiting speed
n_{gr}	335 1/min	Reference speed
$\approx m$	529 kg	Weight



Mounting dimensions

$d_{a \min}$	660 mm	Minimum diameter shaft shoulder
$D_{a \max}$	744 mm	Maximum diameter of housing shoulder
$D_{b \min}$	865 mm	Minimum bore diameter housing
$d_{b \max}$	516 mm	Maximum distance sleeve
$r_{a \max}$	8 mm	Maximum recess radius

Dimensions

D_1	625 mm	Bore diameter housing washer
d_1	780 mm	Rip diameter shaft washer
r_{\min}	9,5 mm	Minimum chamfer dimension
T_1	108 mm	Height of the housing washer
T_2	88 mm	Height of shaft washer
T_3	147 mm	Height of the shaft washer
T_4	216 mm	Height of shaft washer, inc. lip ring
A	280 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