

**FAG****293/630-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
Constricted width and inclination variation	Standard	

Main Dimensions & Performance Data

d	630 mm	Bore diameter
D	950 mm	Outside diameter
T	190 mm	Section height
C _a	9.700.000 N	Basic dynamic load rating, axial
C _{0a}	37.500.000 N	Basic static load rating, axial
C _{ua}	3.550.000 N	Fatigue load limit, axial
n _G	620 1/min	Limiting speed
n _{gr}	305 1/min	Reference speed
≈m	459 kg	Weight



Mounting dimensions

$d_{a \min}$	785 mm	Minimum diameter shaft shoulder
$D_{a \max}$	856 mm	Maximum diameter of housing shoulder
$D_{b \min}$	970 mm	Minimum bore diameter housing
$d_{b \max}$	666 mm	Maximum distance sleeve
$r_{a \max}$	8 mm	Maximum recess radius

Dimensions

D_1	761 mm	Bore diameter housing washer
d_1	885,5 mm	Rip diameter shaft washer
r_{\min}	9,5 mm	Minimum chamfer dimension
T_1	92 mm	Height of the housing washer
T_2	68 mm	Height of shaft washer
T_3	122 mm	Height of the shaft washer
T_4	183 mm	Height of shaft washer, inc. lip ring
A	345 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