

**FAG****231/600-MB-H40** [↗](#)

Spherical Roller Bearing

Spherical roller bearing 231...-MB-H40,
symmetric 3 ribs

Technical information



Your current product variant

Bore type	Z	Cylindrical
Cage	MB	Solid brass cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication	H40	Without lubricating groove and holes

Main Dimensions & Performance Data

d	600 mm	Bore diameter
D	980 mm	Outside diameter
B	300 mm	Width
C_r	9.000.000 N	Basic dynamic load rating, radial
C_{0r}	19.200.000 N	Basic static load rating, radial
C_{ur}	840.000 N	Fatigue load limit, radial
n_G	560 1/min	Limiting speed
n_{gr}	270 1/min	Reference speed
m	920 kg	Weight

Mounting dimensions

$d_{a \min}$	632 mm	Minimum diameter shaft shoulder
$D_{a \max}$	948 mm	Maximum diameter of housing shoulder
$r_{a \max}$	6 mm	Maximum recess radius



Dimensions

r_{min}	7,5 mm	Minimum chamfer dimension
D_1	852,6 mm	Bore diameter outer ring









Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Calculation factors

e	0,31	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,2	Dynamic axial load factor
Y_2	3,27	Dynamic axial load factor
Y_0	2,15	Static axial load factor

Characteristics

-  F_r Radial load
-  F_a Axial load in one direction
-  F_a Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment