

**FAG****20316-MB-C3**

Barrel roller bearing

Barrel roller bearings 203, main dimensions to DIN 635-1

Technical information

**Your current product variant**

Bore type	Z	Cylindrical
Cage	MB	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN

Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	170 mm	Outside diameter
B	39 mm	Width
C_r	243.000 N	Basic dynamic load rating, radial
C_{0r}	285.000 N	Basic static load rating, radial
C_{ur}	26.000 N	Fatigue load limit, radial
n_G	3.950 1/min	Limiting speed
$\approx m$	4,571 kg	Weight

Mounting dimensions

$d_{a \min}$	92 mm	Minimum diameter shaft shoulder
$D_{a \max}$	158 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius

Dimensions

r_{\min}	2,1 mm	Minimum chamfer dimension
D_1	147,5 mm	Bore diameter outer ring



Temperature range

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

Characteristics

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