**FAG****20220-K-MB-C3** [↗](#)

Barrel roller bearing

Barrel roller bearing 202..-K-MB

Technical information

**Your current product variant**

Bore type	K	Tapered, taper 1:12
Cage	MB	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	34 mm	Width
C_r	225.000 N	Basic dynamic load rating, radial
C_{0r}	290.000 N	Basic static load rating, radial
C_{ur}	28.500 N	Fatigue load limit, radial
n_G	4.000 1/min	Limiting speed
$\approx m$	3,81 kg	Weight

Mounting dimensions

$d_{a \min}$	112 mm	Minimum diameter shaft shoulder
$D_{a \max}$	168 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
$d_{a \max}$	120 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	106 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	7 mm	Minimum cavity width of the sleeve



Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	160,8 mm	Bore diameter outer ring









Temperature range

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

Additional information

H220	Adapter sleeve
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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