

**FAG****20310-TVP**

Barrel roller bearing

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

Technical information

**Your current product variant**

Bore type	Z	Cylindrical
Cage	TVP	Plastic cage
Radial internal clearance	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	27 mm	Width
C_r	108.000 N	Basic dynamic load rating, radial
C_{0r}	118.000 N	Basic static load rating, radial
C_{ur}	10.600 N	Fatigue load limit, radial
n_G	5.800 1/min	Limiting speed
$\approx m$	1,138 kg	Weight

Mounting dimensions

$d_{a \min}$	61 mm	Minimum diameter shaft shoulder
$D_{a \max}$	99 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	94,4 mm	Bore diameter outer ring



Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.

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