

**FAG****20309-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	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
$C_r$	87.000 N	Basic dynamic load rating, radial
$C_{0r}$	94.000 N	Basic static load rating, radial
$C_{ur}$	8.600 N	Fatigue load limit, radial
$n_G$	6.500 1/min	Limiting speed
$\approx m$	0,881 kg	Weight

**Mounting dimensions**

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius

**Dimensions**

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	85,2 mm	Bore diameter outer ring



### Temperature range

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