

**FAG****20313-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 | 65 mm | Bore diameter |
| D | 140 mm | Outside diameter |
| B | 33 mm | Width |
| C_r | 168.000 N | Basic dynamic load rating, radial |
| C_{0r} | 195.000 N | Basic static load rating, radial |
| C_{ur} | 18.200 N | Fatigue load limit, radial |
| n_G | 4.700 1/min | Limiting speed |
| $\approx m$ | 2,61 kg | Weight |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 77 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 128 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 | 120,6 mm | Bore diameter outer ring |



Temperature range

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