

**FAG****N234-E-XL-M1-C3** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing N2..-M1, with cage, single row, non-locating bearing, 0 ribs on outer ring, 2 rib on inner ring, type N2

Technical information

**Your current product variant**

| | | |
|---------------------------|--------------|------------------------------------|
| Cage | M1 | Two Piece Brass Cage Roller Guided |
| Tolerance class | PN | Normal (ISO 492:2023) |
| Change mark | E | Increased Capacity Design |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Number of rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|-----------------------|-------------|---------------------------------------|
| d | 170 mm | Bore diameter |
| D | 310 mm | Outside diameter |
| B | 52 mm | Width |
| C _r | 700.000 N | Basic dynamic load rating, radial |
| C _{0r} | 780.000 N | Basic static load rating, radial |
| C _{ur} | 118.000 N | Fatigue load limit, radial |
| n _{G Grease} | 3.300 1/min | Limiting speed for grease lubrication |
| n _{G Oil} | 3.850 1/min | Limiting speed for oil lubrication |
| m | 18,154 kg | Weight |

Mounting dimensions

| | | |
|---------------------|--------|------------------------------|
| d _a | 187 mm | Diameter shaft shoulder |
| D _a | 293 mm | Diameter of housing shoulder |
| r _{a1 max} | 3 mm | Maximum recess radius |



Dimensions

| | | |
|---------------------|--------|-----------------------------|
| $r_{1 \text{ min}}$ | 4 mm | Minimum chamfer dimension |
| s_1 | 4,3 mm | Axial displacement |
| E | 279 mm | Raceway diameter outer ring |

Temperature range

| | | |
|------------------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 150 °C | Operating temperature max. |

Characteristics

-  F_r Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed