

**FAG****N306-E-XL-M1** [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing N3..-E-M1, with cage, single row, non-locating bearing, 0 ribs on outer ring, 2 rib on inner ring, type N3

Technical information

**Your current product variant**

| | | |
|---------------------------|--------------|------------------------------------|
| Cage | M1 | Two Piece Brass Cage Roller Guided |
| Tolerance class | PN | Normal (PN) |
| Change mark | E | Increased Capacity Design |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Number of rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|--------------------------|--------------|---------------------------------------|
| d | 30 mm | Bore diameter |
| D | 72 mm | Outside diameter |
| B | 19 mm | Width |
| C _r | 61.000 N | Basic dynamic load rating, radial |
| C _{0r} | 48.000 N | Basic static load rating, radial |
| C _{ur} | 7.700 N | Fatigue load limit, radial |
| n _G Grease | 16.100 1/min | Limiting speed for grease lubrication |
| ≈m | 411,42 g | Weight |

Mounting dimensions

| | | |
|---------------------|-------|------------------------------|
| d _a | 37 mm | Diameter shaft shoulder |
| D _a | 65 mm | Diameter of housing shoulder |
| r _{a1 max} | 1 mm | Maximum recess radius |







Dimensions

| | | |
|---------------------|---------|-----------------------------|
| $r_{1 \text{ min}}$ | 1,1 mm | Minimum chamfer dimension |
| E | 62,5 mm | Raceway diameter outer ring |

Temperature range

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

Characteristics

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