

**FAG****N205-E-XL-M1** [↗](#)

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 | CN (Group N) | Normal internal clearance |
| Number of rows | 1 | Single-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|--------------|---------------------------------------|
| d | 25 mm | Bore diameter |
| D | 52 mm | Outside diameter |
| B | 15 mm | Width |
| C_r | 34.500 N | Basic dynamic load rating, radial |
| C_{0r} | 27.500 N | Basic static load rating, radial |
| C_{ur} | 4.400 N | Fatigue load limit, radial |
| n_G Grease | 22.400 1/min | Limiting speed for grease lubrication |
| m | 0,149 kg | Weight |

Mounting dimensions

| | | |
|---------------|--------|------------------------------|
| d_a | 29 mm | Diameter shaft shoulder |
| D_a | 46 mm | Diameter of housing shoulder |
| $r_{a1 \max}$ | 0,6 mm | Maximum recess radius |







Dimensions

| | | |
|-------------------|---------|-----------------------------|
| $r_1 \text{ min}$ | 1 mm | Minimum chamfer dimension |
| E | 46,5 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