

**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 (PN)
Change mark	E	Increased Capacity Design
Radial internal clearance	CN (Group N)	Normal internal clearance
Number of rolling element 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
$\approx m$	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

$T_{\text{min}}$	-30 °C	Operating temperature min.
$T_{\text{max}}$	150 °C	Operating temperature max.

### Characteristics

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