

**FAG****NU256-E-M1A-C3** [↗](#)

## Cylindrical roller bearing

Cylindrical roller bearing NU..-E-M1A, with cage, single row, non-locating bearing, 2 ribs on outer ring, 0 ribs on inner ring (smooth), type NU, Running accuracy in P6

## Technical information

**Your current product variant**

Design	E	Increased Capacity Design
Cage	M1A	Two Piece Brass Cage Lip guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (PN)
Number of rolling element rows	1	Single-row design

**Main Dimensions & Performance Data**

d	280 mm	Bore diameter
D	500 mm	Outside diameter
B	80 mm	Width
C <sub>r</sub>	1.400.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	2.020.000 N	Basic static load rating, radial
C <sub>ur</sub>	151.000 N	Fatigue load limit, radial
n <sub>G</sub>	2.020 1/min	Limiting speed
n <sub>gr</sub>	1.020 1/min	Reference speed
≈m	70,7 kg	Weight



### Mounting dimensions

$d_{a \min}$	300 mm	Minimum diameter shaft shoulder
$d_{a \max}$	334 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	340 mm	Minimum shaft shoulder
$D_{a \max}$	480 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius
$r_{a1 \max}$	4 mm	Maximum recess radius

### Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
$r_{1 \min}$	5 mm	Minimum chamfer dimension
s	6,3 mm	Axial displacement
E	449 mm	Raceway diameter outer ring
F	337 mm	Raceway diameter inner ring
$D_{1 \min}$	426,6 mm	Minimum rib 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