

**FAG****NU248-E-TB-M1**

Cylindrical roller bearing

Cylindrical roller bearing NU20..-E-XL-M1,  
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	TB	Bearings with increased axial load capacity
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	CN (Group N)	Normal internal clearance
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	240 mm	Bore diameter
D	440 mm	Outside diameter
B	72 mm	Width
C <sub>r</sub>	1,140,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	1,610,000 N	Basic static load rating, radial
C <sub>ur</sub>	124,000 N	Fatigue load limit, radial
n <sub>G</sub>	2,320 1/min	Limiting speed
n <sub>gr</sub>	1,220 1/min	Reference speed
≈m	51.15 kg	Weight



### Mounting dimensions

$d_{a \min}$	257 mm	Minimum diameter shaft shoulder
$d_{a \max}$	290 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	296 mm	Minimum shaft shoulder
$D_{a \max}$	423 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius
$r_{a1 \max}$	3 mm	Maximum recess radius

### Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
$r_{1 \min}$	4 mm	Minimum chamfer dimension
s	6 mm	Axial displacement
E	393 mm	Raceway diameter outer ring
F	293 mm	Raceway diameter inner ring
$D_{1 \min}$	373 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
	Large bearing