



FAG

**NUP230-E-XL-M1-C3**

Cylindrical roller bearing

Cylindrical roller bearing NUP..-E-XL-M1, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

X-life

## Technical information



## Your current product variant

Design	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	150 mm	Bore diameter
D	270 mm	Outside diameter
B	45 mm	Width
C <sub>r</sub>	520,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	590,000 N	Basic static load rating, radial
C <sub>ur</sub>	90,000 N	Fatigue load limit, radial
n <sub>G</sub>	4,550 1/min	Limiting speed
n <sub>gr</sub>	2,350 1/min	Reference speed
m	14.6 kg	Weight



### Mounting dimensions

$d_1$	193.1 mm	Maximum rib diameter inner ring
$D_{1 \text{ min}}$	233.2 mm	Minimum rib diameter outer ring
$d_{a \text{ min}}$	164 mm	Minimum diameter shaft shoulder
$d_{c \text{ min}}$	196 mm	Minimum shaft shoulder
$D_{a \text{ max}}$	256 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	2.5 mm	Maximum recess radius

### Dimensions

$r_{\text{min}}$	3 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	3 mm	Minimum chamfer dimension
E	242 mm	Raceway diameter outer ring
F	182 mm	Raceway diameter inner ring
$B_3$	7.5 mm	Width of loose rib

### Temperature range

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

### Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed