

**FAG****NU236-E-XL-M1A-C4** [🔗](#)

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-XL-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

X-life

Technical information

Your current product variant

Design	E	Increased Capacity Design
Cage	M1A	Two Piece Brass Cage Lip guided
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	320 mm	Outside diameter
B	52 mm	Width
C _r	730.000 N	Basic dynamic load rating, radial
C _{0r}	830.000 N	Basic static load rating, radial
C _{ur}	98.000 N	Fatigue load limit, radial
n _G	3.750 1/min	Limiting speed
n _{gr}	1.850 1/min	Reference speed
m	18,82 kg	Weight



Mounting dimensions

$d_{a \min}$	197 mm	Minimum diameter shaft shoulder
$d_{a \max}$	214 mm	Maximum diameter of shaft shoulder
$d_b \min$	221 mm	Minimum shaft shoulder
$D_{a \max}$	303 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	4,7 mm	Axial displacement
E	289 mm	Raceway diameter outer ring
F	217 mm	Raceway diameter inner ring
$D_1 \min$	278,6 mm	Minimum rib diameter outer ring

Temperature range

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