



FAG

NU309-E-XL-M1A-C3 [🔗](#)

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

Informacje techniczne

Twoja aktualna wersja produktu

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 (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C _r	116.000 N	Basic dynamic load rating, radial
C _{0r}	99.000 N	Basic static load rating, radial
C _{ur}	13.500 N	Fatigue load limit, radial
n _G	12.800 1/min	Limiting speed
n _{gr}	6.400 1/min	Reference speed
≈m	1,01 kg	Masa



Mounting dimensions

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$d_{a \max}$	57 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	60 mm	Minimum shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius
$r_{a1 \max}$	1,5 mm	Maximum recess radius

Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$r_1 \min$	1,5 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
E	88,5 mm	Raceway diameter outer ring
F	58,5 mm	Raceway diameter inner ring
$D_1 \min$	84,12 mm	Minimum rib diameter outer ring

Temperature range

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