



FAG

NUP318-E-XL-M1-F1-C4

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	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	90 mm	Bore diameter
D	190 mm	Outside diameter
B	43 mm	Width
C _r	370.000 N	Basic dynamic load rating, radial
C _{0r}	350.000 N	Basic static load rating, radial
C _{ur}	60.000 N	Fatigue load limit, radial
n _G	6.300 1/min	Limiting speed
n _{gr}	3.650 1/min	Reference speed
m	6,215 kg	Weight



Mounting dimensions

d_1	124 mm	Maximum rib diameter inner ring
$D_{1 \text{ min}}$	161,62 mm	Minimum rib diameter outer ring
$d_{a \text{ min}}$	104 mm	Minimum diameter shaft shoulder
$d_{c \text{ min}}$	127 mm	Minimum shaft shoulder
$D_{a \text{ max}}$	176 mm	Maximum diameter of housing shoulder
$r_{a \text{ max}}$	2,5 mm	Maximum recess radius







Dimensions

r_{min}	3 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	3 mm	Minimum chamfer dimension
E	169,5 mm	Raceway diameter outer ring
F	113,5 mm	Raceway diameter inner ring
B_3	6,5 mm	Width of loose rib

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{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