



FAG

NJ1018-XL-M1 [🔗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ..-XL-M1, with cage, single row, semi-locating bearing, 2 ribs on outer ring, 1 rib on inner ring, type NJ

X-life

Informacje techniczne

Twoja aktualna wersja produktu

Design	Standard	
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 & Performance Data

d	90 mm	Bore diameter
D	140 mm	Outside diameter
B	24 mm	Width
C _r	111.000 N	Basic dynamic load rating, radial
C _{0r}	124.000 N	Basic static load rating, radial
C _{ur}	19.900 N	Fatigue load limit, radial
n _G	9.600 1/min	Limiting speed
n _{gr}	4.550 1/min	Reference speed
≈m	1,36 kg	Masa



Mounting dimensions

$d_{a \min}$	96 mm	Minimum diameter shaft shoulder
$d_{a \max}$	101 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	133 mm	Maximum diameter of housing shoulder
$d_{c \min}$	109 mm	Minimum shaft shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius

Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
s	3 mm	Axial displacement
E	127 mm	Raceway diameter outer ring
F	103 mm	Raceway diameter inner ring
$D_{1 \min}$	122,85 mm	Minimum rib diameter outer ring
d_1	107,6 mm	Maximum rib diameter inner ring

Temperature range

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

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia