

**FAG****NJ1038-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**

## Technical information

**Your current product variant**

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	190 mm	Bore diameter
D	290 mm	Outside diameter
B	46 mm	Width
C <sub>r</sub>	435.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	550.000 N	Basic static load rating, radial
C <sub>ur</sub>	82.000 N	Fatigue load limit, radial
n <sub>G</sub>	4.350 1/min	Limiting speed
n <sub>gr</sub>	2.410 1/min	Reference speed
m	11,02 kg	Weight



### Mounting dimensions

$d_{a \min}$	200 mm	Minimum diameter shaft shoulder
$d_{a \max}$	213 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	280 mm	Maximum diameter of housing shoulder
$d_{c \min}$	227 mm	Minimum shaft shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius

### Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$r_{1 \min}$	2,1 mm	Minimum chamfer dimension
s	5 mm	Axial displacement
E	265 mm	Raceway diameter outer ring
F	215 mm	Raceway diameter inner ring
$D_{1 \min}$	255,9 mm	Minimum rib diameter outer ring
$d_1$	224,8 mm	Maximum rib diameter inner ring

### Temperature range

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

### Characteristics

-   $F_r$  Radial load
-   $F_a$  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed