

**FAG****NJ1036-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	180 mm	Bore diameter
D	280 mm	Outside diameter
B	46 mm	Width
C <sub>r</sub>	425.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	520.000 N	Basic static load rating, radial
C <sub>ur</sub>	79.000 N	Fatigue load limit, radial
n <sub>G</sub>	4.500 1/min	Limiting speed
n <sub>gr</sub>	2.550 1/min	Reference speed
m	10,56 kg	Weight



### Mounting dimensions

$d_{a \min}$	190 mm	Minimum diameter shaft shoulder
$d_{a \max}$	203 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	270 mm	Maximum diameter of housing shoulder
$d_{c \min}$	217 mm	Minimum shaft shoulder
$r_{a \max}$	2 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	255 mm	Raceway diameter outer ring
F	205 mm	Raceway diameter inner ring
$D_{1 \min}$	245,9 mm	Minimum rib diameter outer ring
$d_1$	214,8 mm	Maximum rib diameter inner ring

### Temperature range

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

### Characteristics

	Radial load
	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed