



FAG

**NJ2310-E-XL-M1-C3**

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-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	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (PN)
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
$C_r$	193.000 N	Basic dynamic load rating, radial
$C_{0r}$	187.000 N	Basic static load rating, radial
$C_{ur}$	35.500 N	Fatigue load limit, radial
$n_G$	11.600 1/min	Limiting speed
$n_{gr}$	4.900 1/min	Reference speed
$m$	1,93 kg	Weight



### Mounting dimensions

$d_{a \text{ min}}$	61 mm	Minimum diameter shaft shoulder
$d_{a \text{ max}}$	63 mm	Maximum diameter of shaft shoulder
$D_{a \text{ max}}$	99 mm	Maximum diameter of housing shoulder
$d_{c \text{ min}}$	73 mm	Minimum shaft shoulder
$r_{a \text{ max}}$	2 mm	Maximum recess radius

### Dimensions

$r_{\text{min}}$	2 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	2 mm	Minimum chamfer dimension
$s$	3,2 mm	Axial displacement
$E$	97 mm	Raceway diameter outer ring
$F$	65 mm	Raceway diameter inner ring
$D_{1 \text{ min}}$	92,48 mm	Minimum rib diameter outer ring
$d_1$	71,25 mm	Maximum rib diameter inner ring

### Temperature range

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

### Additional information

HJ2310-E

L-washer

### Characteristics

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