

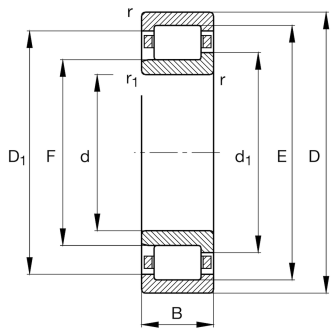
**FAG****NJ2317-E-XL-M1A-QP51-C4** [🔗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ...-E-XL-M1A, 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	M1A	Two Piece Brass Cage Lip 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	85 mm	Bore diameter
D	180 mm	Outside diameter
B	60 mm	Width
C _r	460.000 N	Basic dynamic load rating, radial
C _{0r}	480.000 N	Basic static load rating, radial
C _{ur}	88.000 N	Fatigue load limit, radial
n _G	6.800 1/min	Limiting speed
n _{gr}	3.200 1/min	Reference speed
m	7,8 kg	Weight



Mounting dimensions

$d_{a\ min}$	99 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	106 mm	Maximum diameter of shaft shoulder
$D_{a\ max}$	166 mm	Maximum diameter of housing shoulder
$d_{c\ min}$	119 mm	Minimum shaft shoulder
$r_{a\ max}$	2,5 mm	Maximum recess radius

Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$r_{1\ min}$	3 mm	Minimum chamfer dimension
s	4,7 mm	Axial displacement
E	160 mm	Raceway diameter outer ring
F	108 mm	Raceway diameter inner ring
$D_{1\ min}$	152,72 mm	Minimum rib diameter outer ring
d_1	117,75 mm	Maximum rib diameter inner ring

Temperature range

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

Additional information

HJ2317-E	L-washer
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Characteristics

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