



FAG

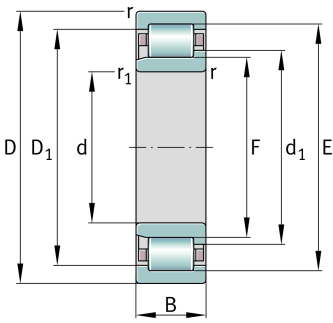
NJ217-E-XL-MPAX-C4 [↗](#)

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-MPAX, 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	MPAX	One 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	150 mm	Outside diameter
B	28 mm	Width
C _r	203.000 N	Basic dynamic load rating, radial
C _{0r}	206.000 N	Basic static load rating, radial
C _{ur}	36.000 N	Fatigue load limit, radial
n _G	8.300 1/min	Limiting speed
n _{gr}	3.950 1/min	Reference speed
m	2,17 kg	Weight



Mounting dimensions

$d_{a \min}$	96 mm	Minimum diameter shaft shoulder
$d_{a \max}$	99 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	139 mm	Maximum diameter of housing shoulder
$d_{c \min}$	110 mm	Minimum shaft shoulder
$r_{a \max}$	2 mm	Maximum recess radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
$r_{1 \min}$	2 mm	Minimum chamfer dimension
s	0,8 mm	Axial displacement
E	136,5 mm	Raceway diameter outer ring
F	100,5 mm	Raceway diameter inner ring
$D_{1 \min}$	131,52 mm	Minimum rib diameter outer ring
d_1	107,45 mm	Maximum rib diameter inner ring

Temperature range






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

Additional information

HJ217-E

L-washer

Characteristics

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