



FAG

NJ2309-E-XL-TVP2-QP51-C4

Cylindrical roller bearing

Cylindrical roller bearing NJ..-E-XL-TVP2, 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	TVP2	Solid Window Cage made from PA66
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	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
C _r	163.000 N	Basic dynamic load rating, radial
C _{0r}	154.000 N	Basic static load rating, radial
C _{ur}	28.500 N	Fatigue load limit, radial
n _G	9.800 1/min	Limiting speed
n _{gr}	5.200 1/min	Reference speed
m	1,31 kg	Weight



Mounting dimensions

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$d_{a \max}$	57 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$d_{c \min}$	66 mm	Minimum shaft shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
$r_{1 \min}$	1,5 mm	Minimum chamfer dimension
s	2,5 mm	Axial displacement
E	88,5 mm	Raceway diameter outer ring
F	58,5 mm	Raceway diameter inner ring
$D_{1 \min}$	84,1 mm	Minimum rib diameter outer ring
d_1	64,4 mm	Maximum rib diameter inner ring

Temperature range

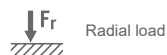
T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Additional information

HJ2309-E

L-washer

Characteristics



Radial load



Axial load in one direction



Grease Lubrication



Oil Lubrication



Not sealed