

**FAG****NJ208-E-XL-TVP2-C3**

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

Technical information

**Your current product variant**

Design	E	Increased Capacity Design
Cage	TVP2	Solid Window Cage made from PA66
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
C_r	63.000 N	Basic dynamic load rating, radial
C_{0r}	53.000 N	Basic static load rating, radial
C_{ur}	8.500 N	Fatigue load limit, radial
n_G	12.500 1/min	Limiting speed
n_{gr}	7.500 1/min	Reference speed
m	0,378 kg	Weight



Mounting dimensions

$d_{a \min}$	47 mm	Minimum diameter shaft shoulder
$d_{a \max}$	49 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	73 mm	Maximum diameter of housing shoulder
$d_{c \min}$	56 mm	Minimum shaft shoulder
$r_{a \max}$	1 mm	Maximum recess radius

Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
$r_1 \min$	1,1 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
E	71,5 mm	Raceway diameter outer ring
F	49,5 mm	Raceway diameter inner ring
$D_1 \min$	68,3 mm	Minimum rib diameter outer ring
d_1	54 mm	Maximum rib diameter inner ring

Temperature range

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

Additional information

HJ208-E

L-washer

Characteristics

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