



FAG

NJ2218-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

X-life

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	90 mm	Bore diameter
D	160 mm	Outside diameter
B	40 mm	Width
C_r	285,000 N	Basic dynamic load rating, radial
C_{0r}	315,000 N	Basic static load rating, radial
C_{ur}	56,000 N	Fatigue load limit, radial
n_G	6,000 1/min	Limiting speed
n_{gr}	3,250 1/min	Reference speed
$\approx m$	3.156 kg	Weight



Mounting dimensions

$d_{a \text{ min}}$	101 mm	Minimum diameter shaft shoulder
$d_{a \text{ max}}$	105 mm	Maximum diameter of shaft shoulder
$D_{a \text{ max}}$	149 mm	Maximum diameter of housing shoulder
$d_{c \text{ min}}$	116 mm	Minimum shaft shoulder
$r_{a \text{ max}}$	2 mm	Maximum recess radius

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
$r_{1 \text{ min}}$	2 mm	Minimum chamfer dimension
s	2.5 mm	Axial displacement
E	145 mm	Raceway diameter outer ring
F	107 mm	Raceway diameter inner ring
$D_{1 \text{ min}}$	139.7 mm	Minimum rib diameter outer ring
d_1	114.3 mm	Maximum rib diameter inner ring

Temperature range

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

Additional information

HJ2218-E

L-washer

Characteristics

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