



FAG

NJ307-E-XL-TVP2-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 (PN)
Number of rolling element rows	1	Single-row design

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C _r	76.000 N	Basic dynamic load rating, radial
C _{0r}	63.000 N	Basic static load rating, radial
C _{ur}	10.800 N	Fatigue load limit, radial
n _G	12.600 1/min	Limiting speed
n _{gr}	7.900 1/min	Reference speed
≈m	0,481 kg	Weight



Mounting dimensions

$d_{a \min}$	42 mm	Minimum diameter shaft shoulder
$d_{a \max}$	45 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	71 mm	Maximum diameter of housing shoulder
$d_{c \min}$	53 mm	Minimum shaft shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
$r_{1 \min}$	1,1 mm	Minimum chamfer dimension
s	0,6 mm	Axial displacement
E	70,2 mm	Raceway diameter outer ring
F	46,2 mm	Raceway diameter inner ring
$D_{1 \min}$	66,6 mm	Minimum rib diameter outer ring
d_1	51 mm	Maximum rib diameter inner ring

Temperature range

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

Additional information

HJ307-E

L-washer

Characteristics



Radial load



Axial load in one direction



Grease Lubrication



Oil Lubrication



Not sealed