

**FAG****NJ209-E-XL-TVP2-C5**

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
Tolerance class	PN	Normal (ISO 492:2023)
Number of rows	1	Single-row design

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	19 mm	Width
$C_r$	72,000 N	Basic dynamic load rating, radial
$C_{0r}$	63,000 N	Basic static load rating, radial
$C_{ur}$	10,500 N	Fatigue load limit, radial
$n_G$	10,200 1/min	Limiting speed
$n_{gr}$	7,000 1/min	Reference speed
$\approx m$	0.432 kg	Weight



### Mounting dimensions

$d_{a \min}$	52 mm	Minimum diameter shaft shoulder
$d_{a \max}$	54 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	78 mm	Maximum diameter of housing shoulder
$d_{c \min}$	61 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	1.9 mm	Axial displacement
E	76.5 mm	Raceway diameter outer ring
F	54.5 mm	Raceway diameter inner ring
$D_{1 \min}$	73.3 mm	Minimum rib diameter outer ring
$d_1$	59 mm	Maximum rib diameter inner ring

### Temperature range






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

### Additional information

HJ209-E

L-washer

### Characteristics

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