



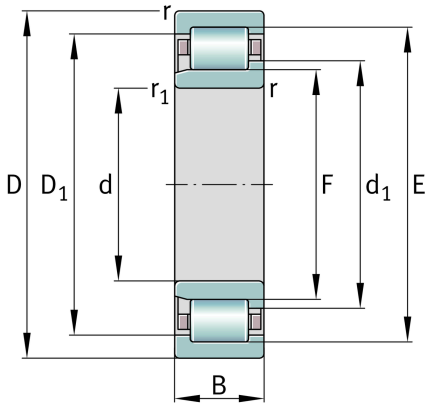
FAG

**NJ209-E-XL-TVP2**

Cylindrical roller bearing

Schaeffler ID:  
0167343940000Cylindrical 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

**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
	0.432 kg	Weight

**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

**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

**Additional information**

HJ209-E	L-washer
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**Temperature range**

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