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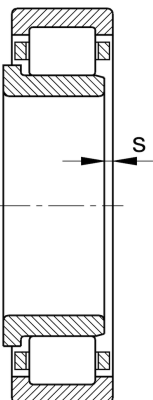
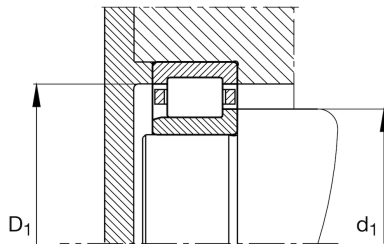
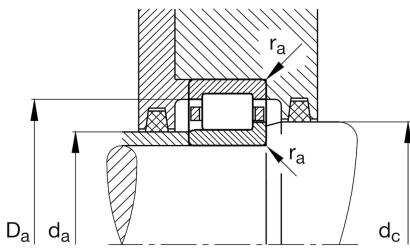
**NJ309-E-XL-TVP2**

Cylindrical roller bearing

Schaeffler ID:  
0167362650000Cylindrical 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

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
$C_r$	116,000 N	Basic dynamic load rating, radial
$C_{0r}$	99,000 N	Basic static load rating, radial
$C_{ur}$	17,500 N	Fatigue load limit, radial
$n_G$	8,500 1/min	Limiting speed
$n_{gr}$	6,400 1/min	Reference speed
	0.885 kg	Weight

**Dimensions**

$r_{min}$	1.5 mm	Minimum chamfer dimension
$r_{1 min}$	1.5 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
E	88.5 mm	Raceway diameter outer ring
F	58.5 mm	Raceway diameter inner ring
$D_{1 min}$	84.1 mm	Minimum rib diameter outer ring
$d_1$	64.4 mm	Maximum rib diameter inner ring

**Mounting dimensions**

$d_{a min}$	54 mm	Minimum diameter shaft shoulder
$d_{a max}$	57 mm	Maximum diameter of shaft shoulder
$D_{a max}$	91 mm	Maximum diameter of housing shoulder
$d_{c min}$	66 mm	Minimum shaft shoulder
$r_{a max}$	1.5 mm	Maximum recess radius

**Additional information**

HJ309-E

L-washer



### Temperature range

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