

**FAG****NJ304-E-XL-TVP2**

Cylindrical roller bearing

Schaeffler ID:  
0167360010000Cylindrical 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	20 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C <sub>r</sub>	37.500 N	Basic dynamic load rating, radial
C <sub>0r</sub>	27.000 N	Basic static load rating, radial
C <sub>ur</sub>	3.950 N	Fatigue load limit, radial
n <sub>G</sub>	17.200 1/min	Limiting speed
n <sub>gr</sub>	11.900 1/min	Reference speed
	0,15 kg	Weight

**Dimensions**

	HJ304-E	L-washer
r <sub>min</sub>	1,1 mm	Minimum chamfer dimension
r <sub>1 min</sub>	0,6 mm	Minimum chamfer dimension
s	1 mm	Axial displacement
E	45,5 mm	Raceway diameter outer ring
F	27,5 mm	Raceway diameter inner ring
D <sub>1 min</sub>	42,4 mm	Minimum rib diameter outer ring
d <sub>1</sub>	31,3 mm	Maximum rib diameter inner ring

**Mounting dimensions**

d <sub>a min</sub>	24 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	27 mm	Maximum diameter of shaft shoulder
D <sub>a max</sub>	45 mm	Maximum diameter of housing shoulder
d <sub>c min</sub>	33 mm	Minimum shaft shoulder
r <sub>a max</sub>	1 mm	Maximum recess radius

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.