



FAG

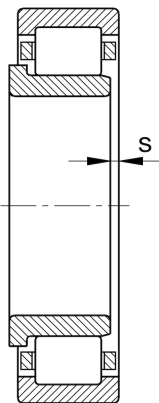
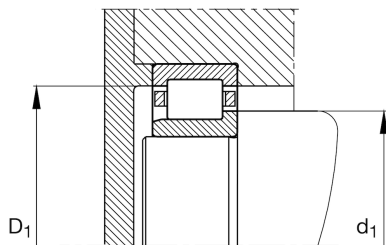
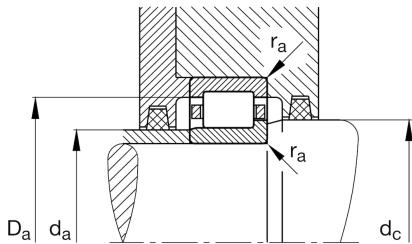
**NJ2307-E-XL-TVP2**

Cylindrical roller bearing

Schaeffler ID:  
0167353580000Cylindrical 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	35 mm	Bore diameter
D	80 mm	Outside diameter
B	31 mm	Width
C <sub>r</sub>	108.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	98.000 N	Basic static load rating, radial
C <sub>ur</sub>	17.700 N	Fatigue load limit, radial
n <sub>G</sub>	10.900 1/min	Limiting speed
n <sub>gr</sub>	6.600 1/min	Reference speed
	0,72 kg	Weight

**Dimensions**

	HJ2307-E	L-washer
r <sub>min</sub>	1,5 mm	Minimum chamfer dimension
r <sub>1 min</sub>	1,1 mm	Minimum chamfer dimension
s	2,1 mm	Axial displacement
E	70,2 mm	Raceway diameter outer ring
F	46,2 mm	Raceway diameter inner ring
D <sub>1 min</sub>	66,6 mm	Minimum rib diameter outer ring
d <sub>1</sub>	51 mm	Maximum rib diameter inner ring

**Mounting dimensions**

d <sub>a min</sub>	42 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	45 mm	Maximum diameter of shaft shoulder
D <sub>a max</sub>	71 mm	Maximum diameter of housing shoulder
d <sub>c min</sub>	53 mm	Minimum shaft shoulder
r <sub>a max</sub>	1,5 mm	Maximum recess radius

**Temperature range**

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

