

FAG

NJ307-E-XL-TVP2

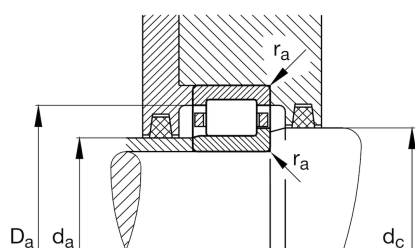
Cylindrical roller bearing

Schaeffler ID:
0167361250000Cylindrical 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

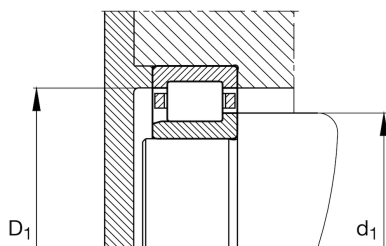
Technical information

Main Dimensions & Performance Data



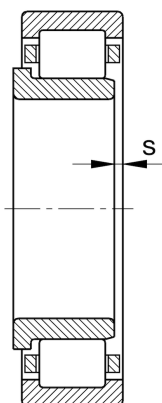
d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C_r	76,000 N	Basic dynamic load rating, radial
C_{0r}	63,000 N	Basic static load rating, radial
C_{ur}	10,800 N	Fatigue load limit, radial
n_G	12,600 1/min	Limiting speed
n_{gr}	7,900 1/min	Reference speed
	0.481 kg	Weight

Dimensions



r_{min}	1.5 mm	Minimum chamfer dimension
$r_{1 min}$	1.1 mm	Minimum chamfer dimension
s	0.6 mm	Axial displacement
E	70.2 mm	Raceway diameter outer ring
F	46.2 mm	Raceway diameter inner ring
$D_{1 min}$	66.6 mm	Minimum rib diameter outer ring
d_1	51 mm	Maximum rib diameter inner ring

Mounting dimensions



$d_{a min}$	42 mm	Minimum diameter shaft shoulder
$d_{a max}$	45 mm	Maximum diameter of shaft shoulder
$D_{a max}$	71 mm	Maximum diameter of housing shoulder
$d_{c min}$	53 mm	Minimum shaft shoulder
$r_{a max}$	1.5 mm	Maximum recess radius

Additional information

HJ307-E

L-washer

**Temperature range**

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