

FAG

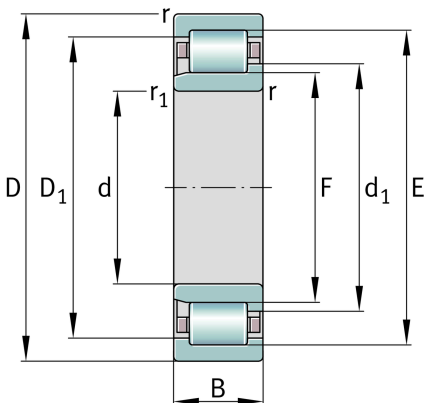
NJ205-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:
0167342970000

Cylindrical 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	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width
C _r	34,500 N	Basic dynamic load rating, radial
C _{0r}	27,500 N	Basic static load rating, radial
C _{ur}	4,450 N	Fatigue load limit, radial
n _G	19,800 1/min	Limiting speed
n _{gr}	11,600 1/min	Reference speed
	0.136 kg	Weight

Mounting dimensions

d _{a min}	29 mm	Minimum diameter shaft shoulder
d _{a max}	31 mm	Maximum diameter of shaft shoulder
D _{a max}	46 mm	Maximum diameter of housing shoulder
d _{c min}	37 mm	Minimum shaft shoulder
r _{a max}	1 mm	Maximum recess radius

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
r _{1 min}	0.6 mm	Minimum chamfer dimension
s	1.2 mm	Axial displacement
E	46.5 mm	Raceway diameter outer ring
F	31.5 mm	Raceway diameter inner ring
D _{1 min}	43.8 mm	Minimum rib diameter outer ring
d ₁	34.7 mm	Maximum rib diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.