

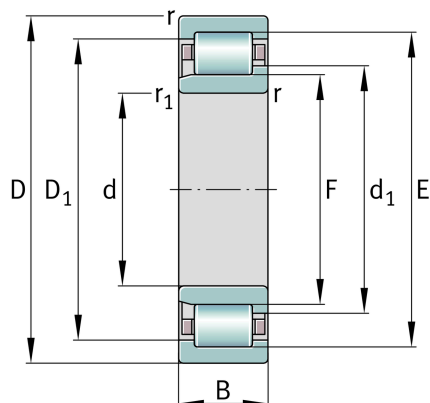
FAG

NJ205-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:
0167342970000Cylindrical 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

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

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

Temperature range

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