

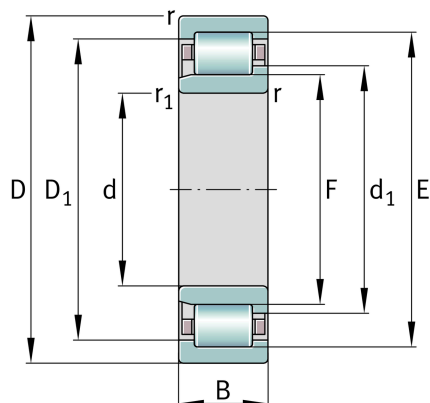
FAG

**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

**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
	0,136 kg	Weight

**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

**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.