

FAG

NUP309-E-XL-TVP2

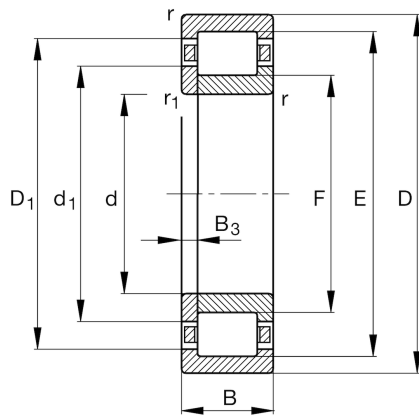
Cylindrical roller bearing

Schaeffler ID:
0167415010000

Cylindrical roller bearing NUP.-E-XL-TVP2, with cage, single row, locating bearing, 2 ribs on outer ring, 1 rib on inner ring, rib washer internal, type NUP

X-life

Technical information

**Main Dimensions & Performance Data**

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	25 mm	Width
C_r	116,000 N	Basic dynamic load rating, radial
C_{0r}	99,000 N	Basic static load rating, radial
C_{ur}	17,600 N	Fatigue load limit, radial
n_G	9,800 1/min	Limiting speed
n_{gr}	6,400 1/min	Reference speed
	0.93 kg	Weight

Dimensions

r_{min}	1.5 mm	Minimum chamfer dimension
r_{1min}	1.5 mm	Minimum chamfer dimension
E	88.5 mm	Raceway diameter outer ring
F	58.5 mm	Raceway diameter inner ring
B_3	4.5 mm	Width of loose rib

Mounting dimensions

d_1	64.4 mm	Maximum rib diameter inner ring
D_{1min}	84.1 mm	Minimum rib diameter outer ring
d_{amin}	54 mm	Minimum diameter shaft shoulder
d_{cmin}	66 mm	Minimum shaft shoulder
D_{amax}	91 mm	Maximum diameter of housing shoulder
r_{amax}	1.5 mm	Maximum recess radius

Temperature range

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

