



FAG

NUP303-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:
0192546520000

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	17 mm	Bore diameter
D	47 mm	Outside diameter
B	14 mm	Width
C_r	30,000 N	Basic dynamic load rating, radial
C_{0r}	21,200 N	Basic static load rating, radial
C_{ur}	3,400 N	Fatigue load limit, radial
n_G	22,500 1/min	Limiting speed
n_{gr}	13,500 1/min	Reference speed
	0.142 kg	Weight

Dimensions

r_{min}	1 mm	Minimum chamfer dimension
$r_{1 min}$	0.6 mm	Minimum chamfer dimension
E	40.2 mm	Raceway diameter outer ring
F	24.2 mm	Raceway diameter inner ring
B_3	2.5 mm	Width of loose rib

Mounting dimensions

d_1	27.6 mm	Maximum rib diameter inner ring
$D_{1 min}$	37.1 mm	Minimum rib diameter outer ring
$d_{a min}$	21.2 mm	Minimum diameter shaft shoulder
$d_{c min}$	28 mm	Minimum shaft shoulder
$D_{a max}$	42.8 mm	Maximum diameter of housing 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.

