



FAG

NU307-E-XL-TVP2

Cylindrical roller bearing

Schaeffler ID:
0167397870000Cylindrical roller bearing NU..-E-XL-TVP2,
with cage, single row, non-locating bearing,
2 ribs on outer ring, 0 ribs on inner ring
(smooth), type NU

X-life

Technical information



Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C_r	76,000 N	Basic dynamic load rating, radial
C_{0r}	63,000 N	Basic static load rating, radial
C_{ur}	8,300 N	Fatigue load limit, radial
n_G	12,600 1/min	Limiting speed
n_{gr}	7,900 1/min	Reference speed
	0.47 kg	Weight

Dimensions

r_{min}	1.5 mm	Minimum chamfer dimension
$r_{1 min}$	1.1 mm	Minimum chamfer dimension
s	0.6 mm	Axial displacement
E	70.2 mm	Raceway diameter outer ring
F	46.2 mm	Raceway diameter inner ring
$D_{1 min}$	66.6 mm	Minimum rib diameter outer ring

Mounting dimensions

$d_{a min}$	42 mm	Minimum diameter shaft shoulder
$d_{a max}$	45 mm	Maximum diameter of shaft shoulder
$d_{b min}$	48 mm	Minimum shaft shoulder
$D_{a max}$	71 mm	Maximum diameter of housing shoulder
$r_{a max}$	1.5 mm	Maximum recess radius
$r_{a1 max}$	1 mm	Maximum recess radius

Temperature range

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

