

FAG**NU1024-XL-M1**

Cylindrical roller bearing

Schaeffler ID:
0167372450000

Cylindrical roller bearing NU.-XL-M1, 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	120 mm	Bore diameter
D	180 mm	Outside diameter
B	28 mm	Width
C _r	175 000 N	Basic dynamic load rating, radial
C _{0r}	208 000 N	Basic static load rating, radial
C _{ur}	27 000 N	Fatigue load limit, radial
n _G	6 400 1/min	Limiting speed
n _{gr}	3 550 1/min	Reference speed
	2,45 kg	Weight

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
r _{1 min}	1,1 mm	Minimum chamfer dimension
s	3,2 mm	Axial displacement
E	165 mm	Raceway diameter outer ring
F	135 mm	Raceway diameter inner ring
D _{1 min}	159,7 mm	Minimum rib diameter outer ring

Mounting dimensions

d _{a min}	126 mm	Minimum diameter shaft shoulder
d _{a max}	134 mm	Maximum diameter of shaft shoulder
d _{b min}	138 mm	Minimum shaft shoulder
D _{a max}	171 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius
r _{a1 max}	1 mm	Maximum recess radius

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.