

FAG

## NU412-XL-M1

Cylindrical roller bearing

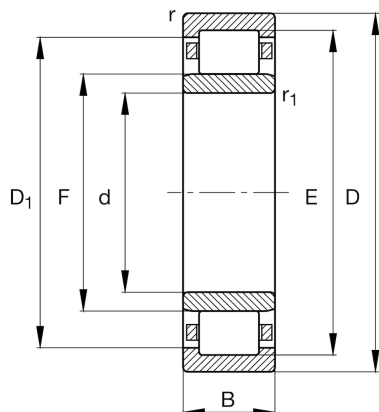
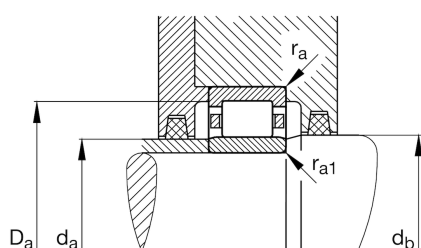
Schaeffler ID:  
0382648620000

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 &amp; Performance Data



d	60 mm	Bore diameter
D	150 mm	Outside diameter
B	35 mm	Width
C <sub>r</sub>	211,000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	184,000 N	Basic static load rating, radial
C <sub>ur</sub>	24,900 N	Fatigue load limit, radial
n <sub>G</sub>	8,600 1/min	Limiting speed
n <sub>gr</sub>	4,800 1/min	Reference speed
	3.39 kg	Weight

## Dimensions

r <sub>min</sub>	2.1 mm	Minimum chamfer dimension
r <sub>1 min</sub>	2.1 mm	Minimum chamfer dimension
s	3.4 mm	Axial displacement
E	127 mm	Raceway diameter outer ring
F	83 mm	Raceway diameter inner ring
D <sub>1 min</sub>	119.5 mm	Minimum rib diameter outer ring

## Mounting dimensions

d <sub>a min</sub>	74 mm	Minimum diameter shaft shoulder
d <sub>a max</sub>	82 mm	Maximum diameter of shaft shoulder
d <sub>b min</sub>	85 mm	Minimum shaft shoulder
D <sub>a max</sub>	136 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2 mm	Maximum recess radius
r <sub>a1 max</sub>	2 mm	Maximum recess radius

## Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	150 °C	Operating temperature max.

