

FAG

NU414-XL-M1

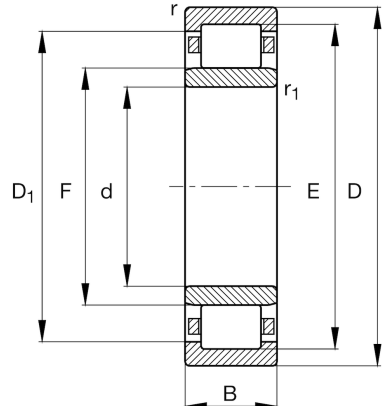
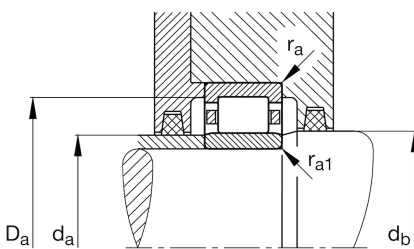
Cylindrical roller bearing

Schaeffler ID:
0192506730000

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, Running accuracy in P6

X-life

Technical information



Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	180 mm	Outside diameter
B	42 mm	Width
C _r	285,000 N	Basic dynamic load rating, radial
C _{0r}	255,000 N	Basic static load rating, radial
C _{ur}	33,500 N	Fatigue load limit, radial
n _G	7,100 1/min	Limiting speed
n _{gr}	4,250 1/min	Reference speed
	5.97 kg	Weight

Mounting dimensions

d _{a min}	86 mm	Minimum diameter shaft shoulder
d _{a max}	99 mm	Maximum diameter of shaft shoulder
d _{b min}	102 mm	Minimum shaft shoulder
D _{a max}	164 mm	Maximum diameter of housing shoulder
r _{a max}	2.5 mm	Maximum recess radius
r _{a1 max}	2.5 mm	Maximum recess radius

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
r _{1 min}	3 mm	Minimum chamfer dimension
s	4 mm	Axial displacement
E	152 mm	Raceway diameter outer ring
F	100 mm	Raceway diameter inner ring
D _{1 min}	142.7 mm	Minimum rib diameter outer ring

Temperature range

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

