



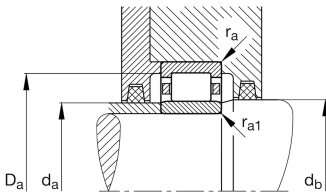
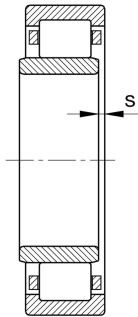
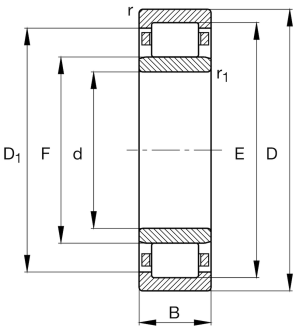
FAG

NU238-E-M1-C3

Cylindrical roller bearing

Cylindrical roller bearing NU..-E-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

Technical information



Your current product variant

Design	E	Increased Capacity Design
Cage	M1	Two Piece Brass Cage Roller Guided
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Tolerance class	PN	Normal (PN)
Number of rolling element rows	1	Single-row design

Main Dimensions & Performance Data

d	190 mm	Bore diameter
D	340 mm	Outside diameter
B	55 mm	Width
C _r	680,000 N	Basic dynamic load rating, radial
C _{0r}	930,000 N	Basic static load rating, radial
C _{ur}	83,000 N	Fatigue load limit, radial
n _G	3,050 1/min	Limiting speed
n _{gr}	1,720 1/min	Reference speed
≈m	21.62 kg	Weight



Mounting dimensions

d a min	207 mm	Minimum diameter shaft shoulder
d a max	227 mm	Maximum diameter of shaft shoulder
d b min	234 mm	Minimum shaft shoulder
D a max	323 mm	Maximum diameter of housing shoulder
r a max	3 mm	Maximum recess radius
r a1 max	3 mm	Maximum recess radius






Dimensions

r min	4 mm	Minimum chamfer dimension
r 1 min	4 mm	Minimum chamfer dimension
s	4.7 mm	Axial displacement
E	306 mm	Raceway diameter outer ring
F	230 mm	Raceway diameter inner ring
D 1 min	295 mm	Minimum rib diameter outer ring

Temperature range

T min	-30 °C	Operating temperature min.
T max	150 °C	Operating temperature max.

Characteristics

	Radial load
	Grease Lubrication
	Oil Lubrication
	Not sealed
	Large bearing