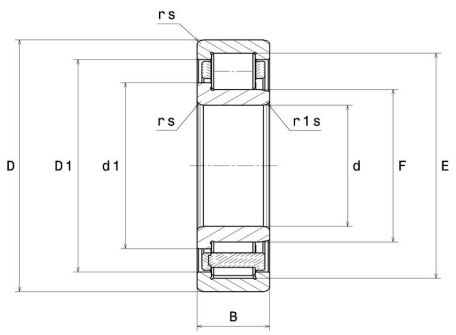
Technical datasheet

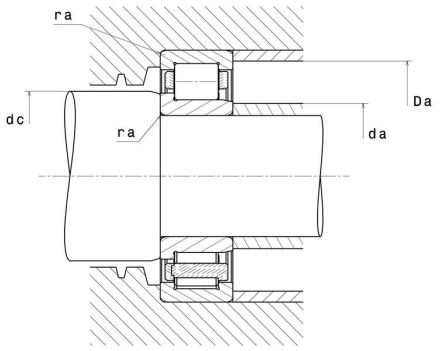
NJ238

Single row cylindrical roller bearings

Single row cylindrical roller bearing, single direction for axial loads, separable, brass cage.

Visual(s)





Product definition

d	190 mm
D	340 mm
B	55 mm
E	299 mm
F	231 mm
d1	244.5 mm
rs min	4 mm
r1s min	4 mm
Radial clearance class	CN
Mass (without HJ ring)	21.8 kg
Brand	NTN

Product performance

Dynamic load, C	555 kN
Static load, C0	770 kN
Fatigue limit load, Cu	70.1 kN
Nlim (oil)	2,200 rpm
Nlim (grease)	1,900 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.67 Hz
Characteristic outer ring frequency, BPF0	8.28 Hz
Characteristic inner ring frequency, BPFI	10.72 Hz

Abutment dimensions

da min	206 mm
da max	227 mm
dc min	247 mm
Da max	324 mm
ra max	3 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$