Technical datasheet

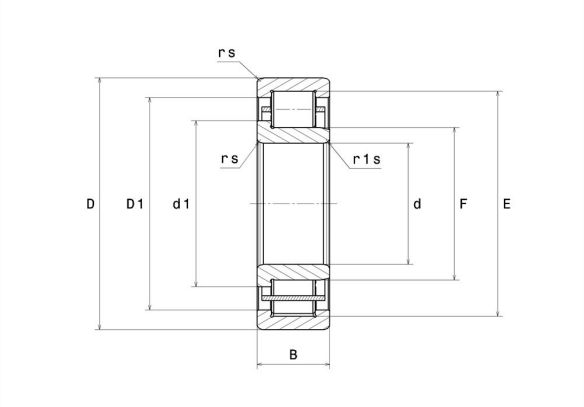
NJ221C3

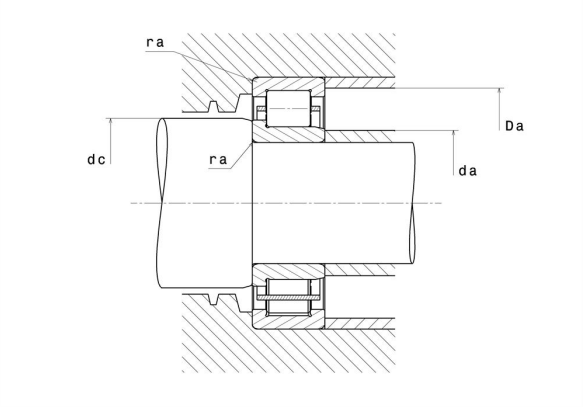
Single row cylindrical roller bearings



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

Visual(s)





Product definition

d	105 mm
D	190 mm
B	36 mm
E	168.8 mm
F	126.8 mm
d1	135 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	4.1 kg
Brand	NTN

Product performance

Dynamic load, C	201 kN
Static load, C0	241 kN
Fatigue limit load, Cu	26.2 kN
Nlim (oil)	4,300 rpm
Nlim (grease)	3,600 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.9 Hz
Characteristic outer ring frequency, BPF0	6.86 Hz
Characteristic inner ring frequency, BPFI	9.14 Hz

Abutment dimensions

da min	116 mm
da max	124 mm
dc min	137 mm
Da max	179 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$