Technical datasheet

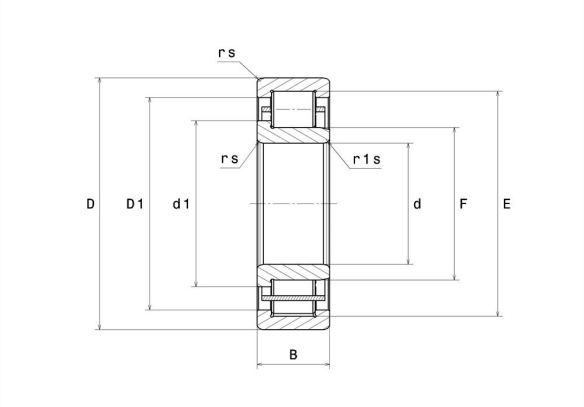
NJ320C3

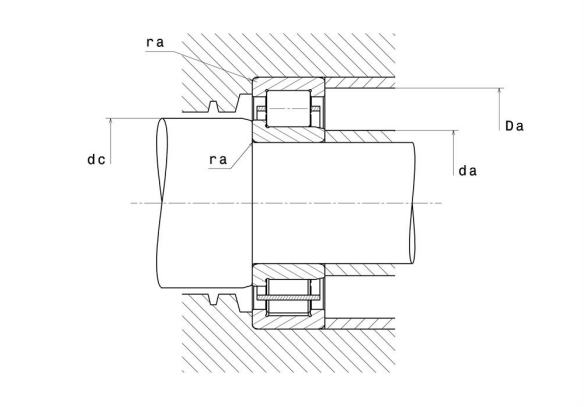
Single row cylindrical roller bearings



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

Visual(s)





Product definition

d	100 mm
D	215 mm
B	47 mm
E	185.5 mm
F	129.5 mm
d1	140.5 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C3
Mass (without HJ ring)	8.06 kg
Brand	NTN

Product performance

Dynamic load, C	299 kN
Static load, C0	335 kN
Fatigue limit load, Cu	35.6 kN
Nlim (oil)	3,800 rpm
Nlim (grease)	3,300 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.45 Hz
Characteristic outer ring frequency, BPF0	5.34 Hz
Characteristic inner ring frequency, BPFI	7.66 Hz

Abutment dimensions

da min	113 mm
da max	125 mm
dc min	143 mm
Da max	202 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$