Technical datasheet

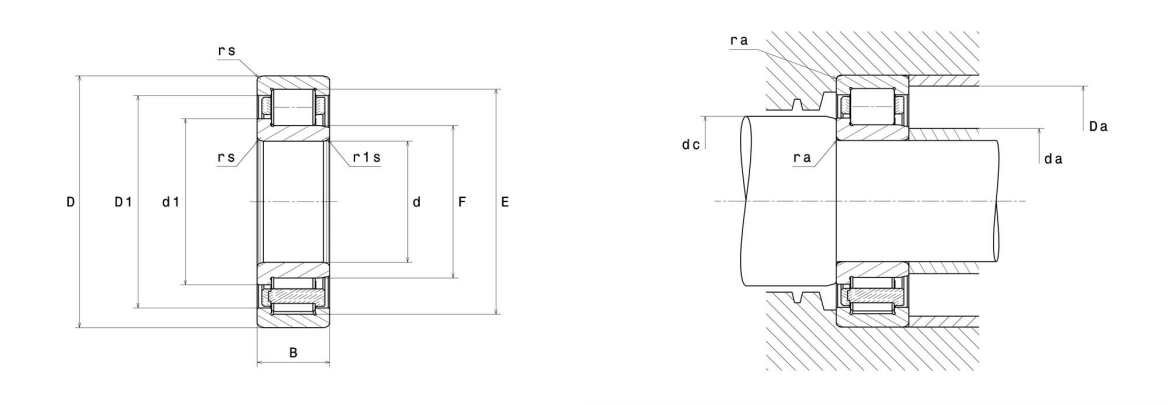
NJ224EG1C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	120 mm
D	215 mm
B	40 mm
E	195.5 mm
F	143.5 mm
d1	153.9 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	6.12 kg
Brand	NTN

Product performance

Dynamic load, C	335 kN
Static load, C0	420 kN
Fatigue limit load, Cu	43.9 kN
Nlim (oil)	3,400 rpm
Nlim (grease)	2,900 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.37 Hz
Characteristic outer ring frequency, BPF0	7.2 Hz
Characteristic inner ring frequency, BPFI	9.8 Hz

Abutment dimensions

da min	131 mm
da max	141 mm
dc min	156 mm
Da max	204 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$