Technical data

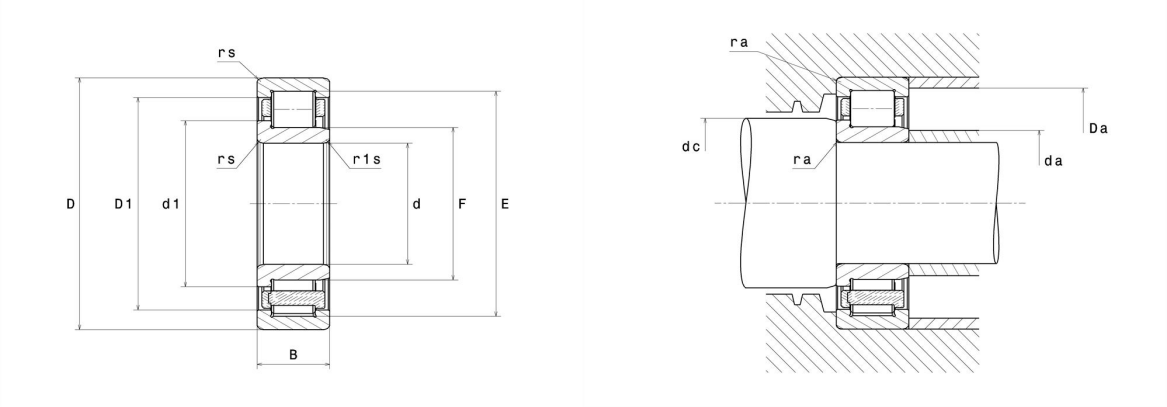
NJ2224EG1

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	58 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	CN
Mass (without HJ ring)	8.96 kg
Brand	NTN

Product performance

Dynamic load, C	450 kN
Static load, C0	620 kN
Fatigue limit load, Cu	64.8 kN
Nlim (oil)	3,000 Tr/min
Nlim (grease)	2,600 Tr/min
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

$P_0 = Fr$