Technical datasheet

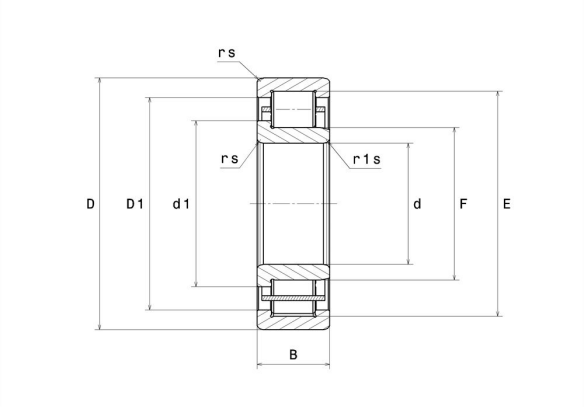
NJ2214C3

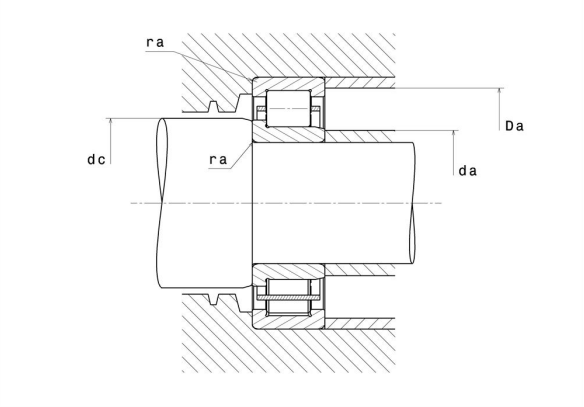
Single row cylindrical roller bearings



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

Visual(s)





Product definition

d	70 mm
D	125 mm
B	31 mm
E	110.5 mm
F	84.5 mm
d1	89.6 mm
rs min	1.5 mm
r1s min	1.5 mm
Radial clearance class	C3
Mass (without HJ ring)	1.53 kg
Brand	NTN

Product performance

Dynamic load, C	119 kN
Static load, C0	151 kN
Fatigue limit load, Cu	18.4 kN
Nlim (oil)	5,900 rpm
Nlim (grease)	5,000 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	7.37 Hz
Characteristic outer ring frequency, BPF0	6.93 Hz
Characteristic inner ring frequency, BPFI	9.07 Hz

Abutment dimensions

da min	78 mm
da max	82 mm
dc min	92 mm
Da max	117 mm
ra max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$