Technical datasheet

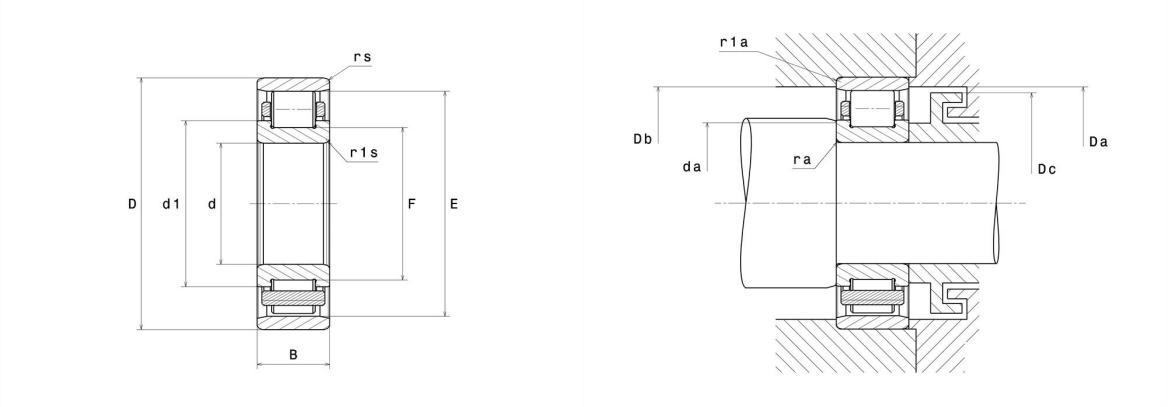
N214ET2X

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, polyamide cage

Visual(s)



Product definition

d	70 mm
D	125 mm
B	24 mm
E	113.5 mm
F	83.5 mm
d1	89.5 mm
rs min	1.5 mm
r1s min	1.5 mm
Radial clearance class	CN
Mass (without HJ ring)	1.1 kg
Brand	NTN

Product performance

Dynamic load, C	119 kN
Static load, C0	137 kN
Fatigue limit load, Cu	16.7 kN
Nlim (oil)	5,900 rpm
Nlim (grease)	5,000 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.41 Hz
Characteristic outer ring frequency, BPF0	7.21 Hz
Characteristic inner ring frequency, BPFI	9.79 Hz

Abutment dimensions

da min	78 mm
Da max	117 mm
Db min	115 mm
Dc max	111 mm
ra max	1.5 mm
r1a max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$