Technical data

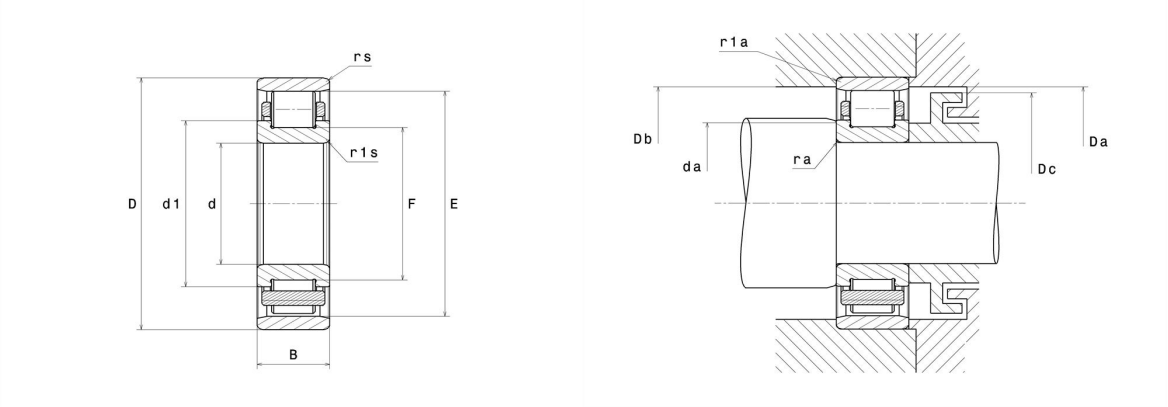
N307ET2X

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	35 mm
D	80 mm
B	21 mm
E	70.2 mm
F	46.2 mm
d1	51 mm
rs min	1.5 mm
r1s min	1.1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.5 kg
Brand	NTN

Product performance

Dynamic load, C	71 kN
Static load, C0	71 kN
Fatigue limit load, Cu	8.7 kN
Nlim (oil)	9,600 Tr/min
Nlim (grease)	8,100 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.64 Hz
Characteristic outer ring frequency, BPF0	5.16 Hz
Characteristic inner ring frequency, BPFI	7.84 Hz

Abutment dimensions

da min	43 mm
Da max	73.5 mm
Db min	71.4 mm
Dc max	68.4 mm
ra max	1.5 mm
r1a max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$