Technical data

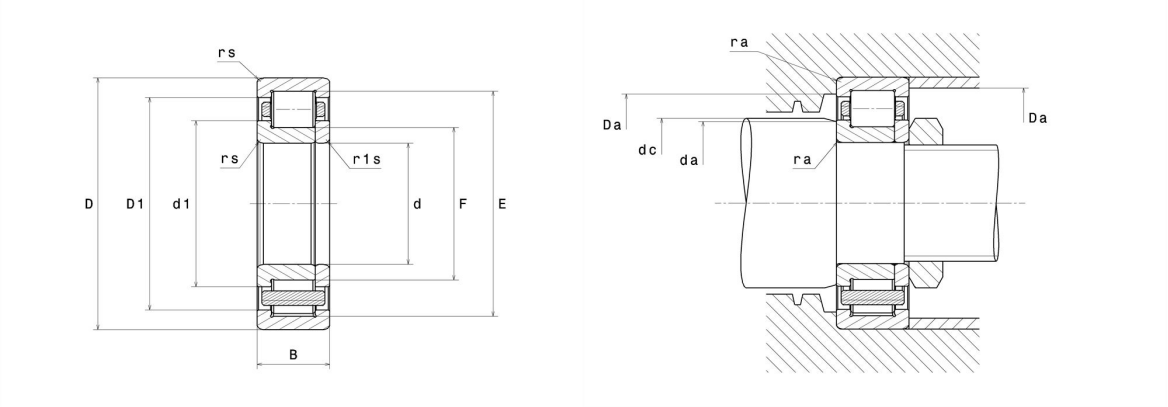
NUP205ET2XC3U

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	25 mm
D	52 mm
B	15 mm
E	46.5 mm
F	31.5 mm
d1	34.5 mm
rs min	1 mm
r1s min	0.6 mm
Radial clearance class	C3
Mass (without HJ ring)	0.14 kg
Brand	NTN

Product performance

Dynamic load, C	29.3 kN
Static load, C0	27.7 kN
Fatigue limit load, Cu	3.4 kN
Nlim (oil)	15,000 Tr/min
Nlim (grease)	13,000 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	5.01 Hz
Characteristic outer ring frequency, BPF0	5.25 Hz
Characteristic inner ring frequency, BPFI	7.75 Hz

Abutment dimensions

da min	30 mm
dc min	37 mm
Da max	47 mm
ra max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$