

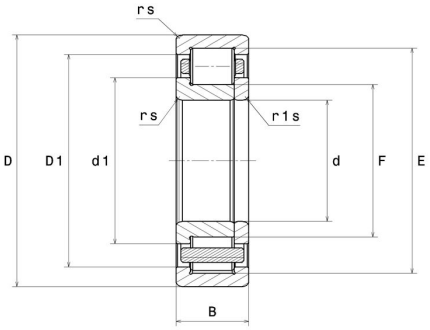
Technical data

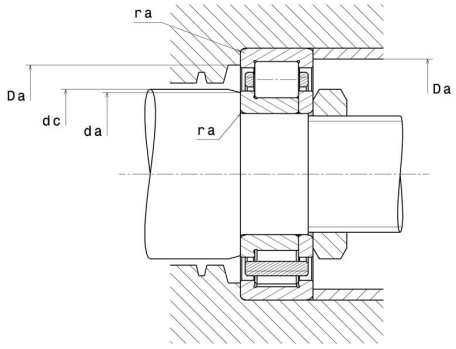
NUP209ET2XC3U

Single row cylindrical roller bearings

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

Visual(s)





Product definition

d	45 mm
D	85 mm
B	19 mm
E	76.5 mm
F	54.5 mm
d1	58.9 mm
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	C3
Mass (without HJ ring)	0.47 kg
Brand	NTN

Product performance

Dynamic load, C	63 kN
Static load, C0	66.5 kN
Fatigue limit load, Cu	8.1 kN
Nlim (oil)	9,000 Tr/min
Nlim (grease)	7,600 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.79 Hz
Characteristic outer ring frequency, BPF0	6.24 Hz
Characteristic inner ring frequency, BPFI	8.76 Hz

Abutment dimensions

da min	51.5 mm
dc min	61 mm
Da max	78.5 mm
ra max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$