

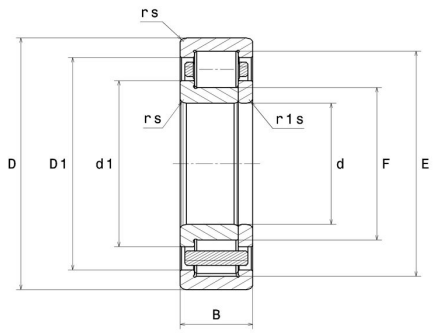
Technical data

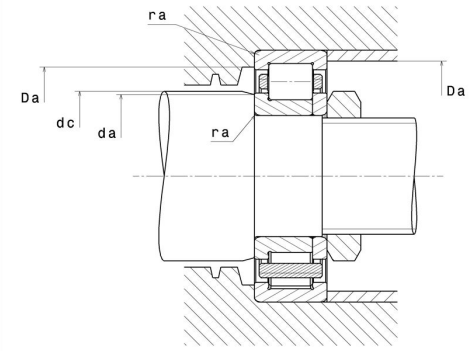
NUP2309ET2XU

Single row cylindrical roller bearings

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

Visual(s)





Product definition

d	45 mm
D	100 mm
B	36 mm
E	88.5 mm
F	58.5 mm
d1	64.5 mm
rs min	1.5 mm
r1s min	1.5 mm
Radial clearance class	CN
Mass (without HJ ring)	1.34 kg
Brand	NTN

Product performance

Dynamic load, C	137 kN
Static load, C0	153 kN
Fatigue limit load, Cu	18.7 kN
Nlim (oil)	6,800 Tr/min
Nlim (grease)	5,700 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	4.7 Hz
Characteristic outer ring frequency, BPF0	5.17 Hz
Characteristic inner ring frequency, BPFI	7.83 Hz

Abutment dimensions

da min	53 mm
dc min	66 mm
Da max	92 mm
ra max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$