Technical data

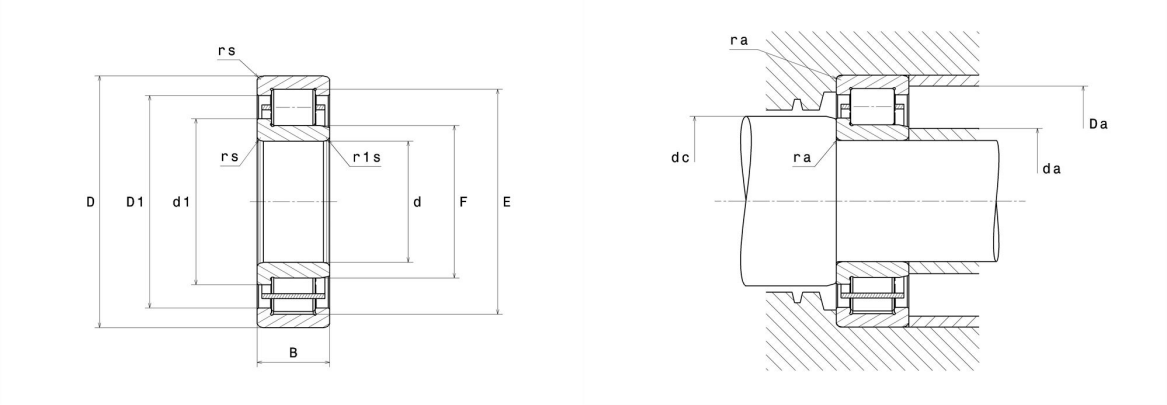
NJ309

Single row cylindrical roller bearings



Single row cylindrical roller bearing, single direction for axial loads, separable, pressed steel cage.

Visual(s)



Product definition

d	45 mm
D	100 mm
B	25 mm
E	86.5 mm
F	58.5 mm
d1	64 mm
rs min	1.5 mm
r1s min	1.5 mm
Radial clearance class	CN
Mass (without HJ ring)	0.9 kg
Brand	NTN

Product performance

Dynamic load, C	74 kN
Static load, C0	71 kN
Fatigue limit load, Cu	8.7 kN
Nlim (oil)	8,400 Tr/min
Nlim (grease)	7,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.98 Hz
Characteristic outer ring frequency, BPF0	4.44 Hz
Characteristic inner ring frequency, BPFI	6.56 Hz

Abutment dimensions

da min	53 mm
da max	57 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

$Po = Fr$