Technical data

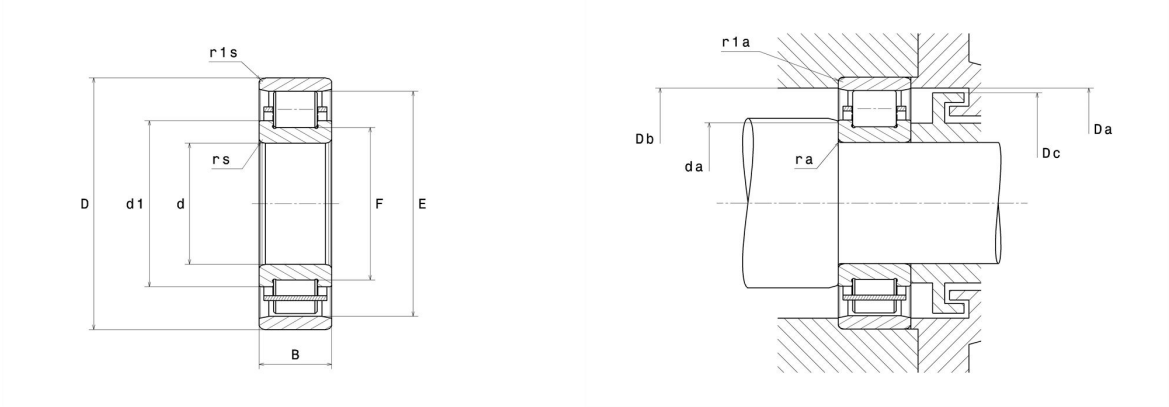
N311

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, pressed steel cage

Visual(s)



Product definition

d	55 mm
D	120 mm
B	29 mm
E	104.5 mm
F	70.5 mm
d1	77.2 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	1.41 kg
Brand	NTN

Product performance

Dynamic load, C	111 kN
Static load, C0	111 kN
Fatigue limit load, Cu	13.5 kN
Nlim (oil)	7,000 Tr/min
Nlim (grease)	5,900 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C

Abutment dimensions

da min	64 mm
Da max	111 mm
Db min	106 mm
Dc max	103 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr