Technical data

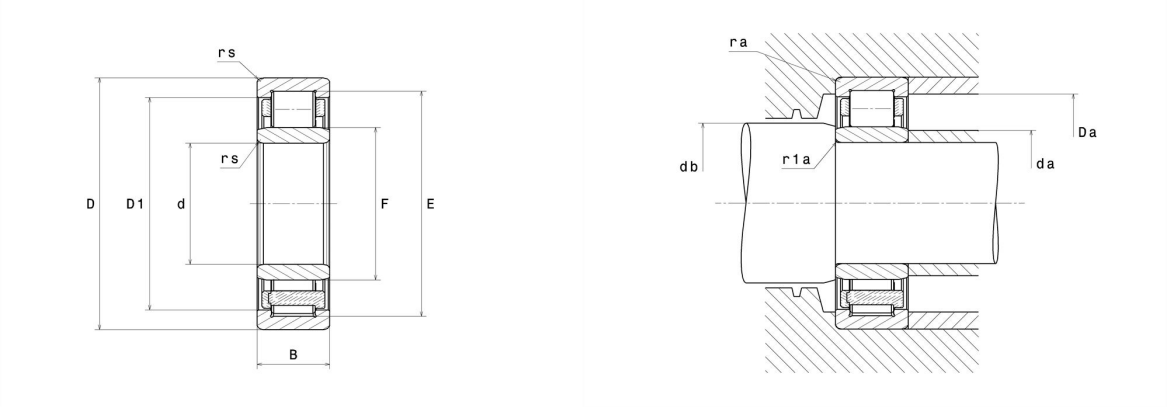
NU1011

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, brass cage



Visual(s)



Product definition

d	55 mm
D	90 mm
B	18 mm
E	80.5 mm
F	64.5 mm
rs min	1.1 mm
r1s min	1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.43 kg
Brand	NTN

Product performance

Dynamic load, C	37.5 kN
Static load, C0	44 kN
Fatigue limit load, Cu	5.4 kN
Nlim (oil)	9,700 Tr/min
Nlim (grease)	8,200 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8.95 Hz
Characteristic outer ring frequency, BPF0	8.9 Hz
Characteristic inner ring frequency, BPFI	11.1 Hz

Abutment dimensions

da min	60 mm
da max	63 mm
db min	66 mm
Da max	83.5 mm
ra max	1 mm
r1a max	1 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr