Technical datasheet

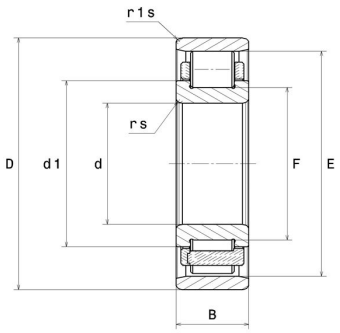
N1011G1C4

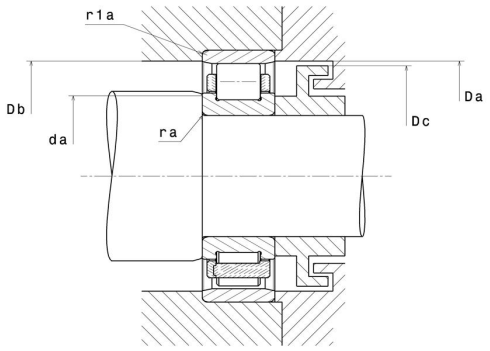
Single row cylindrical roller bearings

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
d1	67.7 mm
rs min	1.1 mm
r1s min	1 mm
Radial clearance class	C4
Mass (without HJ ring)	0.41 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 rpm
Nlim (grease)	8,200 rpm
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	61.5 mm
Da max	85 mm
Db min	82 mm
Dc max	79 mm
ra max	1 mm
r1a max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$