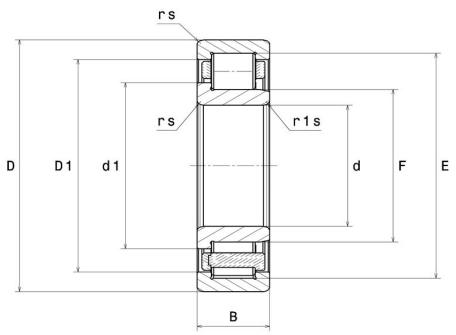
Technical datasheet

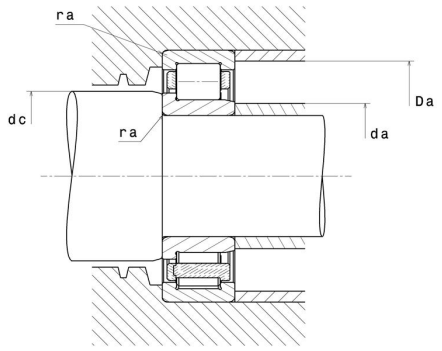
NJ1014G1

Single row cylindrical roller bearings

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

Visual(s)





Product definition

d	70 mm
D	110 mm
B	20 mm
E	100 mm
F	80 mm
d1	84 mm
rs min	1.1 mm
r1s min	1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.69 kg
Brand	NTN

Product performance

Dynamic load, C	58.5 kN
Static load, C0	70.5 kN
Fatigue limit load, Cu	8.6 kN
Nlim (oil)	7,600 rpm
Nlim (grease)	6,500 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	8.89 Hz
Characteristic outer ring frequency, BPF0	8.89 Hz
Characteristic inner ring frequency, BPFI	11.11 Hz

Abutment dimensions

da min	76.5 mm
da max	78 mm
dc min	85 mm
Da max	103.5 mm
ra max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$