Technical data

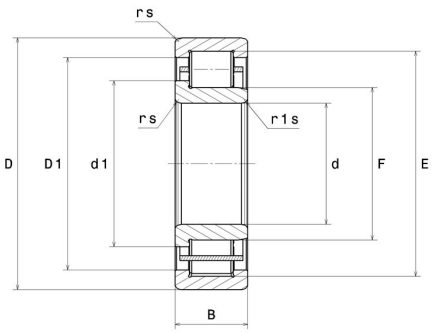
NJ409

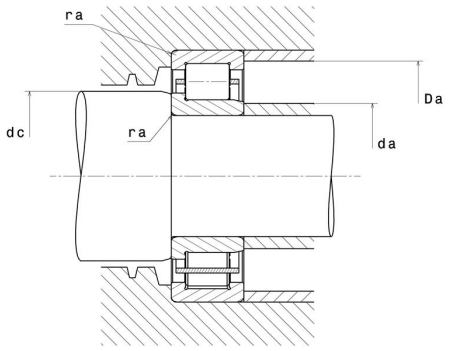
Single row cylindrical roller bearings



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

Visual(s)





Product definition

d	45 mm
D	120 mm
B	29 mm
E	100.5 mm
F	64.5 mm
d1	71.8 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	1.66 kg
Brand	NTN

Product performance

Dynamic load, C	107 kN
Static load, C0	102 kN
Fatigue limit load, Cu	12.4 kN
Nlim (oil)	6,000 Tr/min
Nlim (grease)	5,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.36 Hz
Characteristic outer ring frequency, BPF0	3.91 Hz
Characteristic inner ring frequency, BPFI	6.09 Hz

Abutment dimensions

da min	54 mm
da max	63 mm
dc min	74 mm
Da max	111 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$