Technical datasheet

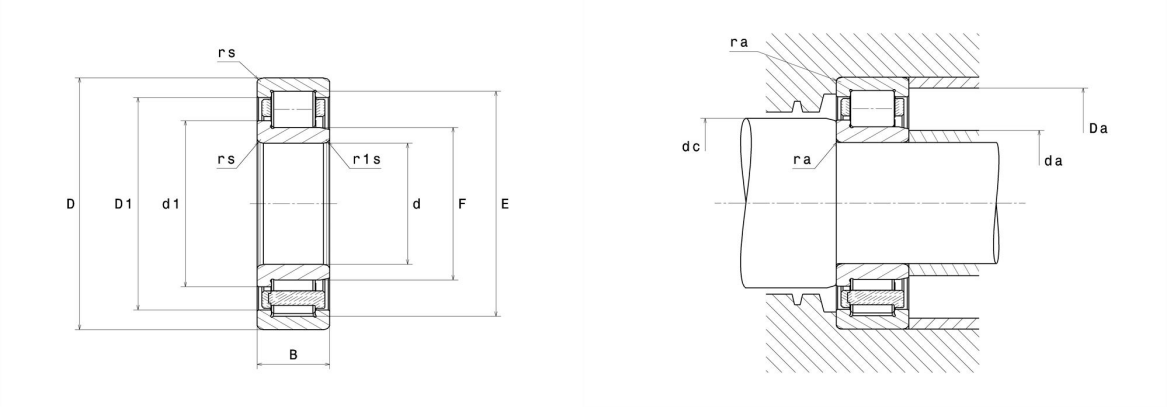
NJ2207EG1

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	35 mm
D	72 mm
B	23 mm
E	64 mm
F	44 mm
d1	48 mm
rs min	1.1 mm
r1s min	0.6 mm
Radial clearance class	CN
Mass (without HJ ring)	0.45 kg
Brand	NTN

Product performance

Dynamic load, C	61.5 kN
Static load, C0	65.5 kN
Fatigue limit load, Cu	8 kN
Nlim (oil)	10,000 rpm
Nlim (grease)	8,500 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.22 Hz
Characteristic outer ring frequency, BPF0	5.7 Hz
Characteristic inner ring frequency, BPFI	8.3 Hz

Abutment dimensions

da min	41.5 mm
da max	43 mm
dc min	50 mm
Da max	65.5 mm
ra max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$