Technical data

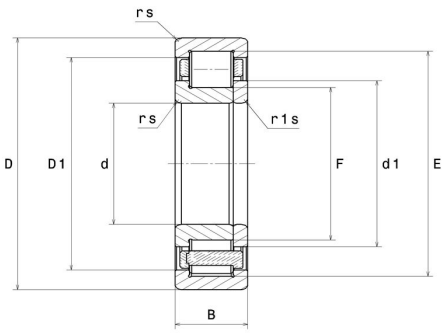
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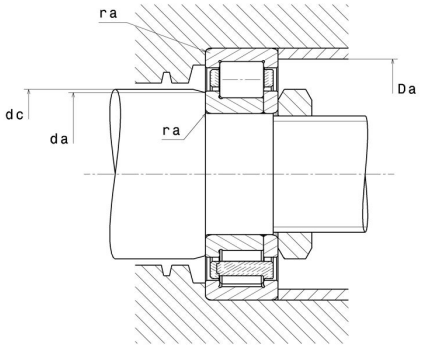
Single row cylindrical roller bearings



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

Visual(s)





Product definition

d	85 mm
D	150 mm
B	28 mm
E	136.5 mm
F	100.5 mm
d1	107.7 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C4
Mass (without HJ ring)	2.11 kg
Brand	NTN

Product performance

Dynamic load, C	167 kN
Static load, C0	199 kN
Fatigue limit load, Cu	23.1 kN
Nlim (oil)	4,800 Tr/min
Nlim (grease)	4,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.43 Hz
Characteristic outer ring frequency, BPF0	7.21 Hz
Characteristic inner ring frequency, BPFI	9.79 Hz

Abutment dimensions

da min	94 mm
dc min	110 mm
Da max	141 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$