Technical data

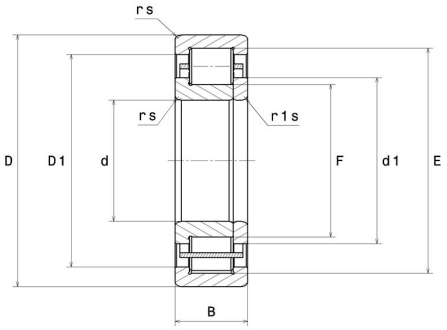
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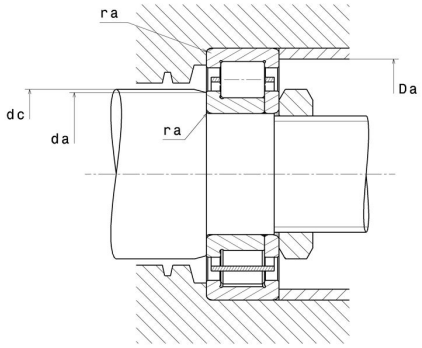
Single row cylindrical roller bearings



Single row cylindrical roller bearing, locating, separable, pressed steel cage

Visual(s)





Product definition

d	140 mm
D	250 mm
B	42 mm
E	221 mm
F	169 mm
d1	179.5 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	8.58 kg
Brand	NTN

Product performance

Dynamic load, C	310 kN
Static load, C0	400 kN
Fatigue limit load, Cu	39.9 kN
Nlim (oil)	3,100 Tr/min
Nlim (grease)	2,700 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.37 Hz
Characteristic outer ring frequency, BPF0	7.37 Hz
Characteristic inner ring frequency, BPFI	9.63 Hz

Abutment dimensions

da min	153 mm
dc min	182 mm
Da max	237 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$