Technical data

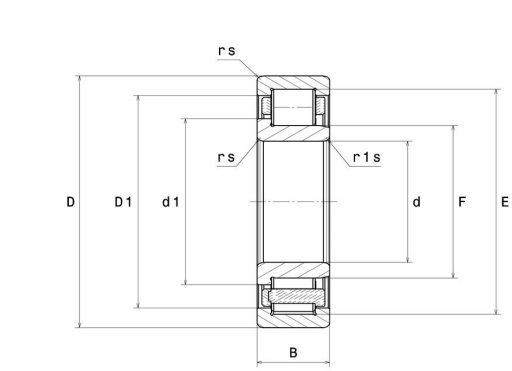
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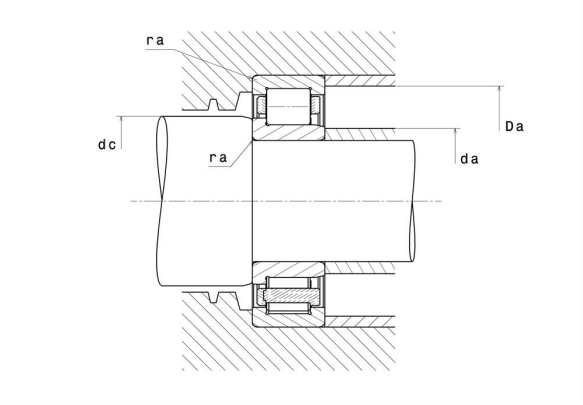
Single row cylindrical roller bearings



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

Visual(s)





Product definition

d	150 mm
D	270 mm
B	45 mm
E	238 mm
F	182 mm
d1	193 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C3
Mass (without HJ ring)	11.1 kg
Brand	NTN

Product performance

Dynamic load, C	345 kN
Static load, C0	435 kN
Fatigue limit load, Cu	42.5 kN
Nlim (oil)	2,900 Tr/min
Nlim (grease)	2,500 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	6.93 Hz
Characteristic inner ring frequency, BPFI	9.07 Hz

Abutment dimensions

da min	163 mm
da max	179 mm
dc min	196 mm
Da max	257 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$