Technical datasheet

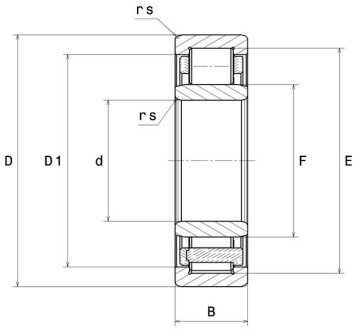
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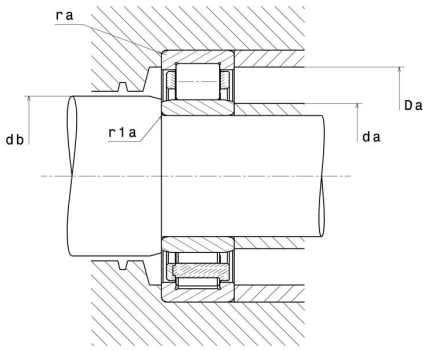
Single row cylindrical roller bearings

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



Visual(s)





Product definition

d	110 mm
D	240 mm
B	50 mm
E	211 mm
F	143 mm
D1	198.4 mm
rs min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	11.1 kg
Brand	NTN

Product performance

Dynamic load, C	450 kN
Static load, C0	525 kN
Nlim (oil)	3,100 rpm
Nlim (grease)	2,700 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	5.01 Hz
Characteristic outer ring frequency, BPF0	5.66 Hz
Characteristic inner ring frequency, BPFI	8.34 Hz

Abutment dimensions

da min	123 mm
da max	140 mm
db min	145 mm
Da max	277 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr