Technical datasheet

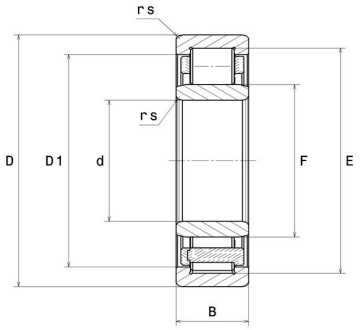
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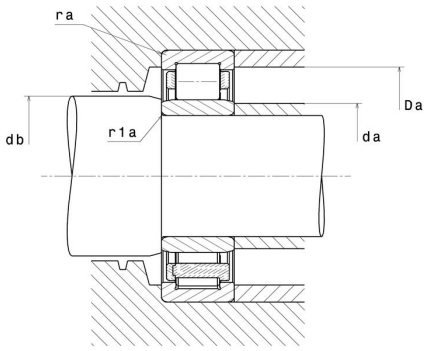
Single row cylindrical roller bearings



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

Visual(s)





Product definition

d	85 mm
D	180 mm
B	60 mm
E	160 mm
F	108 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	7.12 kg
Brand	NTN

Product performance

Dynamic load, C	395 kN
Static load, C0	485 kN
Fatigue limit load, Cu	54.4 kN
Nlim (oil)	3,700 rpm
Nlim (grease)	3,100 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	4.96 Hz
Characteristic outer ring frequency, BPF0	5.64 Hz
Characteristic inner ring frequency, BPFI	8.36 Hz

Abutment dimensions

da min	98 mm
da max	106 mm
db min	110 mm
Da max	167 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr