Technical datasheet

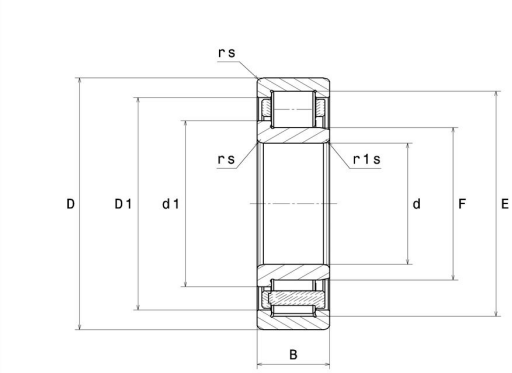
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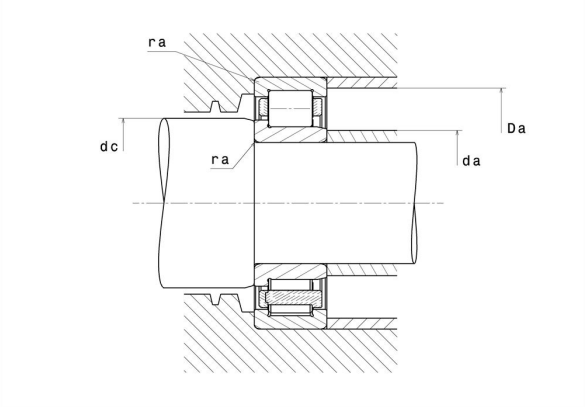
Single row cylindrical roller bearings

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



Visual(s)





Product definition

d	110 mm
D	240 mm
B	80 mm
E	211 mm
F	143 mm
d1	156.6 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C4
Mass (without HJ ring)	17.8 kg
Brand	NTN

Product performance

Dynamic load, C	675 kN
Static load, C0	880 kN
Fatigue limit load, Cu	90.7 kN
Nlim (oil)	2,800 rpm
Nlim (grease)	2,400 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
dc min	158 mm
Da max	227 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$