Technical datasheet

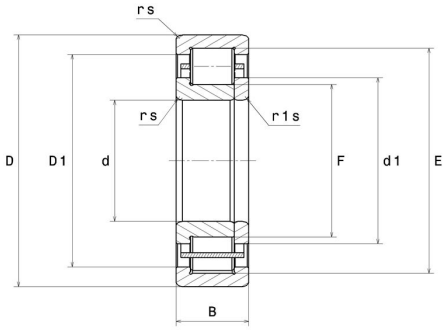
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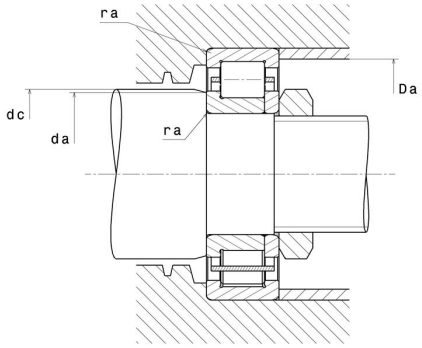
Single row cylindrical roller bearings

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



Visual(s)





Product definition

d	50 mm
D	90 mm
B	23 mm
E	80.4 mm
F	60.4 mm
d1	64.6 mm
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.6 kg
Brand	NTN

Product performance

Dynamic load, C	64 kN
Static load, C0	73.5 kN
Fatigue limit load, Cu	9 kN
Nlim (oil)	8,100 rpm
Nlim (grease)	6,900 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.9 Hz
Characteristic outer ring frequency, BPF0	6.44 Hz
Characteristic inner ring frequency, BPFI	8.56 Hz

Abutment dimensions

da min	56.5 mm
dc min	67 mm
Da max	83.5 mm
ra max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$