Technical datasheet

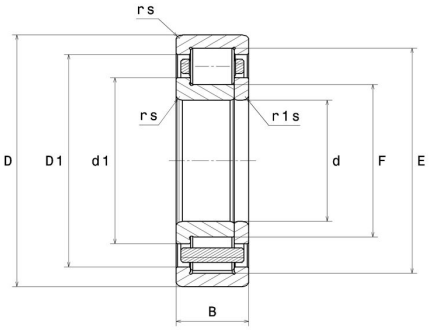
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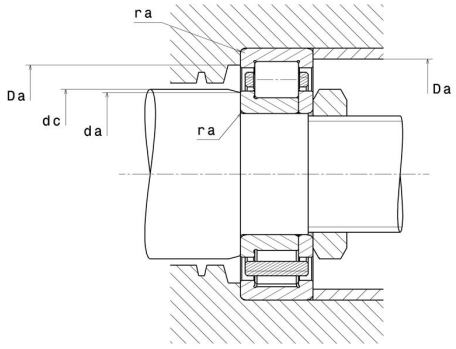
Single row cylindrical roller bearings



Single row cylindrical roller bearing, locating, separable, polyamide cage

Visual(s)





Product definition

d	50 mm
D	90 mm
B	23 mm
E	81.5 mm
F	59.5 mm
d1	64 mm
D1	78.3 mm
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.6 kg
Brand	SNR

Product performance

Dynamic load, C	81.3 kN
Static load, C0	94.1 kN
Fatigue limit load, Cu	11.5 kN
Nref	5,200 rpm
Nlim	9,200 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.25 Hz
Characteristic outer ring frequency, BPF0	6.75 Hz
Characteristic inner ring frequency, BPFI	9.25 Hz

Abutment dimensions

da min	56.5 mm
dc min	67 mm
Da max	83.5 mm
ra max	1 mm
r1a max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$