Technical datasheet

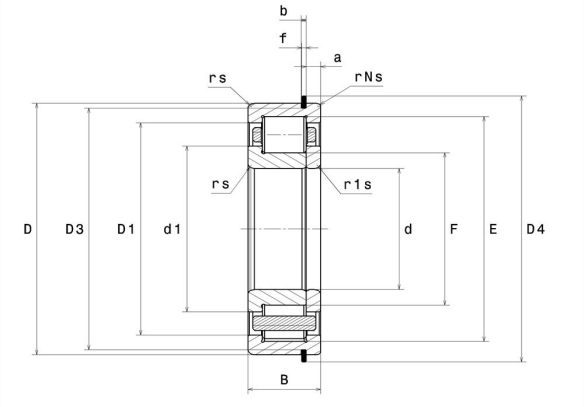
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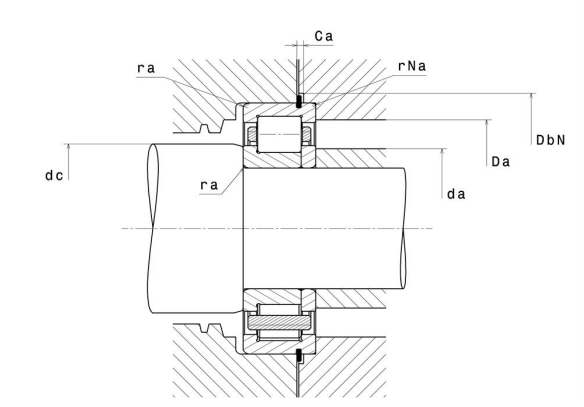
Single row cylindrical roller bearings

Single row cylindrical roller bearing with snap ring, separable, locating, polyamide cage



Visual(s)





Product definition

d	45 mm
D	85 mm
B	19 mm
E	76.5 mm
F	54.5 mm
d1	59 mm
D1	73.3 mm
a min	3.07 mm
a max	3.28 mm
Ca min	4.67 mm
Ca max	4.98 mm
rNs min	0.6 mm
D3 max	81.81 mm
b min	1.9 mm
b max	2.2 mm
r0 max	0.6 mm
D4 max	91.6 mm
f	1.65 mm
Snap ring reference	R85
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	C3
Mass (without HJ ring)	0.46 kg
Brand	SNR

Product performance

Dynamic load, C	64.8 kN
Static load, C0	68.9 kN
Fatigue limit load, Cu	8.4 kN
Nref	6,900 rpm
Nlim	9,900 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	5.79 Hz
Characteristic outer ring frequency, BPF0	6.24 Hz
Characteristic inner ring frequency, BPFI	8.76 Hz

Abutment dimensions

da min	51.5 mm
dc min	61 mm
Da max	78.5 mm
DbN min	93 mm
ra max	1 mm
r1a max	1 mm
rNa max	0.6 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$