Technical datasheet

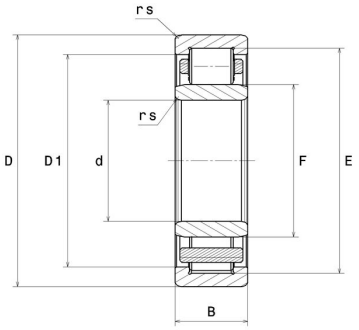
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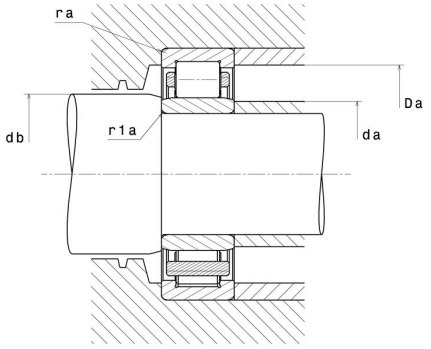
Single row cylindrical roller bearings

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



Visual(s)





Product definition

d	20 mm
D	52 mm
B	15 mm
E	45.5 mm
F	27.5 mm
D1	42.4 mm
rs min	1.1 mm
r1s min	0.6 mm
Radial clearance class	CN
Mass (without HJ ring)	0.14 kg
Brand	SNR

Product performance

Dynamic load, C	30.7 kN
Static load, C0	26 kN
Fatigue limit load, Cu	3.15 kN
Nref	12,000 rpm
Nlim	17,000 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	3.81 Hz
Characteristic outer ring frequency, BPF0	3.77 Hz
Characteristic inner ring frequency, BPFI	6.23 Hz

Abutment dimensions

da min	24 mm
da max	27 mm
Da max	45.5 mm
ra max	1 mm
r1a max	0.6 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$