Technical data

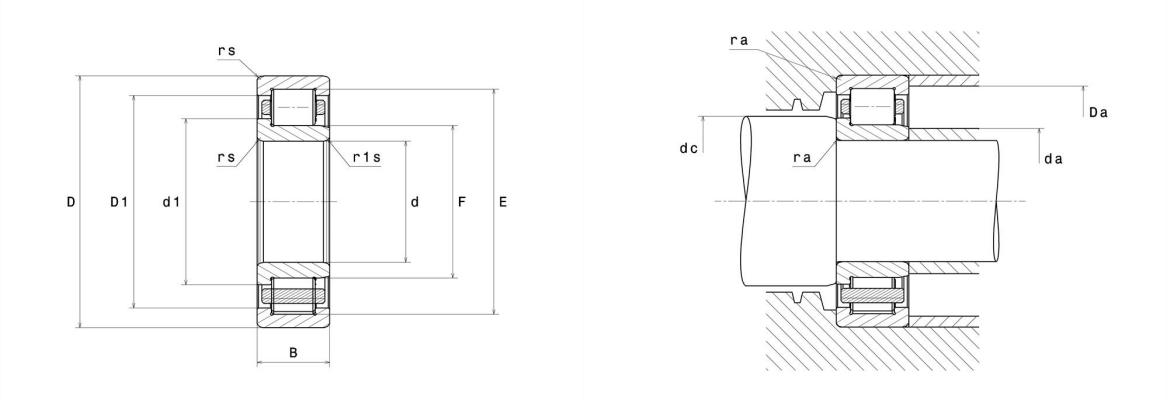
NJ.2304.E.G15

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	20 mm
D	52 mm
B	21 mm
E	45.5 mm
F	27.5 mm
d1	31.3 mm
D1	42.4 mm
s max	3 mm
B1	31.3 mm
a min	2 mm
rNs min	1.1 mm
rs min	1.1 mm
r1s min	0.6 mm
Radial clearance class	CN
Mass (without HJ ring)	0.22 kg
HJ Ring reference	0
Mass (HJ ring)	0.22 kg
Brand	SNR

Product performance

Dynamic load, C	42.9 kN
Static load, C0	40 kN
Fatigue limit load, Cu	4.9 kN
Nref	9,800 Tr/min
Nlim	17,000 Tr/min
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	26.5 mm
da max	27 mm
db min	30 mm
dc min	33 mm
Da max	45.5 mm
Db min	27.5 mm
DbN min	33 mm
ra max	1 mm
r1a max	0.6 mm
rNa max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$