Technical data

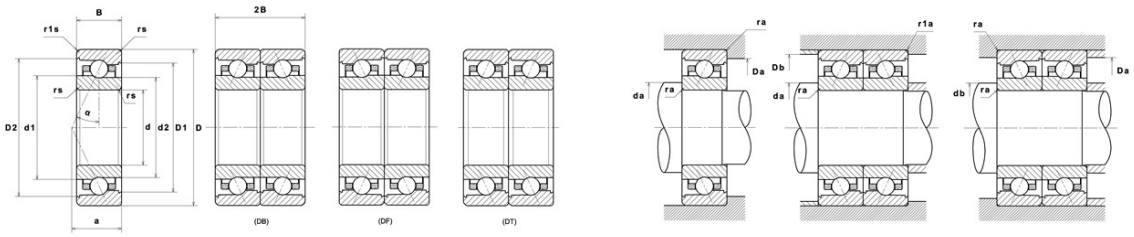
ML71910CVUJ74S

High precision angular contact ball bearings



High precision angular contact ball bearing, high speed series ML, laminated resin cage centred on outer ring

Visual(s)



Product definition

d	50 mm
D	72 mm
B	12 mm
d1	56.8 mm
d2	54.7 mm
D1	66.01 mm
D2	67.51 mm
a	15 mm
Contact angle α	17 °
rs min	0.6 mm
r1s min	0.3 mm
f0	8.61
Precision class	P4S
Mass	0.13 kg
Brand	SNR

Product performance

Dynamic load, C	7.5 kN
Static load, C0	5.6 kN
Fatigue limit load, Cu	0.34 kN
Nlim (oil)	36,000 Tr/min
Nlim (grease)	26,000 Tr/min
Axial displacement K Factor	1.11
Preload level	7
Preload value	0.04 kN
Axial rigidity	44 N/µm
Radial rigidity	219 N/µm
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	12.46 Hz
Characteristic outer ring frequency, BPF0	13.86 Hz
Characteristic inner ring frequency, BPFI	16.14 Hz

Abutment dimensions

da min	54.5 mm
db min	54.5 mm
Da max	67.5 mm
Db max	67.5 mm
r1a max	0.3 mm
ra max	0.6 mm
D6	58.3 mm