Technical datasheet

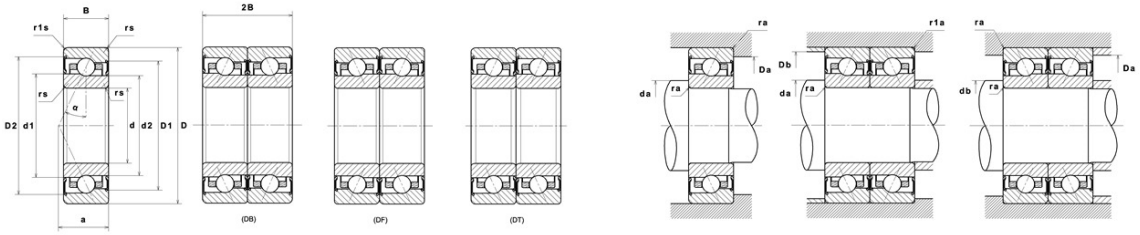
MLE71911CVUJ84S

High precision angular contact ball bearings



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

Visual(s)



Product definition

d	55 mm
D	80 mm
B	13 mm
d1	63.1 mm
d2	61.15 mm
D1	73.71 mm
D2	75.31 mm
a	17 mm
Contact angle α	17 °
rs min	1 mm
r1s min	0.3 mm
f0	8.57
Precision class	P4S
Mass	0.18 kg
Brand	SNR

Product performance

Dynamic load, C	10 kN
Static load, C0	7.6 kN
Fatigue limit load, Cu	0.41 kN
Nlim (grease)	24,000 rpm
Axial displacement K Factor	1.05
Preload level	8
Preload value	0.15 kN
Axial rigidity	75 N/µm
Radial rigidity	356 N/µm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	11.93 Hz
Characteristic outer ring frequency, BPF0	13.8 Hz
Characteristic inner ring frequency, BPFI	16.2 Hz

Abutment dimensions

da min	60.5 mm
db min	60.5 mm
Da max	74.5 mm
Db max	74.5 mm
r1a max	0.3 mm
ra max	1 mm
D6	65 mm