Technical data

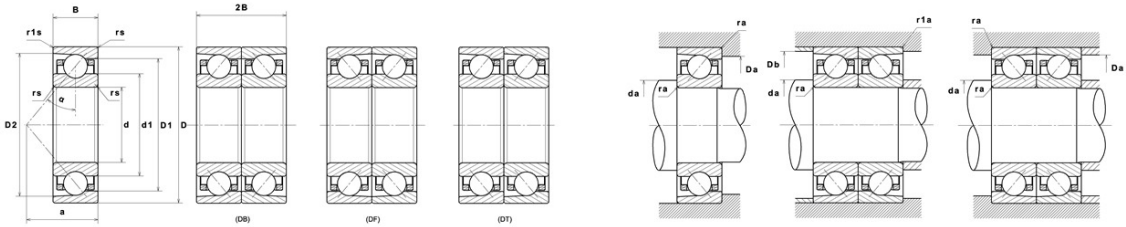
10R71920CVUJ84

High precision angular contact ball bearings



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

Visual(s)



Product definition

d	100 mm
D	140 mm
B	20 mm
d1	112.8 mm
D1	127.2 mm
D2	133.36 mm
a	26 mm
Contact angle α	15 °
rs min	0.6 mm
r1s min	0.6 mm
f0	16.5
Precision class	P4
Mass	0.8 kg
Brand	SNR

Product performance

Dynamic load, C	51 kN
Static load, C0	56.5 kN
Fatigue limit load, Cu	2.75 kN
Nlim (oil)	14,500 Tr/min
Nlim (grease)	9,600 Tr/min
Axial displacement K Factor	0.93
Preload level	8
Preload value	0.79 kN
Axial rigidity	160 N/µm
Radial rigidity	822 N/µm
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.99 Hz
Characteristic outer ring frequency, BPF0	11.3 Hz
Characteristic inner ring frequency, BPFI	13.7 Hz

Abutment dimensions

da min	104.5 mm
db min	104.5 mm
Da max	135.5 mm
Db max	135.5 mm
r1a max	0.6 mm
ra max	0.6 mm
D6	116.5 mm