Technical data

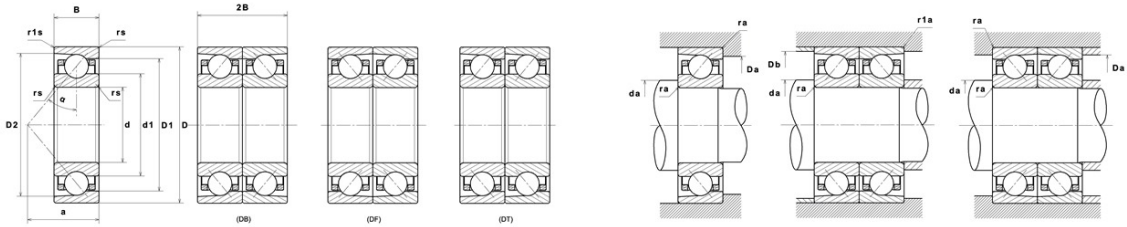
71928.HV.U.J74

High precision angular contact ball bearings



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

Visual(s)



Product definition

d	140 mm
D	190 mm
B	24 mm
d1	156 mm
D1	174.02 mm
D2	180.88 mm
a	50 mm
Contact angle α	25 °
rs min	1.5 mm
r1s min	0.6 mm
f0	16.81
Precision class	P4
Mass	1.68 kg
Brand	SNR

Product performance

Dynamic load, C	80.6 kN
Static load, C0	100 kN
Fatigue limit load, Cu	4.4 kN
Nlim (oil)	9,700 Tr/min
Nlim (grease)	6,400 Tr/min
Axial displacement K Factor	0.36
Preload level	7
Preload value	1.14 kN
Axial rigidity	419 N/µm
Radial rigidity	882 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	10.87 Hz
Characteristic outer ring frequency, BPF0	13.3 Hz
Characteristic inner ring frequency, BPFI	15.7 Hz

Abutment dimensions

da min	148.5 mm
db min	148.5 mm
Da max	181.5 mm
Db max	181.5 mm
r1a max	0.6 mm
ra max	1.5 mm
D6	159.8 mm