Technical data

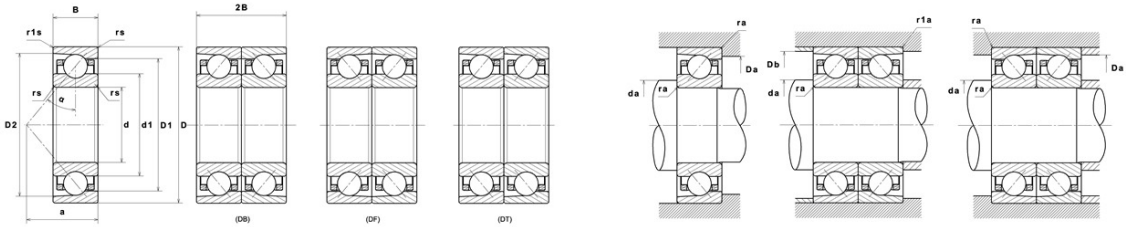
7016HVUJ84

High precision angular contact ball bearings



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

Visual(s)



Product definition

d	80 mm
D	125 mm
B	22 mm
d1	94.3 mm
D1	110.7 mm
D2	117.49 mm
a	35 mm
Contact angle α	25 °
rs min	1.1 mm
r1s min	0.6 mm
f0	15.93
Precision class	P4
Mass	0.84 kg
Brand	SNR

Product performance

Dynamic load, C	55.6 kN
Static load, C0	52.6 kN
Fatigue limit load, Cu	2.95 kN
Nlim (oil)	15,500 Tr/min
Nlim (grease)	10,000 Tr/min
Axial displacement K Factor	0.48
Preload level	8
Preload value	1.47 kN
Axial rigidity	353 N/µm
Radial rigidity	704 N/µm
Min operating temperature, Tmin	-30 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	7.49 Hz
Characteristic outer ring frequency, BPF0	8.81 Hz
Characteristic inner ring frequency, BPFI	11.19 Hz

Abutment dimensions

da min	87 mm
db min	87 mm
Da max	118 mm
Db max	118 mm
r1a max	0.6 mm
ra max	1 mm
D6	98.7 mm