

SNR 7017HVDUJ74 angular contact ball bearings

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Size (mm)	40x68x15
Bore Diameter (mm)	40
Outer Diameter (mm)	68
Width (mm)	15
d	40 mm
D	68 mm
B	15 mm
C	15 mm
Angle (α)	15 °
d1	49.2 mm
d2	46.9 mm
D1	60.91 mm
D2	63.31 mm
a	16 mm
Contact angle α	17 °
rs min	1 mm
r1s min	0.6 mm
f0	8.15
Precision class	P4S
Mass	0.18 kg
Dynamic load, C	10.9 kN

Static load, C ₀	6.9 kN
Fatigue limit load, C _u	0.4 kN
N _{lim} (oil)	41,000 rpm
N _{lim} (grease)	30,000 rpm
Axial displacement K Factor	1.23
Preload level	7
Preload value	0.055 kN
Axial rigidity	43 N/μm
Radial rigidity	218 N/μm
Min operating temperature, T _{min}	-30 °C
Max operating temperature, T _{max}	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8.28 Hz
Characteristic outer ring frequency, BPF ₀	9.75 Hz
Characteristic inner ring frequency, BPF _I	12.25 Hz
d _{a min}	45.5 mm
d _{b min}	45.5 mm
D _{a max}	62.5 mm
D _{b max}	62.5 mm
r _{1a max}	0.6 mm
r _{a max}	1 mm
D ₆	51.4 mm