

SKF 71911 CE/HCP4AH1 angular contact ball bearings

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d	45 mm
D	75 mm
B	16 mm
d1	55.3 mm
d2	53 mm
D1	64.7 mm
D2	69.4 mm
a	16.1 mm
Contact angle α	15 °
rs min	1 mm
r1s min	0.6 mm
f0	15.4
Precision class	P42
Mass	0.24 kg
Dynamic load, C	25.3 kN
Static load, C0	20.4 kN
Nlim (oil)	31,200 rpm
Nlim (grease)	19,500 rpm
Preload level	GN
Preload value	0.147 kN
Axial rigidity	64.7 N/ μ m
Radial rigidity	360 N/ μ m

Min operating temperature, T_{min}	-20 °C
Max operating temperature, T_{max}	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.74 Hz
Characteristic outer ring frequency, BPF0	7.74 Hz
Characteristic inner ring frequency, BRFI	10.26 Hz
d_a min	50.5 mm
D_a max	69.5 mm
D_b max	70.5 mm
r_{1a} max	0.6 mm
r_a max	1 mm
D6	55.9 mm