

# NSK 38BWD09A angular contact ball bearings

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d	110 mm
D	200 mm
B	53 mm
d2	130.1 mm
D1	178.4 mm
rs min	2.1 mm
Number of lubrication holes	3
b	12.2 mm
k	6 mm
e	0.25
Y1	2.69
Y2	4
Y0	2.63
Radial clearance class	C4
Mass	7.04 kg
Dynamic load, C	602 kN
Static load, C0	643 kN
Fatigue limit load, Cu	66.3 kN
Nref	3,300 rpm
Nlim	4,100 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	200 °C
Characteristic cage frequency, FTF	0.42 Hz

Characteristic rolling element frequency, BSF	6.1 Hz
Characteristic outer ring frequency, BPF0	7.58 Hz
Characteristic inner ring frequency, BRFI	10.42 Hz
da min	122 mm
Da max	188 mm
ra max	2 mm