



NTN Bearing Manufacturing



55,000 mm x 100,000 mm x 33,300 mm SNR
5211ZZG15 angular contact ball bearings

Bearing No. 5211ZZG15

Size	55x100x33.300 mm
Bore Diameter	55,000 mm
Outer Diameter	100,000 mm
Width	33,300 mm
d	55,000 mm
D	100,000 mm
B	33,300 mm
C	33,300 mm
d1	68.7 mm
D1	88.9 mm
a	49.9 mm
Contact angle	25 °
rs min	1.5 mm
Radial clearance class	CN
Precision class	P0
Mass	0.88 kg
Dynamic load, C	55.5 kN
Static load, C0	49.4 kN
Fatigue limit load, Cu	2.95 kN
f0	15
Nref	5,500 rpm
Nlim	5,100 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C

5211ZZG15 Bearing 2D drawings and 3D CAD models



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Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.56 Hz
Characteristic outer ring frequency, BPF0	4.21 Hz
Characteristic inner ring frequency, BRFI	5.79 Hz
da min	63 mm
da max	68.7 mm
Da max	92 mm
ra max	1.5 mm