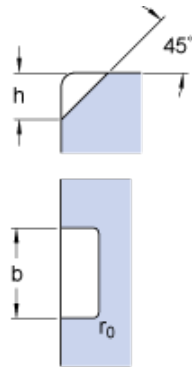
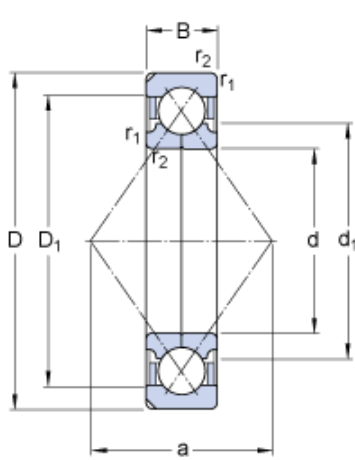




# GF BEARING-SINGAPORE LTD.



55 mm x 120 mm x 29 mm skf QJ 311 N2MA  
four-point contact ball bearings

Bearing No. QJ 311 N2MA

QJ 311 N2MA Bearing 2D drawings and 3D CAD models

Size	120x55x29 mm
Bore Diameter	120 mm
Outer Diameter	55 mm
Width	29 mm
d	55 mm
D	120 mm
B	29 mm
d <sub>1</sub>	70.5 mm
D <sub>1</sub>	97.8 mm
a	61 mm
h	8.1 mm
b	6.5 mm
r <sub>0</sub>	1 mm
r <sub>1,2</sub> - min.	2 mm
d <sub>a</sub> - min.	66 mm
D <sub>a</sub> - max.	109 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	137 kN
Basic static load rating - C <sub>0</sub>	118 kN
Fatigue load limit - P <sub>u</sub>	5 kN
Reference speed	7000 r/min
Limiting speed	10000 r/min
Calculation factor - k <sub>a</sub>	1.1
Calculation factor - e	0.95



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Calculation factor - X	0.6
Calculation factor - $Y_0$	0.58
Calculation factor - $Y_1$	0.66
Calculation factor - $Y_2$	1.07
$d_1$	70.5 mm
$D_1$	97.8 mm
$r_0$	1 mm
$r_{1,2}$ min.	2 mm
$d_a$ min.	66 mm
$D_a$ max.	109 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	137 kN
Basic static load rating $C_0$	118 kN
Fatigue load limit $P_u$	5 kN
Calculation factor A	0.0404
Calculation factor e	0.95
Calculation factor X	0.6
Calculation factor $Y_0$	0.58
Calculation factor $Y_1$	0.66
Calculation factor $Y_2$	1.07
Mass bearing	1.75 kg