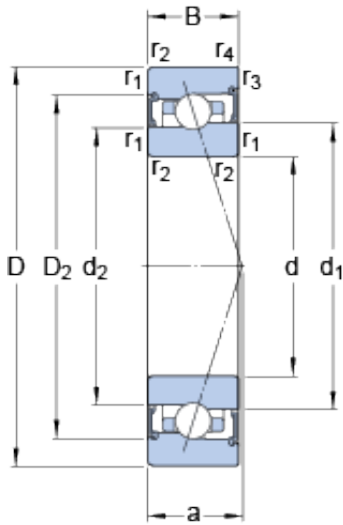




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55 mm x 80 mm x 13 mm SKF S71911 CB/HCP4A angular contact ball bearings

Bearing No. S71911 CB/HCP4A

S71911 CB/HCP4A Bearing 2D drawings and 3D CAD models

Size	80x55x13 mm
Bore Diameter	80 mm
Outer Diameter	55 mm
Width	13 mm
d	55 mm
D	80 mm
B	13 mm
d ₁	63.94 mm
d ₂	62.7 mm
D ₂	73.2 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.3 mm
a	18.8 mm
d _a - min.	59.6 mm
d _a - max.	63.3 mm
d _b - min.	59.6 mm
d _b - max.	62.1 mm
D _a - max.	75.4 mm
D _b - max.	78 mm
r _a - max.	1 mm
r _b - max.	0.3 mm
Basic dynamic load rating - C	10 kN
Basic static load rating - C ₀	8.2 kN
Fatigue load limit - P _u	0.345 kN



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Limiting speed for grease lubrication	28000 r/min
Ball - D_w	5.556 mm
Ball - z	28
Calculation factor - f_0	9.8
Preload class A - G_A	33 N
Preload class B - G_B	66 N
Preload class C - G_C	200 N
Calculation factor - f	1.09
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.08
Calculation factor - f_{HC}	1.01
Preload class A	38 N/micron
Preload class B	50 N/micron
Preload class C	80 N/micron
d_1	63.94 mm
d_2	62.7 mm
D_2	73.2 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	59.6 mm
d_a max.	63.3 mm
d_b min.	59.6 mm
d_b max.	62.1 mm
D_a max.	75.4 mm
D_b max.	78 mm
r_a max.	1 mm
r_b max.	0.3 mm
Basic dynamic load rating C	13.5 kN



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Basic static load rating C_0	13.7 kN
Fatigue load limit P_u	0.345 kN
Attainable speed for grease lubrication	28000 r/min
Ball diameter D_w	5.556 mm
Number of balls z	28
Preload class A G_A	33 N
Static axial stiffness, preload class A	38 N/ μ m
Preload class B G_B	66 N
Static axial stiffness, preload class B	50 N/ μ m
Preload class C G_C	200 N
Static axial stiffness, preload class C	80 N/ μ m
Calculation factor f	1.09
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1.01
Calculation factor f_0	9.8
Mass bearing	0.18 kg