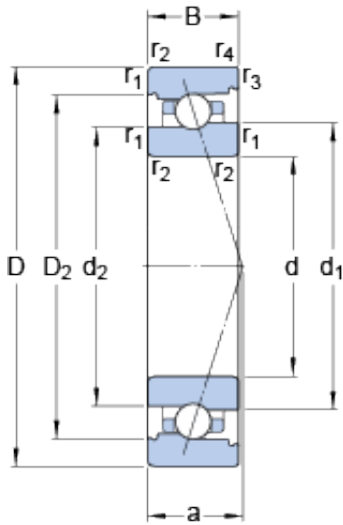




BEARING-MALAYSIA SDN.BHD.



71911 CB/HCP4A Bearing 2D drawings and 3D CAD models

55 mm x 80 mm x 13 mm SKF 71911 CB/HCP4A angular contact ball bearings

Bearing No. 71911 CB/HCP4A

| | |
|---|-------------|
| 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 _b - min. | 59.6 mm |
| D _a - max. | 75.4 mm |
| D _b - max. | 78 mm |
| r _a - max. | 1 mm |
| r _b - max. | 0.3 mm |
| d _n | 64.8 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 |
| Limiting speed for grease | 28000 r/min |



BEARING-MALAYSIA SDN.BHD.

| | |
|------------------------------------|----------------------|
| Lubrication | |
| Limiting speed for oil lubrication | 43000 mm/min |
| Ball - D_w | 5.556 mm |
| Ball - z | 28 |
| G_{ref} | 2.58 cm ³ |
| 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_b min. | 59.6 mm |
| D_a max. | 75.4 mm |
| D_b max. | 78 mm |
| r_a max. | 1 mm |
| r_b max. | 0.3 mm |
| d_n | 64.8 mm |



BEARING-MALAYSIA SDN.BHD.

| | |
|--|----------------------|
| Basic dynamic load rating C | 13.5 kN |
| 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 |
| Attainable speed for oil-air lubrication | 43000 r/min |
| Ball diameter D_w | 5.556 mm |
| Number of balls z | 28 |
| Reference grease quantity G_{ref} | 2.58 cm ³ |
| 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 | 0.17 kg |