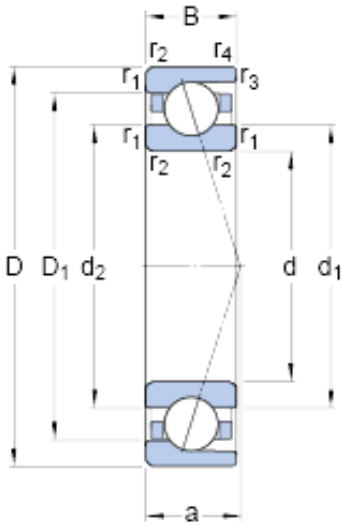




BEARING MANUFACTURING DE MEXICO, S.A.D...



85 mm x 110 mm x 13 mm SKF 71817 ACD/HCP4 angular contact ball bearings

Bearing No. 71817 ACD/HCP4

71817 ACD/HCP4 Bearing 2D drawings and 3D CAD models

| | |
|---|--------------|
| Size | 110x85x13 mm |
| Bore Diameter | 110 mm |
| Outer Diameter | 85 mm |
| Width | 13 mm |
| d | 85 mm |
| D | 110 mm |
| B | 13 mm |
| d ₁ | 93.2 mm |
| d ₂ | 93.2 mm |
| D ₁ | 102.1 mm |
| r _{1,2} - min. | 1 mm |
| r _{3,4} - min. | 0.3 mm |
| a | 29.3 mm |
| d _a - min. | 89.6 mm |
| d _b - min. | 89.6 mm |
| D _a - max. | 105.4 mm |
| D _b - max. | 108 mm |
| r _a - max. | 1 mm |
| r _b - max. | 0.3 mm |
| d _n | 94.1 mm |
| Basic dynamic load rating - C | 20.3 kN |
| Basic static load rating - C ₀ | 24 kN |
| Fatigue load limit - P _u | 1 kN |
| Limiting speed for grease | 12000 r/min |



BEARING MANUFACTURING DE MEXICO,S.A.D...

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|------------------------------------|---------------------|
| Lubrication | |
| Limiting speed for oil lubrication | 19000 mm/min |
| Ball - D_w | 7.144 mm |
| Ball - z | 30 |
| G_{ref} | 2.7 cm ³ |
| Calculation factor - e | 0.68 |
| Calculation factor - Y_2 | 0.87 |
| Calculation factor - Y_0 | 0.38 |
| Calculation factor - X_2 | 0.41 |
| Calculation factor - Y_1 | 0.92 |
| Calculation factor - Y_2 | 1.41 |
| Calculation factor - Y_0 | 0.76 |
| Calculation factor - X_2 | 0.67 |
| Preload class A - G_A | 183 N |
| Preload class B - G_B | 550 N |
| Preload class C - G_C | 1100 N |
| Calculation factor - f | 1.31 |
| Calculation factor - f_1 | 0.97 |
| Calculation factor - f_{2A} | 1 |
| Calculation factor - f_{2B} | 1.09 |
| Calculation factor - f_{2C} | 1.17 |
| Calculation factor - f_{HC} | 1.02 |
| Preload class A | 209 N/micron |
| Preload class B | 328 N/micron |
| Preload class C | 451 N/micron |
| d_1 | 93.2 mm |
| d_2 | 93.2 mm |
| D_1 | 102.1 mm |
| $r_{1,2}$ min. | 1 mm |



BEARING MANUFACTURING DE MEXICO, S.A.D...

| | |
|--|---------------------|
| $r_{3,4}$ min. | 0.3 mm |
| d_a min. | 89.6 mm |
| d_b min. | 89.6 mm |
| D_a max. | 105.4 mm |
| D_b max. | 108 mm |
| r_a max. | 1 mm |
| r_b max. | 0.3 mm |
| d_n | 94.1 mm |
| Basic dynamic load rating C | 20.3 kN |
| Basic static load rating C_0 | 24 kN |
| Fatigue load limit P_u | 1.02 kN |
| Attainable speed for grease lubrication | 12000 r/min |
| Attainable speed for oil-air lubrication | 19000 r/min |
| Ball diameter D_w | 7.144 mm |
| Number of balls z | 30 |
| Reference grease quantity G_{ref} | 2.7 cm ³ |
| Preload class A G_A | 183 N |
| Static axial stiffness, preload class A | 209 N/ μ m |
| Preload class B G_B | 550 N |
| Static axial stiffness, preload class B | 328 N/ μ m |
| Preload class C G_C | 1100 N |
| Static axial stiffness, preload class C | 451 N/ μ m |
| Calculation factor f | 1.31 |
| Calculation factor f_1 | 0.97 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{2B} | 1.09 |
| Calculation factor f_{2C} | 1.17 |
| Calculation factor f_{HC} | 1.02 |



BEARING MANUFACTURING DE MEXICO,S.A.D...

| | |
|---|---------|
| Calculation factor e | 0.68 |
| Calculation factor (single, tandem) Y_2 | 0.87 |
| Calculation factor (single, tandem) Y_0 | 0.38 |
| Calculation factor (single, tandem) X_2 | 0.41 |
| Calculation factor (back-to-back, face-to-face) Y_1 | 0.92 |
| Calculation factor (back-to-back, face-to-face) Y_2 | 1.41 |
| Calculation factor (back-to-back, face-to-face) Y_0 | 0.76 |
| Calculation factor (back-to-back, face-to-face) X_2 | 0.67 |
| Mass bearing | 0.24 kg |