



Bearing No. 7006 ACB/HCP4A

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| D | 55 mm |
| d | 30 mm |
| B | 13 mm |
| a | 16.5 mm |
| Ball - z | 20 |
| Size (mm) | 55x30x13 |
| Width (mm) | 13 |
| Mass bearing | 0.13 kg |
| d_n | 40 mm |
| d_n | 40 mm |
| D_2 | 47.25 mm |
| d_1 | 39.45 mm |
| d_2 | 38.3 mm |
| D_2 | 47.25 mm |
| d_2 | 38.3 mm |
| d_1 | 39.45 mm |
| Bearing number | 7006 ACB/HCP4A |
| Preload class A | 64 N/micron |
| G_{ref} | 1.4 cm ³ |
| Preload class C | 124 N/micron |
| Preload class B | 82 N/micron |
| Number of balls z | 20 |
| Bore Diameter (mm) | 55 |
| r_b max. | 0.6 mm |
| r_a max. | 1 mm |
| D_b max. | 51.8 mm |
| D_a max. | 50.4 mm |
| d_a min. | 34.6 mm |
| d_b min. | 34.6 mm |
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| Outer Diameter (mm) | 30 |
| D_b - max. | 51.8 mm |
| d_a - min. | 34.6 mm |
| Calculation factor e | 0.68 |
| Calculation factor f | 1.03 |
| r_b - max. | 0.6 mm |
| D_a - max. | 50.4 mm |
| r_a - max. | 1 mm |
| $r_{3,4}$ min. | 0.6 mm |
| $r_{1,2}$ min. | 1 mm |
| Ball - D_w | 4.762 mm |
| d_b - min. | 34.6 mm |
| $r_{1,2}$ - min. | 1 mm |
| $r_{3,4}$ - min. | 0.6 mm |
| Calculation factor - e | 0.68 |
| Calculation factor - f | 1.03 |
| Basic dynamic load rating C | 8.32 kN |
| Ball diameter D_w | 4.762 mm |
| Preload class B G_B | 72 N |
| Preload class C G_C | 215 N |
| Basic dynamic load rating - C | 6.2 kN |
| Preload class A G_A | 36 N |
| Preload class B - G_B | 72 N |
| Preload class C - G_C | 215 N |
| Preload class A - G_A | 36 N |
| Fatigue load limit P_u | 0.166 kN |
| Calculation factor f_1 | 0.99 |
| Calculation factor f_{2C} | 1.05 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{HC} | 1.01 |
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| Calculation factor f_{2B} | 1.02 |
| Limiting speed for oil lubrication | 60000 mm/min |
| Fatigue load limit - P_u | 0.166 kN |
| Calculation factor - f_1 | 0.99 |
| Calculation factor - Y_2 | 1.41 |
| Calculation factor - X_2 | 0.67 |
| Calculation factor - Y_1 | 0.92 |
| Calculation factor - Y_0 | 0.76 |
| Calculation factor - f_{HC} | 1.01 |
| Calculation factor - f_{2A} | 1 |
| Calculation factor - f_{2C} | 1.05 |
| Calculation factor - f_{2B} | 1.02 |
| Limiting speed for grease lubrication | 40000 r/min |
| Basic static load rating C_0 | 6.7 kN |
| Static axial stiffness, preload class B | 82 N/ μ m |
| Static axial stiffness, preload class A | 64 N/ μ m |
| Attainable speed for grease lubrication | 40000 r/min |
| Static axial stiffness, preload class C | 124 N/ μ m |
| Basic static load rating - C_0 | 3.9 kN |
| Attainable speed for oil-air lubrication | 60000 r/min |
| Reference grease quantity G_{ref} | 1.4 cm ³ |
| Calculation factor (single, tandem) Y_2 | 0.87 |
| Calculation factor | 0.38 |

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| (single, tandem) Y_0 | |
| 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 |