



Bearing No. S7207 ACD/HCP4A

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| D | 72 mm |
| d | 35 mm |
| B | 17 mm |
| a | 21.1 mm |
| Ball - z | 13 |
| Size (mm) | 72x35x17 |
| Width (mm) | 17 |
| Mass bearing | 0.24 kg |
| D ₂ | 63.2 mm |
| d ₂ | 46.8 mm |
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| D ₂ | 63.2 mm |
| d ₁ | 46.8 mm |
| Bearing number | S7207 ACD/HCP4A |
| Preload class B | 171 N/micron |
| Preload class A | 132 N/micron |
| Preload class D | 305 N/micron |
| Preload class C | 227 N/micron |
| Number of balls z | 13 |
| r _b max. | 0.3 mm |
| r _a max. | 1 mm |
| D _b max. | 69.6 mm |
| D _a max. | 65 mm |
| d _b max. | 46.2 mm |
| d _b min. | 42 mm |
| d _a max. | 46.2 mm |
| Bore Diameter (mm) | 72 |
| d _a min. | 42 mm |
| Outer Diameter (mm) | 35 |

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| d_a - max. | 46.2 mm |
| d_a - min. | 42 mm |
| Calculation factor e | 0.68 |
| Calculation factor f | 1.05 |
| d_b - max. | 46.2 mm |
| D_b - max. | 69.6 mm |
| r_a - max. | 1 mm |
| r_b - max. | 0.3 mm |
| d_b - min. | 42 mm |
| $r_{3,4}$ min. | 0.3 mm |
| $r_{1,2}$ min. | 1.1 mm |
| Ball - D_w | 11.112 mm |
| D_a - max. | 65 mm |
| $r_{3,4}$ - min. | 0.3 mm |
| $r_{1,2}$ - min. | 1.1 mm |
| Calculation factor - f | 1.05 |
| Calculation factor - e | 0.68 |
| Ball diameter D_w | 11.112 mm |
| Basic dynamic load rating C | 30.7 kN |
| Preload class A G_A | 190 N |
| Basic dynamic load rating - C | 30.7 kN |
| Preload class B G_B | 380 N |
| Preload class C G_C | 760 N |
| Preload class D G_D | 1520 N |
| Preload class B - G_B | 380 N |
| Preload class C - G_C | 760 N |
| Preload class A - G_A | 190 N |
| Preload class D - G_D | 1520 N |
| Calculation factor f_1 | 0.99 |
| Fatigue load limit P_u | 0.88 kN |

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| Calculation factor f_{2A} | 1 |
| Calculation factor f_{2B} | 1.01 |
| Calculation factor f_{2C} | 1.03 |
| Calculation factor f_{2D} | 1.06 |
| Calculation factor f_{HC} | 1.01 |
| Calculation factor - X_2 | 0.67 |
| Calculation factor - Y_1 | 0.92 |
| Calculation factor - Y_2 | 1.41 |
| Fatigue load limit - P_u | 0.88 kN |
| Calculation factor - Y_0 | 0.76 |
| Calculation factor - f_1 | 0.99 |
| Calculation factor - f_{HC} | 1.01 |
| Calculation factor - f_{2D} | 1.06 |
| Calculation factor - f_{2C} | 1.03 |
| Calculation factor - f_{2B} | 1.01 |
| Calculation factor - f_{2A} | 1 |
| Limiting speed for grease lubrication | 20000 r/min |
| Basic static load rating C_0 | 20.8 kN |
| Static axial stiffness, preload class D | 305 N/ μ m |
| Attainable speed for grease lubrication | 20000 r/min |
| Static axial stiffness, preload class C | 227 N/ μ m |
| Static axial stiffness, preload class B | 171 N/ μ m |
| Static axial stiffness, preload class A | 132 N/ μ m |
| Basic static load rating - C_0 | 20.8 kN |
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| 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 |