



Bearing No. 71800 CD/P4

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| D | 19 mm |
| d | 10 mm |
| B | 5 mm |
| a | 4.5 mm |
| Ball - z | 12 |
| Size (mm) | 19x10x5 |
| Width (mm) | 5 |
| Mass bearing | 0.005 kg |
| d _n | 13.4 mm |
| d _n | 13.4 mm |
| D ₁ | 16.1 mm |
| d ₁ | 13.1 mm |
| d ₂ | 13.1 mm |
| D ₁ | 16.1 mm |
| d ₂ | 13.1 mm |
| d ₁ | 13.1 mm |
| Bearing number | 71800 CD/P4 |
| Preload class A | 13 N/micron |
| Preload class B | 22 N/micron |
| Preload class C | 32 N/micron |
| G _{ref} | 0.06 cm ³ |
| Number of balls z | 12 |
| D _a max. | 17 mm |
| d _a min. | 12 mm |
| d _b min. | 12 mm |
| D _b max. | 18.2 mm |
| r _a max. | 0.3 mm |
| r _b max. | 0.15 mm |
| Bore Diameter (mm) | 19 |
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| Outer Diameter (mm) | 10 |
| d_a - min. | 12 mm |
| r_a - max. | 0.3 mm |
| $r_{1,2}$ min. | 0.3 mm |
| Calculation factor f | 1.05 |
| D_b - max. | 18.2 mm |
| $r_{3,4}$ min. | 0.15 mm |
| r_b - max. | 0.15 mm |
| D_a - max. | 17 mm |
| Ball - D_w | 2.381 mm |
| d_b - min. | 12 mm |
| Calculation factor - f | 1.05 |
| $r_{3,4}$ - min. | 0.15 mm |
| $r_{1,2}$ - min. | 0.3 mm |
| Basic dynamic load rating C | 1.9 kN |
| Ball diameter D_w | 2.381 mm |
| Preload class B G_B | 30 N |
| Preload class A G_A | 10 N |
| Basic dynamic load rating - C | 1.9 kN |
| Preload class C G_C | 60 N |
| Preload class A - G_A | 10 N |
| Preload class C - G_C | 60 N |
| Preload class B - G_B | 30 N |
| Calculation factor f_1 | 1 |
| Fatigue load limit P_u | 0.043 kN |
| Calculation factor f_0 | 15 |
| Calculation factor f_{2C} | 1.16 |
| Calculation factor f_{2B} | 1.09 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{HC} | 1 |
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| Calculation factor - f | 1 |
| Fatigue load limit - P_u | 0.043 kN |
| Calculation factor - f_0 | 15 |
| Limiting speed for oil lubrication | 120000 mm/min |
| Calculation factor - f_{2B} | 1.09 |
| Calculation factor - f_{2A} | 1 |
| Calculation factor - f_{2C} | 1.16 |
| Calculation factor - f_{HC} | 1 |
| Limiting speed for grease lubrication | 80000 r/min |
| Basic static load rating C_0 | 0.98 kN |
| Static axial stiffness, preload class A | 13 N/ μ m |
| Static axial stiffness, preload class B | 22 N/ μ m |
| Static axial stiffness, preload class C | 32 N/ μ m |
| Attainable speed for grease lubrication | 80000 r/min |
| Attainable speed for oil-air lubrication | 120000 r/min |
| Basic static load rating - C_0 | 0.98 kN |
| Reference grease quantity G_{ref} | 0.06 cm ³ |