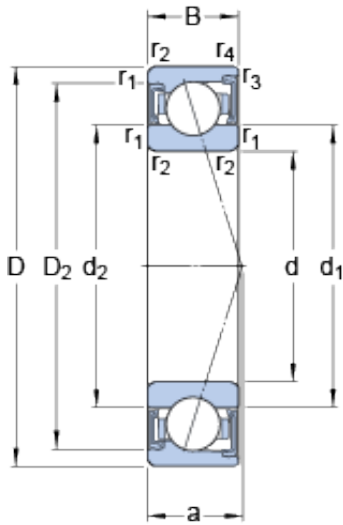




Xili Bearing Co., Ltd

80 mm x 110 mm x 16 mm SKF S71916 ACD/HCP4A angular contact ball bearings

Bearing No. S71916 ACD/HCP4A



S71916 ACD/HCP4A Bearing 2D drawings and 3D CAD models

| | |
|---|--------------|
| Size | 110x80x16 mm |
| Bore Diameter | 110 mm |
| Outer Diameter | 80 mm |
| Width | 16 mm |
| d | 80 mm |
| D | 110 mm |
| B | 16 mm |
| d ₁ | 89.2 mm |
| d ₂ | 89.2 mm |
| D ₂ | 103.74 mm |
| r _{1,2} - min. | 1 mm |
| r _{3,4} - min. | 0.3 mm |
| a | 30.2 mm |
| d _a - min. | 84.6 mm |
| d _a - max. | 88.6 mm |
| d _b - min. | 84.6 mm |
| d _b - max. | 88.6 mm |
| D _a - max. | 105 mm |
| D _b - max. | 108 mm |
| r _a - max. | 1 mm |
| r _b - max. | 0.3 mm |
| Basic dynamic load rating - C | 34.5 kN |
| Basic static load rating - C ₀ | 36.5 kN |
| Fatigue load limit - P _u | 1.6 kN |



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| | |
|---------------------------------------|--------------|
| Limiting speed for grease lubrication | 12000 r/min |
| Ball - D_w | 9.525 mm |
| Ball - z | 27 |
| 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 | 220 N |
| Preload class B - G_B | 440 N |
| Preload class C - G_C | 880 N |
| Preload class D - G_D | 1760 N |
| Calculation factor - f | 1.24 |
| Calculation factor - f_1 | 0.98 |
| Calculation factor - f_{2A} | 1 |
| Calculation factor - f_{2B} | 1.07 |
| Calculation factor - f_{2C} | 1.12 |
| Calculation factor - f_{2D} | 1.17 |
| Calculation factor - f_{HC} | 1.04 |
| Preload class A | 226 N/micron |
| Preload class B | 296 N/micron |
| Preload class C | 397 N/micron |
| Preload class D | 544 N/micron |
| d_1 | 89.2 mm |
| d_2 | 89.2 mm |
| D_2 | 103.74 mm |



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| | |
|---|----------------|
| $r_{1,2}$ min. | 1 mm |
| $r_{3,4}$ min. | 0.3 mm |
| d_a min. | 84.6 mm |
| d_a max. | 88.6 mm |
| d_b min. | 84.6 mm |
| d_b max. | 88.6 mm |
| D_a max. | 105 mm |
| D_b max. | 108 mm |
| r_a max. | 1 mm |
| r_b max. | 0.3 mm |
| Basic dynamic load rating C | 34.5 kN |
| Basic static load rating C_0 | 36.5 kN |
| Fatigue load limit P_u | 1.56 kN |
| Attainable speed for grease lubrication | 12000 r/min |
| Ball diameter D_w | 9.525 mm |
| Number of balls z | 27 |
| Preload class A G_A | 220 N |
| Static axial stiffness, preload class A | 226 N/ μ m |
| Preload class B G_B | 440 N |
| Static axial stiffness, preload class B | 296 N/ μ m |
| Preload class C G_C | 880 N |
| Static axial stiffness, preload class C | 397 N/ μ m |
| Preload class D G_D | 1760 N |
| Static axial stiffness, preload class D | 544 N/ μ m |
| Calculation factor f | 1.24 |
| Calculation factor f_1 | 0.98 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{2B} | 1.07 |
| Calculation factor f_{2C} | 1.12 |



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| | |
|---|---------|
| Calculation factor f_{2D} | 1.17 |
| Calculation factor f_{HC} | 1.04 |
| 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 | 0.32 kg |