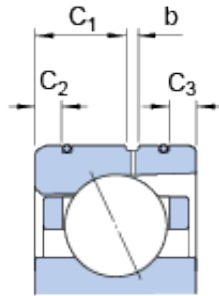
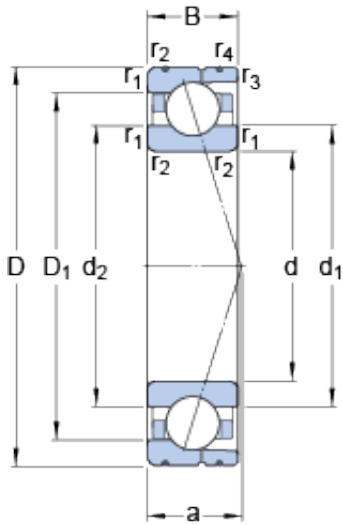




Xili Bearing Co., Ltd



75 mm x 115 mm x 20 mm SKF 7015 CD/P4AL angular contact ball bearings

Bearing No. 7015 CD/P4AL

7015 CD/P4AL Bearing 2D drawings and 3D CAD models

| | |
|-------------------------|--------------|
| Size | 115x75x20 mm |
| Bore Diameter | 115 mm |
| Outer Diameter | 75 mm |
| Width | 20 mm |
| d | 75 mm |
| D | 115 mm |
| B | 20 mm |
| d ₁ | 87.3 mm |
| d ₂ | 87.3 mm |
| D ₁ | 102.7 mm |
| b | 1.8 mm |
| C ₁ | 10.9 mm |
| C ₂ | 3.9 mm |
| C ₃ | 3.4 mm |
| r _{1,2} - min. | 1.1 mm |
| r _{3,4} - min. | 0.6 mm |
| a | 22.8 mm |
| d _a - min. | 81 mm |
| d _b - min. | 81 mm |
| D _a - max. | 109 mm |
| D _b - max. | 111 mm |
| r _a - max. | 1 mm |
| r _b - max. | 0.6 mm |
| d _n | 90 mm |
| | |



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| | |
|---|---------------------|
| Basic dynamic load rating - C | 52.7 kN |
| Basic static load rating - C ₀ | 49 kN |
| Fatigue load limit - P _u | 2.1 kN |
| Limiting speed for grease lubrication | 11000 r/min |
| Limiting speed for oil lubrication | 18000 mm/min |
| Ball - D _w | 12.7 mm |
| Ball - z | 20 |
| G _{ref} | 8.4 cm ³ |
| Calculation factor - f ₀ | 15.7 |
| Preload class A - G _A | 200 N |
| Preload class B - G _B | 400 N |
| Preload class C - G _C | 800 N |
| Preload class D - G _D | 1600 N |
| Calculation factor - f | 1.14 |
| Calculation factor - f | 1 |
| Calculation factor - f _{2A} | 1 |
| Calculation factor - f _{2B} | 1.02 |
| Calculation factor - f _{2C} | 1.05 |
| Calculation factor - f _{2D} | 1.09 |
| Calculation factor - f _{HC} | 1 |
| Preload class A | 84 N/micron |
| Preload class B | 115 N/micron |
| Preload class C | 162 N/micron |
| Preload class D | 235 N/micron |
| d ₁ | 87.3 mm |
| d ₂ | 87.3 mm |
| D ₁ | 102.7 mm |
| C ₁ | 10.9 mm |



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| | |
|--|---------------------|
| C_2 | 3.9 mm |
| C_3 | 3.4 mm |
| $r_{1,2}$ min. | 1.1 mm |
| $r_{3,4}$ min. | 0.6 mm |
| d_a min. | 81 mm |
| d_b min. | 81 mm |
| D_a max. | 109 mm |
| D_b max. | 111 mm |
| r_a max. | 1 mm |
| r_b max. | 0.6 mm |
| d_n | 90 mm |
| Basic dynamic load rating C | 52.7 kN |
| Basic static load rating C_0 | 49 kN |
| Fatigue load limit P_u | 2.08 kN |
| Attainable speed for grease lubrication | 11000 r/min |
| Attainable speed for oil-air lubrication | 18000 r/min |
| Ball diameter D_w | 12.7 mm |
| Number of balls z | 20 |
| Reference grease quantity G_{ref} | 8.4 cm ³ |
| Preload class A G_A | 200 N |
| Static axial stiffness, preload class A | 84 N/ μ m |
| Preload class B G_B | 400 N |
| Static axial stiffness, preload class B | 115 N/ μ m |
| Preload class C G_C | 800 N |
| Static axial stiffness, preload class C | 162 N/ μ m |
| Preload class D G_D | 1600 N |
| Static axial stiffness, preload class D | 235 N/ μ m |
| | |



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| | |
|-----------------------------|---------|
| Calculation factor f | 1.14 |
| Calculation factor f_1 | 1 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{2B} | 1.02 |
| Calculation factor f_{2C} | 1.05 |
| Calculation factor f_{2D} | 1.09 |
| Calculation factor f_{HC} | 1 |
| Calculation factor f_0 | 15.7 |
| Mass bearing | 0.63 kg |