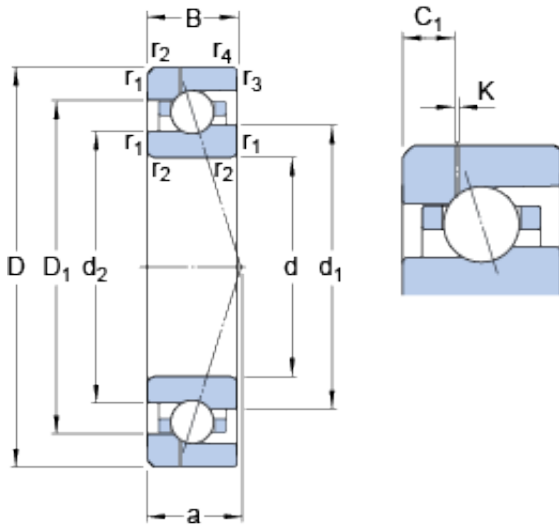




NTL BEARINGS LTD.



7015 CE/HCP4AH1 SKF High Speed Angular Contact Ball Bearings

Bearing No. 7015 CE/HCP4AH1

7015 CE/HCP4AH1 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 | 89.28 mm |
| d ₂ | 86.8 mm |
| D ₁ | 100.72 mm |
| K | 0.5 mm |
| C ₁ | 6.73 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. | 110.8 mm |
| r _a - max. | 1 mm |
| r _b - max. | 0.6 mm |
| d _n | 91.5 mm |
| Basic dynamic load rating - C | 26 kN |
| Basic static load rating - C ₀ | 21.6 kN |



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| | |
|---------------------------------------|---------------------|
| Fatigue load limit - P_u | 0.915 kN |
| Limiting speed for grease lubrication | 19000 r/min |
| Limiting speed for oil lubrication | 29000 mm/min |
| Ball - D_w | 9.525 mm |
| Ball - z | 26 |
| G_{ref} | 8.6 cm ³ |
| Calculation factor - f_0 | 9.5 |
| Preload class A - G_A | 140 N |
| Preload class B - G_B | 420 N |
| Preload class C - G_C | 840 N |
| Calculation factor - f | 1.1 |
| Calculation factor - f | 1 |
| Calculation factor - f_{2A} | 1 |
| Calculation factor - f_{2B} | 1.03 |
| Calculation factor - f_{2C} | 1.05 |
| Calculation factor - f_{HC} | 1.01 |
| Preload class A | 72 N/micron |
| Preload class B | 113 N/micron |
| Preload class C | 156 N/micron |
| d_1 | 89.28 mm |
| d_2 | 86.8 mm |
| D_1 | 100.72 mm |
| C_1 | 6.73 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. | 110.8 mm |



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| | |
|--|---------------------|
| r_a max. | 1 mm |
| r_b max. | 0.6 mm |
| d_n | 91.5 mm |
| Basic dynamic load rating C | 26 kN |
| Basic static load rating C_0 | 21.6 kN |
| Fatigue load limit P_u | 0.915 kN |
| Attainable speed for grease lubrication | 19000 r/min |
| Attainable speed for oil-air lubrication | 29000 r/min |
| Ball diameter D_w | 9.525 mm |
| Number of balls z | 26 |
| Reference grease quantity G_{ref} | 8.6 cm ³ |
| Preload class A G_A | 140 N |
| Static axial stiffness, preload class A | 72 N/ μ m |
| Preload class B G_B | 420 N |
| Static axial stiffness, preload class B | 113 N/ μ m |
| Preload class C G_C | 840 N |
| Static axial stiffness, preload class C | 156 N/ μ m |
| Calculation factor f | 1.1 |
| Calculation factor f_1 | 1 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{2B} | 1.03 |
| Calculation factor f_{2C} | 1.05 |
| Calculation factor f_{HC} | 1.01 |
| Calculation factor f_0 | 9.5 |
| Mass bearing | 0.59 kg |