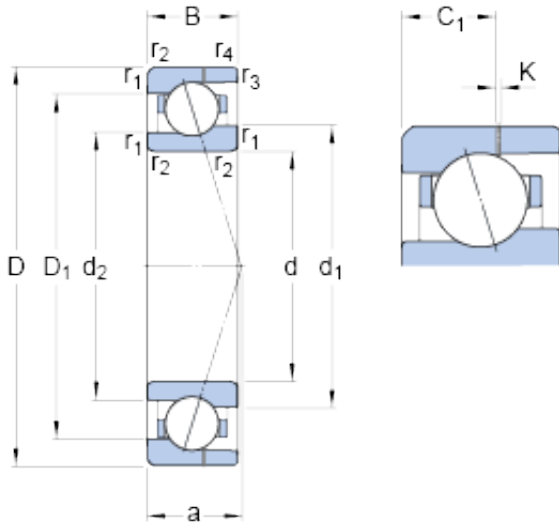




WUXI IKC MACHINERY BEARING CO., LTD.



12 mm x 24 mm x 6 mm SKF 71901 ACE/HCP4AH angular contact ball bearings

Bearing No. 71901 ACE/HCP4AH

71901 ACE/HCP4AH Bearing 2D drawings and 3D CAD models

| | |
|---|------------|
| Size | 24x12x6 mm |
| Bore Diameter | 12 mm |
| Outer Diameter | 24 mm |
| Width | 6 mm |
| d | 12 mm |
| D | 24 mm |
| B | 6 mm |
| d ₁ | 16 mm |
| d ₂ | 15.26 mm |
| D ₁ | 19.95 mm |
| K | 0.5 mm |
| C ₁ | 3.65 mm |
| r _{1,2} - min. | 0.3 mm |
| r _{3,4} - min. | 0.15 mm |
| a | 7.7 mm |
| d _a - min. | 14 mm |
| d _b - min. | 14 mm |
| D _a - max. | 22 mm |
| D _b - max. | 23.2 mm |
| r _a - max. | 0.3 mm |
| r _b - max. | 0.15 mm |
| d _n | 16.8 mm |
| Basic dynamic load rating - C | 2 kN |
| Basic static load rating - C ₀ | 0.865 kN |



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| | |
|---------------------------------------|---------------------|
| Fatigue load limit - P_u | 0.036 kN |
| Limiting speed for grease lubrication | 98000 r/min |
| Limiting speed for oil lubrication | 150000 mm/min |
| Ball - D_w | 3.175 mm |
| Ball - z | 12 |
| G_{ref} | 0.1 cm ³ |
| 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 | 18 N |
| Preload class B - G_B | 55 N |
| Preload class C - G_C | 110 N |
| Calculation factor - f | 1.04 |
| Calculation factor - f_1 | 0.98 |
| Calculation factor - f_{2A} | 1 |
| Calculation factor - f_{2B} | 1.04 |
| Calculation factor - f_{2C} | 1.08 |
| Calculation factor - f_{HC} | 1.01 |
| Preload class A | 30 N/micron |
| Preload class B | 45 N/micron |
| Preload class C | 59 N/micron |
| d_1 | 16 mm |
| d_2 | 15.26 mm |



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| | |
|--|---------------------|
| D_1 | 19.95 mm |
| C_1 | 3.65 mm |
| $r_{1,2}$ min. | 0.3 mm |
| $r_{3,4}$ min. | 0.15 mm |
| d_a min. | 14 mm |
| d_b min. | 14 mm |
| D_a max. | 22 mm |
| D_b max. | 23.2 mm |
| r_a max. | 0.3 mm |
| r_b max. | 0.15 mm |
| d_n | 16.8 mm |
| Basic dynamic load rating C | 2.03 kN |
| Basic static load rating C_0 | 0.865 kN |
| Fatigue load limit P_u | 0.036 kN |
| Attainable speed for grease lubrication | 98000 r/min |
| Attainable speed for oil-air lubrication | 150000 r/min |
| Ball diameter D_w | 3.175 mm |
| Number of balls z | 12 |
| Reference grease quantity G_{ref} | 0.1 cm ³ |
| Preload class A G_A | 18 N |
| Static axial stiffness, preload class A | 30 N/ μ m |
| Preload class B G_B | 55 N |
| Static axial stiffness, preload class B | 45 N/ μ m |
| Preload class C G_C | 110 N |
| Static axial stiffness, preload class C | 59 N/ μ m |
| Calculation factor f | 1.04 |
| Calculation factor f_1 | 0.98 |
| Calculation factor f_{2A} | 1 |



WUXI IKC MACHINERY BEARING CO., LTD.

| | |
|---|----------|
| Calculation factor f_{2B} | 1.04 |
| Calculation factor f_{2C} | 1.08 |
| Calculation factor f_{HC} | 1.01 |
| 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 | 0.009 kg |