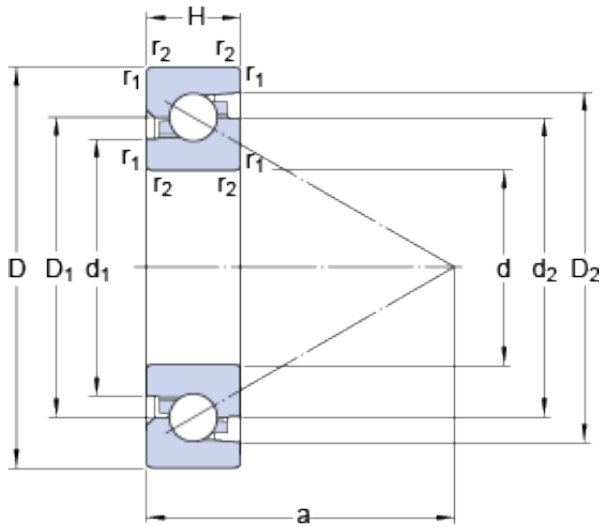




UGE BEARING INDUSTRIAL CO., LTD.



SKF BSA 306 C Special design 60 ° contact angle Precision Bearings

Bearing No. BSA 306 C

BSA 306 C Bearing 2D drawings and 3D CAD models

| | |
|---|-------------|
| Size | 30x72x19 mm |
| Bore Diameter | 30 mm |
| Outer Diameter | 72 mm |
| Width | 19 mm |
| d | 30 mm |
| D | 72 mm |
| H | 19 mm |
| d ₁ | 43.99 mm |
| d ₂ | 51 mm |
| D ₁ | 51.1 mm |
| D ₂ | 59.46 mm |
| r _{1,2} - min. | 1 mm |
| a | 57 mm |
| d _a - min. | 40 mm |
| d _b - min. | 40 mm |
| D _a - max. | 65.5 mm |
| D _b - max. | 65.5 mm |
| r _a - max. | 1 mm |
| Basic dynamic load rating - C | 41.5 kN |
| Basic static load rating - C ₀ | 104 kN |
| Fatigue load limit - P _u | 3.9 kN |
| Limiting speed for grease lubrication | 7000 r/min |
| Limiting speed for oil | 9500 mm/min |



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|--|---------------------|
| Lubrication | |
| Preload class A | 3000 N |
| Preload class B | 6000 N |
| Frictional moment, Preload class A | 0.175 N · m |
| Frictional moment, Preload class B | 0.32 N · m |
| Static Axial rigidity, Preload class A | 1010 N/micron |
| Static Axial rigidity, Preload class B | 1280 N/micron |
| Max. axial load - F_a | max. 46 kN |
| G_{ref} | 3.5 cm ³ |
| d_1 | 43.99 mm |
| d_2 | 51 mm |
| D_1 | 51.1 mm |
| D_2 | 59.46 mm |
| $r_{1,2}$ min. | 1 mm |
| d_a min. | 40 mm |
| d_b min. | 40 mm |
| D_a max. | 65.5 mm |
| D_b max. | 65.5 mm |
| r_a max. | 1 mm |
| Basic dynamic load rating C | 41.5 kN |
| Basic static load rating C_0 | 104 kN |
| Fatigue load limit P_u | 3.9 kN |
| Attainable speed for grease lubrication | 7000 r/min |
| Attainable speed for oil-air lubrication | 9500 r/min |
| Frictional moment, preload class A | 0.175 N · m |
| Frictional moment, preload class B | 0.32 N · m |
| | |



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|--|---------------------|
| Static axial stiffness, preload A | 1010 N/ μ m |
| Static axial stiffness, preload B | 1280 N/ μ m |
| Maximum axial load carrying capacity F_a max. | 46 kN |
| Reference grease quantity G_{ref} | 3.5 cm ³ |
| Mass bearing | 0.41 kg |