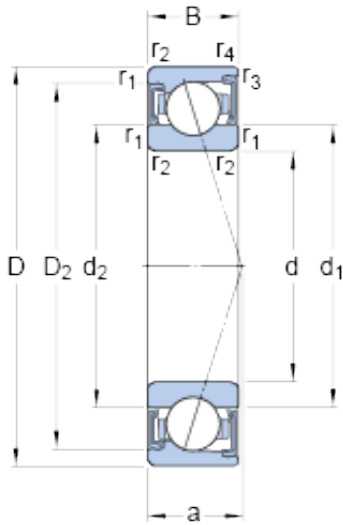




Bearing Driveshaft do Brasil



17 mm x 30 mm x 7 mm SKF S71903 CD/P4A
angular contact ball bearings

Bearing No. S71903 CD/P4A

S71903 CD/P4A Bearing 2D drawings and 3D CAD models

| | |
|---|------------|
| Size | 30x17x7 mm |
| Bore Diameter | 30 mm |
| Outer Diameter | 17 mm |
| Width | 7 mm |
| d | 17 mm |
| D | 30 mm |
| B | 7 mm |
| d ₁ | 20.9 mm |
| d ₂ | 20.9 mm |
| D ₂ | 27.8 mm |
| r _{1,2} - min. | 0.3 mm |
| r _{3,4} - min. | 0.2 mm |
| a | 6.7 mm |
| d _a - min. | 19 mm |
| d _a - max. | 20.5 mm |
| d _b - min. | 19 mm |
| d _b - max. | 20.5 mm |
| D _a - max. | 28 mm |
| D _b - max. | 28.6 mm |
| r _a - max. | 0.3 mm |
| r _b - max. | 0.2 mm |
| Basic dynamic load rating - C | 4.2 kN |
| Basic static load rating - C ₀ | 2.1 kN |
| Fatigue load limit - P _u | 0.088 kN |



Bearing Driveshaft do Brasil

| | |
|---------------------------------------|-------------|
| Limiting speed for grease lubrication | 50000 r/min |
| Ball - D_w | 3.969 mm |
| Ball - z | 14 |
| Calculation factor - f_0 | 9.8 |
| Preload class A - G_A | 15 N |
| Preload class B - G_B | 30 N |
| Preload class C - G_C | 60 N |
| Preload class D - G_D | 120 N |
| Calculation factor - f | 1.05 |
| Calculation factor - f | 1 |
| Calculation factor - f_{2A} | 1 |
| Calculation factor - f_{2B} | 1.04 |
| Calculation factor - f_{2C} | 1.09 |
| Calculation factor - f_{2D} | 1.15 |
| Calculation factor - f_{HC} | 1 |
| Preload class A | 16 N/micron |
| Preload class B | 22 N/micron |
| Preload class C | 30 N/micron |
| Preload class D | 43 N/micron |
| d_1 | 20.9 mm |
| d_2 | 20.9 mm |
| D_2 | 27.8 mm |
| $r_{1,2}$ min. | 0.3 mm |
| $r_{3,4}$ min. | 0.2 mm |
| d_a min. | 19 mm |
| d_a max. | 20.5 mm |
| d_b min. | 19 mm |
| d_b max. | 20.5 mm |
| D_a max. | 28 mm |
| D_b max. | 28.6 mm |



Bearing Driveshaft do Brasil

| | |
|---|---------------|
| r_a max. | 0.3 mm |
| r_b max. | 0.2 mm |
| Basic dynamic load rating C | 4.16 kN |
| Basic static load rating C_0 | 2.08 kN |
| Fatigue load limit P_u | 0.088 kN |
| Attainable speed for grease lubrication | 50000 r/min |
| Ball diameter D_w | 3.969 mm |
| Number of balls z | 14 |
| Preload class A G_A | 15 N |
| Static axial stiffness, preload class A | 16 N/ μ m |
| Preload class B G_B | 30 N |
| Static axial stiffness, preload class B | 22 N/ μ m |
| Preload class C G_C | 60 N |
| Static axial stiffness, preload class C | 30 N/ μ m |
| Preload class D G_D | 120 N |
| Static axial stiffness, preload class D | 43 N/ μ m |
| Calculation factor f | 1.05 |
| Calculation factor f_1 | 1 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{2B} | 1.04 |
| Calculation factor f_{2C} | 1.09 |
| Calculation factor f_{2D} | 1.15 |
| Calculation factor f_{HC} | 1 |
| Calculation factor f_0 | 9.8 |
| Mass bearing | 0.017 kg |