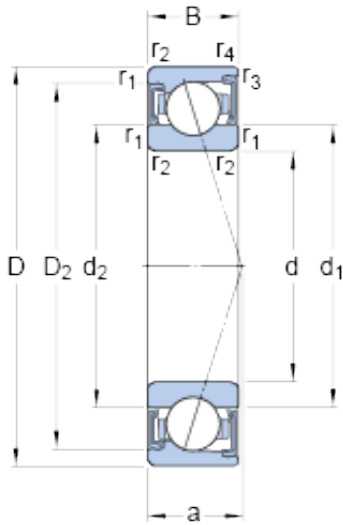




Bearing de Mexico, S.A.



S71918 ACD/HCP4A Bearing 2D drawings and 3D CAD models

90 mm x 125 mm x 18 mm SKF S71918 ACD/HCP4A angular contact ball bearings

Bearing No. S71918 ACD/HCP4A

| | |
|---|--------------|
| Size | 125x90x18 mm |
| Bore Diameter | 125 mm |
| Outer Diameter | 90 mm |
| Width | 18 mm |
| d | 90 mm |
| D | 125 mm |
| B | 18 mm |
| d ₁ | 100.8 mm |
| d ₂ | 100.8 mm |
| D ₂ | 117.1 mm |
| r _{1,2} - min. | 1.1 mm |
| r _{3,4} - min. | 0.6 mm |
| a | 34.2 mm |
| d _a - min. | 96 mm |
| d _a - max. | 100.2 mm |
| d _b - min. | 96 mm |
| d _b - max. | 100.2 mm |
| D _a - max. | 119 mm |
| D _b - max. | 121 mm |
| r _a - max. | 1 mm |
| r _b - max. | 0.6 mm |
| Basic dynamic load rating - C | 44.2 kN |
| Basic static load rating - C ₀ | 48 kN |
| Fatigue load limit - P _u | 2 kN |



Bearing de Mexico, S.A.

| | |
|---------------------------------------|--------------|
| Limiting speed for grease lubrication | 10000 r/min |
| Ball - D_w | 11.112 mm |
| Ball - z | 26 |
| 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 | 280 N |
| Preload class B - G_B | 560 N |
| Preload class C - G_C | 1120 N |
| Preload class D - G_D | 2240 N |
| Calculation factor - f | 1.23 |
| Calculation factor - f_1 | 0.98 |
| Calculation factor - f_{2A} | 1 |
| Calculation factor - f_{2B} | 1.07 |
| Calculation factor - f_{2C} | 1.12 |
| Calculation factor - f_{2D} | 1.17 |
| Calculation factor - f_{HC} | 1.04 |
| Preload class A | 249 N/micron |
| Preload class B | 325 N/micron |
| Preload class C | 435 N/micron |
| Preload class D | 595 N/micron |
| d_1 | 100.8 mm |
| d_2 | 100.8 mm |
| D_2 | 117.1 mm |



Bearing de Mexico, S.A.

| | |
|---|----------------|
| $r_{1,2}$ min. | 1.1 mm |
| $r_{3,4}$ min. | 0.6 mm |
| d_a min. | 96 mm |
| d_a max. | 100.2 mm |
| d_b min. | 96 mm |
| d_b max. | 100.2 mm |
| D_a max. | 119 mm |
| D_b max. | 121 mm |
| r_a max. | 1 mm |
| r_b max. | 0.6 mm |
| Basic dynamic load rating C | 44.2 kN |
| Basic static load rating C_0 | 48 kN |
| Fatigue load limit P_u | 1.96 kN |
| Attainable speed for grease lubrication | 10000 r/min |
| Ball diameter D_w | 11.112 mm |
| Number of balls z | 26 |
| Preload class A G_A | 280 N |
| Static axial stiffness, preload class A | 249 N/ μ m |
| Preload class B G_B | 560 N |
| Static axial stiffness, preload class B | 325 N/ μ m |
| Preload class C G_C | 1120 N |
| Static axial stiffness, preload class C | 435 N/ μ m |
| Preload class D G_D | 2240 N |
| Static axial stiffness, preload class D | 595 N/ μ m |
| Calculation factor f | 1.23 |
| Calculation factor f_1 | 0.98 |
| Calculation factor f_{2A} | 1 |
| Calculation factor f_{2B} | 1.07 |
| Calculation factor f_{2C} | 1.12 |



Bearing de Mexico, S.A.

| | |
|---|---------|
| Calculation factor f_{2D} | 1.17 |
| Calculation factor f_{HC} | 1.04 |
| 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 | 0.48 kg |