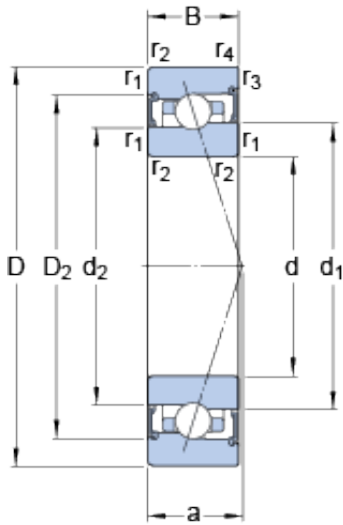




Air Suspension Bearing Co., Ltd



95 mm x 130 mm x 18 mm SKF S71919 ACB/HCP4A angular contact ball bearings

Bearing No. S71919 ACB/HCP4A

S71919 ACB/HCP4A Bearing 2D drawings and 3D CAD models

Size	130x95x18 mm
Bore Diameter	130 mm
Outer Diameter	95 mm
Width	18 mm
d	95 mm
D	130 mm
B	18 mm
d ₁	107.94 mm
d ₂	106.36 mm
D ₂	120.7 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	40.2 mm
d _a - min.	101 mm
d _a - max.	107.2 mm
d _b - min.	101 mm
d _b - max.	105.7 mm
D _a - max.	124 mm
D _b - max.	126.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	17.2 kN
Basic static load rating - C ₀	17.6 kN
Fatigue load limit - P _u	0.71 kN



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Limiting speed for grease lubrication	14000 r/min
Ball - D_w	7.144 mm
Ball - z	38
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	105 N
Preload class B - G_B	210 N
Preload class C - G_C	630 N
Calculation factor - f	1.13
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.08
Calculation factor - f_{HC}	1.01
Preload class A	165 N/micron
Preload class B	211 N/micron
Preload class C	320 N/micron
d_1	107.94 mm
d_2	106.36 mm
D_2	120.7 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	101 mm



Air Suspension Bearing Co., Ltd

d_a max.	107.2 mm
d_b min.	101 mm
d_b max.	105.7 mm
D_a max.	124 mm
D_b max.	126.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	22.9 kN
Basic static load rating C_0	28 kN
Fatigue load limit P_u	0.71 kN
Attainable speed for grease lubrication	14000 r/min
Ball diameter D_w	7.144 mm
Number of balls z	38
Preload class A G_A	105 N
Static axial stiffness, preload class A	165 N/ μ m
Preload class B G_B	210 N
Static axial stiffness, preload class B	211 N/ μ m
Preload class C G_C	630 N
Static axial stiffness, preload class C	320 N/ μ m
Calculation factor f	1.13
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
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



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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	0.61 kg