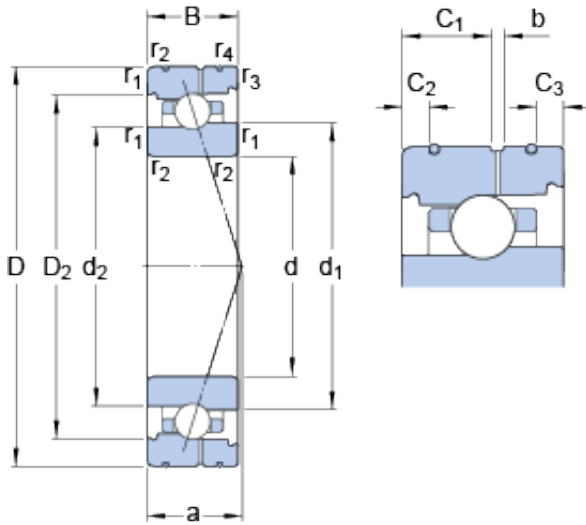




Air Suspension Bearing Co., Ltd



110 mm x 170 mm x 28 mm SKF 7022 CB/HCP4AL angular contact ball bearings

Bearing No. 7022 CB/HCP4AL

7022 CB/HCP4AL Bearing 2D drawings and 3D CAD models

Size	170x110x28 mm
Bore Diameter	170 mm
Outer Diameter	110 mm
Width	28 mm
d	110 mm
D	170 mm
B	28 mm
d ₁	133.2 mm
d ₂	130.5 mm
D ₂	151.9 mm
b	2.2 mm
C ₁	15.1 mm
C ₂	6.2 mm
C ₃	4.2 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
a	33 mm
d _a - min.	119 mm
d _b - min.	119 mm
D _a - max.	161 mm
D _b - max.	165.4 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	134.6 mm



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Basic dynamic load rating - C	37.1 kN
Basic static load rating - C ₀	36 kN
Fatigue load limit - P _u	1.3 kN
Limiting speed for grease lubrication	12000 r/min
Limiting speed for oil lubrication	19000 mm/min
Ball - D _w	11.112 mm
Ball - z	31
G _{ref}	22.25 cm ³
Calculation factor - f ₀	9.7
Preload class A - G _A	125 N
Preload class B - G _B	250 N
Preload class C - G _C	750 N
Calculation factor - f	1.07
Calculation factor - f	1
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.02
Calculation factor - f _{2C}	1.05
Calculation factor - f _{HC}	1.01
Preload class A	79 N/micron
Preload class B	103 N/micron
Preload class C	163 N/micron
d ₁	133.2 mm
d ₂	130.5 mm
D ₂	151.9 mm
C ₁	15.1 mm
C ₂	6.2 mm
C ₃	4.2 mm
r _{1,2} min.	2 mm



Air Suspension Bearing Co., Ltd

$r_{3,4}$ min.	1 mm
d_a min.	119 mm
d_b min.	119 mm
D_a max.	161 mm
D_b max.	165.4 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	134.6 mm
Basic dynamic load rating C	49.4 kN
Basic static load rating C_0	60 kN
Fatigue load limit P_u	1.29 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	19000 r/min
Ball diameter D_w	11.112 mm
Number of balls z	31
Reference grease quantity G_{ref}	22.25 cm ³
Preload class A G_A	125 N
Static axial stiffness, preload class A	79 N/ μ m
Preload class B G_B	250 N
Static axial stiffness, preload class B	103 N/ μ m
Preload class C G_C	750 N
Static axial stiffness, preload class C	163 N/ μ m
Calculation factor f	1.07
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.01



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Calculation factor f_0	9.7
Mass bearing	2.08 kg