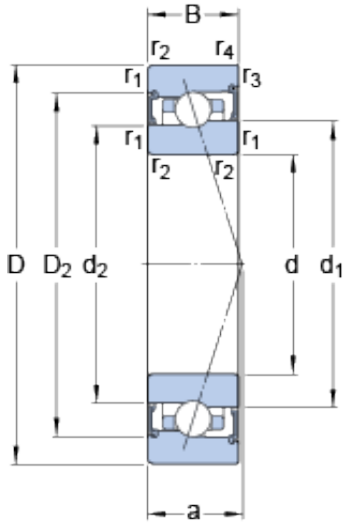




BEARING PRECISION AXLE CORP.



S7011 CB/HCP4A Bearing 2D drawings and 3D CAD models

S7011 CB/HCP4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S7011 CB/HCP4A

Size	90x55x18 mm
Bore Diameter	90 mm
Outer Diameter	55 mm
Width	18 mm
d	55 mm
D	90 mm
B	18 mm
d ₁	68.18 mm
d ₂	66.65 mm
D ₂	79.39 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	18.8 mm
d _a - min.	61 mm
d _a - max.	67.6 mm
d _b - min.	61 mm
d _b - max.	66.1 mm
D _a - max.	84 mm
D _b - max.	86.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	14 kN
Basic static load rating - C ₀	11 kN
Fatigue load limit - P _u	0.465 kN



BEARING PRECISION AXLE CORP.

Limiting speed for grease lubrication	26000 r/min
Ball - D_w	6.747 mm
Ball - z	26
Calculation factor - f_0	9.7
Preload class A - G_A	46 N
Preload class B - G_B	92 N
Preload class C - G_C	275 N
Calculation factor - f	1.06
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	43 N/micron
Preload class B	56 N/micron
Preload class C	88 N/micron
d_1	68.18 mm
d_2	66.65 mm
D_2	79.39 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	61 mm
d_a max.	67.6 mm
d_b min.	61 mm
d_b max.	66.1 mm
D_a max.	84 mm
D_b max.	86.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	18.6 kN



BEARING PRECISION AXLE CORP.

Basic static load rating C_0	19 kN
Fatigue load limit P_u	0.465 kN
Attainable speed for grease lubrication	26000 r/min
Ball diameter D_w	6.747 mm
Number of balls z	26
Preload class A G_A	46 N
Static axial stiffness, preload class A	43 N/ μ m
Preload class B G_B	92 N
Static axial stiffness, preload class B	56 N/ μ m
Preload class C G_C	275 N
Static axial stiffness, preload class C	88 N/ μ m
Calculation factor f	1.06
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
Calculation factor f_0	9.7
Mass bearing	0.4 kg