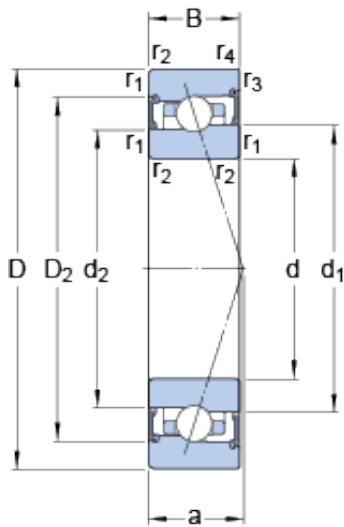




Bearing No. S7006 CB/HCP4A

D	55 mm
d	30 mm
B	13 mm
a	12.2 mm
Ball - z	20
Size (mm)	55x30x13
Width (mm)	13
Mass bearing	0.13 kg
D ₂	47.25 mm
d ₂	38.3 mm
d ₁	39.45 mm
d ₂	38.3 mm
D ₂	47.25 mm
d ₁	39.45 mm
Bearing number	S7006 CB/HCP4A
Preload class B	32 N/micron
Preload class A	25 N/micron
Preload class C	51 N/micron
Number of balls z	20
Bore Diameter (mm)	55
d _a min.	34.6 mm
d _a max.	38.9 mm
d _b min.	34.6 mm
d _b max.	37.7 mm
D _a max.	50.4 mm
D _b max.	51.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
Outer Diameter (mm)	30
r _{3,4} min.	0.6 mm

d_b - min.	34.6 mm
Calculation factor f	1.03
d_a - max.	38.9 mm
$r_{1,2}$ min.	1 mm
D_a - max.	50.4 mm
d_b - max.	37.7 mm
D_b - max.	51.8 mm
r_a - max.	1 mm
d_a - min.	34.6 mm
Ball - D_w	4.762 mm
r_b - max.	0.6 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - f	1.03
$r_{1,2}$ - min.	1 mm
Basic dynamic load rating C	8.84 kN
Ball diameter D_w	4.762 mm
Basic dynamic load rating - C	6.5 kN
Preload class A G_A	21 N
Preload class B G_B	42 N
Preload class C G_C	125 N
Preload class A - G_A	21 N
Preload class B - G_B	42 N
Preload class C - G_C	125 N
Fatigue load limit P_u	0.176 kN
Calculation factor f_1	1
Calculation factor f_0	9.4
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.01
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1

Calculation factor - f	1
Calculation factor - f_0	9.4
Fatigue load limit - P_u	0.176 kN
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Calculation factor - f_{HC}	1.01
Limiting speed for grease lubrication	43000 r/min
Basic static load rating C_0	7.1 kN
Static axial stiffness, preload class B	32 N/ μ m
Static axial stiffness, preload class C	51 N/ μ m
Static axial stiffness, preload class A	25 N/ μ m
Attainable speed for grease lubrication	43000 r/min
Basic static load rating - C_0	4.2 kN