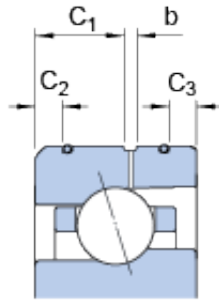
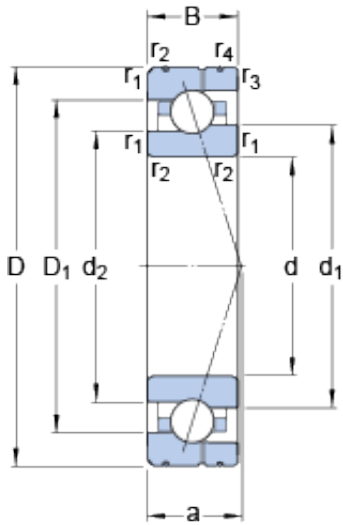




GARLOCK BEARINGS LTD



7006 CE/HCP4AL SKF High Speed Angular Contact Ball Bearings

Bearing No. 7006 CE/HCP4AL

7006 CE/HCP4AL Bearing 2D drawings and 3D CAD models

Size	55x30x13 mm
Bore Diameter	55 mm
Outer Diameter	30 mm
Width	13 mm
d	30 mm
D	55 mm
B	13 mm
d ₁	38.2 mm
d ₂	36.4 mm
D ₁	45.81 mm
b	1.8 mm
C ₁	6.5 mm
C ₂	2.3 mm
C ₃	2.6 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
a	12.2 mm
d _a - min.	34.6 mm
d _b - min.	34.6 mm
D _a - max.	50.4 mm
D _b - max.	50.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	39.9 mm



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Basic dynamic load rating - C	9.4 kN
Basic static load rating - C ₀	5.2 kN
Fatigue load limit - P _u	0.22 kN
Limiting speed for grease lubrication	47000 r/min
Limiting speed for oil lubrication	73000 mm/min
Ball - D _w	6.35 mm
Ball - z	17
G _{ref}	1.7 cm ³
Calculation factor - f ₀	7.9
Preload class A - G _A	50 N
Preload class B - G _B	150 N
Preload class C - G _C	300 N
Calculation factor - f	1.05
Calculation factor - f	1
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.03
Calculation factor - f _{2C}	1.05
Calculation factor - f _{HC}	1.01
Preload class A	31 N/micron
Preload class B	49 N/micron
Preload class C	67 N/micron
d ₁	38.2 mm
d ₂	36.4 mm
D ₁	45.81 mm
C ₁	6.5 mm
C ₂	2.3 mm
C ₃	2.6 mm
r _{1,2} min.	1 mm



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$r_{3,4}$ min.	0.6 mm
d_a min.	34.6 mm
d_b min.	34.6 mm
D_a max.	50.4 mm
D_b max.	50.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	39.9 mm
Basic dynamic load rating C	9.36 kN
Basic static load rating C_0	5.2 kN
Fatigue load limit P_u	0.22 kN
Attainable speed for grease lubrication	47000 r/min
Attainable speed for oil-air lubrication	73000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	17
Reference grease quantity G_{ref}	1.7 cm ³
Preload class A G_A	50 N
Static axial stiffness, preload class A	31 N/ μ m
Preload class B G_B	150 N
Static axial stiffness, preload class B	49 N/ μ m
Preload class C G_C	300 N
Static axial stiffness, preload class C	67 N/ μ m
Calculation factor f	1.05
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.01



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Calculation factor f_0	7.9
Mass bearing	0.1 kg