



S7017 CB/HCP4A Bearing 2D drawings and 3D CAD models

85 mm x 130 mm x 22 mm SKF S7017 CB/HCP4A Angular contact ball bearing

Bearing No. S7017 CB/HCP4A

Size	130x85x22 mm
Bore Diameter	130 mm
Outer Diameter	85 mm
Width	22 mm
d	85 mm
D	130 mm
B	22 mm
d ₁	101.7 mm
d ₂	99.3 mm
D ₂	116.4 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	25.5 mm
d _a - min.	91 mm
d _a - max.	100.9 mm
d _b - min.	91 mm
d _b - max.	98.5 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	27 kN
Basic static load rating - C ₀	23.6 kN
Fatigue load limit - P _u	0.965 kN

Limiting speed for grease lubrication	16000 r/min
Ball - D_w	9.525 mm
Ball - z	28
Calculation factor - f_0	9.6
Preload class A - G_A	80 N
Preload class B - G_B	160 N
Preload class C - G_C	480 N
Calculation factor - f	1.08
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	61 N/micron
Preload class B	79 N/micron
Preload class C	124 N/micron
d_1	101.7 mm
d_2	99.3 mm
D_2	116.4 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	91 mm
d_a max.	100.9 mm
d_b min.	91 mm
d_b max.	98.5 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	31.9 kN

Basic static load rating C_0	36 kN
Fatigue load limit P_u	0.965 kN
Attainable speed for grease lubrication	16000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	28
Preload class A G_A	80 N
Static axial stiffness, preload class A	61 N/ μ m
Preload class B G_B	160 N
Static axial stiffness, preload class B	79 N/ μ m
Preload class C G_C	480 N
Static axial stiffness, preload class C	124 N/ μ m
Calculation factor f	1.08
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	9.6
Mass bearing	0.9 kg