



Bearing No. S71912 ACB/HCP4A

Size	85x60x13 mm
Bore Diameter	85 mm
Outer Diameter	60 mm
Width	13 mm
d	60 mm
D	85 mm
B	13 mm
d_1	68.94 mm
d_2	67.73 mm
D_2	78.36 mm
$r_{1,2}$ - min.	1 mm
$r_{3,4}$ - min.	0.3 mm
a	27.2 mm
d_a - min.	64.6 mm
d_a - max.	68.3 mm
d_b - min.	64.6 mm
d_b - max.	67.1 mm
D_a - max.	80.4 mm
D_b - max.	83 mm
r_a - max.	1 mm
r_b - max.	0.3 mm
Basic dynamic load rating - C	9.8 kN
Basic static load rating - C_0	8.3 kN
Fatigue load limit - P_u	0.355 kN
Limiting speed for grease lubrication	22000 r/min
Ball - D_w	5.556 mm
Ball - z	30

Calculation factor - e	0.68
Calculation factor - Y_2	0.87
Calculation factor - Y_0	0.38
Calculation factor - X_2	0.41
Calculation factor - Y_1	0.92
Calculation factor - Y_2	1.41
Calculation factor - Y_0	0.76
Calculation factor - X_2	0.67
Preload class A - G_A	57 N
Preload class B - G_B	115 N
Preload class C - G_C	340 N
Calculation factor - f	1.11
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.08
Calculation factor - f_{HC}	1.01
Preload class A	104 N/micron
Preload class B	135 N/micron
Preload class C	204 N/micron
d_1	68.94 mm
d_2	67.73 mm
D_2	78.36 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	64.6 mm
d_a max.	68.3 mm
d_b min.	64.6 mm
d_b max.	67.1 mm
	80.4 mm

D_a max.

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D_b max.	83 mm
r_a max.	1 mm
r_b max.	0.3 mm
Basic dynamic load rating C	13.3 kN
Basic static load rating C_0	13.4 kN
Fatigue load limit P_u	0.355 kN
Attainable speed for grease lubrication	22000 r/min
Ball diameter D_w	5.556 mm
Number of balls z	30
Preload class A G_A	57 N
Static axial stiffness, preload class A	104 N/ μ m
Preload class B G_B	115 N
Static axial stiffness, preload class B	135 N/ μ m
Preload class C G_C	340 N
Static axial stiffness, preload class C	204 N/ μ m
Calculation factor f	1.11
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-	0.92

to-back, face-to-face) Y_1	
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	0.19 kg