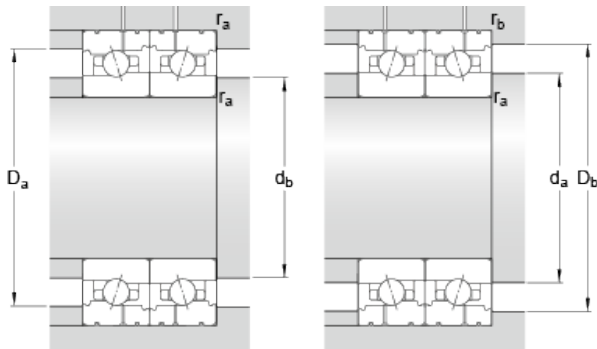




NTL BEARINGS LTD.



71913 ACB/HCP4AL SKF High Speed Angular Contact Ball Bearings

Bearing No. 71913 ACB/HCP4AL

71913 ACB/HCP4AL Bearing 2D drawings and 3D CAD models

d	65 mm
D	90 mm
B	13 mm
d ₁	73.94 mm
d ₂	72.72 mm
D ₂	83.46 mm
b	2 mm
C ₁	6.5 mm
C ₂	3.8 mm
C ₃	1.7 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.3 mm
a	28.4 mm
d _a min.	69.6 mm
d _b min.	69.6 mm
D _a max.	85.4 mm
D _b max.	88 mm
r _a max.	1 mm
r _b max.	0.3 mm
d _n	74.8 mm
Basic dynamic load rating C	13.5 kN
Basic static load rating C ₀	14.3 kN
Fatigue load limit P _u	0.38 kN
Attainable speed for grease lubrication	22000 r/min
Attainable speed for oil-air	34000 r/min



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Lubrication	
Ball diameter D_w	5.556 mm
Number of balls z	32
Reference grease quantity G_{ref}	2.96 cm ³
Preload class A G_A	60 N
Static axial stiffness, preload class A	111 N/ μ m
Preload class B G_B	120 N
Static axial stiffness, preload class B	144 N/ μ m
Preload class C G_C	360 N
Static axial stiffness, preload class C	219 N/ μ m
Calculation factor f	1.13
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-to- back, face-to-face) Y_1	0.92
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



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