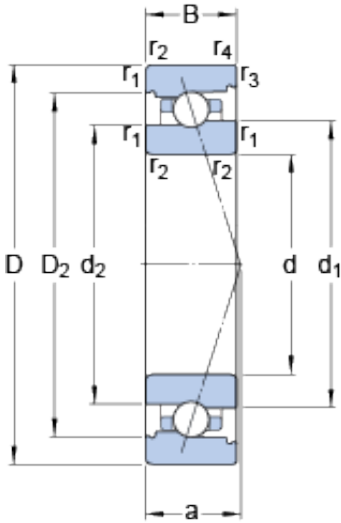




CEBY BEARINGS INVESTMENT LTD



71915 ACB/P4A Bearing 2D drawings and 3D CAD models

75 mm x 105 mm x 16 mm SKF 71915 ACB/P4A angular contact ball bearings

Bearing No. 71915 ACB/P4A

Size	105x75x16 mm
Bore Diameter	105 mm
Outer Diameter	75 mm
Width	16 mm
d	75 mm
D	105 mm
B	16 mm
d ₁	85.94 mm
d ₂	84.55 mm
D ₂	97.5 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
a	32.3 mm
d _a - min.	79.6 mm
d _b - min.	79.6 mm
D _a - max.	100 mm
D _b - max.	101.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	86.9 mm
Basic dynamic load rating - C	13.3 kN
Basic static load rating - C ₀	12.5 kN
Fatigue load limit - P _u	0.52 kN
Limiting speed for grease	15000 r/min



CEBY BEARINGS INVESTMENT LTD

Lubrication	
Limiting speed for oil lubrication	24000 mm/min
Ball - D_w	6.35 mm
Ball - z	34
G_{ref}	4.76 cm ³
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	80 N
Preload class B - G_B	160 N
Preload class C - G_C	480 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}	1.07
Calculation factor - f_{HC}	1
Preload class A	120 N/micron
Preload class B	155 N/micron
Preload class C	234 N/micron
d_1	85.94 mm
d_2	84.55 mm
D_2	97.5 mm
$r_{1,2}$ min.	1 mm



CEBY BEARINGS INVESTMENT LTD

$r_{3,4}$ min.	0.6 mm
d_a min.	79.6 mm
d_b min.	79.6 mm
D_a max.	100 mm
D_b max.	101.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	86.9 mm
Basic dynamic load rating C	17.8 kN
Basic static load rating C_0	20 kN
Fatigue load limit P_u	0.52 kN
Attainable speed for grease lubrication	15000 r/min
Attainable speed for oil-air lubrication	24000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	34
Reference grease quantity G_{ref}	4.76 cm ³
Preload class A G_A	80 N
Static axial stiffness, preload class A	120 N/ μ m
Preload class B G_B	160 N
Static axial stiffness, preload class B	155 N/ μ m
Preload class C G_C	480 N
Static axial stiffness, preload class C	234 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}	1.07
Calculation factor f_{HC}	1



CEBY BEARINGS INVESTMENT LTD

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	0.36 kg