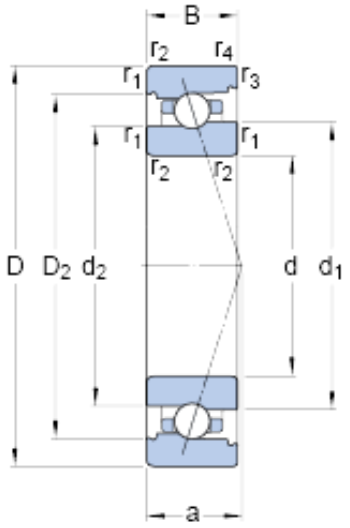
7006 ACB/P4A SKF Angular Contact Ball...



Bearing No. 7006 ACB/P4A

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	39.45 mm
d_2	38.3 mm
D_2	47.25 mm
$r_{1,2}$ - min.	1 mm
$r_{3,4}$ - min.	0.6 mm
a	16.5 mm
d_a - min.	34.6 mm
d_b - min.	34.6 mm
D_a - max.	50.4 mm
D_b - max.	51.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
d_n	40 mm
Basic dynamic load rating - C	6.2 kN
Basic static load rating - C_0	3.9 kN
Fatigue load limit - P_u	0.166 kN
Limiting speed for grease lubrication	34000 r/min
Limiting speed for oil lubrication	50000 mm/min
Ball - D_w	4.762 mm

Ball - z	20
G_{ref}	1.4 cm3
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	36 N
Preload class B - G_B	72 N
Preload class C - G_C	215 N
Calculation factor - f	1.03
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2C}	1.04
Calculation factor - f_{HC}	1
Preload class A	58 N/micron
Preload class B	74 N/micron
Preload class C	111 N/micron
d_1	39.45 mm
d_2	38.3 mm
D_2	47.25 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ 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.	51.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	40 mm
Basic dynamic load rating C	8.32 kN
Basic static load rating C_0	6.7 kN
Fatigue load limit P_u	0.166 kN
Attainable speed for grease lubrication	34000 r/min
Attainable speed for oil-air lubrication	50000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	20
Reference grease quantity G_{ref}	1.4 cm^3
Preload class A G_A	36 N
Static axial stiffness, preload class A	58 N/µm
Preload class B G_B	72 N
Static axial stiffness, preload class B	74 N/µm
Preload class C G_C	215 N
Static axial stiffness, preload class C	111 N/µm
Calculation factor f	1.03
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.04
Calculation factor f_{HC}	1
Calculation factor e	0.68
Calculation factor	0.87

(single, tandem) Y_2	
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	0.13 kg