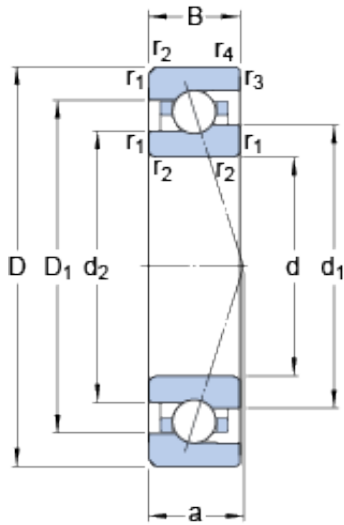




Bearing equipment manufacturing Co., Ltd



706 ACE/P4A Bearing 2D drawings and 3D CAD models

6 mm x 17 mm x 6 mm SKF 706 ACE/P4A
angular contact ball bearings

Bearing No. 706 ACE/P4A

Size	17x6x6 mm
Bore Diameter	17 mm
Outer Diameter	6 mm
Width	6 mm
d	6 mm
D	17 mm
B	6 mm
d ₁	9.2 mm
d ₂	8.7 mm
D ₁	13.9 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.15 mm
a	5.8 mm
d _a - min.	8 mm
d _b - min.	8 mm
D _a - max.	15 mm
D _b - max.	15.6 mm
r _a - max.	0.3 mm
r _b - max.	0.15 mm
d _n	10.1 mm
Basic dynamic load rating - C	1.5 kN
Basic static load rating - C ₀	0.49 kN
Fatigue load limit - P _u	0.02 kN
Limiting speed for grease	127000 r/min



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Lubrication	
Limiting speed for oil lubrication	195000 mm/min
Ball - D_w	3.175 mm
Ball - z	8
G_{ref}	0.09 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	14 N
Preload class B - G_B	41 N
Preload class C - G_C	82 N
Calculation factor - f	1.02
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.06
Calculation factor - f_{HC}	1
Preload class A	19 N/micron
Preload class B	28 N/micron
Preload class C	37 N/micron
d_1	9.2 mm
d_2	8.7 mm
D_1	13.9 mm
$r_{1,2}$ min.	0.3 mm



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$r_{3,4}$ min.	0.15 mm
d_a min.	8 mm
d_b min.	8 mm
D_a max.	15 mm
D_b max.	15.6 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	10.1 mm
Basic dynamic load rating C	1.51 kN
Basic static load rating C_0	0.49 kN
Fatigue load limit P_u	0.02 kN
Attainable speed for grease lubrication	127000 r/min
Attainable speed for oil-air lubrication	195000 r/min
Ball diameter D_w	3.175 mm
Number of balls z	8
Reference grease quantity G_{ref}	0.09 cm ³
Preload class A G_A	14 N
Static axial stiffness, preload class A	19 N/ μ m
Preload class B G_B	41 N
Static axial stiffness, preload class B	28 N/ μ m
Preload class C G_C	82 N
Static axial stiffness, preload class C	37 N/ μ m
Calculation factor f	1.02
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.06
Calculation factor f_{HC}	1



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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	0.006 kg