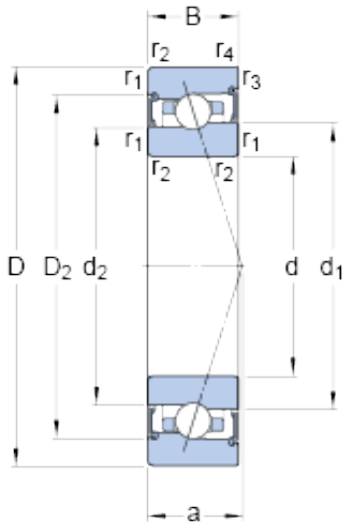




KOYO MANUFACTURING (THAILAND)CO.,LTD.



80 mm x 125 mm x 22 mm SKF S7016
ACB/P4A angular contact ball bearings

Bearing No. S7016 ACB/P4A

S7016 ACB/P4A Bearing 2D drawings and 3D CAD models

Size	125x80x22 mm
Bore Diameter	125 mm
Outer Diameter	80 mm
Width	22 mm
d	80 mm
D	125 mm
B	22 mm
d ₁	96.7 mm
d ₂	94.3 mm
D ₂	111.4 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	35.1 mm
d _a - min.	86 mm
d _a - max.	95.9 mm
d _b - min.	86 mm
d _b - max.	93.5 mm
D _a - max.	119 mm
D _b - max.	121.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	25.1 kN
Basic static load rating - C ₀	21.6 kN
Fatigue load limit - P _u	0.9 kN



KOYO MANUFACTURING (THAILAND)CO.,LTD.

Limiting speed for grease lubrication	12000 r/min
Ball - D_w	9.525 mm
Ball - z	27
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	278 N
Preload class B - G_B	300 N
Preload class C - G_C	900 N
Calculation factor - f	1.07
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	144 N/micron
Preload class B	182 N/micron
Preload class C	276 N/micron
d_1	96.7 mm
d_2	94.3 mm
D_2	111.4 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	86 mm



KOYO MANUFACTURING (THAILAND)CO.,LTD.

d_a max.	95.9 mm
d_b min.	86 mm
d_b max.	93.5 mm
D_a max.	119 mm
D_b max.	121.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	30.2 kN
Basic static load rating C_0	32.5 kN
Fatigue load limit P_u	0.9 kN
Attainable speed for grease lubrication	12000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	27
Preload class A G_A	278 N
Static axial stiffness, preload class A	144 N/ μ m
Preload class B G_B	300 N
Static axial stiffness, preload class B	182 N/ μ m
Preload class C G_C	900 N
Static axial stiffness, preload class C	276 N/ μ m
Calculation factor f	1.07
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 (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38



KOYO MANUFACTURING (THAILAND)CO.,LTD.

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	0.92 kg