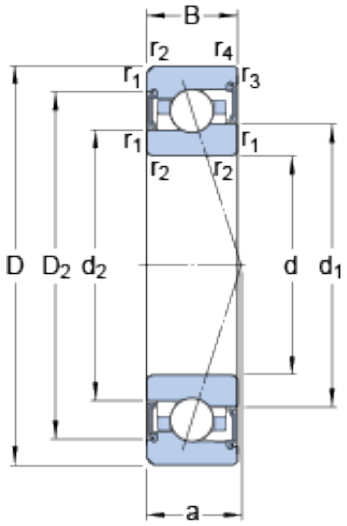
BEARING USA CORP.



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

80 mm x 125 mm x 22 mm SKF S7016 ACE/P4A Angular contact ball bearings

Bearing No. S7016 ACE/P4A

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	95.83 mm
d_2	93 mm
D_2	112.6 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.	95.1 mm
d_b - min.	86 mm
d_b - max.	92.3 mm
D_a - max.	119 mm
D_b - max.	120.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
Basic dynamic load rating - C	32.5 kN
Basic static load rating - C_0	26.5 kN
Fatigue load limit - P_u	1.1 kN

Limiting speed for grease lubrication	13700 r/min
Ball - D_w	11.112 mm
Ball - z	25
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	280 N
Preload class B - G_B	850 N
Preload class C - G_C	1700 N
Calculation factor - f	1.1
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	178 N/micron
Preload class B	268 N/micron
Preload class C	352 N/micron
d_1	95.83 mm
d_2	93 mm
D_2	112.6 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	86 mm

d_a max.	95.1 mm
d_b min.	86 mm
d_b max.	92.3 mm
D_a max.	119 mm
D_b max.	120.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	32.5 kN
Basic static load rating C_0	26.5 kN
Fatigue load limit P_u	1.12 kN
Attainable speed for grease lubrication	13700 r/min
Ball diameter D_w	11.112 mm
Number of balls z	25
Preload class A G_A	280 N
Static axial stiffness, preload class A	178 N/µm
Preload class B G_B	850 N
Static axial stiffness, preload class B	268 N/µm
Preload class C G_C	1700 N
Static axial stiffness, preload class C	352 N/µm
Calculation factor f	1.1
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
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	0.9 kg