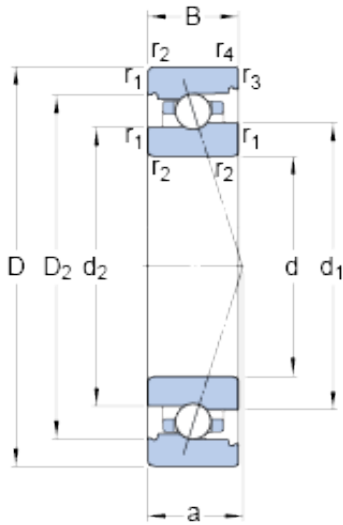




KOYO MANUFACTURING (THAILAND) CO., LTD.



80 mm x 125 mm x 22 mm SKF 7016 CB/P4A
angular contact ball bearings

Bearing No. 7016 CB/P4A

7016 CB/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	24.9 mm
d _a - min.	86 mm
d _b - min.	86 mm
D _a - max.	119 mm
D _b - max.	121.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	98 mm
Basic dynamic load rating - C	26.5 kN
Basic static load rating - C ₀	22.8 kN
Fatigue load limit - P _u	0.95 kN
Limiting speed for grease	14000 r/min



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Lubrication	
Limiting speed for oil lubrication	20000 mm/min
Ball - D_w	9.525 mm
Ball - z	27
G_{ref}	10.49 cm ³
Calculation factor - f_0	9.6
Preload class A - G_A	78 N
Preload class B - G_B	155 N
Preload class C - G_C	470 N
Calculation factor - f	1.07
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	52 N/micron
Preload class B	68 N/micron
Preload class C	109 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
d_b min.	86 mm
D_a max.	119 mm
D_b max.	121.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	98 mm



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Basic dynamic load rating C	31.2 kN
Basic static load rating C_0	34.5 kN
Fatigue load limit P_u	0.95 kN
Attainable speed for grease lubrication	14000 r/min
Attainable speed for oil-air lubrication	20000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	27
Reference grease quantity G_{ref}	10.49 cm ³
Preload class A G_A	78 N
Static axial stiffness, preload class A	52 N/ μ m
Preload class B G_B	155 N
Static axial stiffness, preload class B	68 N/ μ m
Preload class C G_C	470 N
Static axial stiffness, preload class C	109 N/ μ m
Calculation factor f	1.07
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	9.6
Mass bearing	0.92 kg