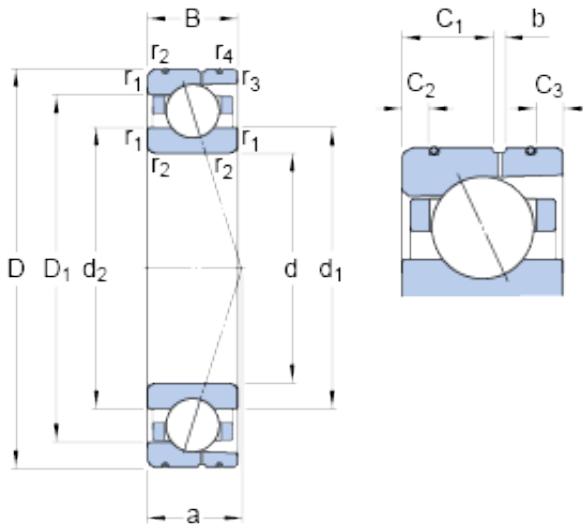




KOYO MANUFACTURING (THAILAND) CO., LTD.



80 mm x 125 mm x 22 mm SKF 7016 CD/P4AL
angular contact ball bearings

Bearing No. 7016 CD/P4AL

7016 CD/P4AL 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	93.9 mm
d ₂	93.9 mm
D ₁	111.1 mm
b	2.8 mm
C ₁	11.1 mm
C ₂	4.4 mm
C ₃	3.8 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	24.8 mm
d _a - min.	86 mm
d _b - min.	86 mm
D _a - max.	119 mm
D _b - max.	121 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	96.9 mm



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Basic dynamic load rating - C	65 kN
Basic static load rating - C ₀	61 kN
Fatigue load limit - P _u	2.6 kN
Limiting speed for grease lubrication	10000 r/min
Limiting speed for oil lubrication	17000 mm/min
Ball - D _w	14.288 mm
Ball - z	20
G _{ref}	11.1 cm ³
Calculation factor - f ₀	15.5
Preload class A - G _A	240 N
Preload class B - G _B	480 N
Preload class C - G _C	960 N
Preload class D - G _D	1920 N
Calculation factor - f	1.13
Calculation factor - f	1
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.02
Calculation factor - f _{2C}	1.05
Calculation factor - f _{2D}	1.09
Calculation factor - f _{HC}	1
Preload class A	92 N/micron
Preload class B	125 N/micron
Preload class C	175 N/micron
Preload class D	254 N/micron
d ₁	93.9 mm
d ₂	93.9 mm
D ₁	111.1 mm
C ₁	11.1 mm



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C_2	4.4 mm
C_3	3.8 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 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	96.9 mm
Basic dynamic load rating C	65 kN
Basic static load rating C_0	61 kN
Fatigue load limit P_u	2.55 kN
Attainable speed for grease lubrication	10000 r/min
Attainable speed for oil-air lubrication	17000 r/min
Ball diameter D_w	14.288 mm
Number of balls z	20
Reference grease quantity G_{ref}	11.1 cm ³
Preload class A G_A	240 N
Static axial stiffness, preload class A	92 N/ μ m
Preload class B G_B	480 N
Static axial stiffness, preload class B	125 N/ μ m
Preload class C G_C	960 N
Static axial stiffness, preload class C	175 N/ μ m
Preload class D G_D	1920 N
Static axial stiffness, preload class D	254 N/ μ m



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Calculation factor f	1.13
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_{2D}	1.09
Calculation factor f_{HC}	1
Calculation factor f_0	15.5
Mass bearing	0.85 kg