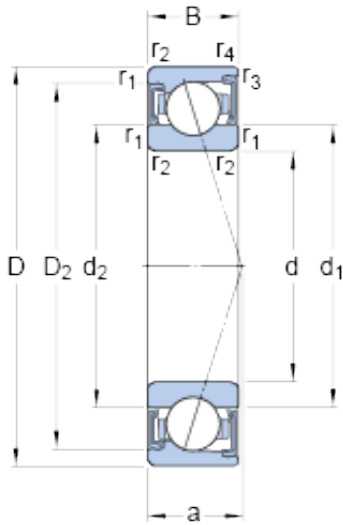




KOYO MANUFACTURING (THAILAND)CO.,LTD.



80 mm x 125 mm x 22 mm SKF S7016 ACD/HCP4A angular contact ball bearings

Bearing No. S7016 ACD/HCP4A

S7016 ACD/HCP4A 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 ₂	113.95 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	35 mm
d _a - min.	86 mm
d _a - max.	93.3 mm
d _b - min.	86 mm
d _b - max.	93.3 mm
D _a - max.	119 mm
D _b - max.	121 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	62.4 kN
Basic static load rating - C ₀	58.5 kN
Fatigue load limit - P _u	2.4 kN



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Limiting speed for grease lubrication	12000 r/min
Ball - D_w	14.288 mm
Ball - z	20
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	390 N
Preload class B - G_B	780 N
Preload class C - G_C	1560 N
Preload class D - G_D	3120 N
Calculation factor - f	1.13
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2D}	1.08
Calculation factor - f_{HC}	1.02
Preload class A	247 N/micron
Preload class B	323 N/micron
Preload class C	429 N/micron
Preload class D	581 N/micron
d_1	93.9 mm
d_2	93.9 mm
D_2	113.95 mm



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$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	86 mm
d_a max.	93.3 mm
d_b min.	86 mm
d_b max.	93.3 mm
D_a max.	119 mm
D_b max.	121 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	62.4 kN
Basic static load rating C_0	58.5 kN
Fatigue load limit P_u	2.45 kN
Attainable speed for grease lubrication	12000 r/min
Ball diameter D_w	14.288 mm
Number of balls z	20
Preload class A G_A	390 N
Static axial stiffness, preload class A	247 N/ μ m
Preload class B G_B	780 N
Static axial stiffness, preload class B	323 N/ μ m
Preload class C G_C	1560 N
Static axial stiffness, preload class C	429 N/ μ m
Preload class D G_D	3120 N
Static axial stiffness, preload class D	581 N/ μ m
Calculation factor f	1.13
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05



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Calculation factor f_{2D}	1.08
Calculation factor f_{HC}	1.02
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	0.72 kg