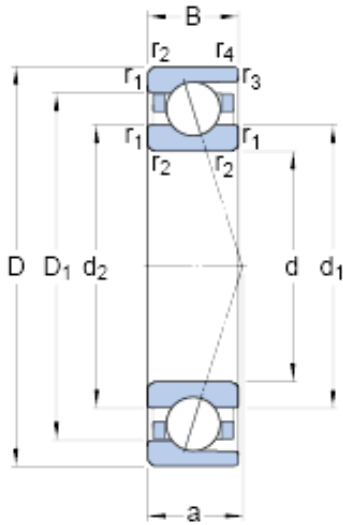




BEARING de Mexico?S.A.



71811 ACD/P4 Bearing 2D drawings and 3D CAD models

55 mm x 72 mm x 9 mm SKF 71811 ACD/P4
Angular contact ball bearings

Bearing No. 71811 ACD/P4

Size	72x55x9 mm
Bore Diameter	72 mm
Outer Diameter	55 mm
Width	9 mm
d	55 mm
D	72 mm
B	9 mm
d ₁	60.7 mm
d ₂	60.7 mm
D ₁	66.5 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.15 mm
a	19.3 mm
d _a - min.	57 mm
d _b - min.	57 mm
D _a - max.	70 mm
D _b - max.	71.2 mm
r _a - max.	0.3 mm
r _b - max.	0.15 mm
d _n	61.3 mm
Basic dynamic load rating - C	9.6 kN
Basic static load rating - C ₀	10.2 kN
Fatigue load limit - P _u	0.43 kN
Limiting speed for grease	16000 r/min



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Lubrication	
Limiting speed for oil lubrication	24000 mm/min
Ball - D_w	4.762 mm
Ball - z	29
G_{ref}	0.88 cm ³
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	87 N
Preload class B - G_B	260 N
Preload class C - G_C	520 N
Calculation factor - f	1.27
Calculation factor - f_1	0.97
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.08
Calculation factor - f_{2C}	1.15
Calculation factor - f_{HC}	1
Preload class A	124 N/micron
Preload class B	195 N/micron
Preload class C	268 N/micron
d_1	60.7 mm
d_2	60.7 mm
D_1	66.5 mm
$r_{1,2}$ min.	0.3 mm



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$r_{3,4}$ min.	0.15 mm
d_a min.	57 mm
d_b min.	57 mm
D_a max.	70 mm
D_b max.	71.2 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	61.3 mm
Basic dynamic load rating C	9.56 kN
Basic static load rating C_0	10.2 kN
Fatigue load limit P_u	0.43 kN
Attainable speed for grease lubrication	16000 r/min
Attainable speed for oil-air lubrication	24000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	29
Reference grease quantity G_{ref}	0.88 cm ³
Preload class A G_A	87 N
Static axial stiffness, preload class A	124 N/ μ m
Preload class B G_B	260 N
Static axial stiffness, preload class B	195 N/ μ m
Preload class C G_C	520 N
Static axial stiffness, preload class C	268 N/ μ m
Calculation factor f	1.27
Calculation factor f_1	0.97
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.08
Calculation factor f_{2C}	1.15
Calculation factor f_{HC}	1



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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	0.081 kg