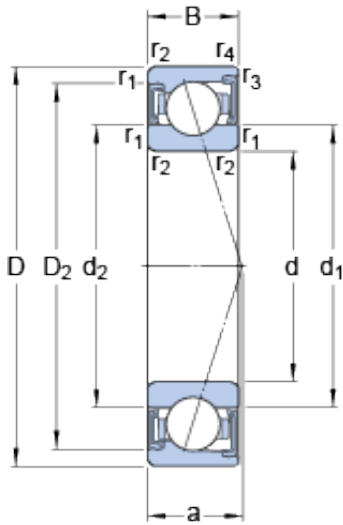




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35 mm x 72 mm x 17 mm SKF S7207 ACD/P4A angular contact ball bearings

Bearing No. S7207 ACD/P4A



S7207 ACD/P4A Bearing 2D drawings and 3D CAD models

Size	72x35x17 mm
Bore Diameter	72 mm
Outer Diameter	35 mm
Width	17 mm
d	35 mm
D	72 mm
B	17 mm
d ₁	46.8 mm
d ₂	46.8 mm
D ₂	63.2 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.3 mm
a	21.1 mm
d _a - min.	42 mm
d _a - max.	46.2 mm
d _b - min.	42 mm
d _b - max.	46.2 mm
D _a - max.	65 mm
D _b - max.	69.6 mm
r _a - max.	1 mm
r _b - max.	0.3 mm
Basic dynamic load rating - C	30.7 kN
Basic static load rating - C ₀	20.8 kN
Fatigue load limit - P _u	0.88 kN



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Limiting speed for grease lubrication	18000 r/min
Ball - D_w	11.112 mm
Ball - z	13
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	190 N
Preload class B - G_B	380 N
Preload class C - G_C	760 N
Preload class D - G_D	1520 N
Calculation factor - f	1.05
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2C}	1.02
Calculation factor - f_{2D}	1.05
Calculation factor - f_{HC}	1
Preload class A	119 N/micron
Preload class B	154 N/micron
Preload class C	204 N/micron
Preload class D	275 N/micron
d_1	46.8 mm
d_2	46.8 mm
D_2	63.2 mm



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$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	42 mm
d_a max.	46.2 mm
d_b min.	42 mm
d_b max.	46.2 mm
D_a max.	65 mm
D_b max.	69.6 mm
r_a max.	1 mm
r_b max.	0.3 mm
Basic dynamic load rating C	30.7 kN
Basic static load rating C_0	20.8 kN
Fatigue load limit P_u	0.88 kN
Attainable speed for grease lubrication	18000 r/min
Ball diameter D_w	11.112 mm
Number of balls z	13
Preload class A G_A	190 N
Static axial stiffness, preload class A	119 N/ μ m
Preload class B G_B	380 N
Static axial stiffness, preload class B	154 N/ μ m
Preload class C G_C	760 N
Static axial stiffness, preload class C	204 N/ μ m
Preload class D G_D	1520 N
Static axial stiffness, preload class D	275 N/ μ m
Calculation factor f	1.05
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.02



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Calculation factor f_{2D}	1.05
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	0.29 kg