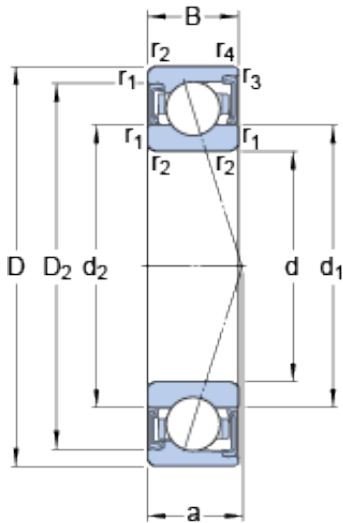




New energy Bearing Manufacturing Co.,...



50 mm x 72 mm x 12 mm SKF S71910 CD/P4A
angular contact ball bearings

Bearing No. S71910 CD/P4A

S71910 CD/P4A Bearing 2D drawings and 3D CAD models

Size	72x50x12 mm
Bore Diameter	72 mm
Outer Diameter	50 mm
Width	12 mm
d	50 mm
D	72 mm
B	12 mm
d ₁	57.1 mm
d ₂	57.1 mm
D ₂	67.12 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	14.2 mm
d _a - min.	53.2 mm
d _a - max.	56.6 mm
d _b - min.	53.2 mm
d _b - max.	56.6 mm
D _a - max.	68.8 mm
D _b - max.	70.6 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
Basic dynamic load rating - C	13.5 kN
Basic static load rating - C ₀	10.4 kN
Fatigue load limit - P _u	0.44 kN



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Limiting speed for grease lubrication	17000 r/min
Ball - D_w	6.35 mm
Ball - z	25
Calculation factor - f_0	10.7
Preload class A - G_A	50 N
Preload class B - G_B	100 N
Preload class C - G_C	200 N
Preload class D - G_D	400 N
Calculation factor - f	1.13
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.09
Calculation factor - f_{2D}	1.15
Calculation factor - f_{HC}	1
Preload class A	43 N/micron
Preload class B	57 N/micron
Preload class C	78 N/micron
Preload class D	110 N/micron
d_1	57.1 mm
d_2	57.1 mm
D_2	67.12 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	53.2 mm
d_a max.	56.6 mm
d_b min.	53.2 mm
d_b max.	56.6 mm
D_a max.	68.8 mm
D_b max.	70.6 mm



New energy Bearing Manufacturing Co.,...

r_a max.	0.6 mm
r_b max.	0.3 mm
Basic dynamic load rating C	13.5 kN
Basic static load rating C_0	10.4 kN
Fatigue load limit P_u	0.44 kN
Attainable speed for grease lubrication	17000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	25
Preload class A G_A	50 N
Static axial stiffness, preload class A	43 N/ μ m
Preload class B G_B	100 N
Static axial stiffness, preload class B	57 N/ μ m
Preload class C G_C	200 N
Static axial stiffness, preload class C	78 N/ μ m
Preload class D G_D	400 N
Static axial stiffness, preload class D	110 N/ μ m
Calculation factor f	1.13
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1
Calculation factor f_0	10.7
Mass bearing	0.14 kg