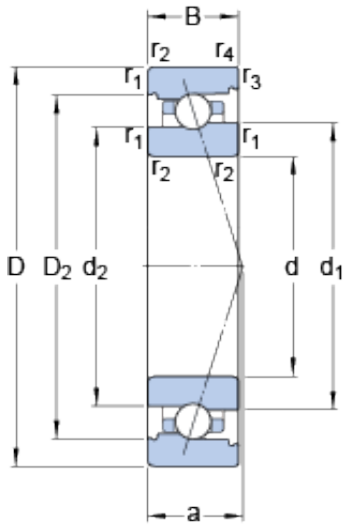




KRS Guide Wheel Bearing Co., Ltd



71910 CB/HCP4A Bearing 2D drawings and 3D CAD models

50 mm x 72 mm x 12 mm SKF 71910 CB/HCP4A angular contact ball bearings

Bearing No. 71910 CB/HCP4A

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	57.95 mm
d ₂	56.9 mm
D ₂	66.04 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	16.7 mm
d _a - min.	53.2 mm
d _b - min.	53.2 mm
D _a - max.	68.8 mm
D _b - max.	70 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
d _n	58.7 mm
Basic dynamic load rating - C	7.6 kN
Basic static load rating - C ₀	6.2 kN
Fatigue load limit - P _u	0.265 kN
Limiting speed for grease	30000 r/min



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Lubrication	
Limiting speed for oil lubrication	45000 mm/min
Ball - D_w	4.762 mm
Ball - z	29
G_{ref}	1.89 cm ³
Calculation factor - f_0	9.8
Preload class A - G_A	26 N
Preload class B - G_B	52 N
Preload class C - G_C	155 N
Calculation factor - f	1.09
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.08
Calculation factor - f_{HC}	1.01
Preload class A	34 N/micron
Preload class B	45 N/micron
Preload class C	72 N/micron
d_1	57.95 mm
d_2	56.9 mm
D_2	66.04 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	53.2 mm
d_b min.	53.2 mm
D_a max.	68.8 mm
D_b max.	70 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
d_n	58.7 mm



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Basic dynamic load rating C	10.4 kN
Basic static load rating C_0	10.2 kN
Fatigue load limit P_u	0.265 kN
Attainable speed for grease lubrication	30000 r/min
Attainable speed for oil-air lubrication	45000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	29
Reference grease quantity G_{ref}	1.89 cm ³
Preload class A G_A	26 N
Static axial stiffness, preload class A	34 N/ μ m
Preload class B G_B	52 N
Static axial stiffness, preload class B	45 N/ μ m
Preload class C G_C	155 N
Static axial stiffness, preload class C	72 N/ μ m
Calculation factor f	1.09
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1.01
Calculation factor f_0	9.8
Mass bearing	0.13 kg