



50 mm x 72 mm x 12 mm SKF 71910 CE/P4AL angular contact ball bearings

Bearing No. 71910 CE/P4AL

71910 CE/P4AL 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	56.7 mm
d ₂	54.9 mm
D ₁	65.3 mm
b	2.2 mm
C ₁	5.9 mm
C ₂	2.3 mm
C ₃	1.8 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	14.7 mm
d _a - min.	53.2 mm
d _b - min.	52 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	58.4 mm



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Basic dynamic load rating - C	12.7 kN
Basic static load rating - C ₀	8.6 kN
Fatigue load limit - P _u	0.365 kN
Limiting speed for grease lubrication	26000 r/min
Limiting speed for oil lubrication	40000 mm/min
Ball - D _w	7.144 mm
Ball - z	21
G _{ref}	1.7 cm ³
Calculation factor - f ₀	8.4
Preload class A - G _A	69 N
Preload class B - G _B	210 N
Preload class C - G _C	410 N
Calculation factor - f	1.15
Calculation factor - f	1
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.04
Calculation factor - f _{2C}	1.08
Calculation factor - f _{HC}	1
Preload class A	38 N/micron
Preload class B	61 N/micron
Preload class C	83 N/micron
d ₁	56.7 mm
d ₂	54.9 mm
D ₁	65.3 mm
C ₁	5.9 mm
C ₂	2.3 mm
C ₃	1.8 mm
r _{1,2} min.	0.6 mm



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$r_{3,4}$ min.	0.3 mm
d_a min.	53.2 mm
d_b min.	52 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	58.4 mm
Basic dynamic load rating C	12.7 kN
Basic static load rating C_0	8.65 kN
Fatigue load limit P_u	0.365 kN
Attainable speed for grease lubrication	26000 r/min
Attainable speed for oil-air lubrication	40000 r/min
Ball diameter D_w	7.144 mm
Number of balls z	21
Reference grease quantity G_{ref}	1.7 cm ³
Preload class A G_A	69 N
Static axial stiffness, preload class A	38 N/ μ m
Preload class B G_B	210 N
Static axial stiffness, preload class B	61 N/ μ m
Preload class C G_C	410 N
Static axial stiffness, preload class C	83 N/ μ m
Calculation factor f	1.15
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1



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Calculation factor f_0	8.4
Mass bearing	0.13 kg