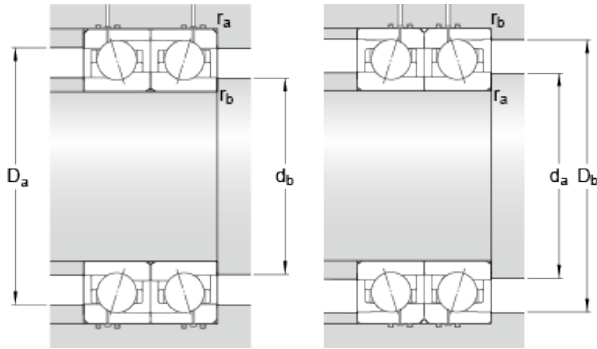




BEARING PRECISION AXLE CORP.



71910 CE/HCP4AH1 SKF High Speed Angular Contact Ball Bearings

Bearing No. 71910 CE/HCP4AH1

71910 CE/HCP4AH1 Bearing 2D drawings and 3D CAD models

d	50 mm
D	72 mm
B	12 mm
d ₁	56.7 mm
d ₂	54.9 mm
D ₁	65.3 mm
K	0.5 mm
C ₁	3.53 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
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	32000 r/min
Attainable speed for oil-air lubrication	48000 r/min
Ball diameter D _w	7.144 mm



BEARING PRECISION AXLE CORP.

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	42 N/ μ m
Preload class B G_B	210 N
Static axial stiffness, preload class B	68 N/ μ m
Preload class C G_C	410 N
Static axial stiffness, preload class C	92 N/ μ m
Calculation factor f	1.15
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.05
Calculation factor f_{2C}	1.09
Calculation factor f_{HC}	1.01
Calculation factor f_0	8.4
Mass bearing	0.11 kg