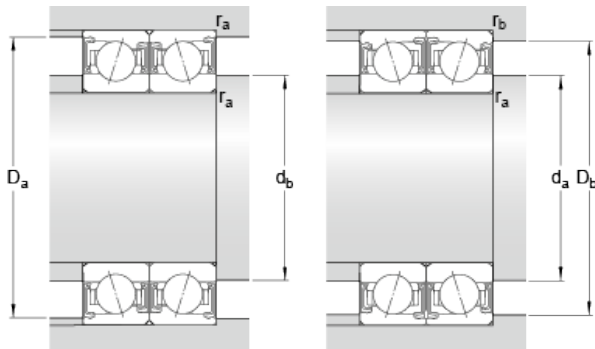




BEARING PRECISION AXLE CORP.



S71910 ACDTP/P4B SKF High Speed Angular Contact Ball Bearings

Bearing No. S71910 ACDTP/P4B

S71910 ACDTP/P4B Bearing 2D drawings and 3D CAD models

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	20.3 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
r _a max.	0.6 mm
r _b max.	0.3 mm
Basic dynamic load rating C	12.7 kN
Basic static load rating C ₀	9.8 kN
Fatigue load limit P _u	0.415 kN
Attainable speed for grease lubrication	16000 r/min
Ball diameter D _w	6.35 mm
Number of balls z	25
Preload class A G _A	80 N
Static axial stiffness, preload	105 N/ μ m



BEARING PRECISION AXLE CORP.

class A	
Preload class B G_B	160 N
Static axial stiffness, preload class B	137 N/ μ m
Preload class C G_C	320 N
Static axial stiffness, preload class C	180 N/ μ m
Preload class D G_D	640 N
Static axial stiffness, preload class D	240 N/ μ m
Calculation factor f	1.13
Calculation factor f_1	0.98
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{2D}	1.14
Calculation factor f_{HC}	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Mass bearing	0.14 kg