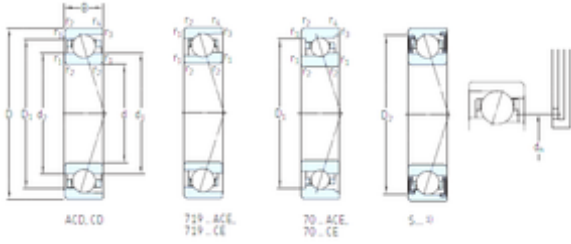


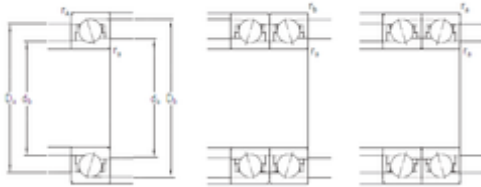


NTN Bearing Rolamentos do Brasil Ltda.



50 mm x 72 mm x 12 mm skf S71910 ACE/P4A
Super-precision Angular contact ball bearings

Bearing No. S71910 ACE/P4A



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

Size	50x72x12 mm
Bore Diameter	50 mm
Outer Diameter	72 mm
Width	12 mm
d	50 mm
D	72 mm
B	12 mm
C	12 mm
d1	56,7 mm
d2	54,9 mm
r1 min.	0,6 mm
r2 min.	0,6 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	65,3 mm
D2	67,7 mm
da min.	53,2 mm
Da max.	68,8 mm
db min	52 mm
ra max.	0,6 mm
rb max.	0,3 mm
dh	58,4 mm
Db max	70 mm
Weight	0,13 Kg
Basic dynamic load rating (C)	12,1 kN



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Basic static load rating (C0)	8,15 kN
(Grease) Lubrication Speed	23 000 r/min
(Oil) Lubrication Speed	36 000 r/min
Fatigue load limit (Pu)	0,345
d ₁	56.7 mm
d ₂	54.9 mm
D ₂	67.7 mm
r _{1,2} min.	0.6 mm
r _{3,4} min.	0.3 mm
a	21.2 mm
d _a min.	53.2 mm
d _a max.	56.1 mm
d _b min.	52 mm
d _b max.	54.5 mm
D _a max.	68.8 mm
D _b max.	70 mm
r _a max.	0.6 mm
r _b max.	0.3 mm
Basic dynamic load rating C	12.1 kN
Basic static load rating C ₀	8.15 kN
Fatigue load limit P _u	0.345 kN
Attainable speed for grease lubrication	23000 r/min
Ball diameter D _w	7.144 mm
Number of balls z	21
Preload class A G _A	110 N
Static axial stiffness, preload class A	96 N/ μ m
Preload class B G _B	330 N
Static axial stiffness, preload class B	145 N/ μ m
Preload class C G _C	660 N
Static axial stiffness, preload	190 N/ μ m



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class C	
Calculation factor f	1.15
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.07
Calculation factor f_{HC}	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	0.13 kg