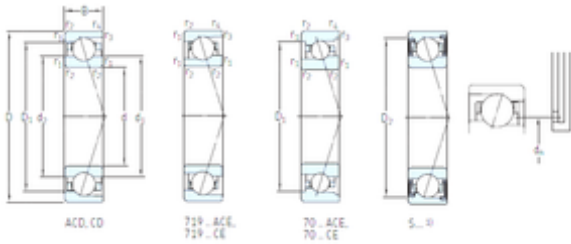


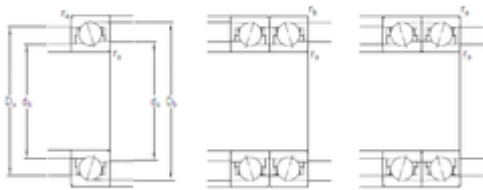


BEARING CORP. LTD.



20 mm x 37 mm x 9 mm SKF S71904
ACD/HCP4A angular contact ball bearings

Bearing No. S71904 ACD/HCP4A



S71904 ACD/HCP4A Bearing 2D drawings and 3D
CAD models

Size	20x37x9 mm
Bore Diameter	20 mm
Outer Diameter	37 mm
Width	9 mm
d	20 mm
D	37 mm
B	9 mm
C	9 mm
d1	25,6 mm
d2	25,6 mm
r1 min.	0,3 mm
r2 min.	0,3 mm
r3 min.	0,2 mm
r4 min.	0,2 mm
D1	31,4 mm
D2	34 mm
da min.	22 mm
Da max.	35 mm
db min	22 mm
ra max.	0,3 mm
rb max.	0,2 mm
dh	26,8 mm
Db max	35,6 mm
Weight	0,033 Kg
Basic dynamic load rating (C)	5,72 kN



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Basic static load rating (C ₀)	3,05 kN
(Grease) Lubrication Speed	45 000 r/min
(Oil) Lubrication Speed	67 000 r/min
Fatigue load limit (P _u)	0,129
d ₁	25.6 mm
d ₂	25.6 mm
D ₂	34.15 mm
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.2 mm
a	11.2 mm
d _a min.	22 mm
d _a max.	25.1 mm
d _b min.	22 mm
d _b max.	25.1 mm
D _a max.	35 mm
D _b max.	35.6 mm
r _a max.	0.3 mm
r _b max.	0.2 mm
Basic dynamic load rating C	5.72 kN
Basic static load rating C ₀	3.05 kN
Fatigue load limit P _u	0.129 kN
Attainable speed for grease lubrication	45000 r/min
Ball diameter D _w	4.762 mm
Number of balls z	15
Preload class A G _A	35 N
Static axial stiffness, preload class A	56 N/ μ m
Preload class B G _B	70 N
Static axial stiffness, preload class B	73 N/ μ m
Preload class C G _C	140 N
Static axial stiffness, preload	95 N/ μ m



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class C	
Preload class D G_D	280 N
Static axial stiffness, preload class D	125 N/ μ m
Calculation factor f	1.05
Calculation factor f_1	0.98
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.07
Calculation factor f_{2C}	1.12
Calculation factor f_{2D}	1.17
Calculation factor f_{HC}	1.04
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	0.033 kg