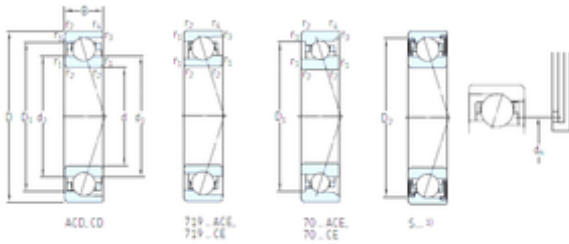


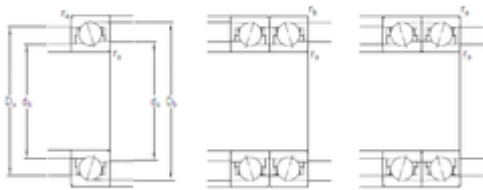


BEARING SUDAMERICANA, S.A.



80 mm x 125 mm x 22 mm SKF S7016
CD/HCP4A angular contact ball bearings

Bearing No. S7016 CD/HCP4A



S7016 CD/HCP4A Bearing 2D drawings and 3D CAD models

Size	80x125x22 mm
Bore Diameter	80 mm
Outer Diameter	125 mm
Width	22 mm
d	80 mm
D	125 mm
B	22 mm
C	22 mm
d1	93,9 mm
d2	93,9 mm
r1 min.	1,1 mm
r2 min.	1,1 mm
r3 min.	0,6 mm
r4 min.	0,6 mm
D1	111,1 mm
D2	114 mm
da min.	86 mm
Da max.	119 mm
db min	86 mm
ra max.	1 mm
rb max.	0,6 mm
dh	96,9 mm
Db max	121 mm
Weight	0,71 Kg
Basic dynamic load rating (C)	65 kN



BEARING SUDAMERICANA, S.A.

Basic static load rating (C ₀)	61 kN
(Grease) Lubrication Speed	13 000 r/min
(Oil) Lubrication Speed	20 000 r/min
Fatigue load limit (P _u)	2,55
d ₁	93.9 mm
d ₂	93.9 mm
D ₂	113.95 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	24.8 mm
d _a min.	86 mm
d _a max.	93.3 mm
d _b min.	86 mm
d _b max.	93.3 mm
D _a max.	119 mm
D _b max.	121 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	65 kN
Basic static load rating C ₀	61 kN
Fatigue load limit P _u	2.55 kN
Attainable speed for grease lubrication	13000 r/min
Ball diameter D _w	14.288 mm
Number of balls z	20
Preload class A G _A	240 N
Static axial stiffness, preload class A	102 N/ μ m
Preload class B G _B	480 N
Static axial stiffness, preload class B	139 N/ μ m
Preload class C G _C	960 N
Static axial stiffness, preload	194 N/ μ m



BEARING SUDAMERICANA, S.A.

class C	
Preload class D G_D	1920 N
Static axial stiffness, preload class D	282 N/ μ m
Calculation factor f	1.13
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1.02
Calculation factor f_0	15.5
Mass bearing	0.72 kg