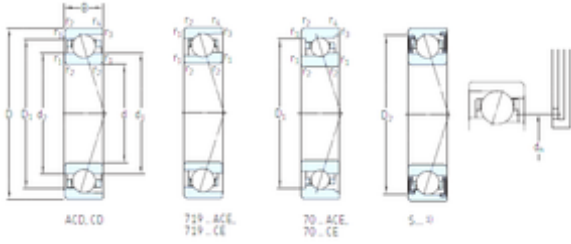


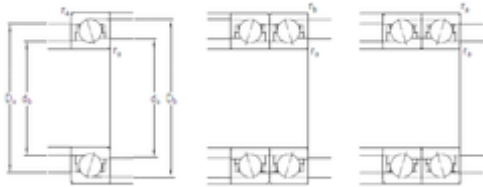


BEARING DRIVESHAFT, INC.



95 mm x 145 mm x 24 mm SKF S7019
CB/HCP4A angular contact ball bearings

Bearing No. S7019 CB/HCP4A



S7019 CB/HCP4A Bearing 2D drawings and 3D CAD models

Size	95x145x24 mm
Bore Diameter	95 mm
Outer Diameter	145 mm
Width	24 mm
d	95 mm
D	145 mm
B	24 mm
C	24 mm
d1	113,7 mm
d2	111,2 mm
r1 min.	1,5 mm
r2 min.	1,5 mm
r3 min.	1 mm
r4 min.	1 mm
D1	130 mm
D2	130 mm
da min.	102 mm
Da max.	138 mm
db min	102 mm
ra max.	1,5 mm
rb max.	1 mm
dh	115 mm
Db max	140,4 mm
Weight	1,25 Kg
Basic dynamic load rating (C)	29,6 kN



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Basic static load rating (C0)	26 kN
(Grease) Lubrication Speed	14 000 r/min
(Oil) Lubrication Speed	22 000 r/min
Fatigue load limit (Pu)	1
d ₁	113.7 mm
d ₂	111.15 mm
D ₂	130 mm
r _{1,2} min.	1.5 mm
r _{3,4} min.	1 mm
a	28.2 mm
d _a min.	102 mm
d _a max.	112.9 mm
d _b min.	102 mm
d _b max.	110.4 mm
D _a max.	138 mm
D _b max.	140.4 mm
r _a max.	1.5 mm
r _b max.	1 mm
Basic dynamic load rating C	37.7 kN
Basic static load rating C ₀	44 kN
Fatigue load limit P _u	1 kN
Attainable speed for grease lubrication	14000 r/min
Ball diameter D _w	10.319 mm
Number of balls z	26
Preload class A G _A	94 N
Static axial stiffness, preload class A	63 N/ μ m
Preload class B G _B	190 N
Static axial stiffness, preload class B	82 N/ μ m
Preload class C G _C	570 N
Static axial stiffness, preload	130 N/ μ m



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class C	
Calculation factor f	1.07
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_{HC}	1.01
Calculation factor f_0	9.7
Mass bearing	1.23 kg