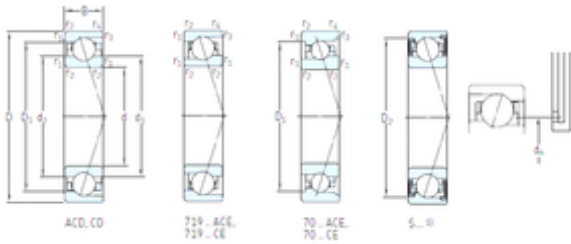


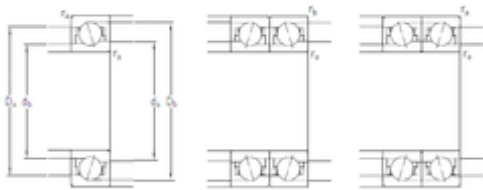


SKF DRIVESHAFT CORP



95 mm x 145 mm x 24 mm skf S7019 CB/P4A
Super-precision Angular contact ball bearings

Bearing No. S7019 CB/P4A



S7019 CB/P4A 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	1,3 Kg
Basic dynamic load rating (C)	29,6 kN



SKF DRIVESHAFT CORP

Basic static load rating (C0)	26 kN
(Grease) Lubrication Speed	12 000 r/min
(Oil) Lubrication Speed	18 000 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	12000 r/min
Ball diameter D _w	10.319 mm
Number of balls z	26
Preload class A G _A	56 N
Static axial stiffness, preload class A	56 N/ μ m
Preload class B G _B	190 N
Static axial stiffness, preload class B	74 N/ μ m
Preload class C G _C	570 N
Static axial stiffness, preload	117 N/ μ m



SKF DRIVESHAFT CORP

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
Calculation factor f_0	9.7
Mass bearing	1.3 kg