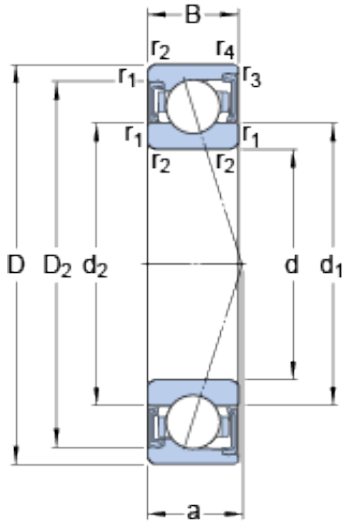




# CEBY BEARINGS INVESTMENT LTD



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

Bearing No. S7019 CD/HCP4A

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

Size	145x95x24 mm
Bore Diameter	145 mm
Outer Diameter	95 mm
Width	24 mm
d	95 mm
D	145 mm
B	24 mm
d <sub>1</sub>	110.4 mm
d <sub>2</sub>	110.4 mm
D <sub>2</sub>	133.25 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1 mm
a	28.2 mm
d <sub>a</sub> - min.	102 mm
d <sub>a</sub> - max.	109.8 mm
d <sub>b</sub> - min.	102 mm
d <sub>b</sub> - max.	109.8 mm
D <sub>a</sub> - max.	138 mm
D <sub>b</sub> - max.	141 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	81.9 kN
Basic static load rating - C <sub>0</sub>	80 kN
Fatigue load limit - P <sub>u</sub>	3.1 kN



## CEBY BEARINGS INVESTMENT LTD

Limiting speed for grease lubrication	11000 r/min
Ball - $D_w$	15.875 mm
Ball - $z$	21
Calculation factor - $f_0$	15.7
Preload class A - $G_A$	310 N
Preload class B - $G_B$	620 N
Preload class C - $G_C$	1240 N
Preload class D - $G_D$	2480 N
Calculation factor - $f$	1.15
Calculation factor - $f$	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
Preload class A	120 N/micron
Preload class B	164 N/micron
Preload class C	231 N/micron
Preload class D	335 N/micron
$d_1$	110.4 mm
$d_2$	110.4 mm
$D_2$	133.25 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	102 mm
$d_a$ max.	109.8 mm
$d_b$ min.	102 mm
$d_b$ max.	109.8 mm
$D_a$ max.	138 mm
$D_b$ max.	141 mm



## CEBY BEARINGS INVESTMENT LTD

$r_a$ max.	1.5 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	81.9 kN
Basic static load rating $C_0$	80 kN
Fatigue load limit $P_u$	3.1 kN
Attainable speed for grease lubrication	11000 r/min
Ball diameter $D_w$	15.875 mm
Number of balls z	21
Preload class A $G_A$	310 N
Static axial stiffness, preload class A	120 N/ $\mu$ m
Preload class B $G_B$	620 N
Static axial stiffness, preload class B	164 N/ $\mu$ m
Preload class C $G_C$	1240 N
Static axial stiffness, preload class C	231 N/ $\mu$ m
Preload class D $G_D$	2480 N
Static axial stiffness, preload class D	335 N/ $\mu$ m
Calculation factor f	1.15
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 $f_0$	15.7
Mass bearing	1.01 kg