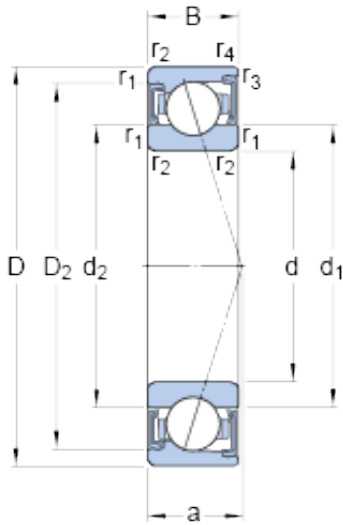




# BEARING CORP.OF CANADA LTD.



S71900 CD/HCP4A Bearing 2D drawings and 3D CAD models

## 10 mm x 22 mm x 6 mm SKF S71900 CD/HCP4A Angular contact ball bearings

Bearing No. S71900 CD/HCP4A

Size	22x10x6 mm
Bore Diameter	22 mm
Outer Diameter	10 mm
Width	6 mm
d	10 mm
D	22 mm
B	6 mm
d <sub>1</sub>	14 mm
d <sub>2</sub>	14 mm
D <sub>2</sub>	19.8 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.2 mm
a	5.2 mm
d <sub>a</sub> - min.	12 mm
d <sub>a</sub> - max.	13.6 mm
d <sub>b</sub> - min.	12 mm
d <sub>b</sub> - max.	13.6 mm
D <sub>a</sub> - max.	20 mm
D <sub>b</sub> - max.	20.6 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.2 mm
Basic dynamic load rating - C	2.5 kN
Basic static load rating - C <sub>0</sub>	1.1 kN
Fatigue load limit - P <sub>u</sub>	0.048 kN



## BEARING CORP.OF CANADA LTD.

Limiting speed for grease lubrication	80000 r/min
Ball - $D_w$	3.175 mm
Ball - z	12
Calculation factor - $f_0$	9.5
Preload class A - $G_A$	10 N
Preload class B - $G_B$	20 N
Preload class C - $G_C$	40 N
Preload class D - $G_D$	80 N
Calculation factor - f	1.03
Calculation factor - f	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.07
Calculation factor - $f_{2C}$	1.12
Calculation factor - $f_{2D}$	1.18
Calculation factor - $f_{HC}$	1.04
Preload class A	13 N/micron
Preload class B	18 N/micron
Preload class C	25 N/micron
Preload class D	35 N/micron
$d_1$	14 mm
$d_2$	14 mm
$D_2$	19.8 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.2 mm
$d_a$ min.	12 mm
$d_a$ max.	13.6 mm
$d_b$ min.	12 mm
$d_b$ max.	13.6 mm
$D_a$ max.	20 mm
$D_b$ max.	20.6 mm



## BEARING CORP.OF CANADA LTD.

$r_a$ max.	0.3 mm
$r_b$ max.	0.2 mm
Basic dynamic load rating C	2.51 kN
Basic static load rating $C_0$	1.1 kN
Fatigue load limit $P_u$	0.048 kN
Attainable speed for grease lubrication	80000 r/min
Ball diameter $D_w$	3.175 mm
Number of balls z	12
Preload class A $G_A$	10 N
Static axial stiffness, preload class A	13 N/ $\mu$ m
Preload class B $G_B$	20 N
Static axial stiffness, preload class B	18 N/ $\mu$ m
Preload class C $G_C$	40 N
Static axial stiffness, preload class C	25 N/ $\mu$ m
Preload class D $G_D$	80 N
Static axial stiffness, preload class D	35 N/ $\mu$ m
Calculation factor f	1.03
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.07
Calculation factor $f_{2C}$	1.12
Calculation factor $f_{2D}$	1.18
Calculation factor $f_{HC}$	1.04
Calculation factor $f_0$	9.5
Mass bearing	0.009 kg