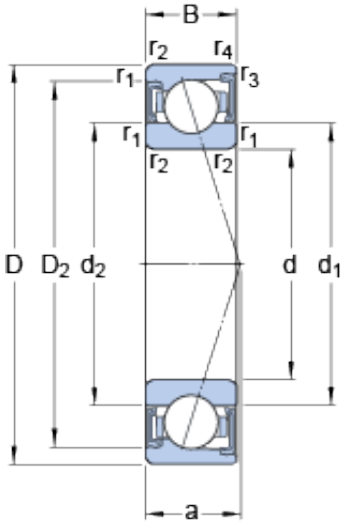




# SNR BEARING CORP.OF CANADA LTD.



## 70 mm x 125 mm x 24 mm SKF S7214 CD/HCP4A angular contact ball bearings

Bearing No. S7214 CD/HCP4A

S7214 CD/HCP4A Bearing 2D drawings and 3D CAD models

Size	125x70x24 mm
Bore Diameter	125 mm
Outer Diameter	70 mm
Width	24 mm
d	70 mm
D	125 mm
B	24 mm
d <sub>1</sub>	87.9 mm
d <sub>2</sub>	87.9 mm
D <sub>2</sub>	110.3 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	0.6 mm
a	25.1 mm
d <sub>a</sub> - min.	79 mm
d <sub>a</sub> - max.	87.1 mm
d <sub>b</sub> - min.	79 mm
d <sub>b</sub> - max.	87.1 mm
D <sub>a</sub> - max.	116 mm
D <sub>b</sub> - max.	120.8 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	0.6 mm
Basic dynamic load rating - C	68.9 kN
Basic static load rating - C <sub>0</sub>	58.5 kN
Fatigue load limit - P <sub>u</sub>	2.4 kN



## SNR BEARING CORP.OF CANADA LTD.

Limiting speed for grease lubrication	14000 r/min
Ball - $D_w$	15.875 mm
Ball - z	16
Calculation factor - $f_0$	14.8
Preload class A - $G_A$	260 N
Preload class B - $G_B$	520 N
Preload class C - $G_C$	1040 N
Preload class D - $G_D$	2080 N
Calculation factor - f	1.08
Calculation factor - f	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.01
Calculation factor - $f_{2C}$	1.03
Calculation factor - $f_{2D}$	1.06
Calculation factor - $f_{HC}$	1.01
Preload class A	92 N/micron
Preload class B	124 N/micron
Preload class C	173 N/micron
Preload class D	249 N/micron
$d_1$	87.9 mm
$d_2$	87.9 mm
$D_2$	110.3 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	79 mm
$d_a$ max.	87.1 mm
$d_b$ min.	79 mm
$d_b$ max.	87.1 mm
$D_a$ max.	116 mm
$D_b$ max.	120.8 mm



## SNR BEARING CORP.OF CANADA LTD.

$r_a$ max.	1.5 mm
$r_b$ max.	0.6 mm
Basic dynamic load rating C	68.9 kN
Basic static load rating $C_0$	58.5 kN
Fatigue load limit $P_u$	2.45 kN
Attainable speed for grease lubrication	14000 r/min
Ball diameter $D_w$	15.875 mm
Number of balls z	16
Preload class A $G_A$	260 N
Static axial stiffness, preload class A	92 N/ $\mu$ m
Preload class B $G_B$	520 N
Static axial stiffness, preload class B	124 N/ $\mu$ m
Preload class C $G_C$	1040 N
Static axial stiffness, preload class C	173 N/ $\mu$ m
Preload class D $G_D$	2080 N
Static axial stiffness, preload class D	249 N/ $\mu$ m
Calculation factor f	1.08
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.01
Calculation factor $f_{2C}$	1.03
Calculation factor $f_{2D}$	1.06
Calculation factor $f_{HC}$	1.01
Calculation factor $f_0$	14.8
Mass bearing	0.97 kg