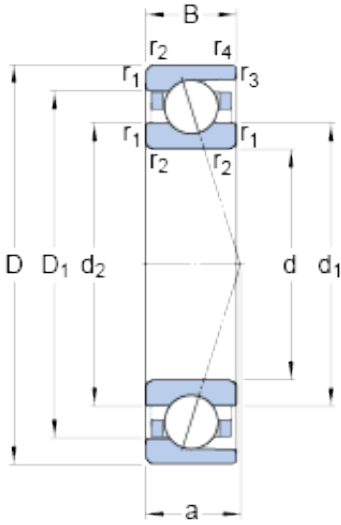




BEARING CORP.OF CANADA LTD.



7222 CD/HCP4A Bearing 2D drawings and 3D CAD models

110 mm x 200 mm x 38 mm SKF 7222 CD/HCP4A Angular contact ball bearings

Bearing No. 7222 CD/HCP4A

Size	200x110x38 mm
Bore Diameter	200 mm
Outer Diameter	110 mm
Width	38 mm
d	110 mm
D	200 mm
B	38 mm
d ₁	138.7 mm
d ₂	138.7 mm
D ₁	171.3 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
a	39.9 mm
d _a - min.	122 mm
d _b - min.	122 mm
D _a - max.	188 mm
D _b - max.	193 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	145.9 mm
Basic dynamic load rating - C	178 kN
Basic static load rating - C ₀	166 kN
Fatigue load limit - P _u	5.6 kN
Limiting speed for grease	8500 r/min



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Lubrication	
Limiting speed for oil lubrication	13000 mm/min
Ball - D_w	26.988 mm
Ball - z	16
G_{ref}	54.15 cm ³
Calculation factor - f_0	14.7
Preload class A - G_A	670 N
Preload class B - G_B	1340 N
Preload class C - G_C	2680 N
Preload class D - G_D	5360 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	150 N/micron
Preload class B	203 N/micron
Preload class C	282 N/micron
Preload class D	404 N/micron
d_1	138.7 mm
d_2	138.7 mm
D_1	171.3 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	122 mm
d_b min.	122 mm
D_a max.	188 mm



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D_b max.	193 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	145.9 mm
Basic dynamic load rating C	178 kN
Basic static load rating C_0	166 kN
Fatigue load limit P_u	5.6 kN
Attainable speed for grease lubrication	8500 r/min
Attainable speed for oil-air lubrication	13000 r/min
Ball diameter D_w	26.988 mm
Number of balls z	16
Reference grease quantity G_{ref}	54.15 cm ³
Preload class A G_A	670 N
Static axial stiffness, preload class A	150 N/ μ m
Preload class B G_B	1340 N
Static axial stiffness, preload class B	203 N/ μ m
Preload class C G_C	2680 N
Static axial stiffness, preload class C	282 N/ μ m
Preload class D G_D	5360 N
Static axial stiffness, preload class D	404 N/ μ 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



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Calculation factor f_0	14.7
Mass bearing	3.86 kg