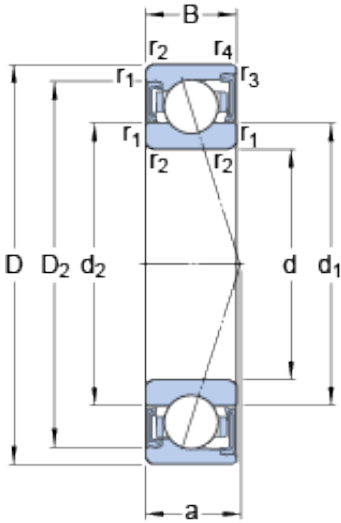




NTL BEARINGS LTD.

S7212 CD/HCP4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S7212 CD/HCP4A



S7212 CD/HCP4A Bearing 2D drawings and 3D CAD models

Size	110x60x22 mm
Bore Diameter	110 mm
Outer Diameter	60 mm
Width	22 mm
d	60 mm
D	110 mm
B	22 mm
d ₁	76.4 mm
d ₂	76.4 mm
D ₂	96.8 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	0.6 mm
a	22.5 mm
d _a - min.	69 mm
d _a - max.	75.6 mm
d _b - min.	69 mm
d _b - max.	75.6 mm
D _a - max.	101 mm
D _b - max.	105.8 mm
r _a - max.	1.5 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	57.2 kN
Basic static load rating - C ₀	46.5 kN
Fatigue load limit - P _u	2 kN



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Limiting speed for grease lubrication	16000 r/min
Ball - D_w	14.288 mm
Ball - z	16
Calculation factor - f_0	14.9
Preload class A - G_A	215 N
Preload class B - G_B	430 N
Preload class C - G_C	860 N
Preload class D - G_D	1720 N
Calculation factor - f	1.07
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	83 N/micron
Preload class B	113 N/micron
Preload class C	158 N/micron
Preload class D	228 N/micron
d_1	76.4 mm
d_2	76.4 mm
D_2	96.8 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	69 mm
d_a max.	75.6 mm
d_b min.	69 mm
d_b max.	75.6 mm
D_a max.	101 mm
D_b max.	105.8 mm



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r_a max.	1.5 mm
r_b max.	0.6 mm
Basic dynamic load rating C	57.2 kN
Basic static load rating C_0	46.5 kN
Fatigue load limit P_u	2 kN
Attainable speed for grease lubrication	16000 r/min
Ball diameter D_w	14.288 mm
Number of balls z	16
Preload class A G_A	215 N
Static axial stiffness, preload class A	83 N/ μ m
Preload class B G_B	430 N
Static axial stiffness, preload class B	113 N/ μ m
Preload class C G_C	860 N
Static axial stiffness, preload class C	158 N/ μ m
Preload class D G_D	1720 N
Static axial stiffness, preload class D	228 N/ μ m
Calculation factor f	1.07
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	14.9
Mass bearing	0.71 kg