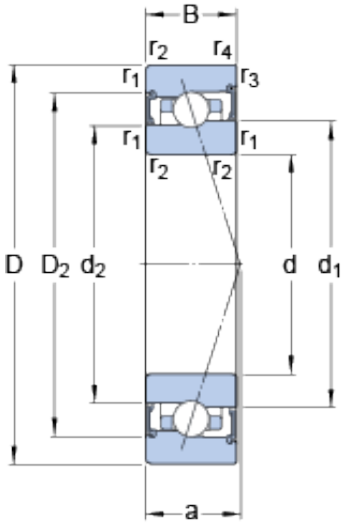




NTL BEARINGS LTD.

S7012 CB/P4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S7012 CB/P4A



S7012 CB/P4A Bearing 2D drawings and 3D CAD models

Size	95x60x18 mm
Bore Diameter	95 mm
Outer Diameter	60 mm
Width	18 mm
d	60 mm
D	95 mm
B	18 mm
d ₁	73.18 mm
d ₂	71.65 mm
D ₂	84.39 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	19.5 mm
d _a - min.	66 mm
d _a - max.	72.6 mm
d _b - min.	66 mm
d _b - max.	71.1 mm
D _a - max.	89 mm
D _b - max.	91.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	14.6 kN
Basic static load rating - C ₀	12 kN
Fatigue load limit - P _u	0.51 kN



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Limiting speed for grease lubrication	19000 r/min
Ball - D_w	6.747 mm
Ball - z	28
Calculation factor - f_0	9.7
Preload class A - G_A	41 N
Preload class B - G_B	96 N
Preload class C - G_C	290 N
Calculation factor - f	1.06
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	41 N/micron
Preload class B	54 N/micron
Preload class C	86 N/micron
d_1	73.18 mm
d_2	71.65 mm
D_2	84.39 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	66 mm
d_a max.	72.6 mm
d_b min.	66 mm
d_b max.	71.1 mm
D_a max.	89 mm
D_b max.	91.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	19.5 kN



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Basic static load rating C_0	20 kN
Fatigue load limit P_u	0.51 kN
Attainable speed for grease lubrication	19000 r/min
Ball diameter D_w	6.747 mm
Number of balls z	28
Preload class A G_A	41 N
Static axial stiffness, preload class A	41 N/ μ m
Preload class B G_B	96 N
Static axial stiffness, preload class B	54 N/ μ m
Preload class C G_C	290 N
Static axial stiffness, preload class C	86 N/ μ m
Calculation factor f	1.06
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_{HC}	1
Calculation factor f_0	9.7
Mass bearing	0.45 kg