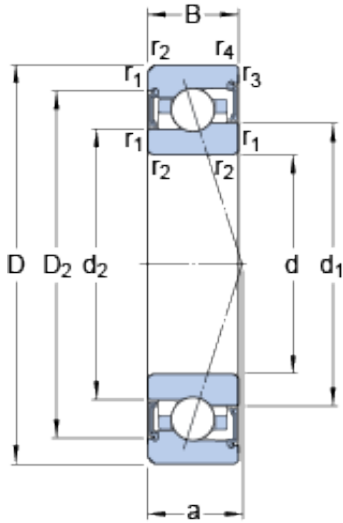




NTL BEARINGS LTD.

S7012 CE/P4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S7012 CE/P4A



S7012 CE/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	72.74 mm
d ₂	70.6 mm
D ₂	85.4 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.	72.1 mm
d _b - min.	66 mm
d _b - max.	70 mm
D _a - max.	89 mm
D _b - max.	90.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	17.2 kN
Basic static load rating - C ₀	12.9 kN
Fatigue load limit - P _u	0.54 kN



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Limiting speed for grease lubrication	20000 r/min
Ball - D_w	7.938 mm
Ball - z	25
Calculation factor - f_0	8.5
Preload class A - G_A	92 N
Preload class B - G_B	275 N
Preload class C - G_C	550 N
Calculation factor - f	1.08
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	48 N/micron
Preload class B	75 N/micron
Preload class C	101 N/micron
d_1	72.74 mm
d_2	70.6 mm
D_2	85.4 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	66 mm
d_a max.	72.1 mm
d_b min.	66 mm
d_b max.	70 mm
D_a max.	89 mm
D_b max.	90.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	17.2 kN



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Basic static load rating C_0	12.9 kN
Fatigue load limit P_u	0.54 kN
Attainable speed for grease lubrication	20000 r/min
Ball diameter D_w	7.938 mm
Number of balls z	25
Preload class A G_A	92 N
Static axial stiffness, preload class A	48 N/ μ m
Preload class B G_B	275 N
Static axial stiffness, preload class B	75 N/ μ m
Preload class C G_C	550 N
Static axial stiffness, preload class C	101 N/ μ m
Calculation factor f	1.08
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	8.5
Mass bearing	0.43 kg