



NTN Bearing de Mexico, S.A.



71812 CD/P4 Bearing 2D drawings and 3D CAD models

60 mm x 78 mm x 10 mm SKF 71812 CD/P4
angular contact ball bearings

Bearing No. 71812 CD/P4

Size	78x60x10 mm
Bore Diameter	78 mm
Outer Diameter	60 mm
Width	10 mm
d	60 mm
D	78 mm
B	10 mm
d ₁	65.7 mm
d ₂	65.7 mm
D ₁	72.5 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.15 mm
a	14.3 mm
d _a - min.	62 mm
d _b - min.	62 mm
D _a - max.	76 mm
D _b - max.	77.2 mm
r _a - max.	0.3 mm
r _b - max.	0.15 mm
d _n	66.4 mm
Basic dynamic load rating - C	13.5 kN
Basic static load rating - C ₀	14.3 kN
Fatigue load limit - P _u	0.6 kN
Limiting speed for grease	16000 r/min



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Lubrication	
Limiting speed for oil lubrication	24000 mm/min
Ball - D_w	5.556 mm
Ball - z	28
G_{ref}	1.2 cm ³
Calculation factor - f_0	17
Preload class A - G_A	70 N
Preload class B - G_B	210 N
Preload class C - G_C	420 N
Calculation factor - f	1.3
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.09
Calculation factor - f_{2C}	1.16
Calculation factor - f_{HC}	1
Preload class A	59 N/micron
Preload class B	103 N/micron
Preload class C	152 N/micron
d_1	65.7 mm
d_2	65.7 mm
D_1	72.5 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
d_a min.	62 mm
d_b min.	62 mm
D_a max.	76 mm
D_b max.	77.2 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	66.4 mm



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Basic dynamic load rating C	13.5 kN
Basic static load rating C_0	14.3 kN
Fatigue load limit P_u	0.6 kN
Attainable speed for grease lubrication	16000 r/min
Attainable speed for oil-air lubrication	24000 r/min
Ball diameter D_w	5.556 mm
Number of balls z	28
Reference grease quantity G_{ref}	1.2 cm ³
Preload class A G_A	70 N
Static axial stiffness, preload class A	59 N/ μ m
Preload class B G_B	210 N
Static axial stiffness, preload class B	103 N/ μ m
Preload class C G_C	420 N
Static axial stiffness, preload class C	152 N/ μ m
Calculation factor f	1.3
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.09
Calculation factor f_{2C}	1.16
Calculation factor f_{HC}	1
Calculation factor f_0	17
Mass bearing	0.1 kg