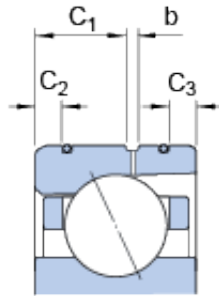
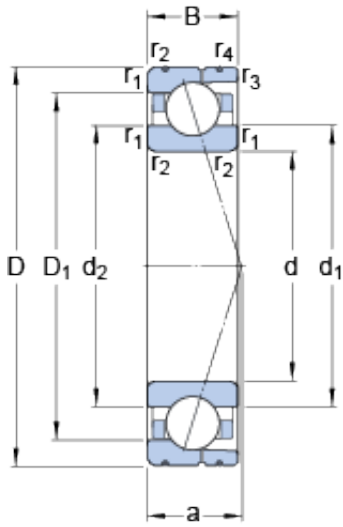




NTL BEARINGS LTD.



71913 CD/P4AL SKF High Speed Angular Contact Ball Bearings

Bearing No. 71913 CD/P4AL

71913 CD/P4AL Bearing 2D drawings and 3D CAD models

Size	90x65x13 mm
Bore Diameter	90 mm
Outer Diameter	65 mm
Width	13 mm
d	65 mm
D	90 mm
B	13 mm
d ₁	72.7 mm
d ₂	72.7 mm
D ₁	82.3 mm
b	2.2 mm
C ₁	6.5 mm
C ₂	3.2 mm
C ₃	2 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.3 mm
a	17 mm
d _a - min.	69.6 mm
d _b - min.	69.6 mm
D _a - max.	85.4 mm
D _b - max.	88 mm
r _a - max.	1 mm
r _b - max.	0.3 mm
d _n	74.7 mm



NTL BEARINGS LTD.

Basic dynamic load rating - C	20.8 kN
Basic static load rating - C ₀	17 kN
Fatigue load limit - P _u	0.71 kN
Limiting speed for grease lubrication	14000 r/min
Limiting speed for oil lubrication	22000 mm/min
Ball - D _w	7.938 mm
Ball - z	26
G _{ref}	2.85 cm ³
Calculation factor - f ₀	10.7
Preload class A - G _A	80 N
Preload class B - G _B	160 N
Preload class C - G _C	320 N
Preload class D - G _D	640 N
Calculation factor - f	1.2
Calculation factor - f	1
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.04
Calculation factor - f _{2C}	1.09
Calculation factor - f _{2D}	1.15
Calculation factor - f _{HC}	1
Preload class A	56 N/micron
Preload class B	75 N/micron
Preload class C	104 N/micron
Preload class D	148 N/micron
d ₁	72.7 mm
d ₂	72.7 mm
D ₁	82.3 mm
C ₁	6.5 mm



NTL BEARINGS LTD.

C_2	3.2 mm
C_3	2 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	69.6 mm
d_b min.	69.6 mm
D_a max.	85.4 mm
D_b max.	88 mm
r_a max.	1 mm
r_b max.	0.3 mm
d_n	74.7 mm
Basic dynamic load rating C	20.8 kN
Basic static load rating C_0	17 kN
Fatigue load limit P_u	0.71 kN
Attainable speed for grease lubrication	14000 r/min
Attainable speed for oil-air lubrication	22000 r/min
Ball diameter D_w	7.938 mm
Number of balls z	26
Reference grease quantity G_{ref}	2.85 cm ³
Preload class A G_A	80 N
Static axial stiffness, preload class A	56 N/ μ m
Preload class B G_B	160 N
Static axial stiffness, preload class B	75 N/ μ m
Preload class C G_C	320 N
Static axial stiffness, preload class C	104 N/ μ m
Preload class D G_D	640 N
Static axial stiffness, preload class D	148 N/ μ m



NTL BEARINGS LTD.

Calculation factor f	1.2
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1
Calculation factor f_0	10.7
Mass bearing	0.21 kg