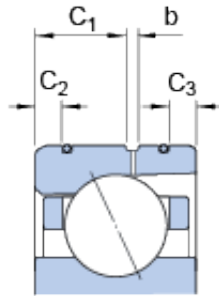
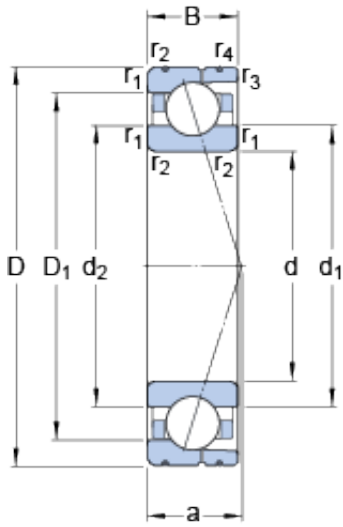




NTL BEARINGS LTD.



71915 CD/P4AL SKF High Speed Angular Contact Ball Bearings

Bearing No. 71915 CD/P4AL

71915 CD/P4AL Bearing 2D drawings and 3D CAD models

Size	105x75x16 mm
Bore Diameter	105 mm
Outer Diameter	75 mm
Width	16 mm
d	75 mm
D	105 mm
B	16 mm
d ₁	84.2 mm
d ₂	84.2 mm
D ₁	95.8 mm
b	2 mm
C ₁	8.6 mm
C ₂	3.5 mm
C ₃	2.8 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.3 mm
a	20.1 mm
d _a - min.	79.6 mm
d _b - min.	79.6 mm
D _a - max.	100 mm
D _b - max.	103 mm
r _a - max.	1 mm
r _b - max.	0.3 mm
d _n	86.7 mm



NTL BEARINGS LTD.

Basic dynamic load rating - C	35.8 kN
Basic static load rating - C ₀	37.5 kN
Fatigue load limit - P _u	1.6 kN
Limiting speed for grease lubrication	12000 r/min
Limiting speed for oil lubrication	19000 mm/min
Ball - D _w	9.525 mm
Ball - z	26
G _{ref}	5.1 cm ³
Calculation factor - f ₀	16.3
Preload class A - G _A	130 N
Preload class B - G _B	260 N
Preload class C - G _C	520 N
Preload class D - G _D	1040 N
Calculation factor - f	1.21
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	80 N/micron
Preload class B	110 N/micron
Preload class C	156 N/micron
Preload class D	228 N/micron
d ₁	84.2 mm
d ₂	84.2 mm
D ₁	95.8 mm
C ₁	8.6 mm



NTL BEARINGS LTD.

C_2	3.5 mm
C_3	2.8 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	79.6 mm
d_b min.	79.6 mm
D_a max.	100 mm
D_b max.	103 mm
r_a max.	1 mm
r_b max.	0.3 mm
d_n	86.7 mm
Basic dynamic load rating C	35.8 kN
Basic static load rating C_0	37.5 kN
Fatigue load limit P_u	1.56 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	19000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	26
Reference grease quantity G_{ref}	5.1 cm ³
Preload class A G_A	130 N
Static axial stiffness, preload class A	80 N/ μ m
Preload class B G_B	260 N
Static axial stiffness, preload class B	110 N/ μ m
Preload class C G_C	520 N
Static axial stiffness, preload class C	156 N/ μ m
Preload class D G_D	1040 N
Static axial stiffness, preload class D	228 N/ μ m



NTL BEARINGS LTD.

Calculation factor f	1.21
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	16.3
Mass bearing	0.35 kg