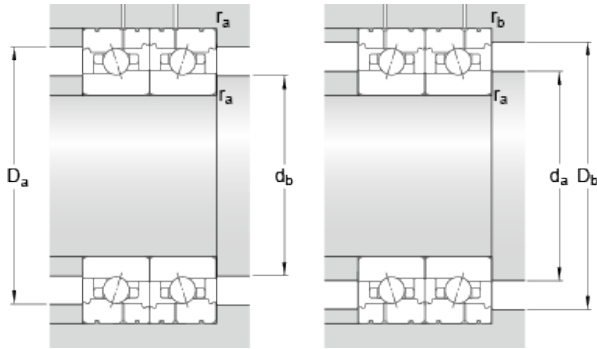




NTL BEARINGS LTD.



71914 CB/HCP4AL SKF High Speed Angular Contact Ball Bearings

Bearing No. 71914 CB/HCP4AL

71914 CB/HCP4AL Bearing 2D drawings and 3D CAD models

d	70 mm
D	100 mm
B	16 mm
d ₁	80.94 mm
d ₂	79.55 mm
D ₂	91.66 mm
b	1.5 mm
C ₁	8.6 mm
C ₂	3.8 mm
C ₃	1.7 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.3 mm
a	22.2 mm
d _a min.	74.6 mm
d _b min.	74.6 mm
D _a max.	95.4 mm
D _b max.	98 mm
r _a max.	1 mm
r _b max.	0.3 mm
d _n	81.9 mm
Basic dynamic load rating C	18.2 kN
Basic static load rating C ₀	20 kN
Fatigue load limit P _u	0.52 kN
Attainable speed for grease lubrication	22000 r/min
Attainable speed for oil-air	32000 r/min



NTL BEARINGS LTD.

Lubrication	
Ball diameter D_w	6.35 mm
Number of balls z	32
Reference grease quantity G_{ref}	4.49 cm ³
Preload class A G_A	45 N
Static axial stiffness, preload class A	48 N/ μ m
Preload class B G_B	90 N
Static axial stiffness, preload class B	63 N/ μ m
Preload class C G_C	270 N
Static axial stiffness, preload class C	101 N/ μ m
Calculation factor f	1.1
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1.01
Calculation factor f_0	9.9
Mass bearing	0.33 kg