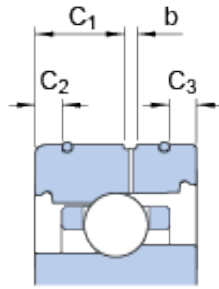
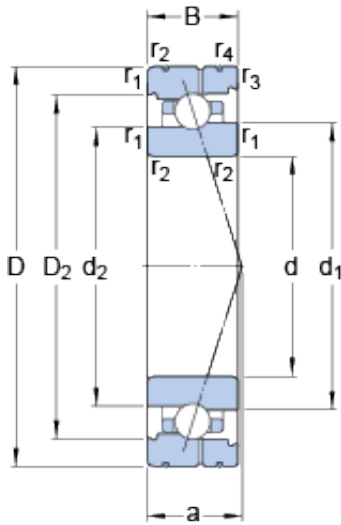




# NTN Driveshaft CORP.



65 mm x 90 mm x 13 mm SKF 71913 CB/P4AL  
angular contact ball bearings

Bearing No. 71913 CB/P4AL

71913 CB/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 <sub>1</sub>	73.94 mm
d <sub>2</sub>	72.72 mm
D <sub>2</sub>	83.46 mm
b	2 mm
C <sub>1</sub>	6.5 mm
C <sub>2</sub>	3.8 mm
C <sub>3</sub>	1.7 mm
r <sub>1,2</sub> - min.	1 mm
r <sub>3,4</sub> - min.	0.3 mm
a	20.1 mm
d <sub>a</sub> - min.	69.6 mm
d <sub>b</sub> - min.	69.6 mm
D <sub>a</sub> - max.	85.4 mm
D <sub>b</sub> - max.	88 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.3 mm
d <sub>n</sub>	74.8 mm



## NTN Driveshaft CORP.

Basic dynamic load rating - C	10.6 kN
Basic static load rating - C <sub>0</sub>	9.5 kN
Fatigue load limit - P <sub>u</sub>	0.4 kN
Limiting speed for grease lubrication	20000 r/min
Limiting speed for oil lubrication	30000 mm/min
Ball - D <sub>w</sub>	5.556 mm
Ball - z	32
G <sub>ref</sub>	2.96 cm <sup>3</sup>
Calculation factor - f <sub>0</sub>	9.9
Preload class A - G <sub>A</sub>	35 N
Preload class B - G <sub>B</sub>	70 N
Preload class C - G <sub>C</sub>	210 N
Calculation factor - f	1.13
Calculation factor - f	1
Calculation factor - f <sub>2A</sub>	1
Calculation factor - f <sub>2B</sub>	1.02
Calculation factor - f <sub>2C</sub>	1.07
Calculation factor - f <sub>HC</sub>	1
Preload class A	38 N/micron
Preload class B	51 N/micron
Preload class C	81 N/micron
d <sub>1</sub>	73.94 mm
d <sub>2</sub>	72.72 mm
D <sub>2</sub>	83.46 mm
C <sub>1</sub>	6.5 mm
C <sub>2</sub>	3.8 mm
C <sub>3</sub>	1.7 mm
r <sub>1,2</sub> min.	1 mm



## NTN Driveshaft CORP.

$r_{3,4}$ 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
$d_n$	74.8 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating $C_0$	15.3 kN
Fatigue load limit $P_u$	0.4 kN
Attainable speed for grease lubrication	20000 r/min
Attainable speed for oil-air lubrication	30000 r/min
Ball diameter $D_w$	5.556 mm
Number of balls z	32
Reference grease quantity $G_{ref}$	2.96 cm <sup>3</sup>
Preload class A $G_A$	35 N
Static axial stiffness, preload class A	38 N/ $\mu$ m
Preload class B $G_B$	70 N
Static axial stiffness, preload class B	51 N/ $\mu$ m
Preload class C $G_C$	210 N
Static axial stiffness, preload class C	81 N/ $\mu$ m
Calculation factor f	1.13
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.07
Calculation factor $f_{HC}$	1



## NTN Driveshaft CORP.

Calculation factor $f_0$	9.9
Mass bearing	0.21 kg