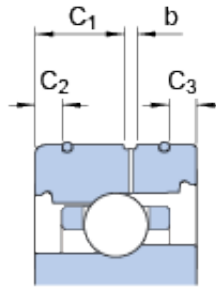
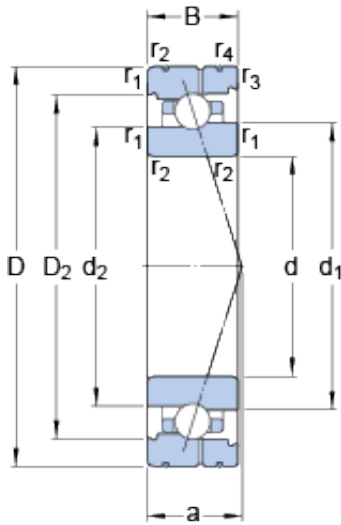




# NTN Driveshaft CORP.



## 50 mm x 72 mm x 12 mm SKF 71910 ACB/P4AL angular contact ball bearings

Bearing No. 71910 ACB/P4AL

71910 ACB/P4AL Bearing 2D drawings and 3D CAD models

Size	72x50x12 mm
Bore Diameter	72 mm
Outer Diameter	50 mm
Width	12 mm
d	50 mm
D	72 mm
B	12 mm
d <sub>1</sub>	57.95 mm
d <sub>2</sub>	56.9 mm
D <sub>2</sub>	66.04 mm
b	2 mm
C <sub>1</sub>	5.9 mm
C <sub>2</sub>	2.8 mm
C <sub>3</sub>	1.7 mm
r <sub>1,2</sub> - min.	0.6 mm
r <sub>3,4</sub> - min.	0.3 mm
a	23.2 mm
d <sub>a</sub> - min.	53.2 mm
d <sub>b</sub> - min.	53.2 mm
D <sub>a</sub> - max.	68.8 mm
D <sub>b</sub> - max.	70 mm
r <sub>a</sub> - max.	0.6 mm
r <sub>b</sub> - max.	0.3 mm
d <sub>n</sub>	58.7 mm



## NTN Driveshaft CORP.

Basic dynamic load rating - C	7.3 kN
Basic static load rating - C <sub>0</sub>	5.8 kN
Fatigue load limit - P <sub>u</sub>	0.25 kN
Limiting speed for grease lubrication	22000 r/min
Limiting speed for oil lubrication	36000 mm/min
Ball - D <sub>w</sub>	4.762 mm
Ball - z	29
G <sub>ref</sub>	1.89 cm <sup>3</sup>
Calculation factor - e	0.68
Calculation factor - Y <sub>2</sub>	0.87
Calculation factor - Y <sub>0</sub>	0.38
Calculation factor - X <sub>2</sub>	0.41
Calculation factor - Y <sub>1</sub>	0.92
Calculation factor - Y <sub>2</sub>	1.41
Calculation factor - Y <sub>0</sub>	0.76
Calculation factor - X <sub>2</sub>	0.67
Preload class A - G <sub>A</sub>	43 N
Preload class B - G <sub>B</sub>	86 N
Preload class C - G <sub>C</sub>	260 N
Calculation factor - f	1.09
Calculation factor - f <sub>1</sub>	0.99
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	79 N/micron
Preload class B	102 N/micron



## NTN Driveshaft CORP.

Preload class C	155 N/micron
$d_1$	57.95 mm
$d_2$	56.9 mm
$D_2$	66.04 mm
$C_1$	5.9 mm
$C_2$	2.8 mm
$C_3$	1.7 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
$d_a$ min.	53.2 mm
$d_b$ min.	53.2 mm
$D_a$ max.	68.8 mm
$D_b$ max.	70 mm
$r_a$ max.	0.6 mm
$r_b$ max.	0.3 mm
$d_n$	58.7 mm
Basic dynamic load rating C	9.75 kN
Basic static load rating $C_0$	9.65 kN
Fatigue load limit $P_u$	0.25 kN
Attainable speed for grease lubrication	22000 r/min
Attainable speed for oil-air lubrication	36000 r/min
Ball diameter $D_w$	4.762 mm
Number of balls z	29
Reference grease quantity $G_{ref}$	1.89 cm <sup>3</sup>
Preload class A $G_A$	43 N
Static axial stiffness, preload class A	79 N/ $\mu$ m
Preload class B $G_B$	86 N
Static axial stiffness, preload class B	102 N/ $\mu$ m
Preload class C $G_C$	260 N



## NTN Driveshaft CORP.

Static axial stiffness, preload class C	155 N/ $\mu$ m
Calculation factor f	1.09
Calculation factor $f_1$	0.99
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.07
Calculation factor $f_{HC}$	1
Calculation factor e	0.68
Calculation factor (single, tandem) $Y_2$	0.87
Calculation factor (single, tandem) $Y_0$	0.38
Calculation factor (single, tandem) $X_2$	0.41
Calculation factor (back-to-back, face-to-face) $Y_1$	0.92
Calculation factor (back-to-back, face-to-face) $Y_2$	1.41
Calculation factor (back-to-back, face-to-face) $Y_0$	0.76
Calculation factor (back-to-back, face-to-face) $X_2$	0.67
Mass bearing	0.13 kg