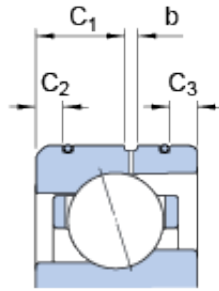
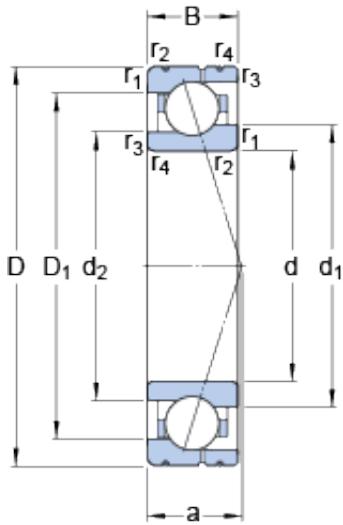




# NTN BEARING CORP.OF AMERICA



35 mm x 55 mm x 10 mm SKF 71907 CE/P4AL  
angular contact ball bearings

Bearing No. 71907 CE/P4AL

71907 CE/P4AL Bearing 2D drawings and 3D CAD models

Size	55x35x10 mm
Bore Diameter	55 mm
Outer Diameter	35 mm
Width	10 mm
d	35 mm
D	55 mm
B	10 mm
d <sub>1</sub>	41.7 mm
d <sub>2</sub>	40.2 mm
D <sub>1</sub>	48.29 mm
b	1.6 mm
C <sub>1</sub>	5.1 mm
C <sub>2</sub>	1.8 mm
C <sub>3</sub>	1.2 mm
r <sub>1,2</sub> - min.	0.6 mm
r <sub>3,4</sub> - min.	0.3 mm
a	11.4 mm
d <sub>a</sub> - min.	38.2 mm
d <sub>b</sub> - min.	37 mm
D <sub>a</sub> - max.	51.8 mm
D <sub>b</sub> - max.	53 mm
r <sub>a</sub> - max.	0.6 mm
r <sub>b</sub> - max.	0.3 mm
d <sub>n</sub>	43 mm



## NTN BEARING CORP.OF AMERICA

Basic dynamic load rating - C	7.6 kN
Basic static load rating - C <sub>0</sub>	4.8 kN
Fatigue load limit - P <sub>u</sub>	0.2 kN
Limiting speed for grease lubrication	36000 r/min
Limiting speed for oil lubrication	54000 mm/min
Ball - D <sub>w</sub>	5.556 mm
Ball - z	19
G <sub>ref</sub>	0.8 cm <sup>3</sup>
Calculation factor - f <sub>0</sub>	8.3
Preload class A - G <sub>A</sub>	41 N
Preload class B - G <sub>B</sub>	125 N
Preload class C - G <sub>C</sub>	250 N
Calculation factor - f	1.05
Calculation factor - f	1
Calculation factor - f <sub>2A</sub>	1
Calculation factor - f <sub>2B</sub>	1.04
Calculation factor - f <sub>2C</sub>	1.08
Calculation factor - f <sub>HC</sub>	1
Preload class A	28 N/micron
Preload class B	43 N/micron
Preload class C	59 N/micron
d <sub>1</sub>	41.7 mm
d <sub>2</sub>	40.2 mm
D <sub>1</sub>	48.29 mm
C <sub>1</sub>	5.1 mm
C <sub>2</sub>	1.8 mm
C <sub>3</sub>	1.2 mm
r <sub>1,2</sub> min.	0.6 mm



## NTN BEARING CORP.OF AMERICA

$r_{3,4}$ min.	0.3 mm
$d_a$ min.	38.2 mm
$d_b$ min.	37 mm
$D_a$ max.	51.8 mm
$D_b$ max.	53 mm
$r_a$ max.	0.6 mm
$r_b$ max.	0.3 mm
$d_n$	43 mm
Basic dynamic load rating C	7.61 kN
Basic static load rating $C_0$	4.75 kN
Fatigue load limit $P_u$	0.2 kN
Attainable speed for grease lubrication	36000 r/min
Attainable speed for oil-air lubrication	54000 r/min
Ball diameter $D_w$	5.556 mm
Number of balls z	19
Reference grease quantity $G_{ref}$	0.8 cm <sup>3</sup>
Preload class A $G_A$	41 N
Static axial stiffness, preload class A	28 N/ $\mu$ m
Preload class B $G_B$	125 N
Static axial stiffness, preload class B	43 N/ $\mu$ m
Preload class C $G_C$	250 N
Static axial stiffness, preload class C	59 N/ $\mu$ m
Calculation factor f	1.05
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.08
Calculation factor $f_{HC}$	1



## NTN BEARING CORP.OF AMERICA

Calculation factor $f_0$	8.3
Mass bearing	0.075 kg