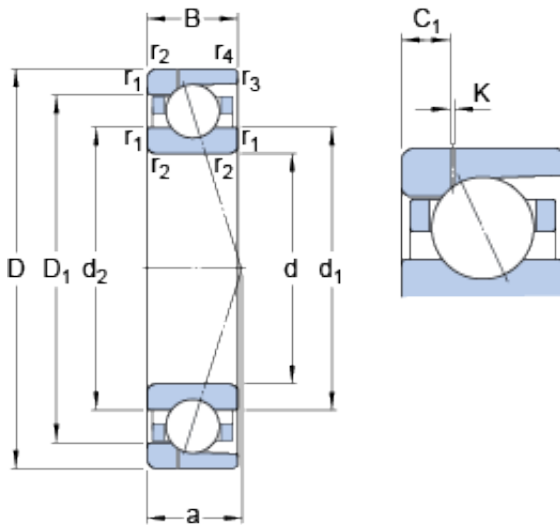




# AMERICAN NTN BEARING LTD



170 mm x 260 mm x 42 mm SKF 7034  
CD/P4AH1 angular contact ball bearings

Bearing No. 7034 CD/P4AH1

7034 CD/P4AH1 Bearing 2D drawings and 3D CAD models

Size	260x170x42 mm
Bore Diameter	260 mm
Outer Diameter	170 mm
Width	42 mm
d	170 mm
D	260 mm
B	42 mm
d <sub>1</sub>	198.7 mm
d <sub>2</sub>	198.7 mm
D <sub>1</sub>	231.3 mm
K	0.6 mm
C <sub>1</sub>	11.8 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
a	49.9 mm
d <sub>a</sub> - min.	181 mm
d <sub>b</sub> - min.	181 mm
D <sub>a</sub> - max.	249 mm
D <sub>b</sub> - max.	254 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	205.8 mm
Basic dynamic load rating - C	212 kN
Basic static load rating - C <sub>0</sub>	245 kN



## AMERICAN NTN BEARING LTD

Fatigue load limit - $P_u$	7.1 kN
Limiting speed for grease lubrication	5300 r/min
Limiting speed for oil lubrication	8000 mm/min
Ball - $D_w$	26.988 mm
Ball - $z$	22
$G_{ref}$	84 cm <sup>3</sup>
Calculation factor - $f_0$	15.9
Preload class A - $G_A$	800 N
Preload class B - $G_B$	1600 N
Preload class C - $G_C$	3200 N
Preload class D - $G_D$	6400 N
Calculation factor - $f$	1.14
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2C}$	1.05
Calculation factor - $f_{2D}$	1.09
Calculation factor - $f_{HC}$	1
Preload class A	179 N/micron
Preload class B	243 N/micron
Preload class C	339 N/micron
Preload class D	488 N/micron
$d_1$	198.7 mm
$d_2$	198.7 mm
$D_1$	231.3 mm
$C_1$	11.8 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
$d_a$ min.	181 mm



## AMERICAN NTN BEARING LTD

$d_b$ min.	181 mm
$D_a$ max.	249 mm
$D_b$ max.	254 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
$d_n$	205.8 mm
Basic dynamic load rating C	212 kN
Basic static load rating $C_0$	245 kN
Fatigue load limit $P_u$	7.1 kN
Attainable speed for grease lubrication	5300 r/min
Attainable speed for oil-air lubrication	8000 r/min
Ball diameter $D_w$	26.988 mm
Number of balls z	22
Reference grease quantity $G_{ref}$	84 cm <sup>3</sup>
Preload class A $G_A$	800 N
Static axial stiffness, preload class A	179 N/ $\mu$ m
Preload class B $G_B$	1600 N
Static axial stiffness, preload class B	243 N/ $\mu$ m
Preload class C $G_C$	3200 N
Static axial stiffness, preload class C	339 N/ $\mu$ m
Preload class D $G_D$	6400 N
Static axial stiffness, preload class D	488 N/ $\mu$ m
Calculation factor f	1.14
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05



## AMERICAN NTN BEARING LTD

Calculation factor $f_{2D}$	1.09
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	15.9
Mass bearing	6.99 kg