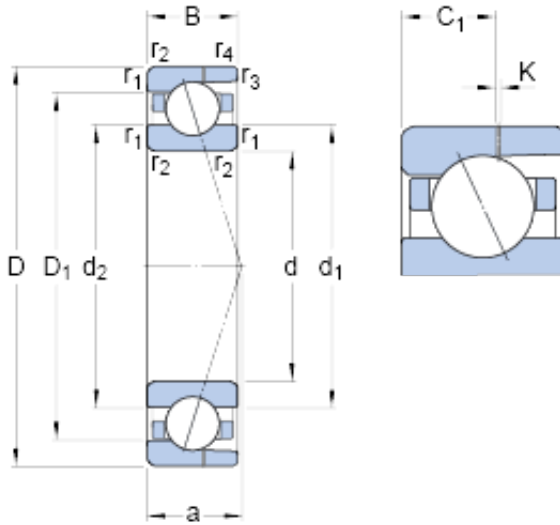




# NTN Bearing Rolamentos do Brasil Ltda.



6 mm x 17 mm x 6 mm skf 706 CD/P4AH Super-precision Angular contact ball bearings

Bearing No. 706 CD/P4AH

706 CD/P4AH Bearing 2D drawings and 3D CAD models

Size	17x6x6 mm
Bore Diameter	17 mm
Outer Diameter	6 mm
Width	6 mm
d	6 mm
D	17 mm
B	6 mm
d <sub>1</sub>	9.5 mm
d <sub>2</sub>	9.5 mm
D <sub>1</sub>	13.5 mm
K	0.5 mm
C <sub>1</sub>	3.65 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.15 mm
a	4.6 mm
d <sub>a</sub> - min.	8 mm
d <sub>b</sub> - min.	8 mm
D <sub>a</sub> - max.	15 mm
D <sub>b</sub> - max.	16.2 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.15 mm
d <sub>n</sub>	10.3 mm
Basic dynamic load rating - C	2 kN
Basic static load rating - C <sub>0</sub>	0.765 kN



## NTN Bearing Rolamentos do Brasil Ltda.

Fatigue load limit - $P_u$	0.032 kN
Limiting speed for grease lubrication	120000 r/min
Limiting speed for oil lubrication	180000 mm/min
Ball - $D_w$	3.175 mm
Ball - $z$	8
$G_{ref}$	0.09 cm <sup>3</sup>
Calculation factor - $f_0$	8.3
Preload class A - $G_A$	7 N
Preload class B - $G_B$	13 N
Preload class C - $G_C$	25 N
Preload class D - $G_D$	50 N
Calculation factor - $f$	1.01
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	8 N/micron
Preload class B	11 N/micron
Preload class C	14 N/micron
Preload class D	20 N/micron
$d_1$	9.5 mm
$d_2$	9.5 mm
$D_1$	13.5 mm
$C_1$	3.65 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
$d_a$ min.	8 mm



## NTN Bearing Rolamentos do Brasil Ltda.

$d_b$ min.	8 mm
$D_a$ max.	15 mm
$D_b$ max.	16.2 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.15 mm
$d_n$	10.3 mm
Basic dynamic load rating C	2.03 kN
Basic static load rating $C_0$	0.765 kN
Fatigue load limit $P_u$	0.032 kN
Attainable speed for grease lubrication	120000 r/min
Attainable speed for oil-air lubrication	180000 r/min
Ball diameter $D_w$	3.175 mm
Number of balls z	8
Reference grease quantity $G_{ref}$	0.09 cm <sup>3</sup>
Preload class A $G_A$	7 N
Static axial stiffness, preload class A	8 N/ $\mu$ m
Preload class B $G_B$	13 N
Static axial stiffness, preload class B	11 N/ $\mu$ m
Preload class C $G_C$	25 N
Static axial stiffness, preload class C	14 N/ $\mu$ m
Preload class D $G_D$	50 N
Static axial stiffness, preload class D	20 N/ $\mu$ m
Calculation factor f	1.01
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05



## NTN Bearing Rolamentos do Brasil Ltda.

Calculation factor $f_{2D}$	1.09
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	8.3
Mass bearing	0.006 kg