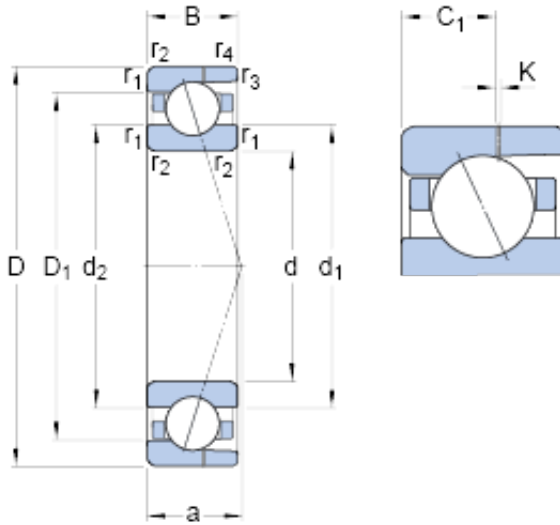




NTN Bearing Rolamentos do Brasil Ltda.



10 mm x 26 mm x 8 mm skf 7000 CD/HCP4AH Super-precision Angular contact ball bearings

Bearing No. 7000 CD/HCP4AH

7000 CD/HCP4AH Bearing 2D drawings and 3D CAD models

Size	26x10x8 mm
Bore Diameter	26 mm
Outer Diameter	10 mm
Width	8 mm
d	10 mm
D	26 mm
B	8 mm
d ₁	15.1 mm
d ₂	15.1 mm
D ₁	20.9 mm
K	0.5 mm
C ₁	4.75 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.2 mm
a	6.5 mm
d _a - min.	12 mm
d _b - min.	12 mm
D _a - max.	24 mm
D _b - max.	24.6 mm
r _a - max.	0.3 mm
r _b - max.	0.2 mm
d _n	16 mm
Basic dynamic load rating - C	4.1 kN
Basic static load rating - C ₀	1.7 kN



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Fatigue load limit - P_u	0.071 kN
Limiting speed for grease lubrication	90000 r/min
Limiting speed for oil lubrication	140000 mm/min
Ball - D_w	4.762 mm
Ball - z	9
G_{ref}	0.24 cm ³
Calculation factor - f_0	8.3
Preload class A - G_A	15 N
Preload class B - G_B	30 N
Preload class C - G_C	60 N
Preload class D - G_D	120 N
Calculation factor - f	1.03
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}	1.02
Preload class A	14 N/micron
Preload class B	19 N/micron
Preload class C	26 N/micron
Preload class D	36 N/micron
d_1	15.1 mm
d_2	15.1 mm
D_1	20.9 mm
C_1	4.75 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.2 mm
d_a min.	12 mm



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d_b min.	12 mm
D_a max.	24 mm
D_b max.	24.6 mm
r_a max.	0.3 mm
r_b max.	0.2 mm
d_n	16 mm
Basic dynamic load rating C	4.1 kN
Basic static load rating C_0	1.66 kN
Fatigue load limit P_u	0.071 kN
Attainable speed for grease lubrication	90000 r/min
Attainable speed for oil-air lubrication	140000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	9
Reference grease quantity G_{ref}	0.24 cm ³
Preload class A G_A	15 N
Static axial stiffness, preload class A	14 N/ μ m
Preload class B G_B	30 N
Static axial stiffness, preload class B	19 N/ μ m
Preload class C G_C	60 N
Static axial stiffness, preload class C	26 N/ μ m
Preload class D G_D	120 N
Static axial stiffness, preload class D	36 N/ μ m
Calculation factor f	1.03
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05



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Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1.02
Calculation factor f_0	8.3
Mass bearing	0.017 kg