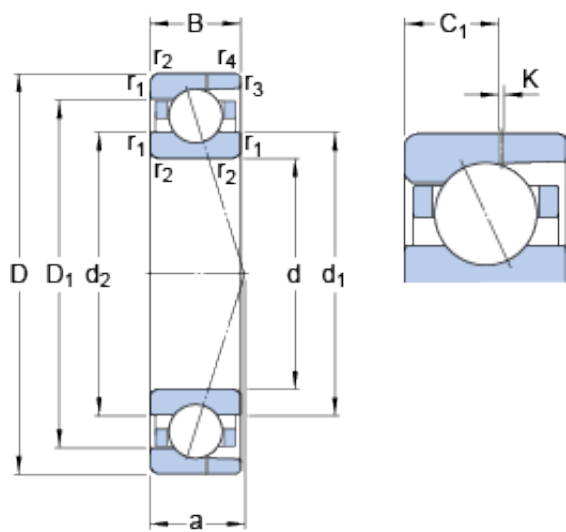




Bearing No. 7000 CD/HCP4AH

K	0.5 mm
a	6.5 mm
d	10 mm
D	26 mm
B	8 mm
Ball - z	9
Size (mm)	26x10x8
Width (mm)	8
Mass bearing	0.017 kg
d _n	16 mm
D ₁	20.9 mm
d ₁	15.1 mm
C ₁	4.75 mm
D ₁	20.9 mm
d ₂	15.1 mm
C ₁	4.75 mm
d ₁	15.1 mm
d _n	16 mm
d ₂	15.1 mm
Bearing number	7000 CD/HCP4AH
Preload class A	14 N/micron
Preload class D	36 N/micron
Preload class B	19 N/micron
Preload class C	26 N/micron
G _{ref}	0.24 cm3
Number of balls z	9
r _b max.	0.2 mm
r _a max.	0.3 mm
D _b max.	24.6 mm

D_a max.	24 mm
d_b min.	12 mm
d_a min.	12 mm
Bore Diameter (mm)	26
Outer Diameter (mm)	10
d_b - min.	12 mm
r_b - max.	0.2 mm
$r_{1,2}$ min.	0.3 mm
d_a - min.	12 mm
Calculation factor f	1.03
r_a - max.	0.3 mm
$r_{3,4}$ min.	0.2 mm
D_a - max.	24 mm
Ball - D_w	4.762 mm
D_b - max.	24.6 mm
Calculation factor - f	1.03
$r_{3,4}$ - min.	0.2 mm
$r_{1,2}$ - min.	0.3 mm
Ball diameter D_w	4.762 mm
Basic dynamic load rating C	4.1 kN
Preload class D G_D	120 N
Preload class A G_A	15 N
Preload class C G_C	60 N
Preload class B G_B	30 N
Basic dynamic load rating - C	4.1 kN
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
Fatigue load limit P_u	0.071 kN

Calculation factor f_1	1
Calculation factor f_0	8.3
Calculation factor f_{2D}	1.09
Calculation factor - f	1
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.02
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Limiting speed for oil lubrication	140000 mm/min
Fatigue load limit - P_u	0.071 kN
Calculation factor - f_0	8.3
Calculation factor - f_{2D}	1.09
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Limiting speed for grease lubrication	90000 r/min
Basic static load rating C_0	1.66 kN
Static axial stiffness, preload class B	19 N/ μ m
Static axial stiffness, preload class C	26 N/ μ m
Static axial stiffness, preload class A	14 N/ μ m
Static axial stiffness, preload class D	36 N/ μ m
Attainable speed for grease lubrication	90000 r/min
Attainable speed for oil-air lubrication	140000 r/min

Basic static load rating - C_0	1.7 kN
Reference grease quantity G_{ref}	0.24 cm ³