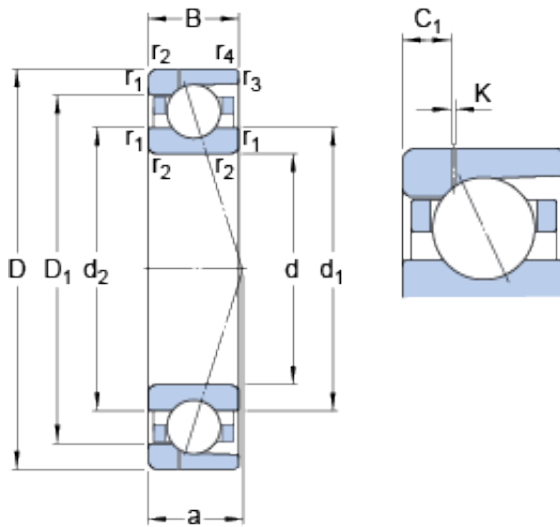




Bearing No. 7034 CD/HCP4AH1

K	0.6 mm
a	49.9 mm
d	170 mm
D	260 mm
B	42 mm
Ball - z	22
Size (mm)	260x170x42
Width (mm)	42
Mass bearing	5.92 kg
d_n	205.8 mm
D_1	231.3 mm
d_1	198.7 mm
C_1	11.8 mm
D_1	231.3 mm
d_2	198.7 mm
C_1	11.8 mm
d_1	198.7 mm
d_n	205.8 mm
d_2	198.7 mm
Bearing number	7034 CD/HCP4AH1
Preload class A	199 N/micron
Preload class D	542 N/micron
Preload class B	270 N/micron
Preload class C	376 N/micron
G_{ref}	84 cm ³
Number of balls z	22
r_b max.	1 mm
r_a max.	2 mm
D_b max.	254 mm

D_a max.	249 mm
d_b min.	181 mm
d_a min.	181 mm
Bore Diameter (mm)	260
Outer Diameter (mm)	170
d_b - min.	181 mm
r_b - max.	1 mm
$r_{1,2}$ min.	2.1 mm
d_a - min.	181 mm
Calculation factor f	1.14
r_a - max.	2 mm
$r_{3,4}$ min.	1.1 mm
D_a - max.	249 mm
Ball - D_w	26.988 mm
D_b - max.	254 mm
Calculation factor - f	1.14
$r_{3,4}$ - min.	1.1 mm
$r_{1,2}$ - min.	2.1 mm
Ball diameter D_w	26.988 mm
Basic dynamic load rating C	212 kN
Preload class D G_D	6400 N
Preload class A G_A	800 N
Preload class C G_C	3200 N
Preload class B G_B	1600 N
Basic dynamic load rating - C	212 kN
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
Fatigue load limit P_u	7.1 kN

Calculation factor f_1	1
Calculation factor f_0	15.9
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	10000 mm/min
Fatigue load limit - P_u	7.1 kN
Calculation factor - f_0	15.9
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	6300 r/min
Basic static load rating C_0	245 kN
Static axial stiffness, preload class B	270 N/ μ m
Static axial stiffness, preload class C	376 N/ μ m
Static axial stiffness, preload class A	199 N/ μ m
Static axial stiffness, preload class D	542 N/ μ m
Attainable speed for grease lubrication	6300 r/min
Attainable speed for oil-air lubrication	10000 r/min



Basic static load rating - C_0	245 kN
Reference grease quantity G_{ref}	84 cm ³