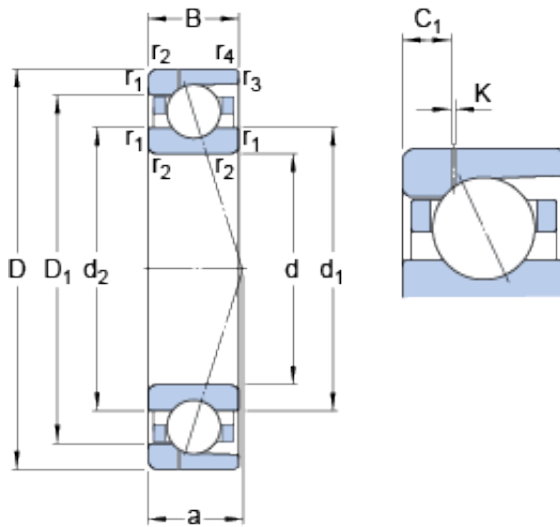




Bearing No. 7016 CD/HCP4AH1

K	0.5 mm
a	24.8 mm
d	80 mm
D	125 mm
B	22 mm
Ball - z	20
Size (mm)	125x80x22
Width (mm)	22
Mass bearing	0.71 kg
d_n	96.9 mm
D_1	111.1 mm
d_1	93.9 mm
C_1	5.89 mm
D_1	111.1 mm
d_2	93.9 mm
C_1	5.89 mm
d_1	93.9 mm
d_n	96.9 mm
d_2	93.9 mm
Bearing number	7016 CD/HCP4AH1
Preload class A	102 N/micron
Preload class D	282 N/micron
Preload class B	139 N/micron
Preload class C	194 N/micron
G_{ref}	11.1 cm ³
Number of balls z	20
r_b max.	0.6 mm
r_a max.	1 mm
D_b max.	121 mm

D_a max.	119 mm
d_b min.	86 mm
d_a min.	86 mm
Bore Diameter (mm)	125
Outer Diameter (mm)	80
d_b - min.	86 mm
r_b - max.	0.6 mm
$r_{1,2}$ min.	1.1 mm
d_a - min.	86 mm
Calculation factor f	1.13
r_a - max.	1 mm
$r_{3,4}$ min.	0.6 mm
D_a - max.	119 mm
Ball - D_w	14.288 mm
D_b - max.	121 mm
Calculation factor - f	1.13
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Ball diameter D_w	14.288 mm
Basic dynamic load rating C	65 kN
Preload class D G_D	1920 N
Preload class A G_A	240 N
Preload class C G_C	960 N
Preload class B G_B	480 N
Basic dynamic load rating - C	65 kN
Preload class A - G_A	240 N
Preload class B - G_B	480 N
Preload class C - G_C	960 N
Preload class D - G_D	1920 N
Fatigue load limit P_u	2.55 kN

Calculation factor f_1	1
Calculation factor f_0	15.5
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	20000 mm/min
Fatigue load limit - P_u	2.6 kN
Calculation factor - f_0	15.5
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	13000 r/min
Basic static load rating C_0	61 kN
Static axial stiffness, preload class B	139 N/μm
Static axial stiffness, preload class C	194 N/μm
Static axial stiffness, preload class A	102 N/μm
Static axial stiffness, preload class D	282 N/μm
Attainable speed for grease lubrication	13000 r/min
Attainable speed for oil-air lubrication	20000 r/min



Basic static load rating - C_0	61 kN
Reference grease quantity G_{ref}	11.1 cm ³