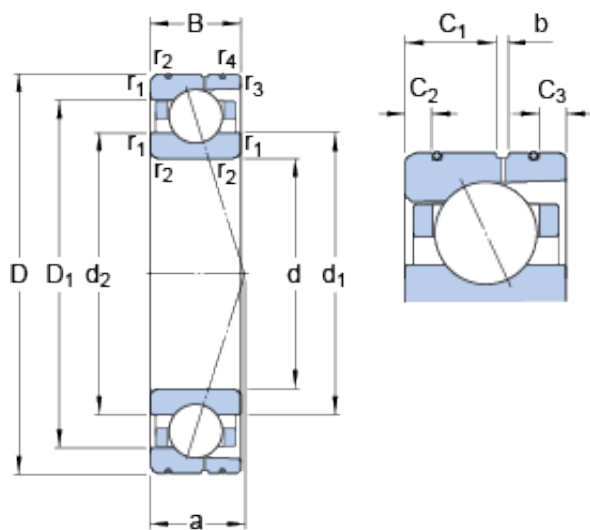




Bearing No. 7016 CD/HCP4AL

b	2.8 mm
d	80 mm
a	24.8 mm
B	22 mm
D	125 mm
Ball - z	20
Size (mm)	125x80x22
Width (mm)	22
Mass bearing	0.71 kg
d ₂	93.9 mm
D ₁	111.1 mm
d _n	96.9 mm
C ₁	11.1 mm
C ₂	4.4 mm
C ₃	3.8 mm
C ₂	4.4 mm
C ₁	11.1 mm
d _n	96.9 mm
D ₁	111.1 mm
d ₂	93.9 mm
d ₁	93.9 mm
d ₁	93.9 mm
C ₃	3.8 mm
Bearing number	7016 CD/HCP4AL
Preload class B	139 N/micron
G _{ref}	11.1 cm3
Preload class C	194 N/micron
Preload class D	282 N/micron
Preload class A	102 N/micron

Number of balls z	20
d_a min.	86 mm
D_a max.	119 mm
d_b min.	86 mm
D_b max.	121 mm
r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	125
Outer Diameter (mm)	80
$r_{1,2}$ min.	1.1 mm
d_a - min.	86 mm
d_b - min.	86 mm
D_a - max.	119 mm
Calculation factor f	1.13
r_b - max.	0.6 mm
$r_{3,4}$ min.	0.6 mm
D_b - max.	121 mm
Ball - D_w	14.288 mm
r_a - max.	1 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 B G_B	480 N
Preload class A G_A	240 N
Preload class D G_D	1920 N
Preload class C G_C	960 N
Basic dynamic load rating - C	65 kN
Preload class B - G_B	480 N

Preload class C - G_C	960 N
Preload class D - G_D	1920 N
Preload class A - G_A	240 N
Calculation factor f_1	1
Calculation factor f_0	15.5
Fatigue load limit P_u	2.55 kN
Calculation factor f_{HC}	1.02
Calculation factor f_{2D}	1.09
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor - f	1
Calculation factor f_{2C}	1.05
Fatigue load limit - P_u	2.6 kN
Limiting speed for oil lubrication	20000 mm/min
Calculation factor - f_0	15.5
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2D}	1.09
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	13000 r/min
Basic static load rating C_0	61 kN
Static axial stiffness, preload class B	139 N/ μ m
Static axial stiffness, preload class A	102 N/ μ m
Static axial stiffness, preload class C	194 N/ μ m
Static axial stiffness,	282 N/ μ m

preload class D	
Attainable speed for grease lubrication	13000 r/min
Basic static load rating - C_0	61 kN
Attainable speed for oil-air lubrication	20000 r/min
Reference grease quantity G_{ref}	11.1 cm ³