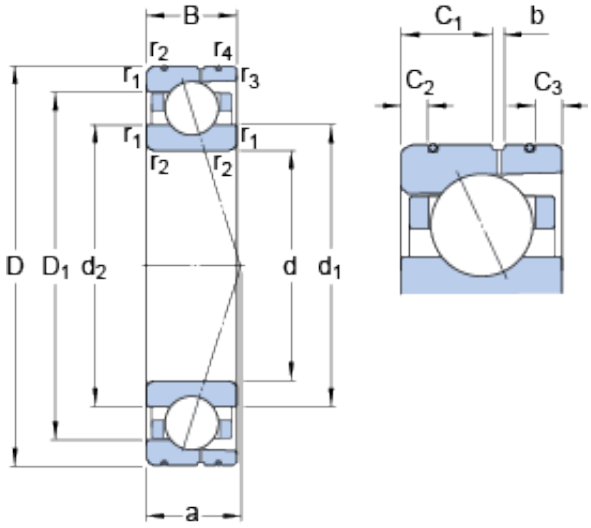
Loyal | 7017 CD/HCP4AL



Bearing No. 7017 CD/HCP4AL

b	2.8 mm
d	85 mm
a	25.5 mm
B	22 mm
D	130 mm
Ball - z	21
Size (mm)	130x85x22
Width (mm)	22
Mass bearing	0.74 kg
d_2	98.9 mm
D_1	116.1 mm
d_n	101.9 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	101.9 mm
D_1	116.1 mm
d_2	98.9 mm
d_1	98.9 mm
d_1	98.9 mm
C_3	3.8 mm
Bearing number	7017 CD/HCP4AL
Preload class B	146 N/micron
G_{ref}	11.7 cm3
Preload class C	205 N/micron
Preload class D	298 N/micron
Preload class A	107 N/micron

Number of balls z	21
d_a min.	91 mm
D_a max.	124 mm
d_b min.	91 mm
D_b max.	126 mm
r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	130
Outer Diameter (mm)	85
$r_{1,2}$ min.	1.1 mm
d_a - min.	91 mm
d_b - min.	91 mm
D_a - max.	124 mm
Calculation factor f	1.15
r_b - max.	0.6 mm
$r_{3,4}$ min.	0.6 mm
D_b - max.	126 mm
Ball - D_w	14.288 mm
r_a - max.	1 mm
Calculation factor - f	1.15
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Ball diameter D_w	14.288 mm
Basic dynamic load rating C	67.6 kN
Preload class B G_B	500 N
Preload class A G_A	250 N
Preload class D G_D	2000 N
Preload class C G_C	1000 N
Basic dynamic load rating - C	67.6 kN
Preload class B - G_B	500 N

Preload class C - G_C	1000 N
Preload class D - G_D	2000 N
Preload class A - G_A	250 N
Calculation factor f_1	1
Calculation factor f_0	15.7
Fatigue load limit P_u	2.65 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	19000 mm/min
Calculation factor - f_0	15.7
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	12000 r/min
Basic static load rating C_0	65.5 kN
Static axial stiffness, preload class B	146 N/µm
Static axial stiffness, preload class A	107 N/µm
Static axial stiffness, preload class C	205 N/µm
Static axial stiffness,	298 N/µm

preload class D	
Attainable speed for grease lubrication	12000 r/min
Basic static load rating - C_0	65.5 kN
Attainable speed for oil-air lubrication	19000 r/min
Reference grease quantity G_{ref}	11.7 cm^3