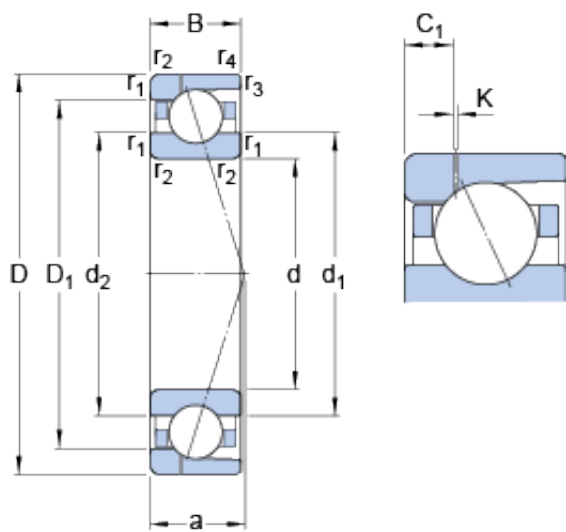




Bearing No. 7028 CD/HCP4AH1

K	0.5 mm
a	40.1 mm
d	140 mm
D	210 mm
B	33 mm
Ball - z	22
Size (mm)	210x140x33
Width (mm)	33
Mass bearing	2.83 kg
d_n	166.3 mm
D_1	188.4 mm
d_1	161.6 mm
C_1	8.9 mm
D_1	188.4 mm
d_2	161.6 mm
C_1	8.9 mm
d_1	161.6 mm
d_n	166.3 mm
d_2	161.6 mm
Bearing number	7028 CD/HCP4AH1
Preload class A	168 N/micron
Preload class D	464 N/micron
Preload class B	228 N/micron
Preload class C	320 N/micron
G_{ref}	45 cm3
Number of balls z	22
r_b max.	1 mm
r_a max.	2 mm
D_b max.	205 mm

D_a max.	201 mm
d_b min.	149 mm
d_a min.	149 mm
Bore Diameter (mm)	210
Outer Diameter (mm)	140
d_b - min.	149 mm
r_b - max.	1 mm
$r_{1,2}$ min.	2 mm
d_a - min.	149 mm
Calculation factor f	1.16
r_a - max.	2 mm
$r_{3,4}$ min.	1 mm
D_a - max.	201 mm
Ball - D_w	22.225 mm
D_b - max.	205 mm
Calculation factor - f	1.16
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Ball diameter D_w	22.225 mm
Basic dynamic load rating C	153 kN
Preload class D G_D	4560 N
Preload class A G_A	570 N
Preload class C G_C	2280 N
Preload class B G_B	1140 N
Basic dynamic load rating - C	153 kN
Preload class A - G_A	570 N
Preload class B - G_B	1140 N
Preload class C - G_C	2280 N
Preload class D - G_D	4560 N
Fatigue load limit P_u	5.3 kN

Calculation factor f_1	1
Calculation factor f_0	15.8
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	12000 mm/min
Fatigue load limit - P_u	5.3 kN
Calculation factor - f_0	15.8
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	7500 r/min
Basic static load rating C_0	166 kN
Static axial stiffness, preload class B	228 N/ μ m
Static axial stiffness, preload class C	320 N/ μ m
Static axial stiffness, preload class A	168 N/ μ m
Static axial stiffness, preload class D	464 N/ μ m
Attainable speed for grease lubrication	7500 r/min
Attainable speed for oil-air lubrication	12000 r/min



Basic static load rating - C_0	166 kN
Reference grease quantity G_{ref}	45 cm ³