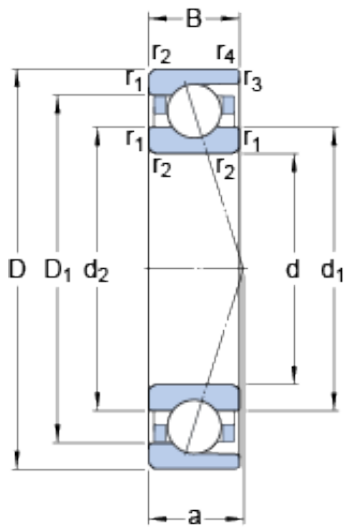




Bearing No. 71820 CD/HCP4

D	125 mm
d	100 mm
B	13 mm
a	21.6 mm
Ball - z	34
Size (mm)	125x100x13
Width (mm)	13
Mass bearing	0.28 kg
d_n	109.1 mm
d_n	109.1 mm
D_1	117 mm
d_1	108.2 mm
d_2	108.2 mm
D_1	117 mm
d_2	108.2 mm
d_1	108.2 mm
Bearing number	71820 CD/HCP4
Preload class A	99 N/micron
Preload class B	173 N/micron
Preload class C	256 N/micron
G_{ref}	3.2 cm ³
Number of balls z	34
D_a max.	120.4 mm
d_a min.	104.6 mm
d_b min.	104.6 mm
D_b max.	123 mm
r_a max.	1 mm
r_b max.	0.3 mm
Bore Diameter (mm)	125

Outer Diameter (mm)	100
d_a - min.	104.6 mm
r_a - max.	1 mm
$r_{1,2}$ min.	1 mm
Calculation factor f	1.4
D_b - max.	123 mm
$r_{3,4}$ min.	0.3 mm
r_b - max.	0.3 mm
D_a - max.	120.4 mm
Ball - D_w	7.144 mm
d_b - min.	104.6 mm
Calculation factor - f	1.4
$r_{3,4}$ - min.	0.3 mm
$r_{1,2}$ - min.	1 mm
Basic dynamic load rating C	22.5 kN
Ball diameter D_w	7.144 mm
Preload class B G_B	360 N
Preload class A G_A	120 N
Basic dynamic load rating - C	22.5 kN
Preload class C G_C	720 N
Preload class A - G_A	120 N
Preload class C - G_C	720 N
Preload class B - G_B	360 N
Calculation factor f_1	1
Fatigue load limit P_u	1.16 kN
Calculation factor f_0	17.4
Calculation factor f_{2C}	1.18
Calculation factor f_{2B}	1.1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.02

Calculation factor - f	1
Fatigue load limit - P_u	1.2 kN
Calculation factor - f_0	17.4
Limiting speed for oil lubrication	17000 mm/min
Calculation factor - f_{2B}	1.1
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.18
Calculation factor - f_{HC}	1.02
Limiting speed for grease lubrication	11000 r/min
Basic static load rating C_0	29 kN
Static axial stiffness, preload class A	99 N/ μ m
Static axial stiffness, preload class B	173 N/ μ m
Static axial stiffness, preload class C	256 N/ μ m
Attainable speed for grease lubrication	11000 r/min
Attainable speed for oil-air lubrication	17000 r/min
Basic static load rating - C_0	29 kN
Reference grease quantity G_{ref}	3.2 cm ³