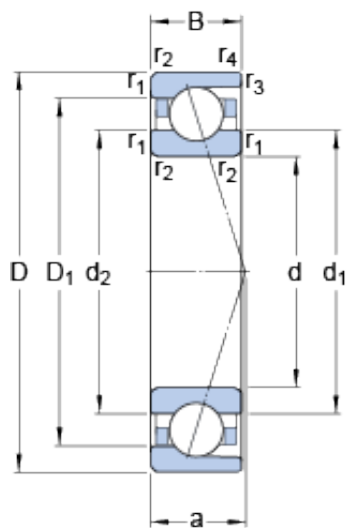




Bearing No. 7213 CD/HCP4A

D	120 mm
d	65 mm
B	23 mm
a	24 mm
Ball - z	15
Size (mm)	120x65x23
Width (mm)	23
Mass bearing	0.88 kg
d _n	86.6 mm
d _n	86.6 mm
D ₁	102.1 mm
d ₁	82.9 mm
d ₂	82.9 mm
D ₁	102.1 mm
d ₂	82.9 mm
d ₁	82.9 mm
Bearing number	7213 CD/HCP4A
Preload class A	87 N/micron
G _{ref}	12.471 cm3
Preload class C	164 N/micron
Preload class D	236 N/micron
Preload class B	118 N/micron
Number of balls z	15
r _b max.	0.6 mm
r _a max.	1.5 mm
D _b max.	115.8 mm
D _a max.	111 mm
d _a min.	74 mm
Bore Diameter (mm)	120

d_b min.	74 mm
Outer Diameter (mm)	65
d_a - min.	74 mm
r_a - max.	1.5 mm
$r_{1,2}$ min.	1.5 mm
Calculation factor f	1.07
D_b - max.	115.8 mm
$r_{3,4}$ min.	0.6 mm
D_a - max.	111 mm
Ball - D_w	15.875 mm
r_b - max.	0.6 mm
d_b - min.	74 mm
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.5 mm
Calculation factor - f	1.07
Basic dynamic load rating C	66.3 kN
Ball diameter D_w	15.875 mm
Preload class C G_C	1000 N
Preload class D G_D	2000 N
Preload class B G_B	500 N
Preload class A G_A	250 N
Basic dynamic load rating - C	66.3 kN
Preload class D - G_D	2000 N
Preload class C - G_C	1000 N
Preload class B - G_B	500 N
Preload class A - G_A	250 N
Calculation factor f_1	1
Calculation factor f_0	14.6
Fatigue load limit P_u	2.28 kN
Calculation factor f_{HC}	1.01

Calculation factor f_{2D}	1.06
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01
Calculation factor f_{2A}	1
Calculation factor - f	1
Fatigue load limit - P_u	2.3 kN
Limiting speed for oil lubrication	22000 mm/min
Calculation factor - f_0	14.6
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1.01
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2D}	1.06
Limiting speed for grease lubrication	15000 r/min
Basic static load rating C_0	53 kN
Static axial stiffness, preload class D	236 N/ μ m
Static axial stiffness, preload class B	118 N/ μ m
Static axial stiffness, preload class A	87 N/ μ m
Attainable speed for grease lubrication	15000 r/min
Static axial stiffness, preload class C	164 N/ μ m
Basic static load rating - C_0	53 kN
Attainable speed for oil-air lubrication	22000 r/min
Reference grease quantity G_{ref}	12.471 cm ³

