



Bearing No. 7219 CD/HCP4A

D	170 mm
d	95 mm
B	32 mm
a	33.9 mm
Ball - z	15
Size (mm)	170x95x32
Width (mm)	32
Mass bearing	2.2 kg
d _n	124.4 mm
d _n	124.4 mm
D ₁	146.9 mm
d ₁	118.1 mm
d ₂	118.1 mm
D ₁	146.9 mm
d ₂	118.1 mm
d ₁	118.1 mm
Bearing number	7219 CD/HCP4A
Preload class A	127 N/micron
G _{ref}	34.314 cm3
Preload class C	241 N/micron
Preload class D	347 N/micron
Preload class B	173 N/micron
Number of balls z	15
r _b max.	1 mm
r _a max.	2 mm
D _b max.	163 mm
D _a max.	158 mm
d _a min.	107 mm
Bore Diameter (mm)	170

d_b min.	107 mm
Outer Diameter (mm)	95
d_a - min.	107 mm
r_a - max.	2 mm
$r_{1,2}$ min.	2.1 mm
Calculation factor f	1.09
D_b - max.	163 mm
$r_{3,4}$ min.	1.1 mm
D_a - max.	158 mm
Ball - D_w	23.812 mm
r_b - max.	1 mm
d_b - min.	107 mm
$r_{3,4}$ - min.	1.1 mm
$r_{1,2}$ - min.	2.1 mm
Calculation factor - f	1.09
Basic dynamic load rating C	138 kN
Ball diameter D_w	23.812 mm
Preload class C G_C	2080 N
Preload class D G_D	4160 N
Preload class B G_B	1040 N
Preload class A G_A	520 N
Basic dynamic load rating - C	138 kN
Preload class D - G_D	4160 N
Preload class C - G_C	2080 N
Preload class B - G_B	1040 N
Preload class A - G_A	520 N
Calculation factor f_1	1
Calculation factor f_0	14.6
Fatigue load limit P_u	4.4 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	4.4 kN
Limiting speed for oil lubrication	15000 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	9500 r/min
Basic static load rating C_0	120 kN
Static axial stiffness, preload class D	347 N/ μ m
Static axial stiffness, preload class B	173 N/ μ m
Static axial stiffness, preload class A	127 N/ μ m
Attainable speed for grease lubrication	9500 r/min
Static axial stiffness, preload class C	241 N/ μ m
Basic static load rating - C_0	120 kN
Attainable speed for oil-air lubrication	15000 r/min
Reference grease quantity G_{ref}	34.314 cm ³

