



Bearing No. 7044 CD/HCP4A

D	340 mm
d	220 mm
B	56 mm
a	65.7 mm
Ball - z	21
Size (mm)	340x220x56
Width (mm)	56
Mass bearing	13.2 kg
d _n	267.1 mm
d _n	267.1 mm
D ₁	303 mm
d ₁	257 mm
d ₂	257 mm
D ₁	303 mm
d ₂	257 mm
d ₁	257 mm
Bearing number	7044 CD/HCP4A
Preload class A	247 N/micron
G _{ref}	201 cm3
Preload class C	460 N/micron
Preload class D	657 N/micron
Preload class B	333 N/micron
Number of balls z	21
r _b max.	1.5 mm
r _a max.	2.5 mm
D _b max.	334 mm
D _a max.	327 mm
d _a min.	233 mm
Bore Diameter (mm)	340

d_b min.	233 mm
Outer Diameter (mm)	220
d_a - min.	233 mm
r_a - max.	2.5 mm
$r_{1,2}$ min.	3 mm
Calculation factor f	1.13
D_b - max.	334 mm
$r_{3,4}$ min.	1.5 mm
D_a - max.	327 mm
Ball - D_w	38.1 mm
r_b - max.	1.5 mm
d_b - min.	233 mm
$r_{3,4}$ - min.	1.5 mm
$r_{1,2}$ - min.	3 mm
Calculation factor - f	1.13
Basic dynamic load rating C	338 kN
Ball diameter D_w	38.1 mm
Preload class C G_C	5000 N
Preload class D G_D	10000 N
Preload class B G_B	2500 N
Preload class A G_A	1250 N
Basic dynamic load rating - C	338 kN
Preload class D - G_D	10000 N
Preload class C - G_C	5000 N
Preload class B - G_B	2500 N
Preload class A - G_A	1250 N
Calculation factor f_1	1
Calculation factor f_0	15.6
Fatigue load limit P_u	11.6 kN
Calculation factor f_{HC}	1.02

Calculation factor f_{2D}	1.09
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor - f	1
Fatigue load limit - P_u	11.6 kN
Limiting speed for oil lubrication	7500 mm/min
Calculation factor - f_0	15.6
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2D}	1.09
Limiting speed for grease lubrication	4800 r/min
Basic static load rating C_0	455 kN
Static axial stiffness, preload class D	657 N/ μ m
Static axial stiffness, preload class B	333 N/ μ m
Static axial stiffness, preload class A	247 N/ μ m
Attainable speed for grease lubrication	4800 r/min
Static axial stiffness, preload class C	460 N/ μ m
Basic static load rating - C_0	455 kN
Attainable speed for oil-air lubrication	7500 r/min
Reference grease quantity G_{ref}	201 cm ³

