



Bearing No. 7217 CD/HCP4A

D	150 mm
d	85 mm
B	28 mm
a	29.9 mm
Ball - z	17
Size (mm)	150x85x28
Width (mm)	28
Mass bearing	1.57 kg
d_n	111.5 mm
d_n	111.5 mm
D_1	129.5 mm
d_1	106.5 mm
d_2	106.5 mm
D_1	129.5 mm
d_2	106.5 mm
d_1	106.5 mm
Bearing number	7217 CD/HCP4A
Preload class A	114 N/micron
G_{ref}	21.822 cm ³
Preload class C	215 N/micron
Preload class D	309 N/micron
Preload class B	154 N/micron
Number of balls z	17
r_b max.	1 mm
r_a max.	2 mm
D_b max.	144.4 mm
D_a max.	139 mm
d_a min.	96 mm
Bore Diameter (mm)	150

d_b min.	96 mm
Outer Diameter (mm)	85
d_a - min.	96 mm
r_a - max.	2 mm
$r_{1,2}$ min.	2 mm
Calculation factor f	1.08
D_b - max.	144.4 mm
$r_{3,4}$ min.	1 mm
D_a - max.	139 mm
Ball - D_w	19.05 mm
r_b - max.	1 mm
d_b - min.	96 mm
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Calculation factor - f	1.08
Basic dynamic load rating C	99.5 kN
Ball diameter D_w	19.05 mm
Preload class C G_C	1480 N
Preload class D G_D	2960 N
Preload class B G_B	740 N
Preload class A G_A	370 N
Basic dynamic load rating - C	99.5 kN
Preload class D - G_D	2960 N
Preload class C - G_C	1480 N
Preload class B - G_B	740 N
Preload class A - G_A	370 N
Calculation factor f_1	1
Calculation factor f_0	14.9
Fatigue load limit P_u	3.45 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	3.4 kN
Limiting speed for oil lubrication	17000 mm/min
Calculation factor - f_0	14.9
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	11000 r/min
Basic static load rating C_0	88 kN
Static axial stiffness, preload class D	309 N/ μ m
Static axial stiffness, preload class B	154 N/ μ m
Static axial stiffness, preload class A	114 N/ μ m
Attainable speed for grease lubrication	11000 r/min
Static axial stiffness, preload class C	215 N/ μ m
Basic static load rating - C_0	88 kN
Attainable speed for oil-air lubrication	17000 r/min
Reference grease quantity G_{ref}	21.822 cm ³

