



Bearing No. 7212 CD/HCP4A

D	110 mm
d	60 mm
B	22 mm
a	22.5 mm
Ball - z	16
Size (mm)	110x60x22
Width (mm)	22
Mass bearing	0.69 kg
d _n	80.1 mm
d _n	80.1 mm
D ₁	93.6 mm
d ₁	76.4 mm
d ₂	76.4 mm
D ₁	93.6 mm
d ₂	76.4 mm
d ₁	76.4 mm
Bearing number	7212 CD/HCP4A
Preload class A	83 N/micron
G _{ref}	10.08 cm3
Preload class C	158 N/micron
Preload class D	228 N/micron
Preload class B	113 N/micron
Number of balls z	16
r _b max.	0.6 mm
r _a max.	1.5 mm
D _b max.	105.8 mm
D _a max.	101 mm
d _a min.	69 mm
Bore Diameter (mm)	110

d_b min.	69 mm
Outer Diameter (mm)	60
d_a - min.	69 mm
r_a - max.	1.5 mm
$r_{1,2}$ min.	1.5 mm
Calculation factor f	1.07
D_b - max.	105.8 mm
$r_{3,4}$ min.	0.6 mm
D_a - max.	101 mm
Ball - D_w	14.288 mm
r_b - max.	0.6 mm
d_b - min.	69 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	57.2 kN
Ball diameter D_w	14.288 mm
Preload class C G_C	860 N
Preload class D G_D	1720 N
Preload class B G_B	430 N
Preload class A G_A	215 N
Basic dynamic load rating - C	57.2 kN
Preload class D - G_D	1720 N
Preload class C - G_C	860 N
Preload class B - G_B	430 N
Preload class A - G_A	215 N
Calculation factor f_1	1
Calculation factor f_0	14.9
Fatigue load limit P_u	2 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 kN
Limiting speed for oil lubrication	24000 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	16000 r/min
Basic static load rating C_0	46.5 kN
Static axial stiffness, preload class D	228 N/ μ m
Static axial stiffness, preload class B	113 N/ μ m
Static axial stiffness, preload class A	83 N/ μ m
Attainable speed for grease lubrication	16000 r/min
Static axial stiffness, preload class C	158 N/ μ m
Basic static load rating - C_0	46.5 kN
Attainable speed for oil-air lubrication	24000 r/min
Reference grease quantity G_{ref}	10.08 cm ³

