



Bearing No. 7006 CD/HCP4A

D	55 mm
d	30 mm
B	13 mm
a	12.3 mm
Ball - z	14
Size (mm)	55x30x13
Width (mm)	13
Mass bearing	0.095 kg
d_n	39.3 mm
d_n	39.3 mm
D_1	47.3 mm
d_1	37.7 mm
d_2	37.7 mm
D_1	47.3 mm
d_2	37.7 mm
d_1	37.7 mm
Bearing number	7006 CD/HCP4A
Preload class A	34 N/micron
G_{ref}	1.59 cm ³
Preload class C	61 N/micron
Preload class D	85 N/micron
Preload class B	45 N/micron
Number of balls z	14
r_b max.	0.3 mm
r_a max.	1 mm
D_b max.	53 mm
D_a max.	50.4 mm
d_a min.	34.6 mm
Bore Diameter (mm)	55

d_b min.	34.6 mm
Outer Diameter (mm)	30
d_a - min.	34.6 mm
r_a - max.	1 mm
$r_{1,2}$ min.	1 mm
Calculation factor f	1.06
D_b - max.	53 mm
$r_{3,4}$ min.	0.3 mm
D_a - max.	50.4 mm
Ball - D_w	7.938 mm
r_b - max.	0.3 mm
d_b - min.	34.6 mm
$r_{3,4}$ - min.	0.3 mm
$r_{1,2}$ - min.	1 mm
Calculation factor - f	1.06
Basic dynamic load rating C	14.3 kN
Ball diameter D_w	7.938 mm
Preload class C G_C	200 N
Preload class D G_D	400 N
Preload class B G_B	100 N
Preload class A G_A	50 N
Basic dynamic load rating - C	14.3 kN
Preload class D - G_D	400 N
Preload class C - G_C	200 N
Preload class B - G_B	100 N
Preload class A - G_A	50 N
Calculation factor f_1	1
Calculation factor f_0	9.4
Fatigue load limit P_u	0.34 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	0.34 kN
Limiting speed for oil lubrication	56000 mm/min
Calculation factor - f_0	9.4
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	38000 r/min
Basic static load rating C_0	8 kN
Static axial stiffness, preload class D	85 N/ μ m
Static axial stiffness, preload class B	45 N/ μ m
Static axial stiffness, preload class A	34 N/ μ m
Attainable speed for grease lubrication	38000 r/min
Static axial stiffness, preload class C	61 N/ μ m
Basic static load rating - C_0	8 kN
Attainable speed for oil-air lubrication	56000 r/min
Reference grease quantity G_{ref}	1.59 cm ³

