



Bearing No. 71800 CD/HCP4

D	19 mm
d	10 mm
B	5 mm
a	4.5 mm
Ball - z	12
Size (mm)	19x10x5
Width (mm)	5
Mass bearing	0.005 kg
d _n	13.4 mm
d _n	13.4 mm
D ₁	16.1 mm
d ₁	13.1 mm
d ₂	13.1 mm
D ₁	16.1 mm
d ₂	13.1 mm
d ₁	13.1 mm
Bearing number	71800 CD/HCP4
Preload class A	14 N/micron
Preload class B	24 N/micron
Preload class C	36 N/micron
G _{ref}	0.06 cm ³
Number of balls z	12
D _a max.	17 mm
d _a min.	12 mm
d _b min.	12 mm
D _b max.	18.2 mm
r _a max.	0.3 mm
r _b max.	0.15 mm
Bore Diameter (mm)	19

Outer Diameter (mm)	10
d_a - min.	12 mm
r_a - max.	0.3 mm
$r_{1,2}$ min.	0.3 mm
Calculation factor f	1.05
D_b - max.	18.2 mm
$r_{3,4}$ min.	0.15 mm
r_b - max.	0.15 mm
D_a - max.	17 mm
Ball - D_w	2.381 mm
d_b - min.	12 mm
Calculation factor - f	1.05
$r_{3,4}$ - min.	0.15 mm
$r_{1,2}$ - min.	0.3 mm
Basic dynamic load rating C	1.9 kN
Ball diameter D_w	2.381 mm
Preload class B G_B	30 N
Preload class A G_A	10 N
Basic dynamic load rating - C	1.9 kN
Preload class C G_C	60 N
Preload class A - G_A	10 N
Preload class C - G_C	60 N
Preload class B - G_B	30 N
Calculation factor f_1	1
Fatigue load limit P_u	0.043 kN
Calculation factor f_0	15
Calculation factor f_{2C}	1.18
Calculation factor f_{2B}	1.1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.02

Calculation factor - f	1
Fatigue load limit - P_u	0.043 kN
Calculation factor - f_0	15
Limiting speed for oil lubrication	150000 mm/min
Calculation factor - f_{2B}	1.1
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.18
Calculation factor - f_{HC}	1.02
Limiting speed for grease lubrication	95000 r/min
Basic static load rating C_0	0.98 kN
Static axial stiffness, preload class A	14 N/ μ m
Static axial stiffness, preload class B	24 N/ μ m
Static axial stiffness, preload class C	36 N/ μ m
Attainable speed for grease lubrication	95000 r/min
Attainable speed for oil-air lubrication	150000 r/min
Basic static load rating - C_0	0.98 kN
Reference grease quantity G_{ref}	0.06 cm ³