



Bearing No. 71801 CD/HCP4

D	21 mm
d	12 mm
B	5 mm
a	4.7 mm
Ball - z	14
Size (mm)	21x12x5
Width (mm)	5
Mass bearing	0.006 kg
d _n	15.4 mm
d _n	15.4 mm
D ₁	18.1 mm
d ₁	15.1 mm
d ₂	15.1 mm
D ₁	18.1 mm
d ₂	15.1 mm
d ₁	15.1 mm
Bearing number	71801 CD/HCP4
Preload class A	17 N/micron
Preload class B	28 N/micron
Preload class C	41 N/micron
G _{ref}	0.07 cm ³
Number of balls z	14
D _a max.	19 mm
d _a min.	14 mm
d _b min.	14 mm
D _b max.	20.2 mm
r _a max.	0.3 mm
r _b max.	0.15 mm
Bore Diameter (mm)	21

Outer Diameter (mm)	12
d_a - min.	14 mm
r_a - max.	0.3 mm
$r_{1,2}$ min.	0.3 mm
Calculation factor f	1.06
D_b - max.	20.2 mm
$r_{3,4}$ min.	0.15 mm
r_b - max.	0.15 mm
D_a - max.	19 mm
Ball - D_w	2.381 mm
d_b - min.	14 mm
Calculation factor - f	1.06
$r_{3,4}$ - min.	0.15 mm
$r_{1,2}$ - min.	0.3 mm
Basic dynamic load rating C	2.08 kN
Ball diameter D_w	2.381 mm
Preload class B G_B	33 N
Preload class A G_A	11 N
Basic dynamic load rating - C	2.1 kN
Preload class C G_C	66 N
Preload class A - G_A	11 N
Preload class C - G_C	66 N
Preload class B - G_B	33 N
Calculation factor f_1	1
Fatigue load limit P_u	0.05 kN
Calculation factor f_0	15.4
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	0.05 kN
Calculation factor - f_0	15.4
Limiting speed for oil lubrication	130000 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	85000 r/min
Basic static load rating C_0	1.18 kN
Static axial stiffness, preload class A	17 N/ μ m
Static axial stiffness, preload class B	28 N/ μ m
Static axial stiffness, preload class C	41 N/ μ m
Attainable speed for grease lubrication	85000 r/min
Attainable speed for oil-air lubrication	130000 r/min
Basic static load rating - C_0	1.2 kN
Reference grease quantity G_{ref}	0.07 cm ³