



Bearing No. 71804 CD/HCP4

D	32 mm
d	20 mm
B	7 mm
a	7 mm
Ball - z	17
Size (mm)	32x20x7
Width (mm)	7
Mass bearing	0.017 kg
d_n	24.5 mm
d_n	24.5 mm
D_1	28.1 mm
d_1	24.1 mm
d_2	24.1 mm
D_1	28.1 mm
d_2	24.1 mm
d_1	24.1 mm
Bearing number	71804 CD/HCP4
Preload class A	25 N/micron
Preload class B	42 N/micron
Preload class C	61 N/micron
G_{ref}	0.18 cm ³
Number of balls z	17
D_a max.	30 mm
d_a min.	22 mm
d_b min.	22 mm
D_b max.	31.2 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
Bore Diameter (mm)	32

Outer Diameter (mm)	20
d_a - min.	22 mm
r_a - max.	0.3 mm
$r_{1,2}$ min.	0.3 mm
Calculation factor f	1.08
D_b - max.	31.2 mm
$r_{3,4}$ min.	0.15 mm
r_b - max.	0.15 mm
D_a - max.	30 mm
Ball - D_w	3.175 mm
d_b - min.	22 mm
Calculation factor - f	1.08
$r_{3,4}$ - min.	0.15 mm
$r_{1,2}$ - min.	0.3 mm
Basic dynamic load rating C	3.9 kN
Ball diameter D_w	3.175 mm
Preload class B G_B	60 N
Preload class A G_A	20 N
Basic dynamic load rating - C	3.9 kN
Preload class C G_C	120 N
Preload class A - G_A	20 N
Preload class C - G_C	120 N
Preload class B - G_B	60 N
Calculation factor f_1	1
Fatigue load limit P_u	0.112 kN
Calculation factor f_0	16
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	0.112 kN
Calculation factor - f_0	16
Limiting speed for oil lubrication	80000 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	53000 r/min
Basic static load rating C_0	2.65 kN
Static axial stiffness, preload class A	25 N/ μ m
Static axial stiffness, preload class B	42 N/ μ m
Static axial stiffness, preload class C	61 N/ μ m
Attainable speed for grease lubrication	53000 r/min
Attainable speed for oil-air lubrication	80000 r/min
Basic static load rating - C_0	2.6 kN
Reference grease quantity G_{ref}	0.18 cm ³