



Bearing No. 71917 CD/P4AH1

Size	120x85x18 mm
Bore Diameter	120 mm
Outer Diameter	85 mm
Width	18 mm
d	85 mm
D	120 mm
B	18 mm
d ₁	95.8 mm
d ₂	95.8 mm
D ₁	109.2 mm
K	0.5 mm
C ₁	5.2 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	22.8 mm
d _a - min.	91 mm
d _b - min.	91 mm
D _a - max.	114 mm
D _b - max.	116 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	98.6 mm
Basic dynamic load rating - C	46.2 kN
Basic static load rating - C ₀	48 kN
Fatigue load limit - P _u	2 kN
Limiting speed for grease lubrication	10000 r/min
Limiting speed for oil	17000 mm/min

Lubrication	
Ball - D_w	11.112 mm
Ball - z	25
G_{ref}	7.2 cm ³
Calculation factor - f_0	16.2
Preload class A - G_A	170 N
Preload class B - G_B	340 N
Preload class C - G_C	680 N
Preload class D - G_D	1360 N
Calculation factor - f	1.2
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.09
Calculation factor - f_{2D}	1.15
Calculation factor - f_{HC}	1
Preload class A	89 N/micron
Preload class B	122 N/micron
Preload class C	172 N/micron
Preload class D	251 N/micron
d_1	95.8 mm
d_2	95.8 mm
D_1	109.2 mm
C_1	5.2 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	91 mm
d_b min.	91 mm
D_a max.	114 mm
D_b max.	116 mm

r_a max.	1 mm
r_b max.	0.6 mm
d_n	98.6 mm
Basic dynamic load rating C	46.2 kN
Basic static load rating C_0	48 kN
Fatigue load limit P_u	2.04 kN
Attainable speed for grease lubrication	10000 r/min
Attainable speed for oil-air lubrication	17000 r/min
Ball diameter D_w	11.112 mm
Number of balls z	25
Reference grease quantity G_{ref}	7.2 cm ³
Preload class A G_A	170 N
Static axial stiffness, preload class A	89 N/ μ m
Preload class B G_B	340 N
Static axial stiffness, preload class B	122 N/ μ m
Preload class C G_C	680 N
Static axial stiffness, preload class C	172 N/ μ m
Preload class D G_D	1360 N
Static axial stiffness, preload class D	251 N/ μ m
Calculation factor f	1.2
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1

Calculation factor f_0	16.2
Mass bearing	0.53 kg