



Bearing No. 71907 CB/P4A

Size	55x35x10 mm
Bore Diameter	55 mm
Outer Diameter	35 mm
Width	10 mm
d	35 mm
D	55 mm
B	10 mm
d ₁	42.46 mm
d ₂	41.56 mm
D ₂	49.5 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	13.6 mm
d _a - min.	38.2 mm
d _b - min.	38.2 mm
D _a - max.	51.8 mm
D _b - max.	53 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
d _n	43 mm
Basic dynamic load rating - C	5.2 kN
Basic static load rating - C ₀	3.6 kN
Fatigue load limit - P _u	0.156 kN
Limiting speed for grease lubrication	34000 r/min
Limiting speed for oil lubrication	53000 mm/min
Ball - D _w	3.969 mm

Ball - z	25
G_{ref}	0.96 cm ³
Calculation factor - f_0	9.7
Preload class A - G_A	17 N
Preload class B - G_B	34 N
Preload class C - G_C	100 N
Calculation factor - f	1.06
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.07
Calculation factor - f_{HC}	1
Preload class A	23 N/micron
Preload class B	29 N/micron
Preload class C	47 N/micron
d_1	42.46 mm
d_2	41.56 mm
D_2	49.5 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	38.2 mm
d_b min.	38.2 mm
D_a max.	51.8 mm
D_b max.	53 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
d_n	43 mm
Basic dynamic load rating C	6.89 kN
Basic static load rating C_0	6.2 kN

Fatigue load limit P_u	0.156 kN
Attainable speed for grease lubrication	34000 r/min
Attainable speed for oil-air lubrication	53000 r/min
Ball diameter D_w	3.969 mm
Number of balls z	25
Reference grease quantity G_{ref}	0.96 cm ³
Preload class A G_A	17 N
Static axial stiffness, preload class A	23 N/ μ m
Preload class B G_B	34 N
Static axial stiffness, preload class B	29 N/ μ m
Preload class C G_C	100 N
Static axial stiffness, preload class C	47 N/ μ m
Calculation factor f	1.06
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.07
Calculation factor f_{HC}	1
Calculation factor f_0	9.7
Mass bearing	0.078 kg