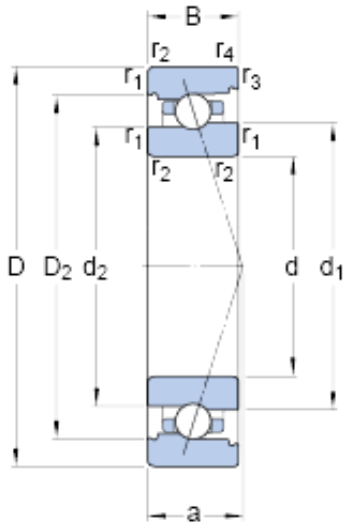




BEARING DRIVESHAFT, INC.



71917 CB/P4A Bearing 2D drawings and 3D CAD models

85 mm x 120 mm x 18 mm SKF 71917 CB/P4A
angular contact ball bearings

Bearing No. 71917 CB/P4A

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	98.2 mm
d ₂	96.7 mm
D ₂	110.2 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	25.5 mm
d _a - min.	91 mm
d _b - min.	91 mm
D _a - max.	114 mm
D _b - max.	116.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	99.2 mm
Basic dynamic load rating - C	16.3 kN
Basic static load rating - C ₀	16.3 kN
Fatigue load limit - P _u	0.68 kN
Limiting speed for grease	15000 r/min



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Lubrication	
Limiting speed for oil lubrication	22000 mm/min
Ball - D_w	6.747 mm
Ball - z	37
G_{ref}	6.46 cm ³
Calculation factor - f_0	10
Preload class A - G_A	54 N
Preload class B - G_B	110 N
Preload class C - G_C	325 N
Calculation factor - f	1.11
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	52 N/micron
Preload class B	68 N/micron
Preload class C	109 N/micron
d_1	98.2 mm
d_2	96.7 mm
D_2	110.2 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.	116.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	99.2 mm



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Basic dynamic load rating C	22.1 kN
Basic static load rating C_0	26 kN
Fatigue load limit P_u	0.68 kN
Attainable speed for grease lubrication	15000 r/min
Attainable speed for oil-air lubrication	22000 r/min
Ball diameter D_w	6.747 mm
Number of balls z	37
Reference grease quantity G_{ref}	6.46 cm ³
Preload class A G_A	54 N
Static axial stiffness, preload class A	52 N/ μ m
Preload class B G_B	110 N
Static axial stiffness, preload class B	68 N/ μ m
Preload class C G_C	325 N
Static axial stiffness, preload class C	109 N/ μ m
Calculation factor f	1.11
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	10
Mass bearing	0.57 kg