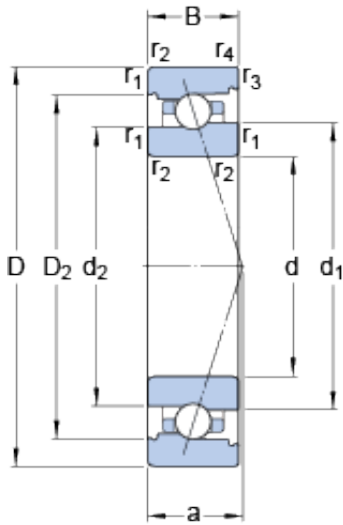




# NUP BEARING LTD



## 85 mm x 120 mm x 18 mm skf 71917 CB/P4A Super-precision Angular contact ball bearings

Bearing No. 71917 CB/P4A

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

Size	120x85x18 mm
Bore Diameter	120 mm
Outer Diameter	85 mm
Width	18 mm
d	85 mm
D	120 mm
B	18 mm
d <sub>1</sub>	98.2 mm
d <sub>2</sub>	96.7 mm
D <sub>2</sub>	110.2 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
a	25.5 mm
d <sub>a</sub> - min.	91 mm
d <sub>b</sub> - min.	91 mm
D <sub>a</sub> - max.	114 mm
D <sub>b</sub> - max.	116.8 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
d <sub>n</sub>	99.2 mm
Basic dynamic load rating - C	16.3 kN
Basic static load rating - C <sub>0</sub>	16.3 kN
Fatigue load limit - P <sub>u</sub>	0.68 kN
Limiting speed for grease	15000 r/min



## NUP BEARING LTD

Lubrication	
Limiting speed for oil lubrication	22000 mm/min
Ball - $D_w$	6.747 mm
Ball - $z$	37
$G_{ref}$	6.46 cm <sup>3</sup>
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



## NUP BEARING LTD

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 <sup>3</sup>
Preload class A $G_A$	54 N
Static axial stiffness, preload class A	52 N/ $\mu$ m
Preload class B $G_B$	110 N
Static axial stiffness, preload class B	68 N/ $\mu$ m
Preload class C $G_C$	325 N
Static axial stiffness, preload class C	109 N/ $\mu$ 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