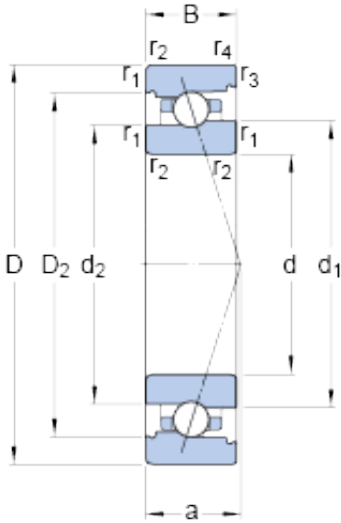




# BEARINGS PRODUCTION WHOLESale CO., LTD



## 85 mm x 130 mm x 22 mm SKF 7017 CB/P4A angular contact ball bearings

Bearing No. 7017 CB/P4A

7017 CB/P4A Bearing 2D drawings and 3D CAD models

Size	130x85x22 mm
Bore Diameter	130 mm
Outer Diameter	85 mm
Width	22 mm
d	85 mm
D	130 mm
B	22 mm
d <sub>1</sub>	101.7 mm
d <sub>2</sub>	99.3 mm
D <sub>2</sub>	116.4 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.	124 mm
D <sub>b</sub> - max.	126.8 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
d <sub>n</sub>	103 mm
Basic dynamic load rating - C	27 kN
Basic static load rating - C <sub>0</sub>	23.6 kN
Fatigue load limit - P <sub>u</sub>	0.965 kN
Limiting speed for grease	13000 r/min



# BEARINGS PRODUCTION WHOLESALE CO., LTD

Lubrication	
Limiting speed for oil lubrication	20000 mm/min
Ball - $D_w$	9.525 mm
Ball - $z$	28
$G_{ref}$	11.02 cm <sup>3</sup>
Calculation factor - $f_0$	9.6
Preload class A - $G_A$	80 N
Preload class B - $G_B$	160 N
Preload class C - $G_C$	480 N
Calculation factor - $f$	1.08
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2C}$	1.05
Calculation factor - $f_{HC}$	1
Preload class A	54 N/micron
Preload class B	71 N/micron
Preload class C	112 N/micron
$d_1$	101.7 mm
$d_2$	99.3 mm
$D_2$	116.4 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.	124 mm
$D_b$ max.	126.8 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
$d_n$	103 mm



# BEARINGS PRODUCTION WHOLESALE CO., LTD

Basic dynamic load rating C	31.9 kN
Basic static load rating $C_0$	36 kN
Fatigue load limit $P_u$	0.965 kN
Attainable speed for grease lubrication	13000 r/min
Attainable speed for oil-air lubrication	20000 r/min
Ball diameter $D_w$	9.525 mm
Number of balls z	28
Reference grease quantity $G_{ref}$	11.02 cm <sup>3</sup>
Preload class A $G_A$	80 N
Static axial stiffness, preload class A	54 N/ $\mu$ m
Preload class B $G_B$	160 N
Static axial stiffness, preload class B	71 N/ $\mu$ m
Preload class C $G_C$	480 N
Static axial stiffness, preload class C	112 N/ $\mu$ m
Calculation factor f	1.08
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	9.6
Mass bearing	0.96 kg