



**Bearing No. S7017 ACB/P4A**

D	130 mm
d	85 mm
B	22 mm
a	36.3 mm
Ball - z	28
Size (mm)	130x85x22
Width (mm)	22
Mass bearing	0.96 kg
D <sub>2</sub>	116.4 mm
d <sub>2</sub>	99.3 mm
d <sub>1</sub>	101.7 mm
d <sub>2</sub>	99.3 mm
D <sub>2</sub>	116.4 mm
d <sub>1</sub>	101.7 mm
Bearing number	S7017 ACB/P4A
Preload class A	148 N/micron
Preload class B	188 N/micron
Preload class C	284 N/micron
Number of balls z	28
r <sub>b</sub> max.	0.6 mm
r <sub>a</sub> max.	1 mm
D <sub>b</sub> max.	126.8 mm
D <sub>a</sub> max.	124 mm
d <sub>b</sub> max.	98.5 mm
d <sub>b</sub> min.	91 mm
d <sub>a</sub> max.	100.9 mm
Bore Diameter (mm)	130
d <sub>a</sub> min.	91 mm
Outer Diameter (mm)	85
d <sub>a</sub> - max.	100.9 mm

$d_a$ - min.	91 mm
Calculation factor e	0.68
Calculation factor f	1.08
$d_b$ - max.	98.5 mm
$D_a$ - max.	124 mm
$r_a$ - max.	1 mm
$r_b$ - max.	0.6 mm
$d_b$ - min.	91 mm
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1.1 mm
Ball - $D_w$	9.525 mm
$D_b$ - max.	126.8 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - f	1.08
Calculation factor - e	0.68
$r_{1,2}$ - min.	1.1 mm
Basic dynamic load rating C	30.2 kN
Ball diameter $D_w$	9.525 mm
Preload class A $G_A$	278 N
Basic dynamic load rating - C	25.1 kN
Preload class C $G_C$	900 N
Preload class B $G_B$	300 N
Preload class B - $G_B$	300 N
Preload class A - $G_A$	278 N
Preload class C - $G_C$	900 N
Calculation factor $f_1$	0.99
Fatigue load limit $P_u$	0.915 kN
Calculation factor $f_{HC}$	1
Calculation factor $f_{2C}$	1.04
Calculation factor $f_{2B}$	1.01

Calculation factor $f_{2A}$	1
Calculation factor - $X_2$	0.67
Calculation factor - $Y_0$	0.76
Calculation factor - $Y_1$	0.92
Calculation factor - $f_1$	0.99
Calculation factor - $Y_2$	1.41
Fatigue load limit - $P_u$	0.915 kN
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.01
Calculation factor - $f_{2C}$	1.04
Calculation factor - $f_{HC}$	1
Limiting speed for grease lubrication	12000 r/min
Basic static load rating $C_0$	33.5 kN
Static axial stiffness, preload class C	284 N/ $\mu$ m
Static axial stiffness, preload class B	188 N/ $\mu$ m
Attainable speed for grease lubrication	12000 r/min
Static axial stiffness, preload class A	148 N/ $\mu$ m
Basic static load rating - $C_0$	22.4 kN
Calculation factor (single, tandem) $Y_2$	0.87
Calculation factor (single, tandem) $Y_0$	0.38
Calculation factor (single, tandem) $X_2$	0.41
Calculation factor (back-to-back, face-to-face) $Y_1$	0.92
Calculation factor (back-	1.41

to-back, face-to-face) $Y_2$	
Calculation factor (back-to-back, face-to-face) $Y_0$	0.76
Calculation factor (back-to-back, face-to-face) $X_2$	0.67