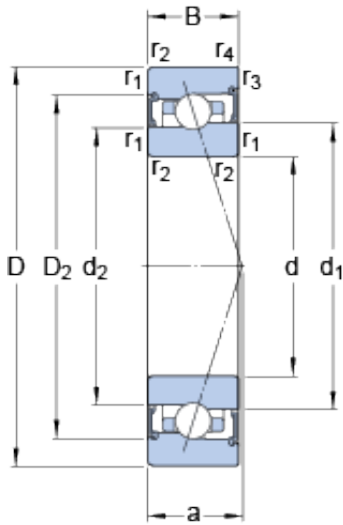




# GARLOCK BEARINGS LTD



## S71906 ACB/P4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S71906 ACB/P4A

S71906 ACB/P4A Bearing 2D drawings and 3D CAD models

Size	47x30x9 mm
Bore Diameter	47 mm
Outer Diameter	30 mm
Width	9 mm
d	30 mm
D	47 mm
B	9 mm
d <sub>1</sub>	35.95 mm
d <sub>2</sub>	35.1 mm
D <sub>2</sub>	43 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.15 mm
a	16.5 mm
d <sub>a</sub> - min.	32 mm
d <sub>a</sub> - max.	35.4 mm
d <sub>b</sub> - min.	32 mm
d <sub>b</sub> - max.	34.5 mm
D <sub>a</sub> - max.	45 mm
D <sub>b</sub> - max.	46.2 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.15 mm
Basic dynamic load rating - C	4.6 kN
Basic static load rating - C <sub>0</sub>	3 kN
Fatigue load limit - P <sub>u</sub>	0.127 kN



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Limiting speed for grease lubrication	36000 r/min
Ball - $D_w$	3.969 mm
Ball - $z$	22
Calculation factor - $e$	0.68
Calculation factor - $Y_2$	0.87
Calculation factor - $Y_0$	0.38
Calculation factor - $X_2$	0.41
Calculation factor - $Y_1$	0.92
Calculation factor - $Y_2$	1.41
Calculation factor - $Y_0$	0.76
Calculation factor - $X_2$	0.67
Preload class A - $G_A$	27 N
Preload class B - $G_B$	54 N
Preload class C - $G_C$	160 N
Calculation factor - $f$	1.07
Calculation factor - $f_1$	0.99
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	53 N/micron
Preload class B	68 N/micron
Preload class C	102 N/micron
$d_1$	35.95 mm
$d_2$	35.1 mm
$D_2$	43 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
$d_a$ min.	32 mm



## GARLOCK BEARINGS LTD

$d_a$ max.	35.4 mm
$d_b$ min.	32 mm
$d_b$ max.	34.5 mm
$D_a$ max.	45 mm
$D_b$ max.	46.2 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.15 mm
Basic dynamic load rating C	6.05 kN
Basic static load rating $C_0$	4.9 kN
Fatigue load limit $P_u$	0.127 kN
Attainable speed for grease lubrication	36000 r/min
Ball diameter $D_w$	3.969 mm
Number of balls z	22
Preload class A $G_A$	27 N
Static axial stiffness, preload class A	53 N/ $\mu$ m
Preload class B $G_B$	54 N
Static axial stiffness, preload class B	68 N/ $\mu$ m
Preload class C $G_C$	160 N
Static axial stiffness, preload class C	102 N/ $\mu$ m
Calculation factor f	1.07
Calculation factor $f_1$	0.99
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.07
Calculation factor $f_{HC}$	1
Calculation factor e	0.68
Calculation factor (single, tandem) $Y_2$	0.87
Calculation factor (single, tandem) $Y_0$	0.38



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Calculation factor (single, tandem) $X_2$	0.41
Calculation factor (back-to-back, face-to-face) $Y_1$	0.92
Calculation factor (back-to-back, face-to-face) $Y_2$	1.41
Calculation factor (back-to-back, face-to-face) $Y_0$	0.76
Calculation factor (back-to-back, face-to-face) $X_2$	0.67
Mass bearing	0.05 kg