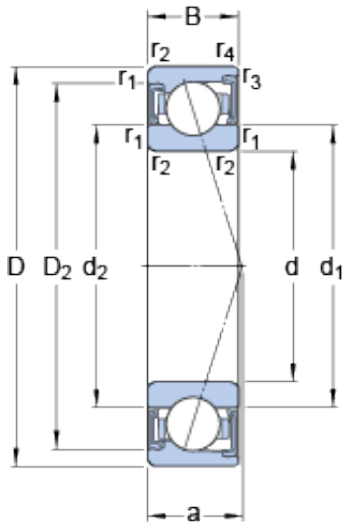




# CAR Bearing manufacturing Co.,Ltd



S71908 ACD/P4A Bearing 2D drawings and 3D CAD models

## SKF S71908 ACD/P4A angular contact ball bearings

Bearing No. S71908 ACD/P4A

Size	62x40x12 mm
Bore Diameter	62 mm
Outer Diameter	40 mm
Width	12 mm
d	40 mm
D	62 mm
B	12 mm
d <sub>1</sub>	47.1 mm
d <sub>2</sub>	47.1 mm
D <sub>2</sub>	57.12 mm
r <sub>1,2</sub> - min.	0.6 mm
r <sub>3,4</sub> - min.	0.3 mm
a	18 mm
d <sub>a</sub> - min.	43.2 mm
d <sub>a</sub> - max.	46.6 mm
d <sub>b</sub> - min.	43.2 mm
d <sub>b</sub> - max.	46.6 mm
D <sub>a</sub> - max.	58.8 mm
D <sub>b</sub> - max.	60.6 mm
r <sub>a</sub> - max.	0.6 mm
r <sub>b</sub> - max.	0.3 mm
Basic dynamic load rating - C	11.7 kN
Basic static load rating - C <sub>0</sub>	8 kN
Fatigue load limit - P <sub>u</sub>	0.34 kN



## CAR Bearing manufacturing Co.,Ltd

Limiting speed for grease lubrication	18000 r/min
Ball - $D_w$	6.35 mm
Ball - z	21
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 - $G_A$	70 N
Preload class B - $G_B$	140 N
Preload class C - $G_C$	280 N
Preload class D - $G_D$	560 N
Calculation factor - f	1.09
Calculation factor - $f_1$	0.98
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.04
Calculation factor - $f_{2C}$	1.08
Calculation factor - $f_{2D}$	1.14
Calculation factor - $f_{HC}$	1
Preload class A	89 N/micron
Preload class B	115 N/micron
Preload class C	151 N/micron
Preload class D	199 N/micron
$d_1$	47.1 mm
$d_2$	47.1 mm
$D_2$	57.12 mm



## CAR Bearing manufacturing Co.,Ltd

$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
$d_a$ min.	43.2 mm
$d_a$ max.	46.6 mm
$d_b$ min.	43.2 mm
$d_b$ max.	46.6 mm
$D_a$ max.	58.8 mm
$D_b$ max.	60.6 mm
$r_a$ max.	0.6 mm
$r_b$ max.	0.3 mm
Basic dynamic load rating C	11.7 kN
Basic static load rating $C_0$	8 kN
Fatigue load limit $P_u$	0.34 kN
Attainable speed for grease lubrication	18000 r/min
Ball diameter $D_w$	6.35 mm
Number of balls z	21
Preload class A $G_A$	70 N
Static axial stiffness, preload class A	89 N/ $\mu$ m
Preload class B $G_B$	140 N
Static axial stiffness, preload class B	115 N/ $\mu$ m
Preload class C $G_C$	280 N
Static axial stiffness, preload class C	151 N/ $\mu$ m
Preload class D $G_D$	560 N
Static axial stiffness, preload class D	199 N/ $\mu$ m
Calculation factor f	1.09
Calculation factor $f_1$	0.98
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.08



## CAR Bearing manufacturing Co.,Ltd

Calculation factor $f_{2D}$	1.14
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
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	0.11 kg