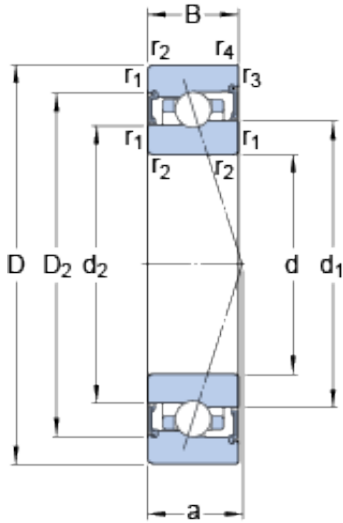




# Air Suspension Bearing Co., Ltd



## 40 mm x 62 mm x 12 mm SKF S71908 CB/HCP4A angular contact ball bearings

Bearing No. S71908 CB/HCP4A

S71908 CB/HCP4A Bearing 2D drawings and 3D CAD models

|   |             |
|---|-------------|
| 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>                            | 48.46 mm    |
| d <sub>2</sub>                            | 47.6 mm     |
| D <sub>2</sub>                            | 55.64 mm    |
| r <sub>1,2</sub> - min.                   | 0.6 mm      |
| r <sub>3,4</sub> - min.                   | 0.3 mm      |
| a   | 14.8 mm     |
| d <sub>a</sub> - min.                     | 43.2 mm     |
| d <sub>a</sub> - max.                     | 47.9 mm     |
| d <sub>b</sub> - min.                     | 43.2 mm     |
| d <sub>b</sub> - max.                     | 47 mm       |
| D <sub>a</sub> - max.                     | 58.8 mm     |
| D <sub>b</sub> - max.                     | 60 mm       |
| r <sub>a</sub> - max.                     | 0.6 mm      |
| r <sub>b</sub> - max.                     | 0.3 mm      |
| Basic dynamic load rating - C             | 5.4 kN      |
| Basic static load rating - C <sub>0</sub> | 4.2 kN      |
| Fatigue load limit - P <sub>u</sub>       | 0.176 kN    |



## Air Suspension Bearing Co., Ltd

|                                       |             |
|---------------------------------------|-------------|
| Limiting speed for grease lubrication | 36000 r/min |
| Ball - $D_w$                          | 3.969 mm    |
| Ball - z                              | 28          |
| Calculation factor - $f_0$            | 9.8         |
| Preload class A - $G_A$               | 18 N        |
| Preload class B - $G_B$               | 36 N        |
| Preload class C - $G_C$               | 110 N       |
| Calculation factor - f                | 1.06        |
| Calculation factor - f                | 1           |
| Calculation factor - $f_{2A}$         | 1           |
| Calculation factor - $f_{2B}$         | 1.03        |
| Calculation factor - $f_{2C}$         | 1.08        |
| Calculation factor - $f_{HC}$         | 1.01        |
| Preload class A                       | 27 N/micron |
| Preload class B                       | 36 N/micron |
| Preload class C                       | 58 N/micron |
| $d_1$                                 | 48.46 mm    |
| $d_2$                                 | 47.6 mm     |
| $D_2$                                 | 55.64 mm    |
| $r_{1,2}$ min.                        | 0.6 mm      |
| $r_{3,4}$ min.                        | 0.3 mm      |
| $d_a$ min.                            | 43.2 mm     |
| $d_a$ max.                            | 47.9 mm     |
| $d_b$ min.                            | 43.2 mm     |
| $d_b$ max.                            | 47 mm       |
| $D_a$ max.                            | 58.8 mm     |
| $D_b$ max.                            | 60 mm       |
| $r_a$ max.                            | 0.6 mm      |
| $r_b$ max.                            | 0.3 mm      |
| Basic dynamic load rating C           | 7.15 kN     |



## Air Suspension Bearing Co., Ltd

|   |               |
|---|---------------|
| Basic static load rating $C_0$          | 6.95 kN       |
| Fatigue load limit $P_u$                | 0.176 kN      |
| Attainable speed for grease lubrication | 36000 r/min   |
| Ball diameter $D_w$                     | 3.969 mm      |
| Number of balls $z$                     | 28            |
| Preload class A $G_A$                   | 18 N          |
| Static axial stiffness, preload class A | 27 N/ $\mu$ m |
| Preload class B $G_B$                   | 36 N          |
| Static axial stiffness, preload class B | 36 N/ $\mu$ m |
| Preload class C $G_C$                   | 110 N         |
| Static axial stiffness, preload class C | 58 N/ $\mu$ m |
| Calculation factor $f$                  | 1.06          |
| Calculation factor $f_1$                | 1             |
| Calculation factor $f_{2A}$             | 1             |
| Calculation factor $f_{2B}$             | 1.03          |
| Calculation factor $f_{2C}$             | 1.08          |
| Calculation factor $f_{HC}$             | 1.01          |
| Calculation factor $f_0$                | 9.8           |
| Mass bearing                            | 0.12 kg       |