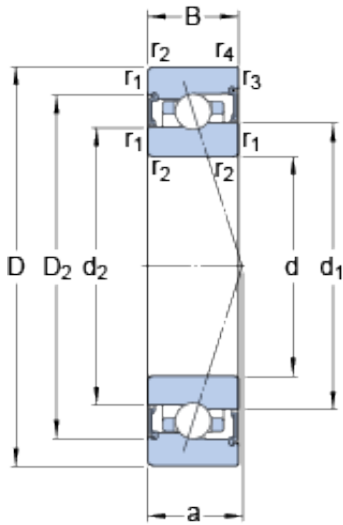




# Air Suspension Bearing Co., Ltd



## 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