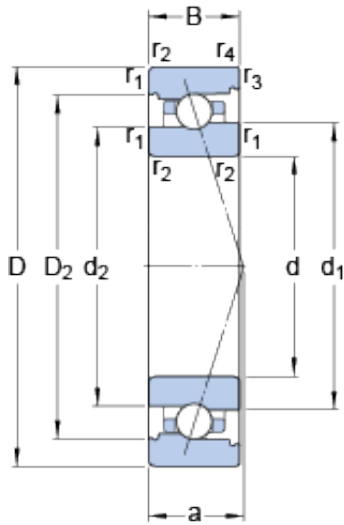




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71908 CB/HCP4A Bearing 2D drawings and 3D CAD models

40 mm x 62 mm x 12 mm SKF 71908 CB/HCP4A angular contact ball bearings

Bearing No. 71908 CB/HCP4A

Size	62x40x12 mm
Bore Diameter	62 mm
Outer Diameter	40 mm
Width	12 mm
d	40 mm
D	62 mm
B	12 mm
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
a	14.8 mm
d _a - min.	43.2 mm
d _b - min.	43.2 mm
D _a - max.	58.8 mm
D _b - max.	60 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
d _n	49.1 mm
Basic dynamic load rating - C	5.4 kN
Basic static load rating - C ₀	4.2 kN
Fatigue load limit - P _u	0.176 kN
Limiting speed for grease	36000 r/min



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Lubrication	
Limiting speed for oil lubrication	56000 mm/min
Ball - D_w	3.969 mm
Ball - z	28
G_{ref}	1.38 cm ³
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_b min.	43.2 mm
D_a max.	58.8 mm
D_b max.	60 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
d_n	49.1 mm



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Basic dynamic load rating C	7.15 kN
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
Attainable speed for oil-air lubrication	56000 r/min
Ball diameter D_w	3.969 mm
Number of balls z	28
Reference grease quantity G_{ref}	1.38 cm ³
Preload class A G_A	18 N
Static axial stiffness, preload class A	27 N/ μ m
Preload class B G_B	36 N
Static axial stiffness, preload class B	36 N/ μ m
Preload class C G_C	110 N
Static axial stiffness, preload class C	58 N/ μ 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	0.11 kg