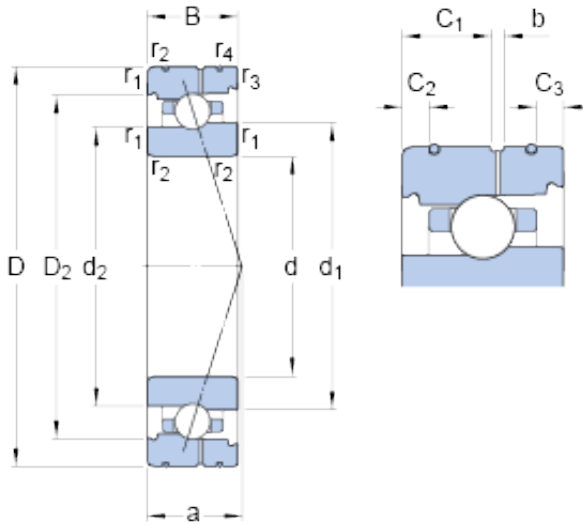




Timken BEARING CORP.of CANADA LTD.



40 mm x 62 mm x 12 mm SKF 71908 CB/P4AL
angular contact ball bearings

Bearing No. 71908 CB/P4AL

71908 CB/P4AL 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 ₁	48.46 mm
d ₂	47.6 mm
D ₂	55.64 mm
b	2 mm
C ₁	5.9 mm
C ₂	2.8 mm
C ₃	1.7 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



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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 lubrication	30000 r/min
Limiting speed for oil lubrication	45000 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}	1.02
Calculation factor - f _{2C}	1.07
Calculation factor - f _{HC}	1
Preload class A	25 N/micron
Preload class B	32 N/micron
Preload class C	52 N/micron
d ₁	48.46 mm
d ₂	47.6 mm
D ₂	55.64 mm
C ₁	5.9 mm
C ₂	2.8 mm
C ₃	1.7 mm
r _{1,2} min.	0.6 mm



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$r_{3,4}$ 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
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	30000 r/min
Attainable speed for oil-air lubrication	45000 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	25 N/ μ m
Preload class B G_B	36 N
Static axial stiffness, preload class B	32 N/ μ m
Preload class C G_C	110 N
Static axial stiffness, preload class C	52 N/ μ m
Calculation factor f	1.06
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.07
Calculation factor f_{HC}	1



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Calculation factor f_0	9.8
Mass bearing	0.12 kg