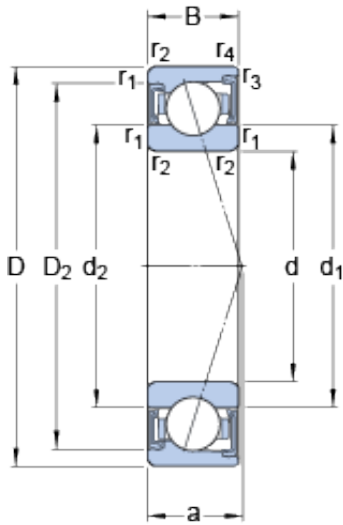




GARLOCK BEARINGS LTD

S71908 CD/HCP4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S71908 CD/HCP4A



S71908 CD/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 ₁	47.1 mm
d ₂	47.1 mm
D ₂	57.12 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	12.9 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	12.4 kN
Basic static load rating - C ₀	8.5 kN
Fatigue load limit - P _u	0.36 kN



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Limiting speed for grease lubrication	28000 r/min
Ball - D_w	6.35 mm
Ball - z	21
Calculation factor - f_0	10.4
Preload class A - G_A	45 N
Preload class B - G_B	90 N
Preload class C - G_C	180 N
Preload class D - G_D	360 N
Calculation factor - f	1.09
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.07
Calculation factor - f_{2C}	1.12
Calculation factor - f_{2D}	1.18
Calculation factor - f_{HC}	1.04
Preload class A	40 N/micron
Preload class B	54 N/micron
Preload class C	73 N/micron
Preload class D	103 N/micron
d_1	47.1 mm
d_2	47.1 mm
D_2	57.12 mm
$r_{1,2}$ 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



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r_a max.	0.6 mm
r_b max.	0.3 mm
Basic dynamic load rating C	12.4 kN
Basic static load rating C_0	8.5 kN
Fatigue load limit P_u	0.36 kN
Attainable speed for grease lubrication	28000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	21
Preload class A G_A	45 N
Static axial stiffness, preload class A	40 N/ μ m
Preload class B G_B	90 N
Static axial stiffness, preload class B	54 N/ μ m
Preload class C G_C	180 N
Static axial stiffness, preload class C	73 N/ μ m
Preload class D G_D	360 N
Static axial stiffness, preload class D	103 N/ μ m
Calculation factor f	1.09
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.07
Calculation factor f_{2C}	1.12
Calculation factor f_{2D}	1.18
Calculation factor f_{HC}	1.04
Calculation factor f_0	10.4
Mass bearing	0.1 kg