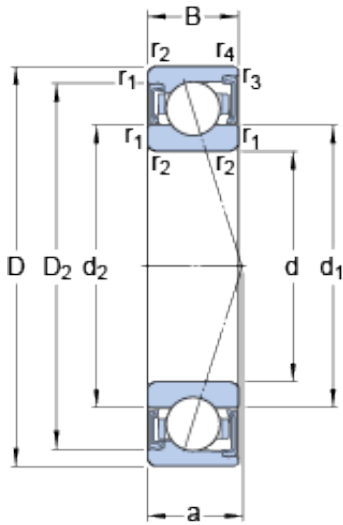




GARLOCK BEARINGS LTD

S71907 CD/P4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S71907 CD/P4A



S71907 CD/P4A Bearing 2D drawings and 3D CAD models

Size	55x35x10 mm
Bore Diameter	55 mm
Outer Diameter	35 mm
Width	10 mm
d	35 mm
D	55 mm
B	10 mm
d ₁	41.6 mm
d ₂	41.6 mm
D ₂	50.07 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	11.1 mm
d _a - min.	38.2 mm
d _a - max.	41.1 mm
d _b - min.	38.2 mm
d _b - max.	41.1 mm
D _a - max.	51.8 mm
D _b - max.	53.6 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
Basic dynamic load rating - C	9.8 kN
Basic static load rating - C ₀	6.6 kN
Fatigue load limit - P _u	0.275 kN



GARLOCK BEARINGS LTD

Limiting speed for grease lubrication	26000 r/min
Ball - D_w	5.556 mm
Ball - z	21
Calculation factor - f_0	10.4
Preload class A - G_A	35 N
Preload class B - G_B	70 N
Preload class C - G_C	140 N
Preload class D - G_D	280 N
Calculation factor - f	1.1
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.09
Calculation factor - f_{2D}	1.15
Calculation factor - f_{HC}	1
Preload class A	32 N/micron
Preload class B	42 N/micron
Preload class C	58 N/micron
Preload class D	82 N/micron
d_1	41.6 mm
d_2	41.6 mm
D_2	50.07 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	38.2 mm
d_a max.	41.1 mm
d_b min.	38.2 mm
d_b max.	41.1 mm
D_a max.	51.8 mm
D_b max.	53.6 mm



GARLOCK BEARINGS LTD

r_a max.	0.6 mm
r_b max.	0.3 mm
Basic dynamic load rating C	9.75 kN
Basic static load rating C_0	6.55 kN
Fatigue load limit P_u	0.275 kN
Attainable speed for grease lubrication	26000 r/min
Ball diameter D_w	5.556 mm
Number of balls z	21
Preload class A G_A	35 N
Static axial stiffness, preload class A	32 N/ μ m
Preload class B G_B	70 N
Static axial stiffness, preload class B	42 N/ μ m
Preload class C G_C	140 N
Static axial stiffness, preload class C	58 N/ μ m
Preload class D G_D	280 N
Static axial stiffness, preload class D	82 N/ μ m
Calculation factor f	1.1
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1
Calculation factor f_0	10.4
Mass bearing	0.077 kg