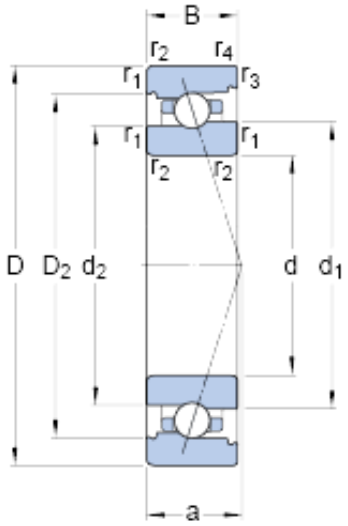

71909 CB/HCP4A Bearing 2D drawings and 3D CAD models

45 mm x 68 mm x 12 mm SKF 71909 CB/HCP4A Angular contact ball bearings

Bearing No. 71909 CB/HCP4A

Size	68x45x12 mm
Bore Diameter	68 mm
Outer Diameter	45 mm
Width	12 mm
d	45 mm
D	68 mm
B	12 mm
d_1	53.45 mm
d_2	52.4 mm
D_2	61.8 mm
$r_{1,2}$ - min.	0.6 mm
$r_{3,4}$ - min.	0.3 mm
a	16.1 mm
d_a - min.	48.2 mm
d_b - min.	48.2 mm
D_a - max.	64.8 mm
D_b - max.	66 mm
r_a - max.	0.6 mm
r_b - max.	0.3 mm
d_n	54.2 mm
Basic dynamic load rating - C	7.4 kN
Basic static load rating - C_0	5.7 kN
Fatigue load limit - P_u	0.245 kN
Limiting speed for grease	32000 r/min

lubrication	
Limiting speed for oil lubrication	50000 mm/min
Ball - D_w	4.762 mm
Ball - z	27
G_{ref}	1.75 cm3
Calculation factor - f_0	9.7
Preload class A - G_A	24 N
Preload class B - G_B	48 N
Preload class C - G_C	145 N
Calculation factor - f	1.08
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	32 N/micron
Preload class B	41 N/micron
Preload class C	66 N/micron
d_1	53.45 mm
d_2	52.4 mm
D_2	61.8 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	48.2 mm
d_b min.	48.2 mm
D_a max.	64.8 mm
D_b max.	66 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
d_n	54.2 mm

BEARING de Mexico?S.A.

Basic dynamic load rating C	9.95 kN
Basic static load rating C_0	9.65 kN
Fatigue load limit P_u	0.245 kN
Attainable speed for grease lubrication	32000 r/min
Attainable speed for oil-air lubrication	50000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	27
Reference grease quantity G_{ref}	1.75 cm^3
Preload class A G_A	24 N
Static axial stiffness, preload class A	32 N/ µ m
Preload class B G_B	48 N
Static axial stiffness, preload class B	41 N/ µ m
Preload class C G_C	145 N
Static axial stiffness, preload class C	66 N/ µ m
Calculation factor f	1.08
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	9.7
Mass bearing	0.13 kg