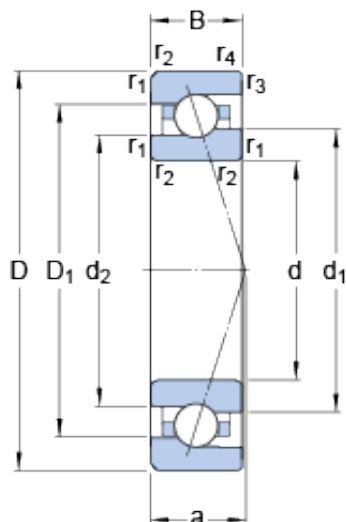




ASAHI FORGE OF AMERICA BEARING CORP.



709 CE/P4A Bearing 2D drawings and 3D CAD models

9 mm x 24 mm x 7 mm SKF 709 CE/P4A
angular contact ball bearings

Bearing No. 709 CE/P4A

Size	24x9x7 mm
Bore Diameter	9 mm
Outer Diameter	24 mm
Width	7 mm
d	9 mm
D	24 mm
B	7 mm
d ₁	13.6 mm
d ₂	13 mm
D ₁	19.4 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.15 mm
a	5.8 mm
d _a - min.	11 mm
d _b - min.	11 mm
D _a - max.	22 mm
D _b - max.	22.6 mm
r _a - max.	0.3 mm
r _b - max.	0.15 mm
d _n	14.8 mm
Basic dynamic load rating - C	2.6 kN
Basic static load rating - C ₀	0.93 kN
Fatigue load limit - P _u	0.04 kN
Limiting speed for grease	98000 r/min



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Lubrication	
Limiting speed for oil lubrication	150000 mm/min
Ball - D_w	3.969 mm
Ball - z	9
G_{ref}	0.19 cm ³
Calculation factor - f_0	6.8
Preload class A - G_A	15 N
Preload class B - G_B	40 N
Preload class C - G_C	80 N
Calculation factor - f	1.02
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	11 N/micron
Preload class B	16 N/micron
Preload class C	22 N/micron
d_1	13.6 mm
d_2	13 mm
D_1	19.4 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
d_a min.	11 mm
d_b min.	11 mm
D_a max.	22 mm
D_b max.	22.6 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	14.8 mm



ASAHI FORGE OF AMERICA BEARING CORP.

Basic dynamic load rating C	2.6 kN
Basic static load rating C_0	0.93 kN
Fatigue load limit P_u	0.04 kN
Attainable speed for grease lubrication	98000 r/min
Attainable speed for oil-air lubrication	150000 r/min
Ball diameter D_w	3.969 mm
Number of balls z	9
Reference grease quantity G_{ref}	0.19 cm ³
Preload class A G_A	15 N
Static axial stiffness, preload class A	11 N/ μ m
Preload class B G_B	40 N
Static axial stiffness, preload class B	16 N/ μ m
Preload class C G_C	80 N
Static axial stiffness, preload class C	22 N/ μ m
Calculation factor f	1.02
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	6.8
Mass bearing	0.014 kg