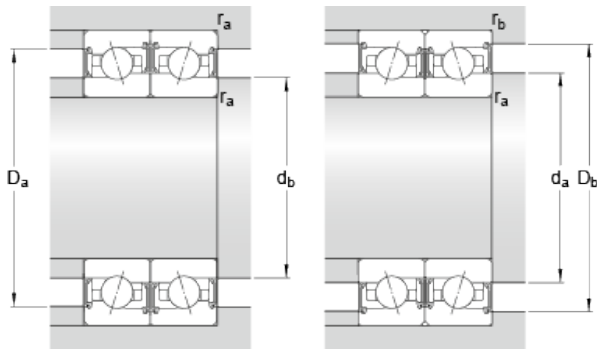




NUP BEARING LTD



45 mm x 75 mm x 16 mm skf S7009
CE/HCP4BVG275 Super-precision Angular
contact ball bearings

Bearing No. S7009 CE/HCP4BVG275

S7009 CE/HCP4BVG275 Bearing 2D drawings and 3D
CAD models

d	45 mm
D	75 mm
B	16 mm
d ₁	55.7 mm
d ₂	53.6 mm
D ₂	66.85 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.6 mm
a	16.1 mm
d _a min.	49.6 mm
d _a max.	55.1 mm
d _b min.	49.6 mm
d _b max.	53 mm
D _a max.	70.4 mm
D _b max.	70.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	13 kN
Basic static load rating C ₀	8.5 kN
Fatigue load limit P _u	0.36 kN
Attainable speed for grease lubrication	32000 r/min
Ball diameter D _w	7.144 mm
Number of balls z	21
Preload class A G _A	70 N



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Static axial stiffness, preload class A	42 N/ μ m
Preload class B G_B	210 N
Static axial stiffness, preload class B	65 N/ μ m
Preload class C G_C	410 N
Static axial stiffness, preload class C	88 N/ μ m
Calculation factor f	1.06
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}	1.01
Calculation factor f_0	8.2
Mass bearing	0.23 kg