



70 mm x 110 mm x 20 mm B SKF S7014
CE/HCP4BVG275 Double-Row Angular Contact
Ball Bearings

Bearing No. S7014 CE/HCP4BVG275

S7014 CE/HCP4BVG275 Bearing 2D drawings and 3D
CAD models

d	70 mm
D	110 mm
B	20 mm
d ₁	84.3 mm
d ₂	81.6 mm
D ₂	98.6 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	22.2 mm
d _a min.	76 mm
d _a max.	83.5 mm
d _b min.	76 mm
d _b max.	80.8 mm
D _a max.	104 mm
D _b max.	105.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	23.8 kN
Basic static load rating C ₀	18.3 kN
Fatigue load limit P _u	0.78 kN
Attainable speed for grease lubrication	20500 r/min
Ball diameter D _w	9.525 mm
Number of balls z	25
Preload class A G _A	130 N



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Static axial stiffness, preload class A	64 N/ μ m
Preload class B G_B	380 N
Static axial stiffness, preload class B	98 N/ μ m
Preload class C G_C	760 N
Static axial stiffness, preload class C	133 N/ μ m
Calculation factor f	1.09
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	8.4
Mass bearing	0.58 kg