



ROLLWAY BEARING Sales Co., Ltd.

S7012 ACE/P4BVG275 SKF High Speed Angular Contact Ball Bearings

Bearing No. S7012 ACE/P4BVG275

d	60 mm
D	95 mm
B	18 mm
d ₁	72.74 mm
d ₂	70.6 mm
D ₂	85.4 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	27.3 mm
d _a min.	66 mm
d _a max.	72.1 mm
d _b min.	66 mm
d _b max.	70 mm
D _a max.	89 mm
D _b max.	90.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	16.3 kN
Basic static load rating C ₀	12.2 kN
Fatigue load limit P _u	0.52 kN
Attainable speed for grease lubrication	18000 r/min
Ball diameter D _w	7.938 mm
Number of balls z	25
Preload class A G _A	150 N
Static axial stiffness, preload	122 N/ μ m

S7012 ACE/P4BVG275 Bearing 2D drawings and 3D CAD models



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class A	
Preload class B G_B	440 N
Static axial stiffness, preload class B	180 N/ μ m
Preload class C G_C	870 N
Static axial stiffness, preload class C	235 N/ μ m
Calculation factor f	1.08
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.06
Calculation factor f_{HC}	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Mass bearing	0.43 kg