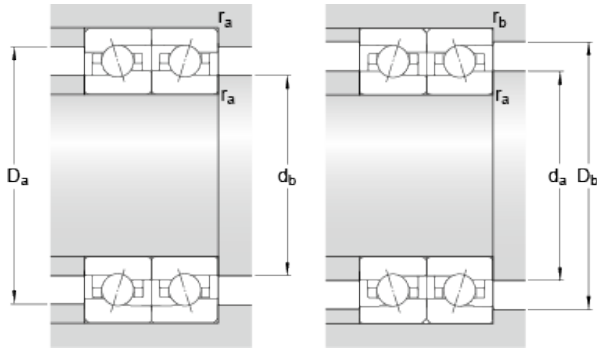




NTL BEARINGS LTD.



7012 CE/HCP4BVG275 SKF High Speed Angular Contact Ball Bearings

Bearing No. 7012 CE/HCP4BVG275

7012 CE/HCP4BVG275 Bearing 2D drawings and 3D CAD models

d	60 mm
D	95 mm
B	18 mm
d ₁	72.74 mm
d ₂	70.6 mm
D ₁	82.22 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	19.5 mm
d _a min.	66 mm
d _b min.	66 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	17.2 kN
Basic static load rating C ₀	12.9 kN
Fatigue load limit P _u	0.54 kN
Attainable speed for grease lubrication	24000 r/min
Ball diameter D _w	7.938 mm
Number of balls z	25
Reference grease quantity G _{ref}	5.3 cm ³
Preload class A G _A	92 N
Static axial stiffness, preload	53 N/ μ m



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class A	
Preload class B G_B	275 N
Static axial stiffness, preload class B	83 N/ μ m
Preload class C G_C	550 N
Static axial stiffness, preload class C	112 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}	1.05
Calculation factor f_{HC}	1.01
Calculation factor f_0	8.5
Mass bearing	0.39 kg