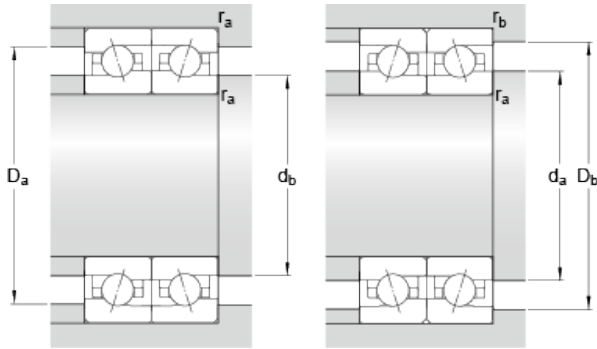




NTL BEARINGS LTD.



7013 ACE/P4BVG275 SKF High Speed Angular Contact Ball Bearings

Bearing No. 7013 ACE/P4BVG275

7013 ACE/P4BVG275 Bearing 2D drawings and 3D CAD models

d	65 mm
D	100 mm
B	18 mm
d ₁	77.26 mm
d ₂	74.9 mm
D ₁	87.72 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	28.4 mm
d _a min.	71 mm
d _b min.	71 mm
D _a max.	94 mm
D _b max.	95.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	19.5 kN
Basic static load rating C ₀	14.6 kN
Fatigue load limit P _u	0.62 kN
Attainable speed for grease lubrication	17000 r/min
Ball diameter D _w	8.731 mm
Number of balls z	25
Reference grease quantity G _{ref}	6.2 cm ³
Preload class A G _A	170 N
Static axial stiffness, preload	132 N/ μ m



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class A	
Preload class B G_B	520 N
Static axial stiffness, preload class B	198 N/ μ m
Preload class C G_C	1040 N
Static axial stiffness, preload class C	259 N/ μ m
Calculation factor f	1.09
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