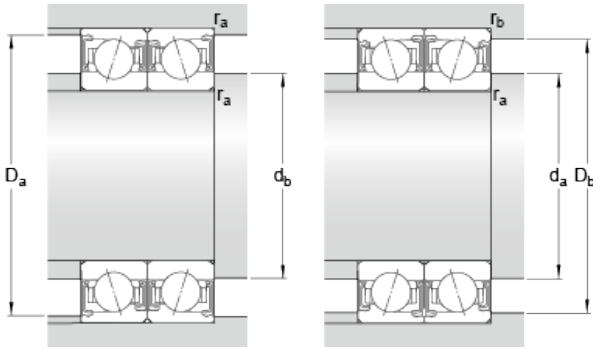




NTL BEARINGS LTD.



S7014 ACDTP/P4B SKF High Speed Angular Contact Ball Bearings

Bearing No. S7014 ACDTP/P4B

S7014 ACDTP/P4B Bearing 2D drawings and 3D CAD models

d	70 mm
D	110 mm
B	20 mm
d ₁	82.3 mm
d ₂	82.3 mm
D ₂	100.64 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	31.1 mm
d _a min.	76 mm
d _a max.	81.7 mm
d _b min.	76 mm
d _b max.	81.7 mm
D _a max.	104 mm
D _b max.	106 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	48.8 kN
Basic static load rating C ₀	44 kN
Fatigue load limit P _u	1.86 kN
Attainable speed for grease lubrication	11000 r/min
Ball diameter D _w	12.7 mm
Number of balls z	19
Preload class A G _A	300 N
Static axial stiffness, preload	191 N/ μ m



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class A	
Preload class B G_B	600 N
Static axial stiffness, preload class B	249 N/ μ m
Preload class C G_C	1200 N
Static axial stiffness, preload class C	330 N/ μ m
Preload class D G_D	2400 N
Static axial stiffness, preload class D	447 N/ μ m
Calculation factor f	1.12
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.08
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	0.61 kg