



SKF 7008 CDTP/HCP4B Precision Ball Bearings

Bearing No. 7008 CDTP/HCP4B

7008 CDTP/HCP4B Bearing 2D drawings and 3D CAD models

d	40 mm
D	68 mm
B	15 mm
d ₁	49.2 mm
d ₂	49.2 mm
D ₁	58.8 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.3 mm
a	14.8 mm
d _a min.	44.6 mm
d _b min.	44.6 mm
D _a max.	63.4 mm
D _b max.	66 mm
r _a max.	1 mm
r _b max.	0.3 mm
Basic dynamic load rating C	16.8 kN
Basic static load rating C ₀	11 kN
Fatigue load limit P _u	0.465 kN
Attainable speed for grease lubrication	24000 r/min
Ball diameter D _w	7.938 mm
Number of balls z	18
Reference grease quantity G _{ref}	2.4 cm ³
Preload class A G _A	60 N
Static axial stiffness, preload class A	42 N/μm



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Preload class B G_B	120 N
Static axial stiffness, preload class B	56 N/ μ m
Preload class C G_C	240 N
Static axial stiffness, preload class C	76 N/ μ m
Preload class D G_D	480 N
Static axial stiffness, preload class D	107 N/ μ m
Calculation factor f	1.06
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1.02
Calculation factor f_0	10
Mass bearing	0.17 kg