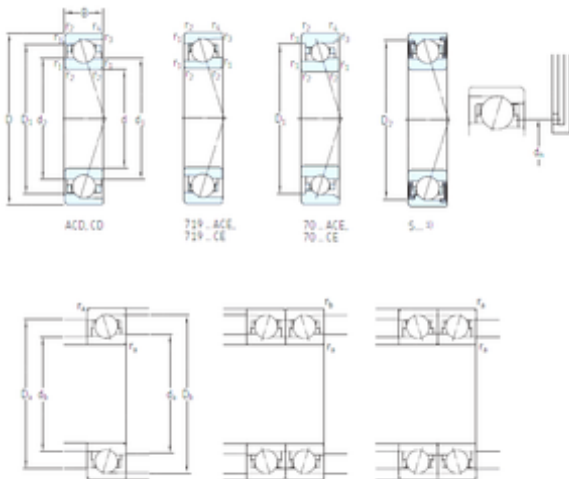




Bearing No. S7008 CD/HCP4A

a	14.8 mm
d	40 mm
D	68 mm
B	15 mm
C	15 mm
dh	50,8 mm
D2	61 mm
d1	49,2 mm
d2	49,2 mm
D1	58,8 mm
Db max	66 mm
db min	44,6 mm
Weight	0,17 Kg
rb max.	0,3 mm
ra max.	1 mm
Da max.	63,4 mm
r3 min.	0,3 mm
da min.	44,6 mm
r4 min.	0,3 mm
r2 min.	1 mm
r1 min.	1 mm
Size (mm)	40x68x15
Width (mm)	15
Mass bearing	0.17 kg
d ₁	49.2 mm
D ₂	61.02 mm
d ₂	49.2 mm
Bearing number	S7008 CD/HCP4A
Number of balls z	18
r _b max.	0.3 mm

Bore Diameter (mm)	40
d_a min.	44.6 mm
d_a max.	48.7 mm
d_b min.	44.6 mm
d_b max.	48.7 mm
D_a max.	63.4 mm
D_b max.	66 mm
r_a max.	1 mm
Outer Diameter (mm)	68
$r_{1,2}$ min.	1 mm
Calculation factor f	1.06
$r_{3,4}$ min.	0.3 mm
Fatigue load limit (Pu)	0,465
(Oil) Lubrication Speed	38 000 r/min
(Grease) Lubrication Speed	24 000 r/min
Basic dynamic load rating C	16.8 kN
Ball diameter D_w	7.938 mm
Basic dynamic load rating (C)	16,8 kN
Basic static load rating (C0)	11 kN
Preload class A G_A	60 N
Preload class B G_B	120 N
Preload class C G_C	240 N
Preload class D G_D	480 N
Fatigue load limit P_u	0.465 kN
Calculation factor f_0	10
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.02
Calculation factor f_{2D}	1.09

Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Basic static load rating C_0	11 kN
Static axial stiffness, preload class C	76 N/ μ m
Static axial stiffness, preload class D	107 N/ μ m
Static axial stiffness, preload class B	56 N/ μ m
Static axial stiffness, preload class A	42 N/ μ m
Attainable speed for grease lubrication	24000 r/min