



Bearing No. S7008 CE/P4A

D	68 mm
d	40 mm
B	15 mm
a	14.8 mm
Ball - z	19
Size (mm)	68x40x15
Width (mm)	15
Mass bearing	0.19 kg
D ₂	60.85 mm
d ₂	47.6 mm
d ₁	49.7 mm
d ₂	47.6 mm
D ₂	60.85 mm
d ₁	49.7 mm
Bearing number	S7008 CE/P4A
Preload class B	54 N/micron
Preload class A	34 N/micron
Preload class C	73 N/micron
Number of balls z	19
Bore Diameter (mm)	68
d _a min.	44.6 mm
d _a max.	49.1 mm
d _b min.	44.6 mm
d _b max.	47 mm
D _a max.	63.4 mm
D _b max.	63.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
Outer Diameter (mm)	40
r _{3,4} min.	0.6 mm

d_b - min.	44.6 mm
Calculation factor f	1.06
d_a - max.	49.1 mm
$r_{1,2}$ min.	1 mm
D_a - max.	63.4 mm
d_b - max.	47 mm
D_b - max.	63.8 mm
r_a - max.	1 mm
d_a - min.	44.6 mm
Ball - D_w	7.144 mm
r_b - max.	0.6 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - f	1.06
$r_{1,2}$ - min.	1 mm
Basic dynamic load rating C	12.4 kN
Ball diameter D_w	7.144 mm
Basic dynamic load rating - C	12.4 kN
Preload class A G_A	65 N
Preload class B G_B	200 N
Preload class C G_C	390 N
Preload class A - G_A	65 N
Preload class B - G_B	200 N
Preload class C - G_C	390 N
Fatigue load limit P_u	0.32 kN
Calculation factor f_1	1
Calculation factor f_0	8.1
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2A}	1

Calculation factor - f	1
Calculation factor - f_0	8.1
Fatigue load limit - P_u	0.32 kN
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.03
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	30000 r/min
Basic static load rating C_0	7.65 kN
Static axial stiffness, preload class B	54 N/ μ m
Static axial stiffness, preload class C	73 N/ μ m
Static axial stiffness, preload class A	34 N/ μ m
Attainable speed for grease lubrication	30000 r/min
Basic static load rating - C_0	7.6 kN