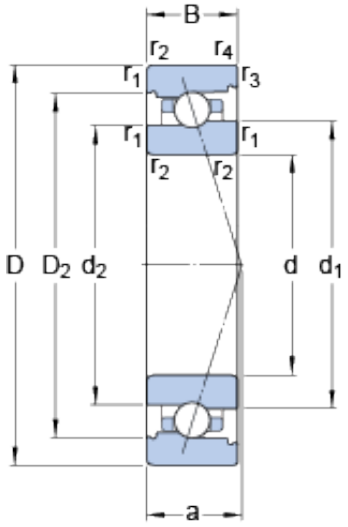
Loyal | 7008 CB/P4A



Bearing No. 7008 CB/P4A

D	68 mm
d	40 mm
B	15 mm
a	14.8 mm
Ball - z	26
Size (mm)	68x40x15
Width (mm)	15
Mass bearing	0.21 kg
d_n	51.6 mm
d_n	51.6 mm
D_2	58.88 mm
d_1	50.95 mm
d_2	49.87 mm
D_2	58.88 mm
d_2	49.87 mm
d_1	50.95 mm
Bearing number	7008 CB/P4A
Preload class A	28 N/micron
Preload class B	36 N/micron
Preload class C	57 N/micron
G_{ref}	2.22 cm3
Number of balls z	26
D_a max.	63.4 mm
d_a min.	44.6 mm
d_b min.	44.6 mm
D_b max.	64.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	68

Outer Diameter (mm)	40
d_a - min.	44.6 mm
r_a - max.	1 mm
$r_{1,2}$ min.	1 mm
Calculation factor f	1.04
D_b - max.	64.8 mm
$r_{3,4}$ min.	0.6 mm
r_b - max.	0.6 mm
D_a - max.	63.4 mm
Ball - D_w	4.762 mm
d_b - min.	44.6 mm
Calculation factor - f	1.04
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1 mm
Basic dynamic load rating C	9.95 kN
Ball diameter D_w	4.762 mm
Preload class B G_B	48 N
Preload class A G_A	24 N
Basic dynamic load rating - C	7.4 kN
Preload class C G_C	145 N
Preload class A - G_A	24 N
Preload class C - G_C	145 N
Preload class B - G_B	48 N
Calculation factor f_1	1
Fatigue load limit P_u	0.236 kN
Calculation factor f_0	9.8
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1

Calculation factor - f	1
Fatigue load limit - P_u	0.236 kN
Calculation factor - f_0	9.8
Limiting speed for oil lubrication	43000 mm/min
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	28000 r/min
Basic static load rating C_0	9.3 kN
Static axial stiffness, preload class A	28 N/µm
Static axial stiffness, preload class B	36 N/µm
Static axial stiffness, preload class C	57 N/µm
Attainable speed for grease lubrication	28000 r/min
Attainable speed for oil-air lubrication	43000 r/min
Basic static load rating - C_0	5.6 kN
Reference grease quantity G_{ref}	2.22 cm³