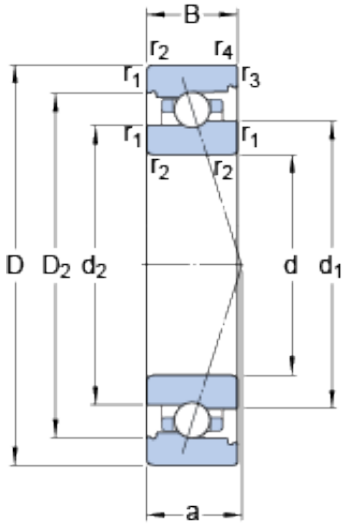
Loyal | 7006 CB/HCP4A



Bearing No. 7006 CB/HCP4A

D	55 mm
d	30 mm
B	13 mm
a	12.2 mm
Ball - z	20
Size (mm)	55x30x13
Width (mm)	13
Mass bearing	0.13 kg
d_n	40 mm
d_n	40 mm
D_2	47.25 mm
d_1	39.45 mm
d_2	38.3 mm
D_2	47.25 mm
d_2	38.3 mm
d_1	39.45 mm
Bearing number	7006 CB/HCP4A
Preload class A	25 N/micron
Preload class B	32 N/micron
Preload class C	51 N/micron
G_{ref}	1.4 cm3
Number of balls z	20
D_a max.	50.4 mm
d_a min.	34.6 mm
d_b min.	34.6 mm
D_b max.	51.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	55

Outer Diameter (mm)	30
d_a - min.	34.6 mm
r_a - max.	1 mm
$r_{1,2}$ min.	1 mm
Calculation factor f	1.03
D_b - max.	51.8 mm
$r_{3,4}$ min.	0.6 mm
r_b - max.	0.6 mm
D_a - max.	50.4 mm
Ball - D_w	4.762 mm
d_b - min.	34.6 mm
Calculation factor - f	1.03
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1 mm
Basic dynamic load rating C	8.84 kN
Ball diameter D_w	4.762 mm
Preload class B G_B	42 N
Preload class A G_A	21 N
Basic dynamic load rating - C	6.5 kN
Preload class C G_C	125 N
Preload class A - G_A	21 N
Preload class C - G_C	125 N
Preload class B - G_B	42 N
Calculation factor f_1	1
Fatigue load limit P_u	0.176 kN
Calculation factor f_0	9.4
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.01

Calculation factor - f	1
Fatigue load limit - P_u	0.176 kN
Calculation factor - f_0	9.4
Limiting speed for oil lubrication	67000 mm/min
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1.01
Limiting speed for grease lubrication	43000 r/min
Basic static load rating C_0	7.1 kN
Static axial stiffness, preload class A	25 N/µm
Static axial stiffness, preload class B	32 N/µm
Static axial stiffness, preload class C	51 N/µm
Attainable speed for grease lubrication	43000 r/min
Attainable speed for oil-air lubrication	67000 r/min
Basic static load rating - C_0	4.2 kN
Reference grease quantity G_{ref}	1.4 cm³