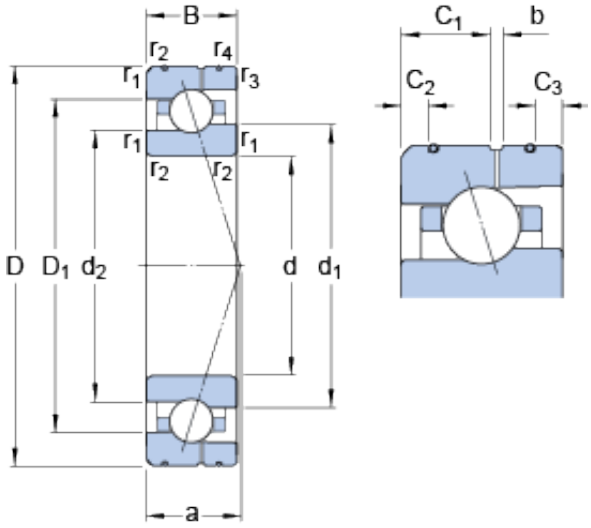
Loyal | 7006 CE/HCP4AL



Bearing No. 7006 CE/HCP4AL

b	1.8 mm
d	30 mm
a	12.2 mm
B	13 mm
D	55 mm
Ball - z	17
Size (mm)	55x30x13
Width (mm)	13
Mass bearing	0.1 kg
d_2	36.4 mm
D_1	45.81 mm
d_n	39.9 mm
C_1	6.5 mm
C_2	2.3 mm
C_3	2.6 mm
C_2	2.3 mm
C_1	6.5 mm
d_n	39.9 mm
D_1	45.81 mm
d_2	36.4 mm
d_1	38.2 mm
d_1	38.2 mm
C_3	2.6 mm
Bearing number	7006 CE/HCP4AL
Preload class B	49 N/micron
G_{ref}	1.7 cm3
Preload class C	67 N/micron
Preload class A	31 N/micron
Number of balls z	17

d_a min.	34.6 mm
d_b min.	34.6 mm
D_a max.	50.4 mm
D_b max.	50.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	55
Outer Diameter (mm)	30
$r_{1,2}$ min.	1 mm
d_a - min.	34.6 mm
d_b - min.	34.6 mm
D_a - max.	50.4 mm
Calculation factor f	1.05
r_b - max.	0.6 mm
$r_{3,4}$ min.	0.6 mm
r_a - max.	1 mm
D_b - max.	50.8 mm
Ball - D_w	6.35 mm
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1 mm
Calculation factor - f	1.05
Ball diameter D_w	6.35 mm
Basic dynamic load rating C	9.36 kN
Preload class B G_B	150 N
Preload class C G_C	300 N
Preload class A G_A	50 N
Basic dynamic load rating - C	9.4 kN
Preload class A - G_A	50 N
Preload class B - G_B	150 N
Preload class C - G_C	300 N

Calculation factor f_1	1
Calculation factor f_0	7.9
Fatigue load limit P_u	0.22 kN
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.03
Calculation factor - f	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.01
Calculation factor - f_0	7.9
Limiting speed for oil lubrication	73000 mm/min
Fatigue load limit - P_u	0.22 kN
Calculation factor - f_{HC}	1.01
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	47000 r/min
Basic static load rating C_0	5.2 kN
Static axial stiffness, preload class A	31 N/µm
Static axial stiffness, preload class B	49 N/µm
Static axial stiffness, preload class C	67 N/µm
Attainable speed for grease lubrication	47000 r/min
Basic static load rating - C_0	5.2 kN
Attainable speed for oil-air lubrication	73000 r/min
Reference grease quantity G_{ref}	1.7 cm³