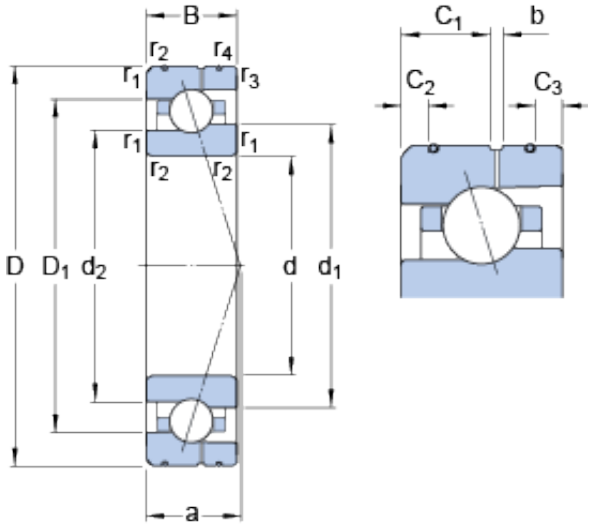
Loyal | 7016 CE/HCP4AL



Bearing No. 7016 CE/HCP4AL

b	2.8 mm
d	80 mm
a	24.9 mm
B	22 mm
D	125 mm
Ball - z	25
Size (mm)	125x80x22
Width (mm)	22
Mass bearing	0.77 kg
d_2	93 mm
D_1	109.17 mm
d_n	98.5 mm
C_1	11.1 mm
C_2	3.8 mm
C_3	3.8 mm
C_2	3.8 mm
C_1	11.1 mm
d_n	98.5 mm
D_1	109.17 mm
d_2	93 mm
d_1	95.83 mm
d_1	95.83 mm
C_3	3.8 mm
Bearing number	7016 CE/HCP4AL
Preload class B	127 N/micron
G_{ref}	12 cm3
Preload class C	174 N/micron
Preload class A	80 N/micron
Number of balls z	25

d_a min.	86 mm
d_b min.	86 mm
D_a max.	119 mm
D_b max.	120.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	125
Outer Diameter (mm)	80
$r_{1,2}$ min.	1.1 mm
d_a - min.	86 mm
d_b - min.	86 mm
D_a - max.	119 mm
Calculation factor f	1.1
r_b - max.	0.6 mm
$r_{3,4}$ min.	0.6 mm
r_a - max.	1 mm
D_b - max.	120.8 mm
Ball - D_w	11.112 mm
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Calculation factor - f	1.1
Ball diameter D_w	11.112 mm
Basic dynamic load rating C	33.8 kN
Preload class B G_B	550 N
Preload class C G_C	1090 N
Preload class A G_A	180 N
Basic dynamic load rating - C	33.8 kN
Preload class A - G_A	180 N
Preload class B - G_B	550 N
Preload class C - G_C	1090 N

Calculation factor f_1	1
Calculation factor f_0	9.4
Fatigue load limit P_u	1.18 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	9.4
Limiting speed for oil lubrication	27000 mm/min
Fatigue load limit - P_u	1.2 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	17500 r/min
Basic static load rating C_0	28 kN
Static axial stiffness, preload class A	80 N/µm
Static axial stiffness, preload class B	127 N/µm
Static axial stiffness, preload class C	174 N/µm
Attainable speed for grease lubrication	17500 r/min
Basic static load rating - C_0	28 kN
Attainable speed for oil-air lubrication	27000 r/min
Reference grease quantity G_{ref}	12 cm³