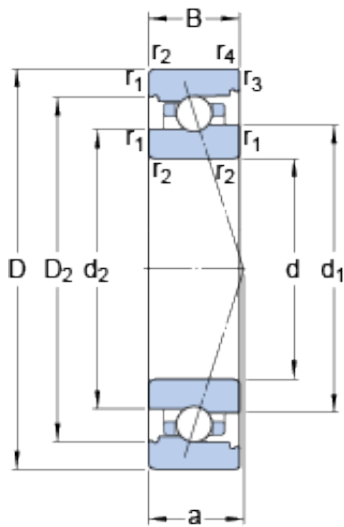




Bearing No. 7016 CB/HCP4A

D	125 mm
d	80 mm
B	22 mm
a	24.9 mm
Ball - z	27
Size (mm)	125x80x22
Width (mm)	22
Mass bearing	0.86 kg
d_n	98 mm
d_n	98 mm
D_2	111.4 mm
d_1	96.7 mm
d_2	94.3 mm
D_2	111.4 mm
d_2	94.3 mm
d_1	96.7 mm
Bearing number	7016 CB/HCP4A
Preload class A	59 N/micron
Preload class B	76 N/micron
Preload class C	120 N/micron
G_{ref}	10.49 cm ³
Number of balls z	27
D_a max.	119 mm
d_a min.	86 mm
d_b min.	86 mm
D_b max.	121.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	125

Outer Diameter (mm)	80
d_a - min.	86 mm
r_a - max.	1 mm
$r_{1,2}$ min.	1.1 mm
Calculation factor f	1.07
D_b - max.	121.8 mm
$r_{3,4}$ min.	0.6 mm
r_b - max.	0.6 mm
D_a - max.	119 mm
Ball - D_w	9.525 mm
d_b - min.	86 mm
Calculation factor - f	1.07
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Basic dynamic load rating C	31.2 kN
Ball diameter D_w	9.525 mm
Preload class B G_B	155 N
Preload class A G_A	78 N
Basic dynamic load rating - C	26.5 kN
Preload class C G_C	470 N
Preload class A - G_A	78 N
Preload class C - G_C	470 N
Preload class B - G_B	155 N
Calculation factor f_1	1
Fatigue load limit P_u	0.95 kN
Calculation factor f_0	9.6
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	0.95 kN
Calculation factor - f_0	9.6
Limiting speed for oil lubrication	26000 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	17000 r/min
Basic static load rating C_0	34.5 kN
Static axial stiffness, preload class A	59 N/ μ m
Static axial stiffness, preload class B	76 N/ μ m
Static axial stiffness, preload class C	120 N/ μ m
Attainable speed for grease lubrication	17000 r/min
Attainable speed for oil-air lubrication	26000 r/min
Basic static load rating - C_0	22.8 kN
Reference grease quantity G_{ref}	10.49 cm ³