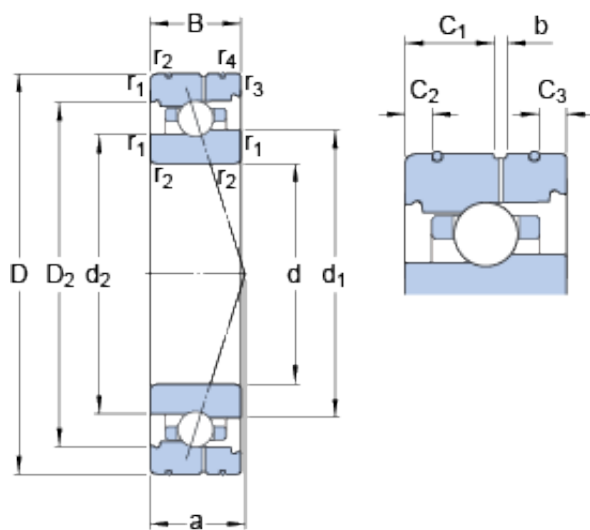




Bearing No. 7024 CB/P4AL

b	2.2 mm
d	120 mm
a	34.2 mm
B	28 mm
D	180 mm
Ball - z	33
Size (mm)	180x120x28
Width (mm)	28
Mass bearing	2.35 kg
d ₂	140.8 mm
D ₂	161.9 mm
d _n	144.7 mm
C ₁	15.1 mm
C ₂	6.3 mm
C ₃	4.3 mm
C ₂	6.3 mm
C ₁	15.1 mm
d _n	144.7 mm
D ₂	161.9 mm
d ₂	140.8 mm
d ₁	143.2 mm
d ₁	143.2 mm
C ₃	4.3 mm
Bearing number	7024 CB/P4AL
Preload class B	98 N/micron
G _{ref}	23.69 cm3
Preload class C	156 N/micron
Preload class A	75 N/micron
Number of balls z	33

d_a min.	129 mm
d_b min.	129 mm
D_a max.	171 mm
D_b max.	175.4 mm
r_a max.	2 mm
r_b max.	1 mm
Bore Diameter (mm)	180
Outer Diameter (mm)	120
$r_{1,2}$ min.	2 mm
d_a - min.	129 mm
d_b - min.	129 mm
D_a - max.	171 mm
Calculation factor f	1.08
r_b - max.	1 mm
$r_{3,4}$ min.	1 mm
r_a - max.	2 mm
D_b - max.	175.4 mm
Ball - D_w	11.112 mm
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Calculation factor - f	1.08
Ball diameter D_w	11.112 mm
Basic dynamic load rating C	50.7 kN
Preload class B G_B	260 N
Preload class C G_C	780 N
Preload class A G_A	130 N
Basic dynamic load rating - C	37.7 kN
Preload class A - G_A	130 N
Preload class B - G_B	260 N
Preload class C - G_C	780 N

Calculation factor f_1	1
Calculation factor f_0	9.8
Fatigue load limit P_u	1.34 kN
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor - f	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1
Calculation factor - f_0	9.8
Limiting speed for oil lubrication	14000 mm/min
Fatigue load limit - P_u	1.3 kN
Calculation factor - f_{HC}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	9500 r/min
Basic static load rating C_0	63 kN
Static axial stiffness, preload class A	75 N/μm
Static axial stiffness, preload class B	98 N/μm
Static axial stiffness, preload class C	156 N/μm
Attainable speed for grease lubrication	9500 r/min
Basic static load rating - C_0	39 kN
Attainable speed for oil-air lubrication	14000 r/min
Reference grease quantity G_{ref}	23.69 cm ³

