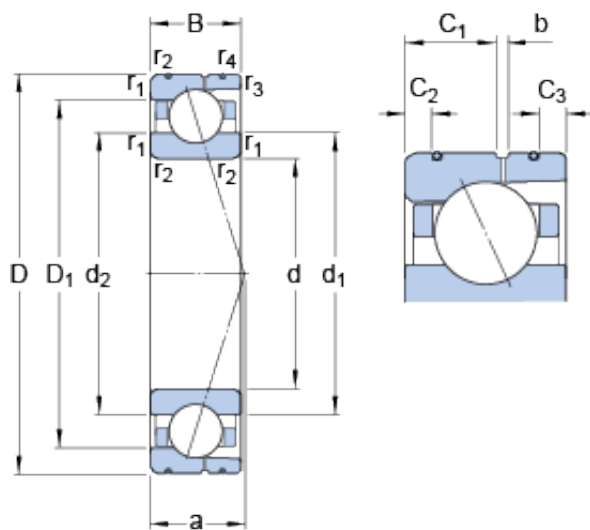




Bearing No. 7024 CD/P4AL

b	2.8 mm
d	120 mm
a	34.2 mm
B	28 mm
D	180 mm
Ball - z	22
Size (mm)	180x120x28
Width (mm)	28
Mass bearing	2.13 kg
d ₂	138.5 mm
D ₁	161.5 mm
d _n	142.6 mm
C ₁	15 mm
C ₂	6.2 mm
C ₃	5.4 mm
C ₂	6.2 mm
C ₁	15 mm
d _n	142.6 mm
D ₁	161.5 mm
d ₂	138.5 mm
d ₁	138.5 mm
d ₁	138.5 mm
C ₃	5.4 mm
Bearing number	7024 CD/P4AL
Preload class B	179 N/micron
G _{ref}	27 cm3
Preload class C	251 N/micron
Preload class D	364 N/micron
Preload class A	131 N/micron

Number of balls z	22
d_a min.	129 mm
D_a max.	171 mm
d_b min.	129 mm
D_b max.	175 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	1.17
r_b - max.	1 mm
$r_{3,4}$ min.	1 mm
D_b - max.	175 mm
Ball - D_w	19.05 mm
r_a - max.	2 mm
Calculation factor - f	1.17
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Ball diameter D_w	19.05 mm
Basic dynamic load rating C	114 kN
Preload class B G_B	860 N
Preload class A G_A	430 N
Preload class D G_D	3440 N
Preload class C G_C	1720 N
Basic dynamic load rating - C	114 kN
Preload class B - G_B	860 N

Preload class C - G_C	1720 N
Preload class D - G_D	3440 N
Preload class A - G_A	430 N
Calculation factor f_1	1
Calculation factor f_0	15.7
Fatigue load limit P_u	4.25 kN
Calculation factor f_{HC}	1
Calculation factor f_{2D}	1.09
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor - f	1
Calculation factor f_{2C}	1.05
Fatigue load limit - P_u	4.2 kN
Limiting speed for oil lubrication	11000 mm/min
Calculation factor - f_0	15.7
Calculation factor - f_{HC}	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2D}	1.09
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	7000 r/min
Basic static load rating C_0	122 kN
Static axial stiffness, preload class B	179 N/ μ m
Static axial stiffness, preload class A	131 N/ μ m
Static axial stiffness, preload class C	251 N/ μ m
Static axial stiffness,	364 N/ μ m

preload class D	
Attainable speed for grease lubrication	7000 r/min
Basic static load rating - C_0	122 kN
Attainable speed for oil-air lubrication	11000 r/min
Reference grease quantity G_{ref}	27 cm ³