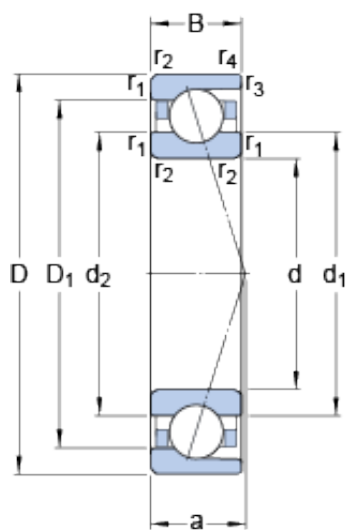




Bearing No. 7024 CD/HCP4A

D	180 mm
d	120 mm
B	28 mm
a	34.2 mm
Ball - z	22
Size (mm)	180x120x28
Width (mm)	28
Mass bearing	1.76 kg
d _n	142.6 mm
d _n	142.6 mm
D ₁	161.5 mm
d ₁	138.5 mm
d ₂	138.5 mm
D ₁	161.5 mm
d ₂	138.5 mm
d ₁	138.5 mm
Bearing number	7024 CD/HCP4A
Preload class A	146 N/micron
G _{ref}	27 cm3
Preload class C	278 N/micron
Preload class D	404 N/micron
Preload class B	198 N/micron
Number of balls z	22
r _b max.	1 mm
r _a max.	2 mm
D _b max.	175 mm
D _a max.	171 mm
d _a min.	129 mm
Bore Diameter (mm)	180

d_b min.	129 mm
Outer Diameter (mm)	120
d_a - min.	129 mm
r_a - max.	2 mm
$r_{1,2}$ min.	2 mm
Calculation factor f	1.17
D_b - max.	175 mm
$r_{3,4}$ min.	1 mm
D_a - max.	171 mm
Ball - D_w	19.05 mm
r_b - max.	1 mm
d_b - min.	129 mm
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Calculation factor - f	1.17
Basic dynamic load rating C	114 kN
Ball diameter D_w	19.05 mm
Preload class C G_C	1720 N
Preload class D G_D	3440 N
Preload class B G_B	860 N
Preload class A G_A	430 N
Basic dynamic load rating - C	114 kN
Preload class D - G_D	3440 N
Preload class C - G_C	1720 N
Preload class B - G_B	860 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}	1.02

Calculation factor f_{2D}	1.09
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor - f	1
Fatigue load limit - P_u	4.2 kN
Limiting speed for oil lubrication	13000 mm/min
Calculation factor - f_0	15.7
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2D}	1.09
Limiting speed for grease lubrication	8500 r/min
Basic static load rating C_0	122 kN
Static axial stiffness, preload class D	404 N/ μ m
Static axial stiffness, preload class B	198 N/ μ m
Static axial stiffness, preload class A	146 N/ μ m
Attainable speed for grease lubrication	8500 r/min
Static axial stiffness, preload class C	278 N/ μ m
Basic static load rating - C_0	122 kN
Attainable speed for oil-air lubrication	13000 r/min
Reference grease quantity G_{ref}	27 cm ³

