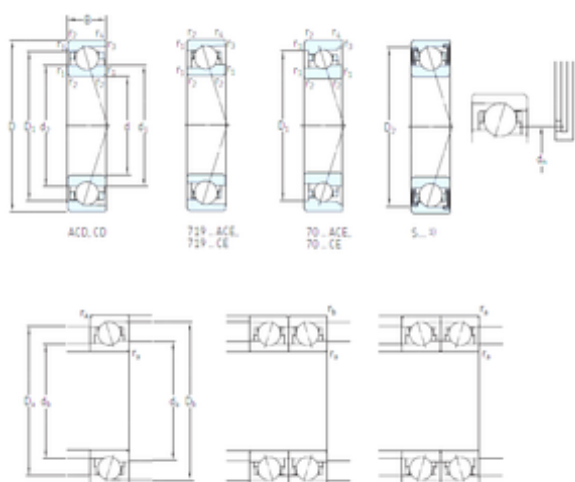




Bearing No. S7024 CD/P4A

a	34.2 mm
d	120 mm
D	180 mm
B	28 mm
C	28 mm
dh	142,6 mm
D2	165,1 mm
d1	138,5 mm
d2	138,5 mm
D1	161,5 mm
Db max	175 mm
db min	129 mm
Weight	2,15 Kg
rb max.	1 mm
ra max.	2 mm
Da max.	171 mm
r3 min.	1 mm
da min.	129 mm
r4 min.	1 mm
r2 min.	2 mm
r1 min.	2 mm
Size (mm)	120x180x28
Width (mm)	28
Mass bearing	2.15 kg
d ₁	138.5 mm
D ₂	165.05 mm
d ₂	138.5 mm
Bearing number	S7024 CD/P4A
Number of balls z	22
r _b max.	1 mm

Bore Diameter (mm)	120
d_a min.	129 mm
d_a max.	137.9 mm
d_b min.	129 mm
d_b max.	137.9 mm
D_a max.	171 mm
D_b max.	175 mm
r_a max.	2 mm
Outer Diameter (mm)	180
$r_{1,2}$ min.	2 mm
Calculation factor f	1.17
$r_{3,4}$ min.	1 mm
Fatigue load limit (Pu)	4,25
(Oil) Lubrication Speed	11 000 r/min
(Grease) Lubrication Speed	7 000 r/min
Basic dynamic load rating C	114 kN
Ball diameter D_w	19.05 mm
Basic dynamic load rating (C)	114 kN
Basic static load rating (C0)	122 kN
Preload class A G_A	430 N
Preload class B G_B	860 N
Preload class C G_C	1720 N
Preload class D G_D	3440 N
Fatigue load limit P_u	4.25 kN
Calculation factor f_0	15.7
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1
Calculation factor f_{2D}	1.09

Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Basic static load rating C_0	122 kN
Static axial stiffness, preload class C	251 N/ μ m
Static axial stiffness, preload class D	364 N/ μ m
Static axial stiffness, preload class B	179 N/ μ m
Static axial stiffness, preload class A	131 N/ μ m
Attainable speed for grease lubrication	7000 r/min