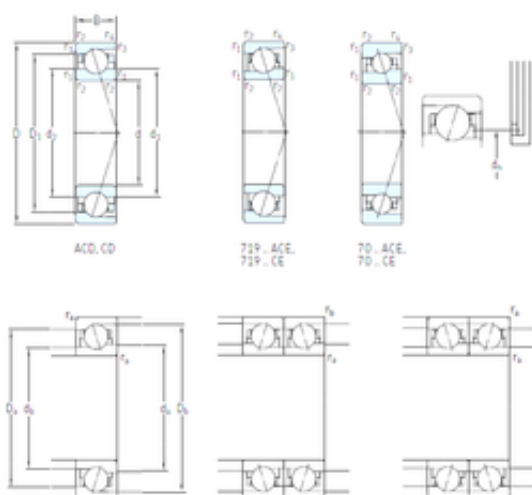




Bearing No. 7220 CD/HCP4A

a	35.9 mm
d	100 mm
D	180 mm
B	34 mm
C	34 mm
dh	131,4 mm
D2	– mm
d1	124,7 mm
d2	124,7 mm
D1	155,3 mm
Db max	173 mm
db min	112 mm
Weight	2,65 Kg
rb max.	1 mm
ra max.	2 mm
Da max.	168 mm
r4 min.	1,1 mm
da min.	112 mm
r3 min.	1,1 mm
r2 min.	2,1 mm
r1 min.	2,1 mm
Size (mm)	100x180x34
Width (mm)	34
Mass bearing	2.64 kg
d ₁	124.7 mm
d _n	131.4 mm
D ₁	155.3 mm
d ₂	124.7 mm
Bearing number	7220 CD/HCP4A
Number of balls z	15

Bore Diameter (mm)	100
d_a min.	112 mm
d_b min.	112 mm
D_a max.	168 mm
D_b max.	173 mm
r_a max.	2 mm
r_b max.	1 mm
Outer Diameter (mm)	180
$r_{3,4}$ min.	1.1 mm
Calculation factor f	1.09
$r_{1,2}$ min.	2.1 mm
(Oil) Lubrication Speed	14 000 r/min
Fatigue load limit (Pu)	4,9
(Grease) Lubrication Speed	9 000 r/min
Basic dynamic load rating C	156 kN
Ball diameter D_w	25.4 mm
Preload class C G_C	2360 N
Preload class A G_A	590 N
Preload class B G_B	1180 N
Preload class D G_D	4720 N
Basic dynamic load rating (C)	156 kN
Basic static load rating (C0)	137 kN
Fatigue load limit P_u	4.9 kN
Calculation factor f_0	14.5
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.01
Calculation factor f_{2D}	1.06
Calculation factor f_{2C}	1.03

Calculation factor f_{2B}	1.01
Basic static load rating C_0	137 kN
Attainable speed for grease lubrication	9000 r/min
Static axial stiffness, preload class D	368 N/ μ m
Static axial stiffness, preload class C	256 N/ μ m
Static axial stiffness, preload class B	183 N/ μ m
Static axial stiffness, preload class A	135 N/ μ m
Attainable speed for oil- air lubrication	14000 r/min
Reference grease quantity G_{ref}	40.899 cm ³