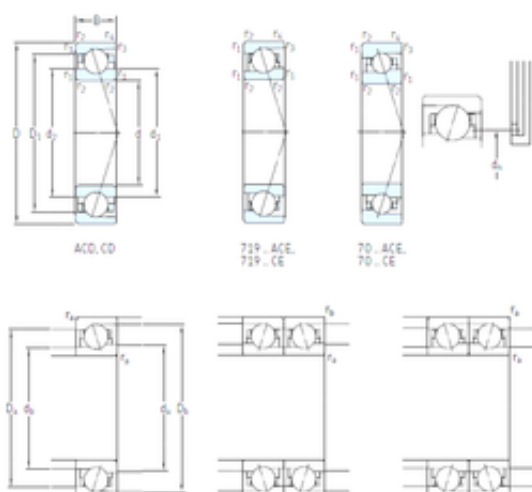




Bearing No. 7213 ACD/HCP4A

a	33.2 mm
d	65 mm
D	120 mm
B	23 mm
C	23 mm
dh	86,6 mm
D2	105,3 mm
d1	82,9 mm
d2	82,9 mm
D1	102,1 mm
Db max	115,8 mm
db min	74 mm
Weight	0,88 Kg
rb max.	0,6 mm
ra max.	1,5 mm
Da max.	111 mm
r4 min.	0,6 mm
da min.	74 mm
r3 min.	0,6 mm
r2 min.	1,5 mm
r1 min.	1,5 mm
Size (mm)	65x120x23
Width (mm)	23
Mass bearing	0.88 kg
d ₁	82.9 mm
d _n	86.6 mm
D ₁	102.1 mm
d ₂	82.9 mm
Bearing number	7213 ACD/HCP4A
Number of balls z	15

d_b min.	74 mm
d_a min.	74 mm
D_a max.	111 mm
D_b max.	115.8 mm
r_a max.	1.5 mm
r_b max.	0.6 mm
Bore Diameter (mm)	65
Outer Diameter (mm)	120
Calculation factor e	0.68
Calculation factor f	1.07
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
(Oil) Lubrication Speed	20 000 r/min
Fatigue load limit (Pu)	2,2
(Grease) Lubrication Speed	13 000 r/min
Ball diameter D_w	15.875 mm
Basic dynamic load rating C	63.7 kN
Basic static load rating (C0)	51 kN
Preload class A G_A	400 N
Basic dynamic load rating (C)	63,7 kN
Preload class B G_B	800 N
Preload class C G_C	1600 N
Preload class D G_D	3200 N
Calculation factor f_1	0.99
Fatigue load limit P_u	2.2 kN
Calculation factor f_{HC}	1.01
Calculation factor f_{2D}	1.06
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01

Calculation factor f_{2A}	1
Basic static load rating C_0	51 kN
Static axial stiffness, preload class D	485 N/ μ m
Static axial stiffness, preload class C	360 N/ μ m
Static axial stiffness, preload class B	272 N/ μ m
Attainable speed for grease lubrication	13000 r/min
Static axial stiffness, preload class A	209 N/ μ m
Attainable speed for oil- air lubrication	20000 r/min
Reference grease quantity G_{ref}	12.471 cm ³
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back- to-back, face-to-face) Y_1	0.92
Calculation factor (back- to-back, face-to-face) Y_2	1.41
Calculation factor (back- to-back, face-to-face) Y_0	0.76
Calculation factor (back- to-back, face-to-face) X_2	0.67