



Bearing No. 7200 CD/HCP4A

a	7.3 mm
d	10 mm
D	30 mm
B	9 mm
C	9 mm
dh	18,3 mm
D2	24,3 mm
d1	17,3 mm
d2	17,3 mm
D1	23,1 mm
Db max	27,6 mm
db min	14,2 mm
Weight	0,029 Kg
rb max.	0,3 mm
ra max.	0,6 mm
Da max.	25,8 mm
r4 min.	0,3 mm
da min.	14,2 mm
r3 min.	0,3 mm
r2 min.	0,6 mm
r1 min.	0,6 mm
Size (mm)	10x30x9
Width (mm)	9
Mass bearing	0.029 kg
d ₁	17.3 mm
d _n	18.3 mm
D ₁	23.1 mm
d ₂	17.3 mm
Bearing number	7200 CD/HCP4A
Number of balls z	10

Bore Diameter (mm)	10
d_a min.	14.2 mm
d_b min.	14.2 mm
D_a max.	25.8 mm
D_b max.	27.6 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
Outer Diameter (mm)	30
$r_{3,4}$ min.	0.3 mm
Calculation factor f	1.02
$r_{1,2}$ min.	0.6 mm
(Oil) Lubrication Speed	100 000 r/min
Fatigue load limit (Pu)	0,08
(Grease) Lubrication Speed	70 000 r/min
Basic dynamic load rating C	4.49 kN
Ball diameter D_w	4.762 mm
Preload class C G_C	68 N
Preload class A G_A	17 N
Preload class B G_B	34 N
Preload class D G_D	136 N
Basic dynamic load rating (C)	4,49 kN
Basic static load rating (C0)	1,93 kN
Fatigue load limit P_u	0.08 kN
Calculation factor f_0	8.8
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	1.93 kN
Attainable speed for grease lubrication	70000 r/min
Static axial stiffness, preload class D	41 N/ μ m
Static axial stiffness, preload class C	29 N/ μ m
Static axial stiffness, preload class B	21 N/ μ m
Static axial stiffness, preload class A	16 N/ μ m
Attainable speed for oil- air lubrication	100000 r/min
Reference grease quantity G_{ref}	0.357 cm ³