



Bearing No. 7038 CD/HCP4A

a	55.3 mm
d	190 mm
D	290 mm
B	46 mm
C	46 mm
dh	229,7 mm
D2	- mm
d1	221,8 mm
d2	221,8 mm
D1	258,2 mm
Db max	284 mm
db min	201 mm
Weight	8,05 Kg
rb max.	1 mm
ra max.	2 mm
Da max.	279 mm
r4 min.	1,1 mm
da min.	201 mm
r3 min.	1,1 mm
r2 min.	2,1 mm
r1 min.	2,1 mm
Size (mm)	190x290x46
Width (mm)	46
Mass bearing	8.03 kg
d ₁	221.8 mm
d _n	229.7 mm
D ₁	258.2 mm
d ₂	221.8 mm
Bearing number	7038 CD/HCP4A
Number of balls z	22

Bore Diameter (mm)	190
d_a min.	201 mm
d_b min.	201 mm
D_a max.	279 mm
D_b max.	284 mm
r_a max.	2 mm
r_b max.	1 mm
Outer Diameter (mm)	290
$r_{3,4}$ min.	1.1 mm
Calculation factor f	1.14
$r_{1,2}$ min.	2.1 mm
(Oil) Lubrication Speed	9 000 r/min
Fatigue load limit (Pu)	8,3
(Grease) Lubrication Speed	5 600 r/min
Basic dynamic load rating C	247 kN
Ball diameter D_w	30.162 mm
Preload class C G_C	3800 N
Preload class A G_A	950 N
Preload class B G_B	1900 N
Preload class D G_D	7600 N
Basic dynamic load rating (C)	247 kN
Basic static load rating (C0)	305 kN
Fatigue load limit P_u	8.3 kN
Calculation factor f_0	15.9
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.02
Calculation factor f_{2D}	1.09
Calculation factor f_{2C}	1.05

Calculation factor f_{2B}	1.02
Basic static load rating C_0	305 kN
Attainable speed for grease lubrication	5600 r/min
Static axial stiffness, preload class D	591 N/ μ m
Static axial stiffness, preload class C	411 N/ μ m
Static axial stiffness, preload class B	295 N/ μ m
Static axial stiffness, preload class A	218 N/ μ m
Attainable speed for oil-air lubrication	9000 r/min
Reference grease quantity G_{ref}	114 cm ³