



Bearing No. 7030 CD/HCP4AH1

K	0.6 mm
a	42.7 mm
d	150 mm
D	225 mm
B	35 mm
Ball - z	22
Size (mm)	225x150x35
Width (mm)	35
Mass bearing	3.44 kg
d_n	178.2 mm
D_1	201.9 mm
d_1	173.1 mm
C_1	9.3 mm
D_1	201.9 mm
d_2	173.1 mm
C_1	9.3 mm
d_1	173.1 mm
d_n	178.2 mm
d_2	173.1 mm
Bearing number	7030 CD/HCP4AH1
Preload class A	180 N/micron
Preload class D	498 N/micron
Preload class B	245 N/micron
Preload class C	344 N/micron
G_{ref}	54 cm ³
Number of balls z	22
r_b max.	1 mm
r_a max.	2 mm
D_b max.	220 mm

D_a max.	214 mm
d_b min.	161 mm
d_a min.	161 mm
Bore Diameter (mm)	225
Outer Diameter (mm)	150
d_b - min.	161 mm
r_b - max.	1 mm
$r_{1,2}$ min.	2.1 mm
d_a - min.	161 mm
Calculation factor f	1.16
r_a - max.	2 mm
$r_{3,4}$ min.	1 mm
D_a - max.	214 mm
Ball - D_w	23.812 mm
D_b - max.	220 mm
Calculation factor - f	1.16
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2.1 mm
Ball diameter D_w	23.812 mm
Basic dynamic load rating C	172 kN
Preload class D G_D	5200 N
Preload class A G_A	650 N
Preload class C G_C	2600 N
Preload class B G_B	1300 N
Basic dynamic load rating - C	172 kN
Preload class A - G_A	650 N
Preload class B - G_B	1300 N
Preload class C - G_C	2600 N
Preload class D - G_D	5200 N
Fatigue load limit P_u	5.85 kN

Calculation factor f_1	1
Calculation factor f_0	15.8
Calculation factor f_{2D}	1.09
Calculation factor - f	1
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.02
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Limiting speed for oil lubrication	11000 mm/min
Fatigue load limit - P_u	5.8 kN
Calculation factor - f_0	15.8
Calculation factor - f_{2D}	1.09
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Limiting speed for grease lubrication	7000 r/min
Basic static load rating C_0	190 kN
Static axial stiffness, preload class B	245 N/ μ m
Static axial stiffness, preload class C	344 N/ μ m
Static axial stiffness, preload class A	180 N/ μ m
Static axial stiffness, preload class D	498 N/ μ m
Attainable speed for grease lubrication	7000 r/min
Attainable speed for oil-air lubrication	11000 r/min

Basic static load rating - C_0	190 kN
Reference grease quantity G_{ref}	54 cm ³