



**Bearing No. 7026 CD/HCP4A**

D	200 mm
d	130 mm
B	33 mm
a	38.7 mm
Ball - z	21
Size (mm)	200x130x33
Width (mm)	33
Mass bearing	2.67 kg
d <sub>n</sub>	156.4 mm
d <sub>n</sub>	156.4 mm
D <sub>1</sub>	178.4 mm
d <sub>1</sub>	151.6 mm
d <sub>2</sub>	151.6 mm
D <sub>1</sub>	178.4 mm
d <sub>2</sub>	151.6 mm
d <sub>1</sub>	151.6 mm
Bearing number	7026 CD/HCP4A
Preload class A	161 N/micron
G <sub>ref</sub>	42 cm <sup>3</sup>
Preload class C	307 N/micron
Preload class D	444 N/micron
Preload class B	219 N/micron
Number of balls z	21
r <sub>b</sub> max.	1 mm
r <sub>a</sub> max.	2 mm
D <sub>b</sub> max.	195 mm
D <sub>a</sub> max.	191 mm
d <sub>a</sub> min.	139 mm
Bore Diameter (mm)	200

$d_b$ min.	139 mm
Outer Diameter (mm)	130
$d_a$ - min.	139 mm
$r_a$ - max.	2 mm
$r_{1,2}$ min.	2 mm
Calculation factor f	1.15
$D_b$ - max.	195 mm
$r_{3,4}$ min.	1 mm
$D_a$ - max.	191 mm
Ball - $D_w$	22.225 mm
$r_b$ - max.	1 mm
$d_b$ - min.	139 mm
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Calculation factor - f	1.15
Basic dynamic load rating C	148 kN
Ball diameter $D_w$	22.225 mm
Preload class C $G_C$	2240 N
Preload class D $G_D$	4480 N
Preload class B $G_B$	1120 N
Preload class A $G_A$	560 N
Basic dynamic load rating - C	148 kN
Preload class D - $G_D$	4480 N
Preload class C - $G_C$	2240 N
Preload class B - $G_B$	1120 N
Preload class A - $G_A$	560 N
Calculation factor $f_1$	1
Calculation factor $f_0$	15.6
Fatigue load limit $P_u$	5.2 kN
Calculation factor $f_{HC}$	1.02

Calculation factor $f_{2D}$	1.09
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2A}$	1
Calculation factor - $f$	1
Fatigue load limit - $P_u$	5.2 kN
Limiting speed for oil lubrication	13000 mm/min
Calculation factor - $f_0$	15.6
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{HC}$	1.02
Calculation factor - $f_{2C}$	1.05
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2D}$	1.09
Limiting speed for grease lubrication	8000 r/min
Basic static load rating $C_0$	156 kN
Static axial stiffness, preload class D	444 N/ $\mu$ m
Static axial stiffness, preload class B	219 N/ $\mu$ m
Static axial stiffness, preload class A	161 N/ $\mu$ m
Attainable speed for grease lubrication	8000 r/min
Static axial stiffness, preload class C	307 N/ $\mu$ m
Basic static load rating - $C_0$	156 kN
Attainable speed for oil-air lubrication	13000 r/min
Reference grease quantity $G_{ref}$	42 cm <sup>3</sup>

