



Bearing No. 7028 CD/P4AL

b	3.1 mm
d	140 mm
a	40.1 mm
B	33 mm
D	210 mm
Ball - z	22
Size (mm)	210x140x33
Width (mm)	33
Mass bearing	3.42 kg
d <sub>2</sub>	161.6 mm
D <sub>1</sub>	188.4 mm
d <sub>n</sub>	166.3 mm
C <sub>1</sub>	17.9 mm
C <sub>2</sub>	6.6 mm
C <sub>3</sub>	5.6 mm
C <sub>2</sub>	6.6 mm
C <sub>1</sub>	17.9 mm
d <sub>n</sub>	166.3 mm
D <sub>1</sub>	188.4 mm
d <sub>2</sub>	161.6 mm
d <sub>1</sub>	161.6 mm
d <sub>1</sub>	161.6 mm
C <sub>3</sub>	5.6 mm
Bearing number	7028 CD/P4AL
Preload class B	206 N/micron
G <sub>ref</sub>	45 cm3
Preload class C	289 N/micron
Preload class D	418 N/micron
Preload class A	151 N/micron

Number of balls z	22
$d_a$ min.	149 mm
$D_a$ max.	201 mm
$d_b$ min.	149 mm
$D_b$ max.	205 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Bore Diameter (mm)	210
Outer Diameter (mm)	140
$r_{1,2}$ min.	2 mm
$d_a$ - min.	149 mm
$d_b$ - min.	149 mm
$D_a$ - max.	201 mm
Calculation factor f	1.16
$r_b$ - max.	1 mm
$r_{3,4}$ min.	1 mm
$D_b$ - max.	205 mm
Ball - $D_w$	22.225 mm
$r_a$ - max.	2 mm
Calculation factor - f	1.16
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Ball diameter $D_w$	22.225 mm
Basic dynamic load rating C	153 kN
Preload class B $G_B$	1140 N
Preload class A $G_A$	570 N
Preload class D $G_D$	4560 N
Preload class C $G_C$	2280 N
Basic dynamic load rating - C	153 kN
Preload class B - $G_B$	1140 N

Preload class C - $G_C$	2280 N
Preload class D - $G_D$	4560 N
Preload class A - $G_A$	570 N
Calculation factor $f_1$	1
Calculation factor $f_0$	15.8
Fatigue load limit $P_u$	5.3 kN
Calculation factor $f_{HC}$	1
Calculation factor $f_{2D}$	1.09
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2A}$	1
Calculation factor - $f$	1
Calculation factor $f_{2C}$	1.05
Fatigue load limit - $P_u$	5.3 kN
Limiting speed for oil lubrication	10000 mm/min
Calculation factor - $f_0$	15.8
Calculation factor - $f_{HC}$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2D}$	1.09
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2C}$	1.05
Limiting speed for grease lubrication	6700 r/min
Basic static load rating $C_0$	166 kN
Static axial stiffness, preload class B	206 N/ $\mu$ m
Static axial stiffness, preload class A	151 N/ $\mu$ m
Static axial stiffness, preload class C	289 N/ $\mu$ m
Static axial stiffness,	418 N/ $\mu$ m

preload class D	
Attainable speed for grease lubrication	6700 r/min
Basic static load rating - $C_0$	166 kN
Attainable speed for oil-air lubrication	10000 r/min
Reference grease quantity $G_{ref}$	45 cm <sup>3</sup>