



Bearing No. 71934 CD/P4AH1

Size	230x170x28 mm
Bore Diameter	230 mm
Outer Diameter	170 mm
Width	28 mm
d	170 mm
D	230 mm
B	28 mm
d <sub>1</sub>	188.5 mm
d <sub>2</sub>	188.5 mm
D <sub>1</sub>	211.5 mm
K	0.6 mm
C <sub>1</sub>	7.32 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
a	40.9 mm
d <sub>a</sub> - min.	179 mm
d <sub>b</sub> - min.	179 mm
D <sub>a</sub> - max.	221 mm
D <sub>b</sub> - max.	225 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	193.5 mm
Basic dynamic load rating - C	133 kN
Basic static load rating - C <sub>0</sub>	166 kN
Fatigue load limit - P <sub>u</sub>	5.1 kN
Limiting speed for grease lubrication	5600 r/min
Limiting speed for oil	8500 mm/min

Lubrication	
Ball - $D_w$	19.05 mm
Ball - z	29
$G_{ref}$	36 cm <sup>3</sup>
Calculation factor - $f_0$	16.5
Preload class A - $G_A$	500 N
Preload class B - $G_B$	1000 N
Preload class C - $G_C$	2000 N
Preload class D - $G_D$	4000 N
Calculation factor - f	1.3
Calculation factor - f	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.04
Calculation factor - $f_{2C}$	1.09
Calculation factor - $f_{2D}$	1.15
Calculation factor - $f_{HC}$	1
Preload class A	171 N/micron
Preload class B	236 N/micron
Preload class C	334 N/micron
Preload class D	493 N/micron
$d_1$	188.5 mm
$d_2$	188.5 mm
$D_1$	211.5 mm
$C_1$	7.32 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	179 mm
$d_b$ min.	179 mm
$D_a$ max.	221 mm
$D_b$ max.	225 mm

$r_a$ max.	2 mm
$r_b$ max.	1 mm
$d_n$	193.5 mm
Basic dynamic load rating C	133 kN
Basic static load rating $C_0$	166 kN
Fatigue load limit $P_u$	5.1 kN
Attainable speed for grease lubrication	5600 r/min
Attainable speed for oil-air lubrication	8500 r/min
Ball diameter $D_w$	19.05 mm
Number of balls z	29
Reference grease quantity $G_{ref}$	36 cm <sup>3</sup>
Preload class A $G_A$	500 N
Static axial stiffness, preload class A	171 N/ $\mu$ m
Preload class B $G_B$	1000 N
Static axial stiffness, preload class B	236 N/ $\mu$ m
Preload class C $G_C$	2000 N
Static axial stiffness, preload class C	334 N/ $\mu$ m
Preload class D $G_D$	4000 N
Static axial stiffness, preload class D	493 N/ $\mu$ m
Calculation factor f	1.3
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.09
Calculation factor $f_{2D}$	1.15
Calculation factor $f_{HC}$	1

Calculation factor $f_0$	16.5
Mass bearing	2.85 kg