



Bearing No. 7026 ACD/HCP4AH1

K	0.5 mm
a	55.2 mm
d	130 mm
D	200 mm
B	33 mm
Ball - z	21
Size (mm)	200x130x33
Width (mm)	33
Mass bearing	2.67 kg
$d_n$	156.4 mm
$D_1$	178.4 mm
$d_1$	151.6 mm
$C_1$	8.9 mm
$D_1$	178.4 mm
$d_2$	151.6 mm
$C_1$	8.9 mm
$d_1$	151.6 mm
$d_n$	156.4 mm
$d_2$	151.6 mm
Bearing number	7026 ACD/HCP4AH1
Preload class B	511 N/micron
Preload class A	392 N/micron
Preload class D	917 N/micron
$G_{ref}$	42 cm <sup>3</sup>
Preload class C	677 N/micron
Number of balls z	21
Bore Diameter (mm)	200
$r_b$ max.	1 mm
$r_a$ max.	2 mm

$D_b$ max.	195 mm
$D_a$ max.	191 mm
$d_a$ min.	139 mm
$d_b$ min.	139 mm
Outer Diameter (mm)	130
$r_a$ - max.	2 mm
$D_a$ - max.	191 mm
$d_b$ - min.	139 mm
$d_a$ - min.	139 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
Ball - $D_w$	22.225 mm
$r_b$ - max.	1 mm
$D_b$ - max.	195 mm
Calculation factor f	1.15
Calculation factor e	0.68
Calculation factor - f	1.15
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
Calculation factor - e	0.68
Ball diameter $D_w$	22.225 mm
Basic dynamic load rating C	140 kN
Preload class A $G_A$	900 N
Preload class B $G_B$	1800 N
Preload class C $G_C$	3600 N
Basic dynamic load rating - C	140 kN
Preload class D $G_D$	7200 N
Preload class B - $G_B$	1800 N
Preload class A - $G_A$	900 N
Preload class D - $G_D$	7200 N

Preload class C - $G_C$	3600 N
Fatigue load limit $P_u$	4.9 kN
Calculation factor $f_1$	0.99
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2D}$	1.08
Calculation factor $f_{HC}$	1.02
Calculation factor - $Y_1$	0.92
Calculation factor - $Y_2$	1.41
Calculation factor - $Y_0$	0.76
Calculation factor - $X_2$	0.67
Calculation factor - $f_1$	0.99
Limiting speed for oil lubrication	12000 mm/min
Fatigue load limit - $P_u$	4.9 kN
Calculation factor - $f_{2D}$	1.08
Calculation factor - $f_{HC}$	1.02
Calculation factor - $f_{2C}$	1.05
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2A}$	1
Limiting speed for grease lubrication	7500 r/min
Basic static load rating $C_0$	150 kN
Static axial stiffness, preload class A	392 N/ $\mu$ m
Static axial stiffness, preload class D	917 N/ $\mu$ m
Static axial stiffness, preload class C	677 N/ $\mu$ m
Static axial stiffness,	511 N/ $\mu$ m

preload class B	
Attainable speed for grease lubrication	7500 r/min
Basic static load rating - $C_0$	150 kN
Attainable speed for oil-air lubrication	12000 r/min
Reference grease quantity $G_{ref}$	42 cm <sup>3</sup>
Calculation factor (single, tandem) $Y_2$	0.87
Calculation factor (single, tandem) $Y_0$	0.38
Calculation factor (single, tandem) $X_2$	0.41
Calculation factor (back-to-back, face-to-face) $Y_1$	0.92
Calculation factor (back-to-back, face-to-face) $Y_2$	1.41
Calculation factor (back-to-back, face-to-face) $Y_0$	0.76
Calculation factor (back-to-back, face-to-face) $X_2$	0.67