



	10	14	20	25	32	40	50	65	80	100
A $\phi$	38 $-0.016$	50 $-0.016$	70 $-0.019$	85 $-0.22$	110 $-0.022$	135 $-0.025$	170 $-0.025$	215 $-0.029$	265 $-0.029$	330 $-0.036$
B	15 $\pm 0.25$	21.2 $\pm 0.25$	31.3 $\pm 0.3$	40.3 $\pm 0.3$	52.3 $\pm 0.3$	63.3 $\pm 0.3$	80.3 $\pm 0.3$	100.3 $\pm 0.3$	119.3 $\pm 0.3$	153.5 $\pm 0.5$
C	7	8	14	16	20	25	30	40	50	60
D	2	2	3	3	3	4	4	5	6	6
E	2.4	2.7	5.4	6.5	8.6	9.5	13.0	16.3	14.6	18
F	1.5	1.5	2	2	2	3	3	4	5	6
G $\phi$	6 $+0.010$	11 $+0.011$	16 $+0.011$	20 $+0.013$	26 $+0.013$	32 $+0.016$	40 $+0.016$	52 $+0.019$	65 $+0.019$	80 $+0.019$
H $\phi$	15	23	31.6	39.5	52	64	79	103	126	158
I $\phi$	26.2	37.4	52.3	65	84.6	104.6	131	169.4	209.3	261
J $\phi$	28 $-0.016$	38 $-0.016$	54 $-0.019$	67 $-0.019$	90 $-0.022$	110 $-0.022$	135 $-0.025$	177 $-0.025$	218 $-0.029$	272 $-0.032$
K $\phi$	10	14	21	26	26	32	32	48	55	65
L	16	18	27 $-1$	32 $-1$	32 $-1$	40 $-1$	40 $-1$	52 $-1$	65 $-1$	70 $-1$
M	6	6	6	6	6	6	6	6	12	12
N $\phi$	2.4	3.4	4.5	5.5	6.6	9	14	14	11	14
O $\phi$	11	17	24	30	40	50	60	80	104	130
P	---	---	3 $\pm 0.0125$	4 $\pm 0.0150$	5 $\pm 0.0150$	5 $\pm 0.0150$	6 $\pm 0.0150$	8 $\pm 0.0180$	8 $\pm 0.0180$	8 $\pm 0.0180$
Q	---	---	10.4	12.8	16.3	16.3	21.8	27.3	31.3	31.3
R $\phi$	5 $+0.013$	6 $+0.013$	9 $+0.015$	11 $+0.018$	14 $+0.018$	14 $+0.018$	19 $+0.021$	24 $+0.021$	28 $+0.021$	28 $+0.021$
S	6	6	6	6	6	6	6	6	8	8
T $\phi$	2.9	3.5	3.5	4.5	5.5	6.6	9	11	11	14
U $\phi$	33	44	60	75	100	120	150	195	240	290
V	.13	.13	.3	.3	.3	.3	.3	.3	.3	.3
W	---	---	.4	.4	.4	.4	.4	.4	.4	.4
X	.25	.25	.4	.4	.4	.4	.4	.4	.4	.4
Y	27 $\pm 0.3$	33.6 $\pm 0.4$	51.5 $\pm 0.5$	63.5 $\pm 0.5$	77.5 $\pm 0.6$	95.5 $\pm 0.6$	116.4 $\pm 0.7$	146.3 $\pm 0.7$	177.3 $\pm 0.7$	220.2 $\pm 0.7$
aa	.040	.040	.044	.047	.050	.063	.066	.070	.090	.110
bb	.020	.028	.028	.036	.044	.050	.060	.070	.080	.090
cc	.010	.011	.031	.033	.035	.045	.047	.049	.064	.080
dd	.020	.020	.025	.036	.036	.048	.048	.048	.054	.060
ee	.040	.040	.044	.047	.050	.063	.066	.070	.090	.110
ff	2	2.66	3	3	3	3	4	6.0	6.0	6.0
gg	11	17	16.66	23.80	34.11	42.85	56.06	58.72	77.77	95.25
hh	1	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27	1.27

- 1 DIMENSIONS DENOTE MAXIMUM EXTENT OF ENCROACHMENT OF ADJOINING STRUCTURE.
- 2 DIMENSIONS ESTABLISH INTERFACE AND INSTALLATION REQUIREMENTS. MAINTAIN AT ASSEMBLY AND UNDER ALL OPERATING LOAD CONDITIONS.
- 3 USE ALLOY STEEL SCREWS TORQUE TO MANUFACTURERS MAXIMUM RECOMMENDED VALUE. USE LOCTITE OR OTHER MEANS TO PREVENT LOOSENING.
4. MAINTAINING STANDARD COMPONENTS IN "AS RECEIVED" SETS IS RECOMMENDED.
5. DRAWING IS FOR DIMENSIONAL REVIEW ONLY. **\*\*DO NOT SCALE\*\***

UNLESS OTHERWISE SPECIFIED		DATE: 09/15/09	CONIC SYSTEMS INC.	
DO NOT SCALE DRAWING		DRAWN BY: M. O.	HARMONIC GEARING & CONTROLS	
* BREAK ALL SHARP EDGES *		CHECK BY: V.G.	11 REBEL LANE, PORT JERVIS, NY 12771	
DIMENSIONS		DATE: 09/16/09	ASM/PART DESCRIPTION: HDC-AAA-BBB-M1-00	
TOL. MM INCHES		APPROVED BY:	HARMONIC GEARING COMPONENT SET	
.XX $\pm$ $\pm 0.030$		DATE:	REPLACES:	
.XXX $\pm$ $\pm 0.010$			ASM/PART:	
.XXX $\pm$ $\pm 0.005$			SIZE: DWG: C	
FRACTIONAL $\pm 1/64$		MATERIAL:	HDC-AAA-BBB-M1-00	
ANGULAR $\pm 1/2^\circ$		FINISH:	REV: A	
THIRD ANGLE PROJECTION				

A	02/16/11	ADDED SIZE 10 & 14	M.O.	
SYM	DATE	CHANGE	CHNG	APPR
REVISIONS				