



NOTE: ALL DIMENSIONS IN MM

	UNIT SIZE					
	14	20	25	32	40	50
Aø	50 ^{-0.15}	70 ^{-0.16}	85 ^{-0.23}	110 ^{-0.25}	135 ^{-0.25}	170 ^{-0.25}
B	10.7 ^{+0.15}	12.7 ^{+0.15}	17.0 ^{+0.25}	21.0 ^{+0.25}	27.0 ^{+0.30}	25.0 ^{+0.30}
Cø	32 ^{+0.51}	47 ^{+0.51}	59 ^{+0.51}	77 ^{+0.51}	95 ^{+0.51}	119 ^{+0.51}
Dø	39.5 ^{+0.51}	54 ^{+0.51}	69.4 ^{+0.51}	92.1 ^{+0.51}	111.1 ^{+0.51}	134.4 ^{+0.51}
D1ø	40.2 ^{+0.51}	54.7 ^{+0.51}	70.2 ^{+0.51}	92.9 ^{+0.51}	111.9 ^{+0.51}	135.2 ^{+0.51}
F	5 ^{+0.1}	6 ^{+0.1}	8 ^{+0.2}	10 ^{+0.2}	13 ^{+0.2}	16 ^{+0.2}
G	-	-	.38 ^{+0.38}	.94 ^{+0.38}	1.8 ^{+0.38}	1.12 ^{+0.38}
H	3.76 ^{+0.38}	.94 ^{+0.38}	-	-	-	-
Jø	6 ^{+0.012}	9 ^{+0.015}	11 ^{+0.018}	14 ^{+0.020}	14 ^{+0.020}	19 ^{+0.020}
K	M3 x 0.5	-	-	-	-	-
L	3.5 ^{+0.38}	-	-	-	-	-
M	-	10.4 ^{+0.10}	12.8 ^{+0.10}	16.3 ^{+0.10}	16.3 ^{+0.10}	21.8 ^{+0.10}
N	-	3 ^{+0.0125}	4 ^{+0.013}	5 ^{+0.013}	5 ^{+0.013}	6 ^{+0.013}
Q	15.0	11.4	12.8	15.6	19.4	23.2
R	M3 x 0.5	M4 x 0.7	M5 x 0.8	M6 x 1.0	M8 x 1.25	M10 x 1.5
S	44	60	75	100	120	150
Tø	18	20	28	36	32	50
Uø	14	-	-	-	-	-
Vø	-	-	-	-	-	135 ^{-0.25}
W	-	-	-	-	-	4.52 ^{+0.1}
X	.81 ^{+0.13}	.81 ^{+0.13}	.81 ^{+0.13}	.81 ^{+0.13}	1.57 ^{+0.13}	1.57 ^{+0.13}
X1	.94 ^{+0.13}	.94 ^{+0.13}	.94 ^{+0.13}	.94 ^{+0.13}	1.70 ^{+0.13}	1.70 ^{+0.13}
øø	0.050	0.07	0.076	0.078	0.088	0.098
bb	0.013	0.013	0.015	0.015	0.018	0.020
cc	0.018	0.018	0.023	0.025	0.025	0.025
dd	0.010	0.010	0.013	0.013	0.013	0.015
ee	0.25	0.25	0.25	0.25	0.25	0.25
KGF	0.09	0.32	0.59	1.04	2.00	3.31
LB	0.2	0.7	1.3	2.3	4.4	7.3

- A. ITEM ① STATIC CIRCULAR SPLINE [MARKED "S"]
- ITEM ② ONLY APPEARS WITH N-HDR & N-HDA
- ITEM ③ DYNAMIC CIRCULAR SPLINE [MARKED "D"]
- ITEM ④ FLEXSPLINE
- ITEM ⑤ WAVE GENERATOR
- ITEM ⑥ WEAR WASHERS
- B. DIMENSIONS MARKED [1] ESTABLISHED INTERFACE AND INSTALLATION REQUIREMENTS AND MUST BE MAINTAINED UNDER ALL OPERATING CONDITIONS.
- C. DIMENSIONS MARKED [2] ARE NECESSARY TO LOCATE WEAR WASHERS, ITEM ⑥ IN CORRECT POSITION.
- D. N-HDF 50 CAN BE LOCATED ON THE OUTSIDE DIAMETER OF THE CIRCULAR SPLINE DIMENSION A OR ON THE PILOT DIAMETER DIMENSION V.
- E. DRAWING IS FOR DIMENSIONAL REVIEW ONLY **DO NOT SCALE**

UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING BREAK ALL SHARP EDGES		DATE: 11/05/09	CONIC SYSTEMS INC. HARMONIC GEARING & CONTROLS 11 REBEL LANE, PORT JERVIS, NY 12771
DRAWING: .X ± .030 .XX ± .010 .XXX ± .005		DATE: 11/05/09	
DIMENSIONS: .X ± .030 .XX ± .010 .XXX ± .005		DATE: 11/05/09	ASM/PART DESCRIPTION: HDF-AAA-BBB-M1-00 HARMONIC GEARING COMPONENT SET
FINISH: 63		DATE: 11/05/09	REPLACES: ASM/PART:
SYM DATE CHANGE CHNG APPR REVISIONS		DATE: 11/05/09	SIZE: DWG: C HDF-AAA-BBB-M1-00