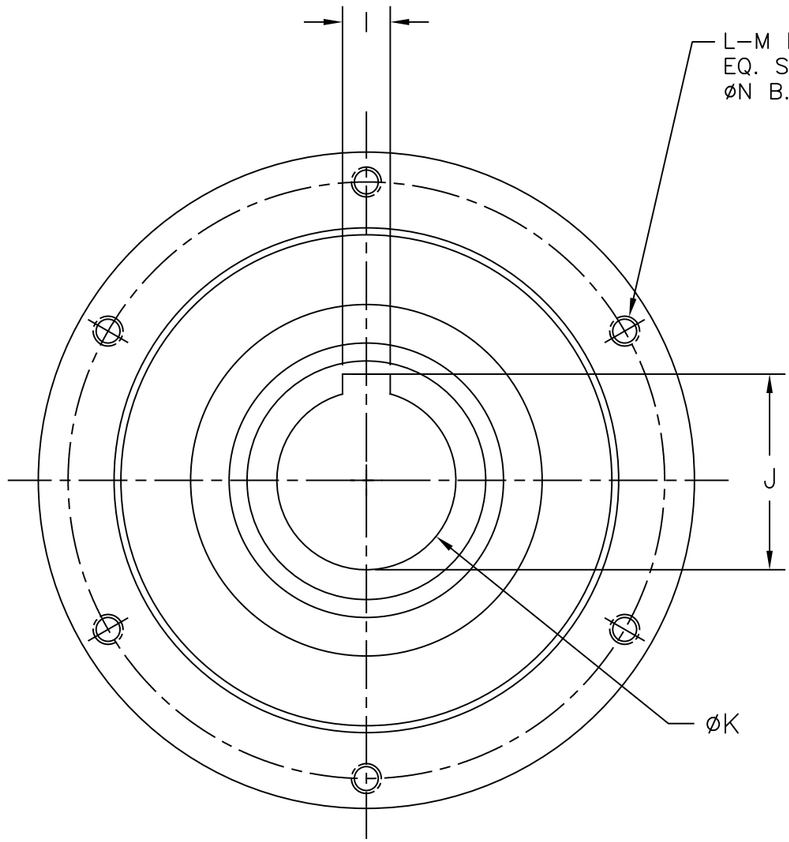

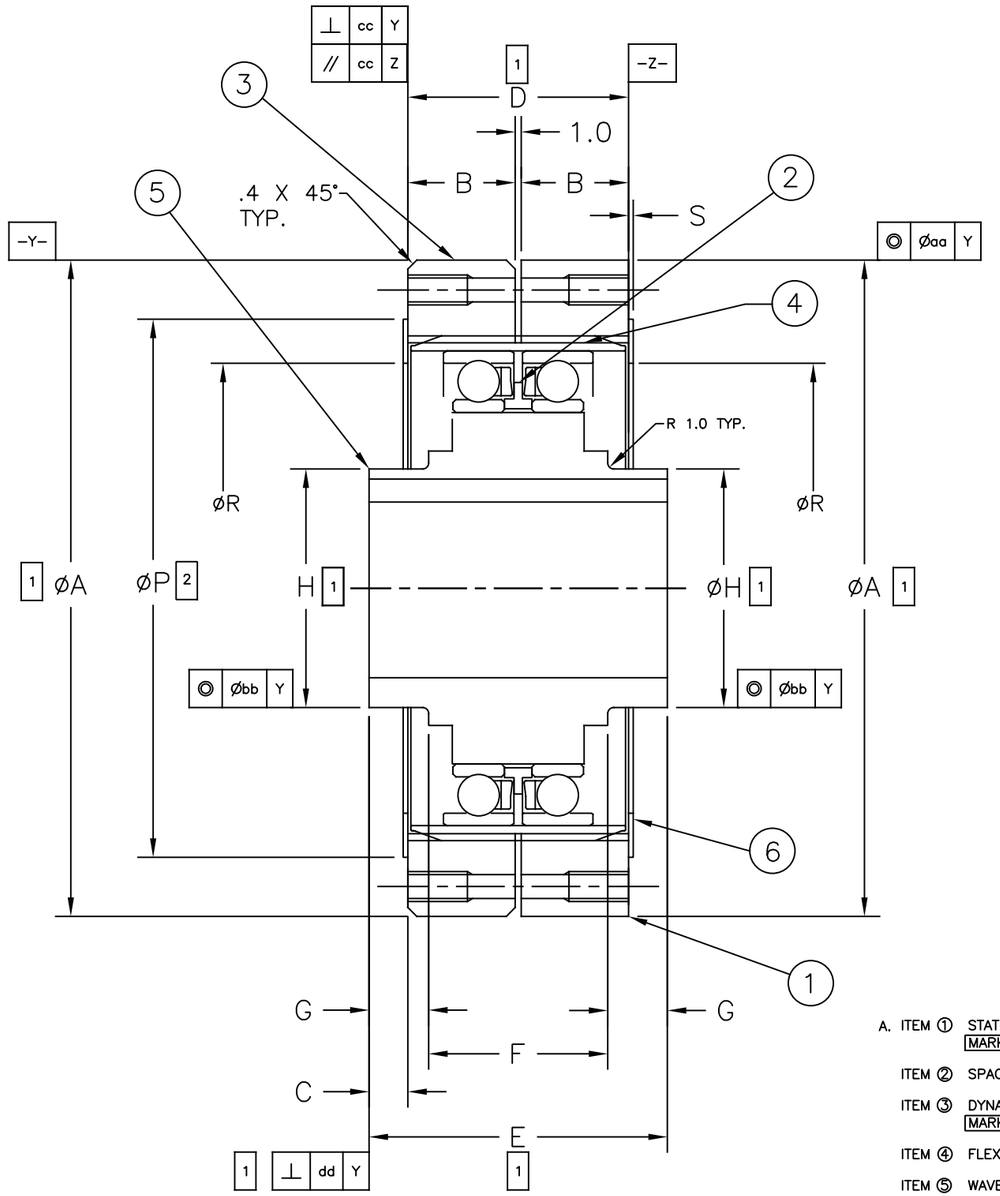

NOTE: ALL DIMENSIONS IN MM

		UNIT SIZE					
		20	25	32	40	50	65
Aø		$70^{-.010}_{-.040}$	$85^{-.012}_{-.047}$	$110^{-.012}_{-.047}$	$135^{-.014}_{-.054}$	$170^{-.014}_{-.054}$	$215^{-.015}_{-.061}$
B		12	14	18	21	26	35
C		6.5	5.5	6.5	12.5	12.5	8
D		25	29	37	43	53	71
E		38	40	50	68	78	87
F		21.5	25	30	44	54	59
G		8.25	7.5	10	12	12	14
Hø		$20^{+.009}_{-.004}$	$30^{+.009}_{-.004}$	$40^{+.011}_{-.005}$	$50^{+.011}_{-.005}$	$60^{+.012}_{-.007}$	$70^{+.012}_{-.007}$
I		$4^{\pm.015}$	$6^{\pm.015}$	$8^{\pm.018}$	$10^{\pm.018}$	$12^{\pm.0215}$	$14^{\pm.0215}$
J		13.8	22.8	33.3	38.3	43.3	53.8
Kø		$12^{+.018}_{-.000}$	$20^{+.021}_{-.000}$	$30^{+.021}_{-.000}$	$35^{+.025}_{-.000}$	$40^{+.025}_{-.000}$	$50^{+.025}_{-.000}$
L		6	6	6	6	6	6
M		M3 X 6 DP	M4 X 8 DP	M5 X 10 DP	M6 X 12 DP	M8 X 16 DP	M10 X 20 DP
Nø		60	75	100	120	150	195
Pø		$54^{\pm.5}$	$69.4^{\pm.5}$	$92^{\pm.5}$	$111^{\pm.5}$	$134.4^{\pm.5}$	$176^{\pm.5}$
Rø		47	59	77	95	119	150
S		.8	.8	.8	1.6	1.6	1.6
aa		.016	.016	.017	.019	.024	.027
bb		.013	.016	.016	.017	.021	.025
cc		.017	.024	.026	.026	.028	.034
dd		.010	.012	.012	.012	.015	.015
WEIGHT	KGF	.6	1.0	2.0	3.6	7.2	14
	LB	1.3	2.2	4.4	7.9	16	31

A. ITEM ① STATIC CIRCULAR SPLINE
MARKED "S"

ITEM ② SPACER

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. DRAWING IS FOR DIMENSIONAL REVIEW ONLY
DO NOT SCALE

SYM	DATE	CHANGE	CHNG	APPR
REVISIONS				

UNLESS OTHERWISE SPECIFIED
DO NOT SCALE DRAWING
* BREAK ALL SHARP EDGES *

	TOL.	MM	INCHES
DIMENSIONS	.X	± —	±.030
MM ☒	.XX	± —	±.010
INCHES ☐	.XXX	± —	±.005
	FRACTIONAL		±1/64
	ANGULAR		±1/2°
FINISH 63√	THIRD ANGLE PROJECTION		

DRAWN BY: M. O'GRADY — DATE: 09/29/09
CHECK BY: V.G. — DATE: 09/30/09
APPROVED BY: — DATE:
MATERIAL:
FINISH:

CONIC SYSTEMS INC.
HARMONIC GEARING & CONTROLS
11 REBEL LANE , PORT JERVIS, NY 12771

ASM/PART DESCRIPTION:
HDA–AAA–BBB–M1–00
HARMONIC GEARING COMPONENT SET

REPLACES: — ASM/PART:

SIZE: C — DWG: HDA–AAA–BBB–M1–00 — REV: