

REV	ZONE	ECN	REVISION DESCRIPTION	DATE	ENG
A	....	....	Released	02/11	PA
B			Added (3) 101027	06/11	PA
C			Added 192040 (1), 192041 (1), 192044 (1) 192042 (1), 836-B-6-6, 192046 (1) 192039 (3) was 192005 (3)	04/12	PA

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	192008	Eccentric Gear	3
2	192036	Carbide Bushing	3
3	192002	Shank - Adjusting Gear	1
4	192016	Washer (Ring Style)	1
5	192040	Pinion Arbor	1
6	192041	Adjusting Sleeve (Pinion)	1
7	192044	Thrust Washer	1
8	192042	Spring Retainer	1
9	836-B-6-6	Screw: BHCS, #8-32 x .375	1
10	192046	Spring: Compression, .845 OD x 3.00	1
11	192047	Spline Brake	1
12	125156	Screw: SHCS, #8-32 x .375	1
14	192004-02	Front Plate	1
15	192003-02	Center Plate	1
16	192hexbolt	Bolt: Hex, 3/8-16 x 1.50, Grade 8	3
17	7681800	Thrust Washer	6
18	7682000	Thrust Bearing	3
19	192frontwasher	Thrust Washer	3
20	192039-02		3
21	W92MP-02	Shaft - Spline 9 TPI	1
22	125017	Pin: Dowel, .125 dia x .313	1
23	834-A-11-32	SCREW: SHCS, #1/4-28 X 2.000"	3

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C. J. WINTER ENGINEERING  
STANDARD E1058 & ASME  
Y14.5M 1994. UNTOLERANCED  
DIMENSIONS ARE BASIC

	.020	A	B	C	SW
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DRAWN BY: P. Allart  
DWG DATE: 02/22/11  
ENG. APPR:  
APPR DATE:  
MATERIAL:  
HEAT TRT:



**C. J. WINTER**  
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Spline Attachment

DWG SIZE SCALE: 1:8  
**B** SHEET 1 OF 3

DRAWING NO.  
**192 ES-02**

6

5

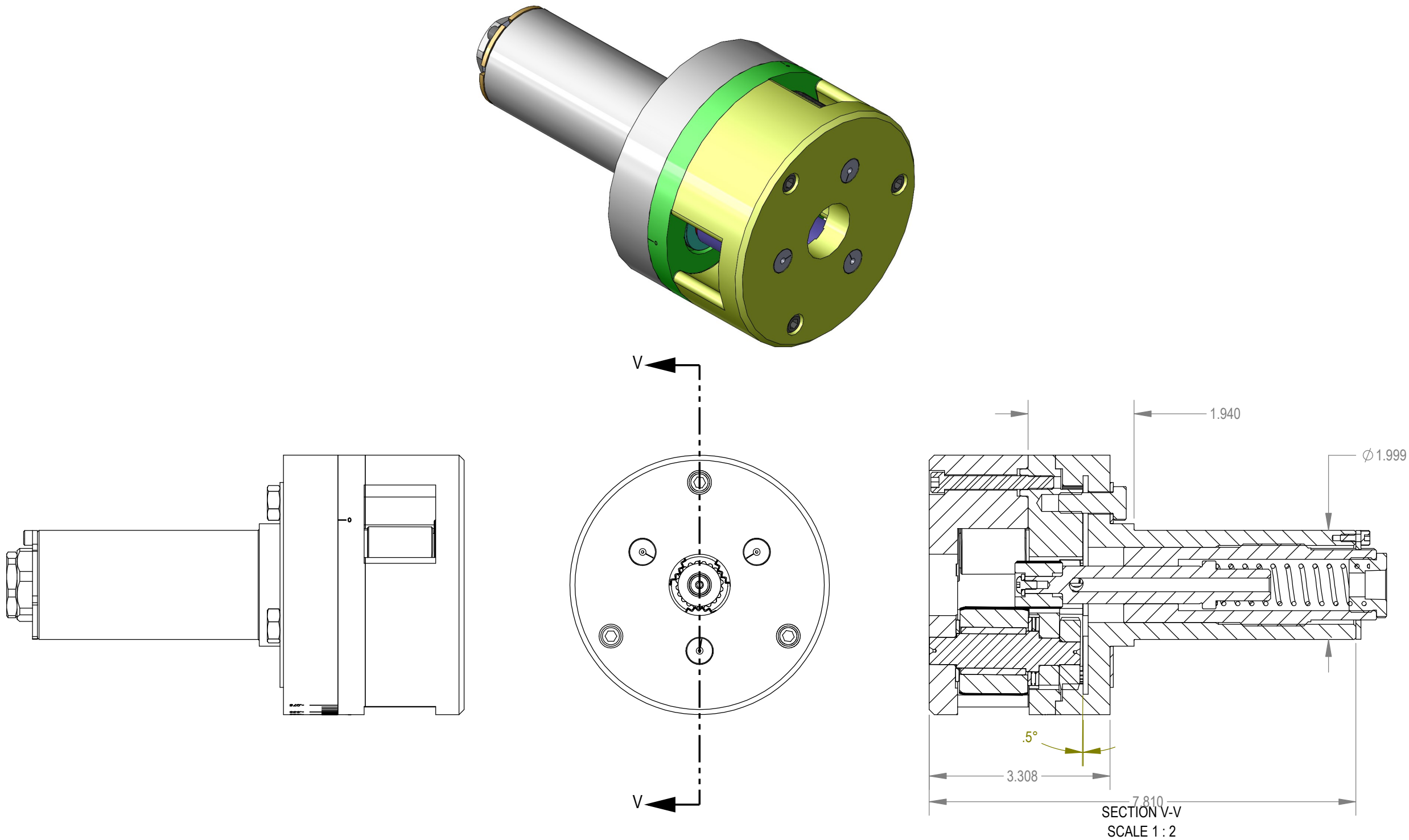
4

3

2

1

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 .020 A B C SW

DRAWN BY: P. Allart  
DWG DATE: 02/23/11  
ENG. APPR: ...  
APPR DATE: ...  
MATERIAL: ...  
HEAT TRT: ...



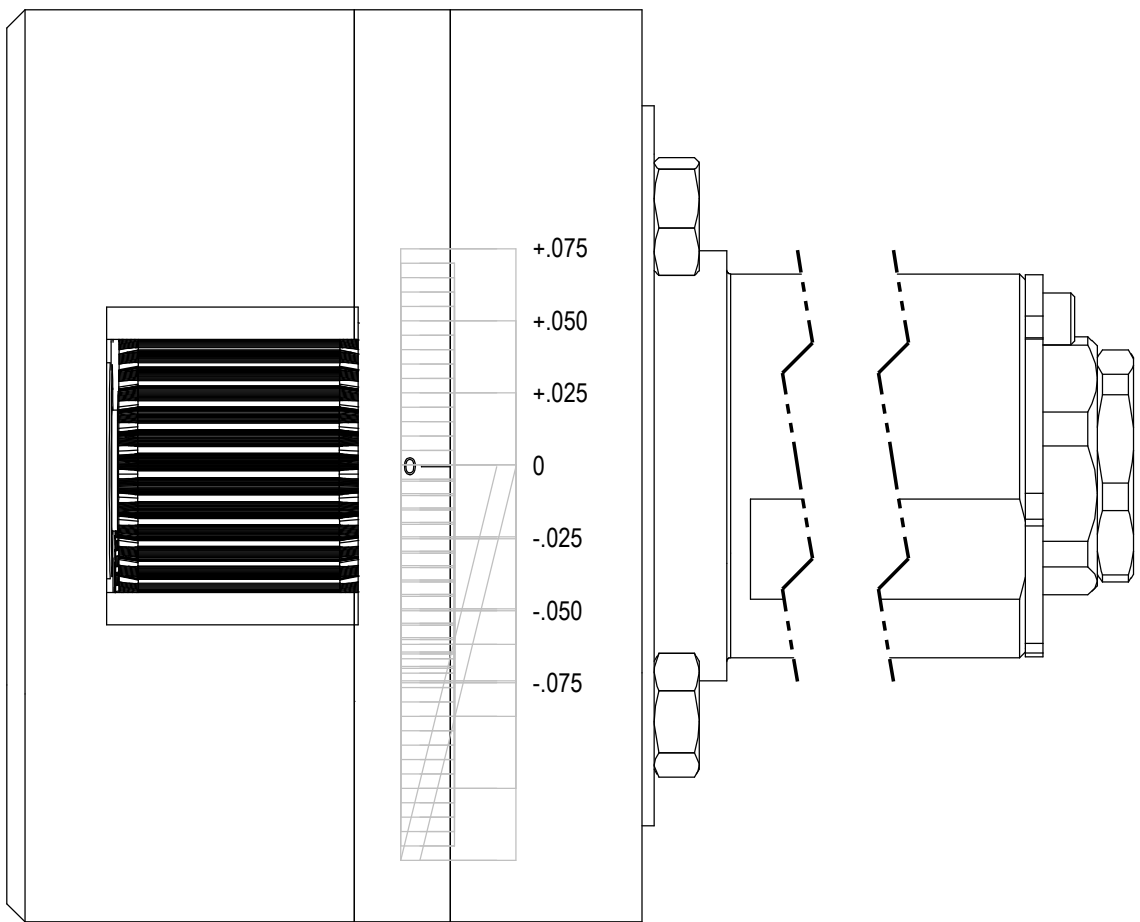
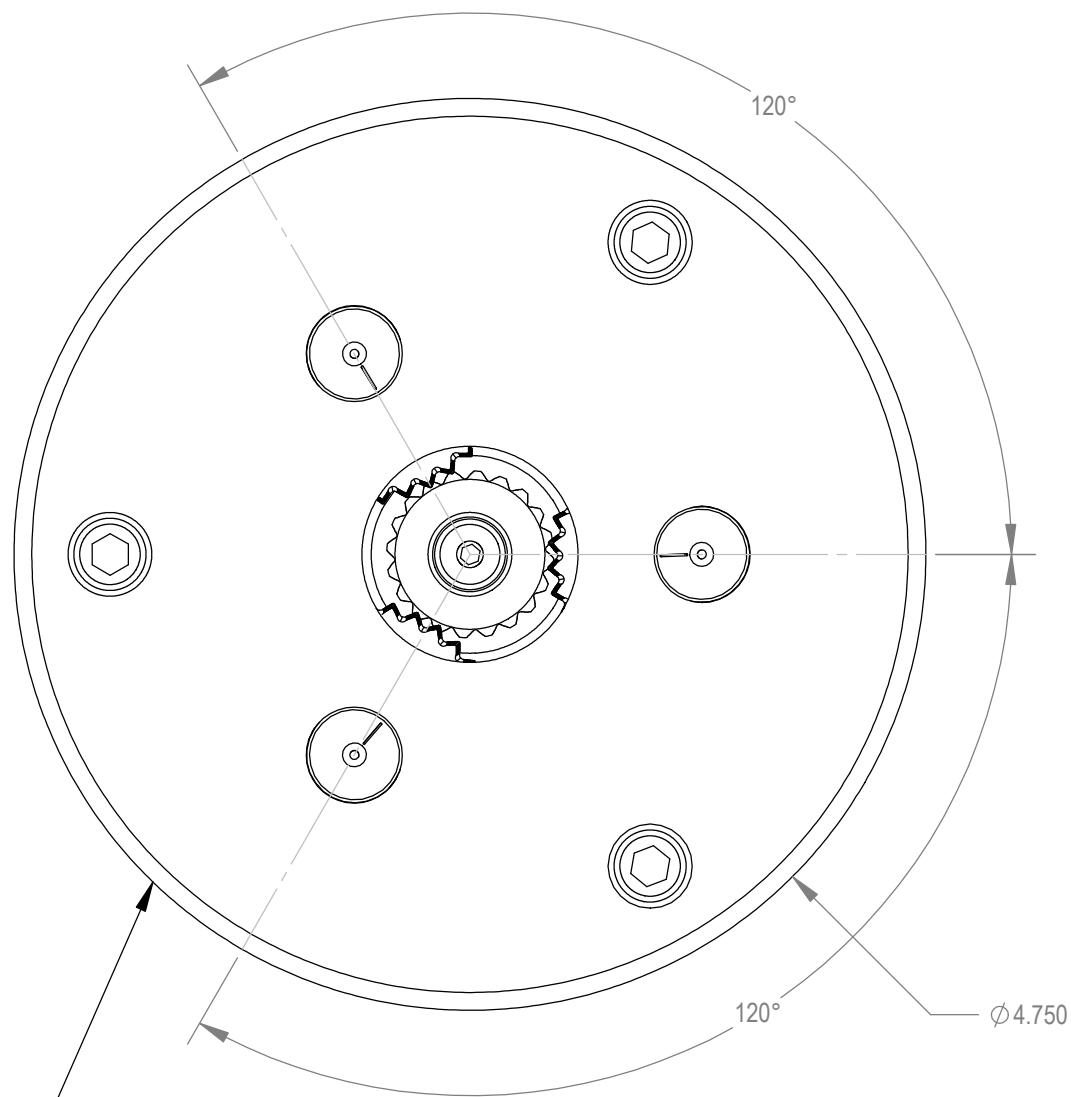
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Spline Attachment

DWG SIZE  
**B**  
SCALE: 1:4  
SHEET 2 OF 3  
DRAWING NO.  
**192 ES-02**

# LaserMarking Detail

REV	ZONE	ECN	REVISION DESCRIPTION	DATE	ENG
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Scale	Chordal position
0.075	1.035
0.070	0.941
0.065	0.850
0.060	0.764
0.055	0.682
0.050	0.604
0.045	0.529
0.040	0.458
0.035	0.390
0.030	0.325
0.025	0.264
0.020	0.205
0.015	0.149
0.010	0.097
0.005	0.047
0.000	0.000
-0.005	-0.047
-0.010	-0.097
-0.015	-0.149
-0.020	-0.205
-0.025	-0.264
-0.030	-0.325
-0.035	-0.390
-0.040	-0.458
-0.045	-0.529
-0.050	-0.604
-0.055	-0.682
-0.060	-0.764
-0.065	-0.850
-0.070	-0.941
-0.075	-1.035

Mark Scale in 3 Places, Every 120°  
Visually Align -0- with roll pin within +/- 10°

PRIOR TO MARKING - SET HEAD TO CENTER OF ADJUSTMENT

- 1) Loosen 3 Hex Bolts Near Shank
- 2) Twist Head Until Fully Closed, Mark Across Both Parts w/ Sharpie
- 3) Twist Head Until Fully Open, Mark Across Both Parts w/ Sharpie
- 4) Adjust Until Mark on Head is Exactly 1/2 way Between Sharpie Marks
- 5) Tighten Hex Bolts

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Spline Attachment

DWG SIZE  
**B**  
SCALE: 1:4  
Sheet 3 of 3  
DRAWING NO.  
**192 ES-02**