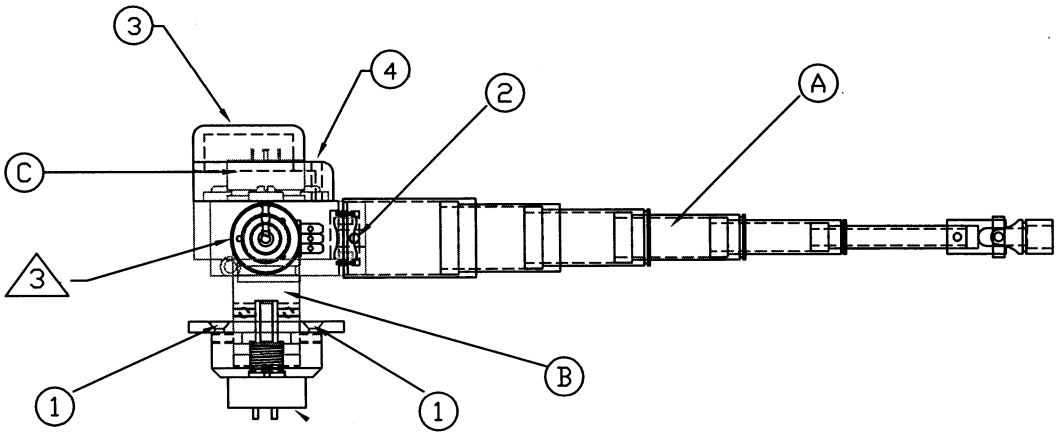
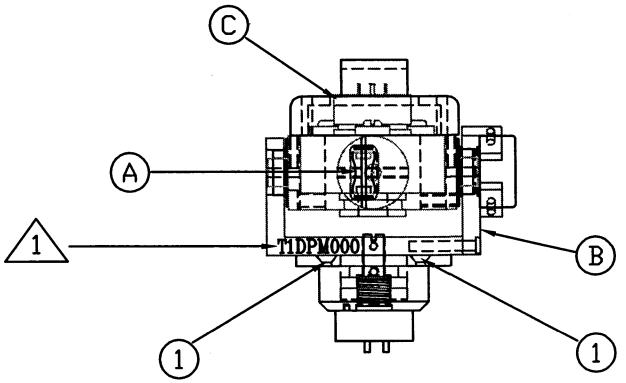
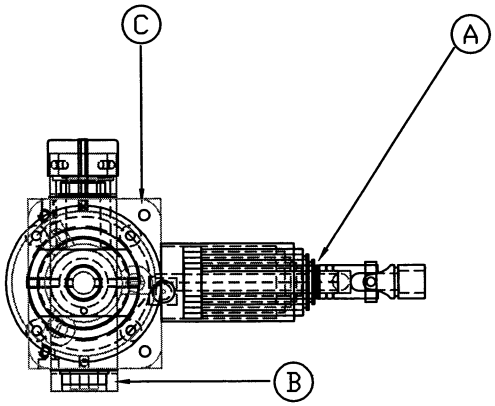
REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	GLOBAL	CLARIFICATION OF NOTE #2, ADDED POT COVER	5/12/99	D. BEACH
2	ITEM 3	CHANGED DWG. # FROM T1DPM315 TO T1DPM010	5/7/01	M. ARTIS
3	GLOBAL	UPDATED WITH T1DPM100 R3	12/6/02	C. SPADE







NOTE:

1. ENGRAVE DWG. # T1MDP000 AT THE LOCATION SPECIFIED ABOVE.
2. SUBASSEMBLIES T1DPM100 (WITHOUT U-JOINT) , T1PDM300, AND ITEM #2 MUST BE SENT TO SPACE AGE CONTROLS PRIOR TO FINAL DGSP ASSEMBLY TO ALLOW THE STRING POT CABLE TO BE PASSED THROUGH THE TELESCOPIC TUBE PRIOR TO CRIMPING THE BALL ON THE STRING POT CABLE.
3. ORIENT POTENTIOMETER TERMINALS INWARDS TOWARD DGSP TUBE AS SHOWN.

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
4	2	MCM # 91251A113	#4-40 X 3/4" S.H.C.S. (ALLOY)	PURCHASED
3	1	T1DPM010	STRING POTENTIOMETER COVER	DELRIN
2	2	MCM # 91255A106	#4-40 X 1/4" B.H.S.C.S. (ALLOY)	PURCHASED
1	4	MCM # 91253A108	#4-40 X 3/8" F.H.S.C.S. (ALLOY)	PURCHASED
C	1	T1DPM300	STRING POTENTIOMETER ASS.	SEE DWG
B	1	T1DPM200	GIMBALLED YOKE ASSEMBLY	SEE DWG
A	1	T1DPM100	TELESCOPE ASSEMBLY	SEE DWG

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL:

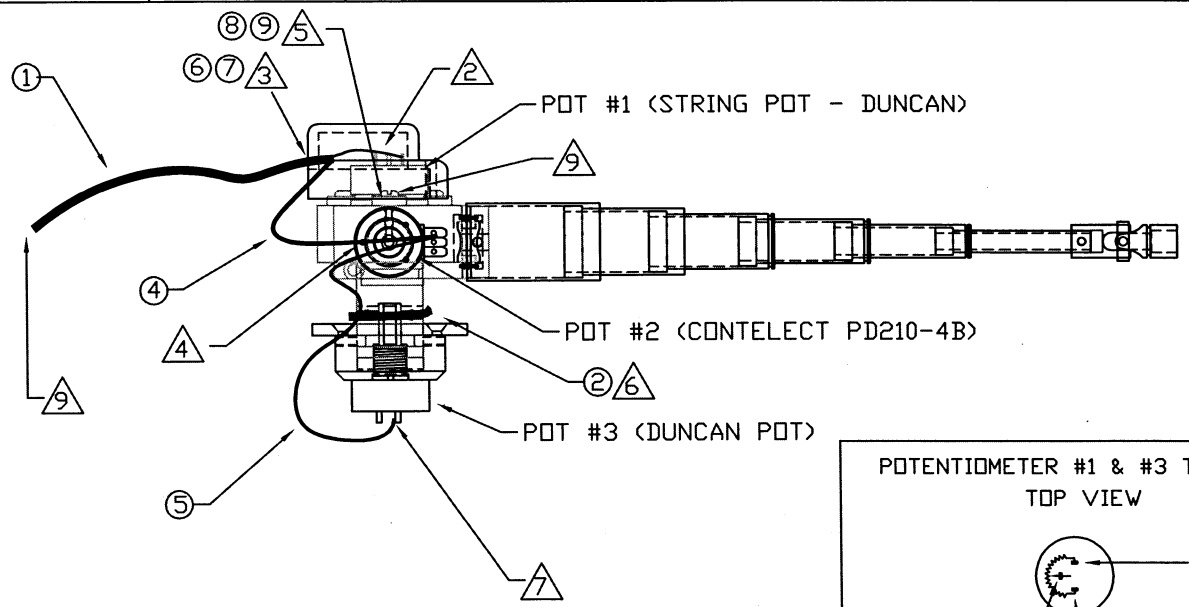
ENGINEERED: J. FULLERTON DATE: 5/10/96
DRAWN: J. FULLERTON DATE: 5/10/96
CHECKED: M. ARTIS DATE: 5/29/97
SCALE 1=1 SIZE C REVISION 3
QUANTITY FOR AN ASSEMBLY 1
QUANTITY FOR ENTIRE DUMMY 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

DRAWING TITLE: DGSP
COMPLETE MECHANICAL ASSEMBLY

DRAWING NUMBER: T1DPM000

Page 1/1

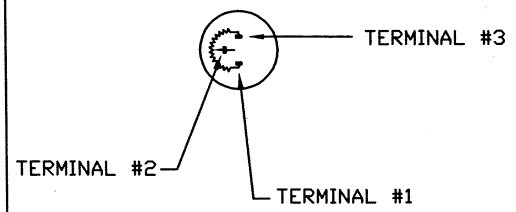


REVISIONS

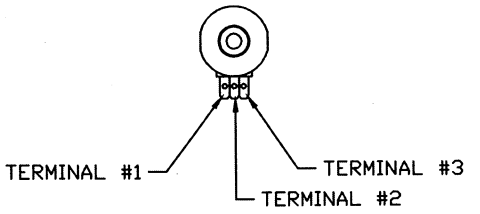
REV. #	ZONE	DESCRIPTION	DATE	BY
1	H-1	CORRECTED WIRE COLOR CODES	12/3/97	D. BEACH
2	GLOBAL	CORRECTED DRAWING REFERENCE, ADDED POT COVER	5/12/99	D. BEACH
3	NOTE 1, 3	CORRECTED NOTES AND HARDWARE LIST	5/25/99	D. BEACH
4	E-4&5	MISTAKES ON TERMINAL NUMBERING FOR POT #1 &#3	6/18/02	P. POPE
5	GLOBAL	UPDATED WITH T1DPM100 R3	12/6/02	C. SPADE
6	5,E	EDIT POTENTIOMETER NUMBERING, EDIT ITEM 5, ADD ITEM 10	3/28/05	P. POPE

POT #	TERMINAL #	WIRE COLOR	FUNCTION
1	1	RED	+ EXCITATION
	2	GREEN	+ SIGNAL
	3	BLACK	GROUND
2	1	ORANGE	+ EXCITATION
	2	BLUE	+ SIGNAL
	3	BLACK STRIPE	GROUND
3	1	RED STRIPE	+ EXCITATION
	2	WHITE	+ SIGNAL
	3	GRAY	GROUND

POTENTIOMETER #1 & #3 TERMINAL LAYOUT
TOP VIEW



POTENTIOMETER #2 TERMINAL LAYOUT
TOP VIEW



NOTES:

1. STRIP 10" OF INSULATION OFF ONE END OF THE 12 CONDUCTOR TENSOLITE WIRE. MAKE A HOLE IN THE MESH SHIELD AT THE BASE OF THE STRIPPED AREA AND PULL THE WIRES OUT OF THE HOLE, CUT OFF THE UNUSED WIRES (BROWN, YELLOW, AND VIOLET).
2. TRIM THE EXPOSED RED, BLACK AND GREEN WIRES TO A LENGTH OF 1.25". PLACE A PIECE OF 3/32" x 1/2" HEATSHRINK TUBING ON EACH OF THESE THREE WIRES AND STRIP THE INSULATION BACK 1/4" FROM THE END OF EACH WIRE. SOLDER THE WIRES TO THE APPROPRIATE TERMINALS ON POT #1 (SEE TABLE AND TERMINAL LAYOUT DIAGRAM ABOVE). SLIDE THE HEATSHRINK TUBING UP OVER THE SOLDERED TERMINAL JOINTS AND SHRINK INTO PLACE WITH A HEAT GUN.
3. PASS THE REMAINING SIX WIRES (FOR POTS #2 AND #3) THROUGH THE PIECE OF 3/32" x 3.50" HEATSHRINK TUBING AND POSITION THE EXPOSED END OF THE INSULATED 12 CONDUCTOR WIRE AND THE SIX WIRE SHRINK TUBE BUNDLE PARALLEL TO EACH OTHER AS SHOWN. SECURE THE TWO WIRE BUNDLES TO THE TOP REAR CORNER OF THE STRING POTENTIOMETER COVER (T1DPM315) USING A 3/16" CABLE CLAMP AND A 4-40 x 3/8" B.H.S.C.S. AS SHOWN.
4. TRIM THE ORANGE, BLACK STRIPE AND BLUE WIRES TO A LENGTH OF 1.25" FROM THE FREE END OF THE SHRINK TUBE BUNDLE. PLACE A PIECE OF 3/32" x 1/2" HEATSHRINK TUBING ON EACH OF THESE THREE WIRES AND STRIP THE INSULATION BACK 1/4" FROM THE END OF EACH WIRE. SOLDER THE WIRES TO THE APPROPRIATE TERMINALS ON POT #2 SEE TABLE AND TERMINAL LAYOUT DIAGRAM ABOVE). SLIDE THE HEATSHRINK TUBING UP OVER THE SOLDERED TERMINAL JOINTS AND SHRINK IN PLACE WITH A HEAT GUN.
5. SECURE THE 3/32" HEATSHRINK TUBE BUNDLE TO THE END OF THE DGSP YOKE - RIGHT ARM WITH A 1/16" WIRE CLAMP AND A #4-40 x 3/16" B.H.S.C.S.
6. PASS THE REMAINING THREE WIRES (FOR POT #3) THROUGH THE PIECE OF 3/32" x 3.00" HEATSHRINK TUBING. SECURE THE 1/16" TUBING WIRE BUNDLE TO THE SIDE OF THE DGSP YOKE - RIGHT ARM USING A 4" ZIP TIE.
7. TRIM THE RED STRIPE, GRAY AND WHITE WIRES TO A LENGTH OF 1.25" FROM THE FREE END OF THE SHRINK TUBE BUNDLE. PLACE A PIECE OF 3/32" x 1/2" HEATSHRINK TUBING ON EACH OF THESE THREE WIRES AND STRIP THE INSULATION BACK 1/4" FROM THE END OF EACH WIRE. SOLDER THE WIRES TO THE APPROPRIATE TERMINALS ON POT #3 (SEE TABLE AND TERMINAL LAYOUT DIAGRAM ABOVE). SLIDE THE HEATSHRINK TUBING UP OVER THE SOLDERED TERMINAL JOINTS AND SHRINK IN PLACE WITH A HEAT GUN.
8. SECURE THE 1/16" HEATSHRINK TUBE BUNDLE DURING THE ASSEMBLY OF THE DGSP UNITS TO THE LOWER ABDOMEN BY CLAMPING IT UNDER THE LOWER ABDOMEN POTENTIOMETER COVER (T1LAM011) IN THE RECESSED GROOVE PROVIDED.
9. CUT THE SHIELD WIRE TO APPROXIMATELY 1.0" AND SOLDER ITEM 10 (RING TERMINAL) TO THE END. FASTEN THE RING TERMINAL TO THE BOTTOM POTENTIOMETER ADJUSTMENT SCREW.

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
10	1	MCM# 7113K815	14-16 WIRE GAUGE, #6 STUD SIZE RING TERMINAL	PURCHASED
9	1	DK # RP322-ND	1/16" CABLE CLAMP	PURCHASED
8	1	MCM # 91255A105	#4-40 x 3/16" B.H.S.C.S. (ALLOY)	PURCHASED
7	1	DK # RP324-ND	3/16" CABLE CLAMP	PURCHASED
6	1	MCM # 91255A146	#6-32 x 3/8" B.H.S.C.S. (ALLOY)	PURCHASED
5	1	DK # CP332	1/16" ø x 3.0" HEATSHRINK TUBING	PURCHASED
4	1	DK # CP332	3/32" ø x 3.5" HEATSHRINK TUBING	PURCHASED
3	9	DK # CP332-R50-ND	3/32" ø x 1/2" HEATSHRINK TUBING	PURCHASED
2	1	MCM # 7130K52	4" NYLON CABLE TIE (0.10" WIDE)	PURCHASED
1	15'	DN # 12CONWIRE	12 CONDUCTOR TENSOLITE WIRE	PURCHASED

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5'
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL:

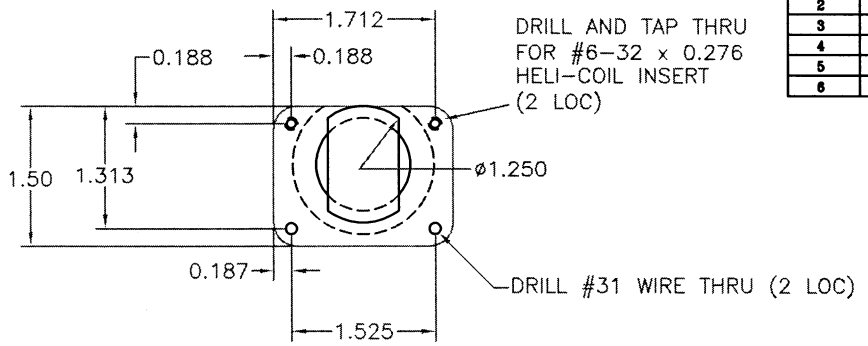
ENGINEERED: D. BEACH DATE: 5/10/96
DRAWN: D. BEACH DATE: 5/10/96
CHECKED: M. ARTIS DATE: 5/29/97
SCALE 1=1 SIZE C REVISION 6
QUANTITY FOR AN ASSEMBLY 1
QUANTITY FOR ENTIRE DUMMY 2

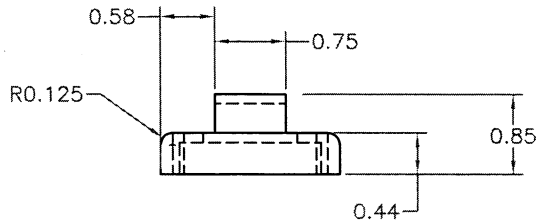
DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

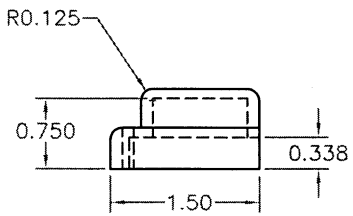
DRAWING TITLE: DGSP
COMPLETE ELECTRICAL ASSEMBLY

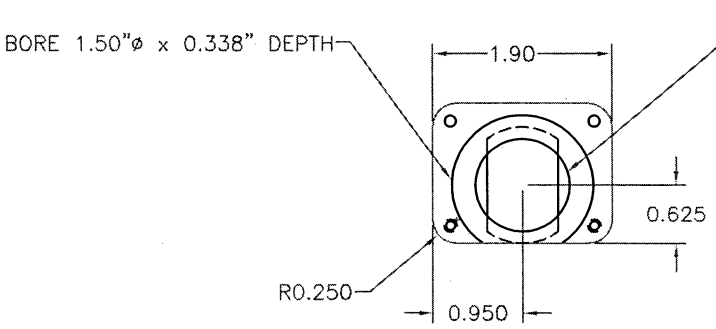
DRAWING NUMBER: T1DPE000
Page 1/1

REVISION				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	GLOBAL	ADDED HOLES FOR WIRE CLAMPS	5/12/98	D. BEACH
2	GLOBAL	INCREASED VERTICAL DIMENSION OF PART	6/19/98	D. BEACH
3	GLOBAL	CHANGED OUTER PROFILE TO AVOID INTERFERENCE	2/11/99	D. BEACH
4	GLOBAL	CORRECTED HIDDEN LINES – TOP AND BOTTOM VIEW	2/19/99	D. BEACH
5	G-5	ADDED HELICOIL INSERT	5/25/99	D. BEACH
6	A-2	CHANGED DWG # FROM T1DPM315 TO T1DPM010	5/7/01	M. ARTIS









ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
	2	MCM# 91732A707	#6-32 x 0.276" HELICOIL INSERT	PURCHASED

ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: DELRIN

ENGINEERED: D. BEACH — DATE: 6/19/98
DRAWN: D. BEACH — DATE: 6/19/98
CHECKED: D. BEACH — DATE: 6/19/98
SCALE: 1=1 — SIZE: C — REVISION: 6
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

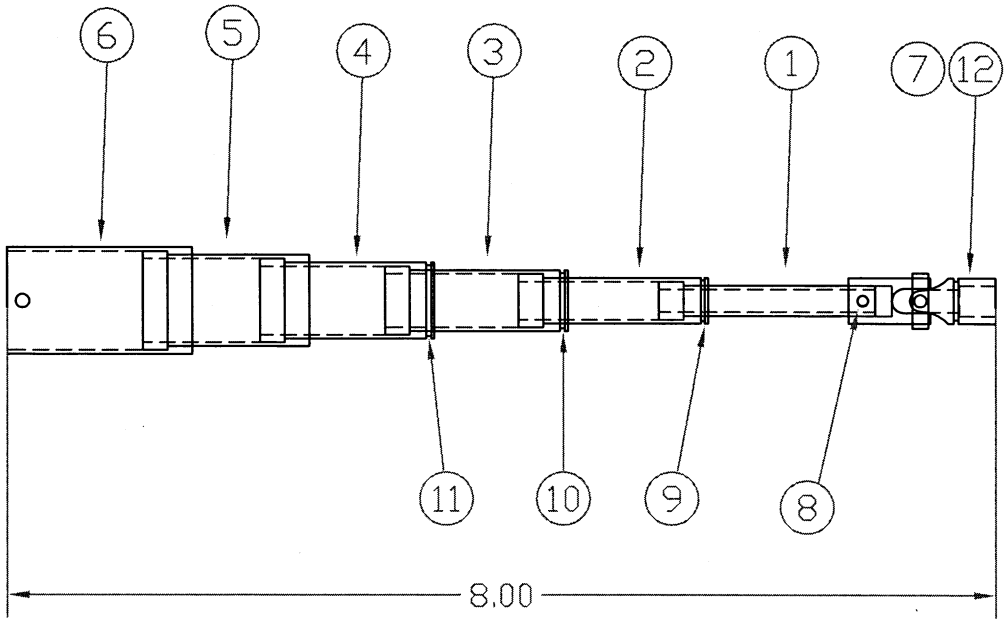
DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

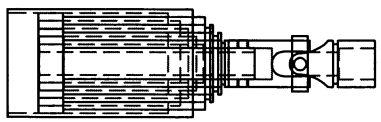
DRAWING TITLE: DGSP – STRING POTENTIOMETER COVER

DRAWING NUMBER: T1DPM010

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	C-4	3/8-32 X 0.10" UNEF NUT DELETED	1/14/99	G Reilly
2	ITEM 9,10,11	WASHER DELETED, C-CLIP SIZES CHANGED	5/12/99	D. BEACH
3	GLOBAL	UPDATED WITH T1DPM111 R2	12/6/02	C. SPADE





ITEM No.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
12	1	MCM #98420A134	#3/8" HEAVY-DUTY E-STYLE RETAINING CLIP	PURCHASED (STEEL)
11	1	MCM #98410A126	EXTERNAL RETAINING CLIP 5/8"	PURCHASED (STEEL)
10	1	MCM #98410A122	EXTERNAL RETAINING CLIP 1/2"	PURCHASED (STEEL)
9	1	MCM #98410A117	EXTERNAL RETAINING CLIP 3/8"	PURCHASED (STEEL)
8	2	MCM #91375A074	#2-56 X 1/8" S.S.S.	PURCHASED (ALLOY STEEL)
7	1	T1DPM116	U-JOINT	304 SS
6	1	T1DPM115	COLUMN #6	304 SS
5	1	T1DPM114	COLUMN #5	304 SS
4	1	T1DPM113	COLUMN #4	304 SS
3	1	T1DPM112	COLUMN #3	304 SS
2	1	T1DPM111	COLUMN #2	304 SS
1	1	T1DPM110	COLUMN #1	304 SS

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: NOTED ABOVE

ENGINEERED: J. FULLERTON — DATE: 5/13/96
DRAWN: J. FULLERTON — DATE: 5/13/96
CHECKED: M. ARTIS — DATE: 5/29/97
SCALE: 1=1 — SIZE: B — REVISION: 3
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
125 ORCHARD DRIVE
BOONSBORO, MD 21713

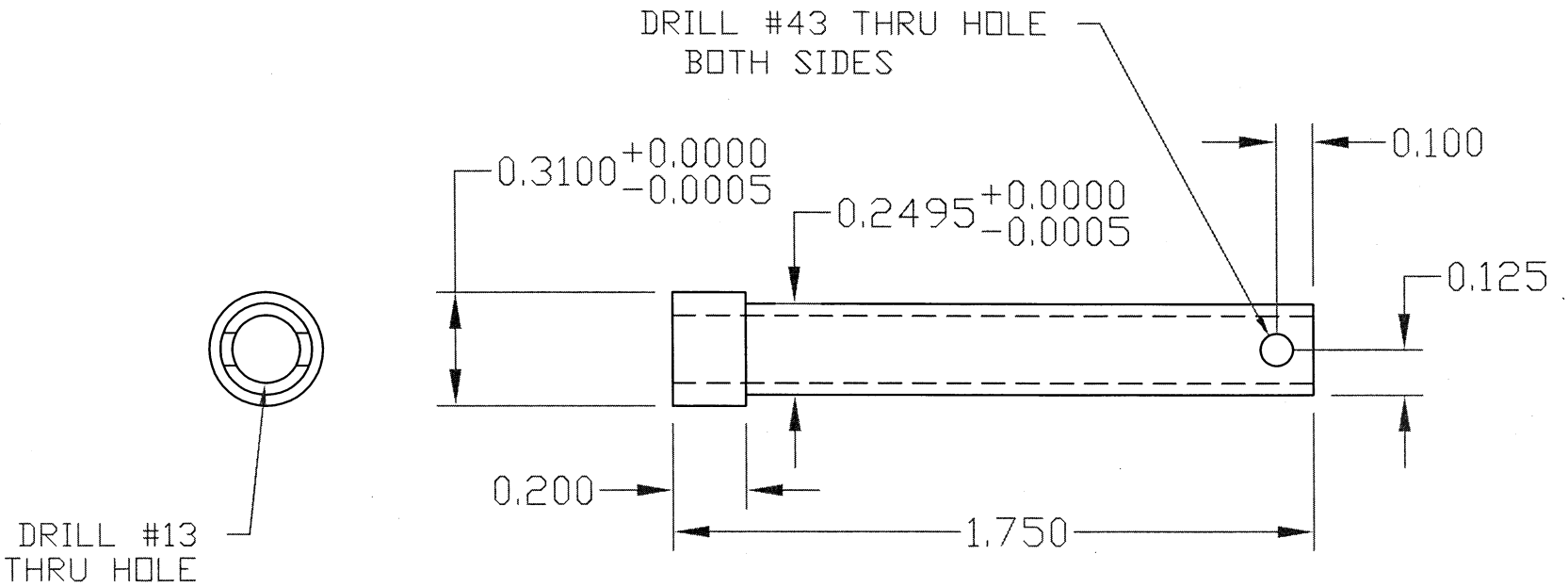
DRAWING TITLE: DGSP
TELESCOPE ASSEMBLY

DRAWING NUMBER: T1DPM100

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY

1 TOLERANCES SPECIFIED FOR A CLASS RC3 PRECISION FIT CLEARANCE WITH DWG/PART # T1DPM111



ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 303 OR 304 SS

ENGINEERED: J. FULLERTON — DATE: 2/8/96
DRAWN: J. FULLERTON — DATE: 2/8/96
CHECKED: M. ARTIS — DATE: 5/29/97
SCALE: 2=1 — SIZE: A — REVISION: N/C
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

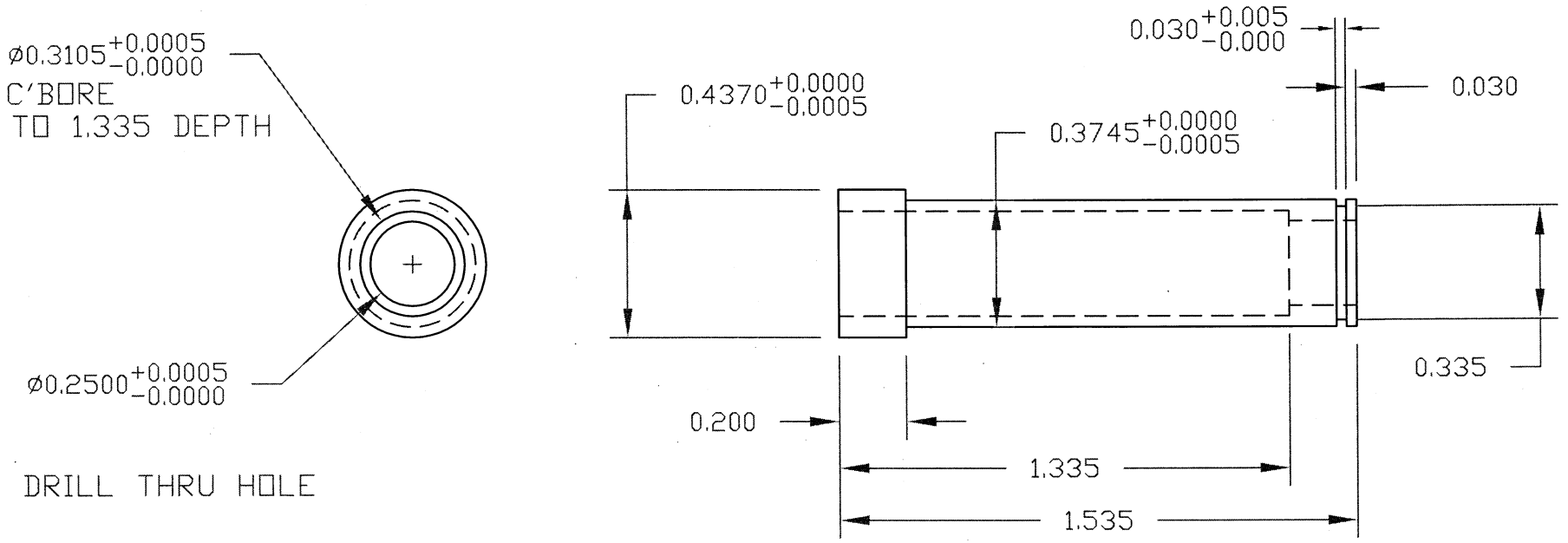
DRAWING TITLE: DGSP
TELESCOPE - COLUMN #1

DRAWING NUMBER: T1DPM110

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	B-2	REMOVED REPETITIVE DIMENSION	6/11/99	J. POLAND
2	D1	INCREASED LENGTH OF GROOVE FROM .025 TO .030	11/14/02	M. ARTIS

1 TOLERANCES SPECIFIED FOR A CLASS RC3 PRECISION FIT CLEARANCE WITH DWG/PART # T1DPM110 AND T1DPM112



ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 303 OR 304 SS

ENGINEERED: J. FULLERTON — DATE: 5/13/96
DRAWN: J. FULLERTON — DATE: 5/13/96
CHECKED: M. ARTIS — DATE: 11/14/02
SCALE: 2=1 — SIZE: A — REVISION: 2
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN * MANUFACTURE * TEST * SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

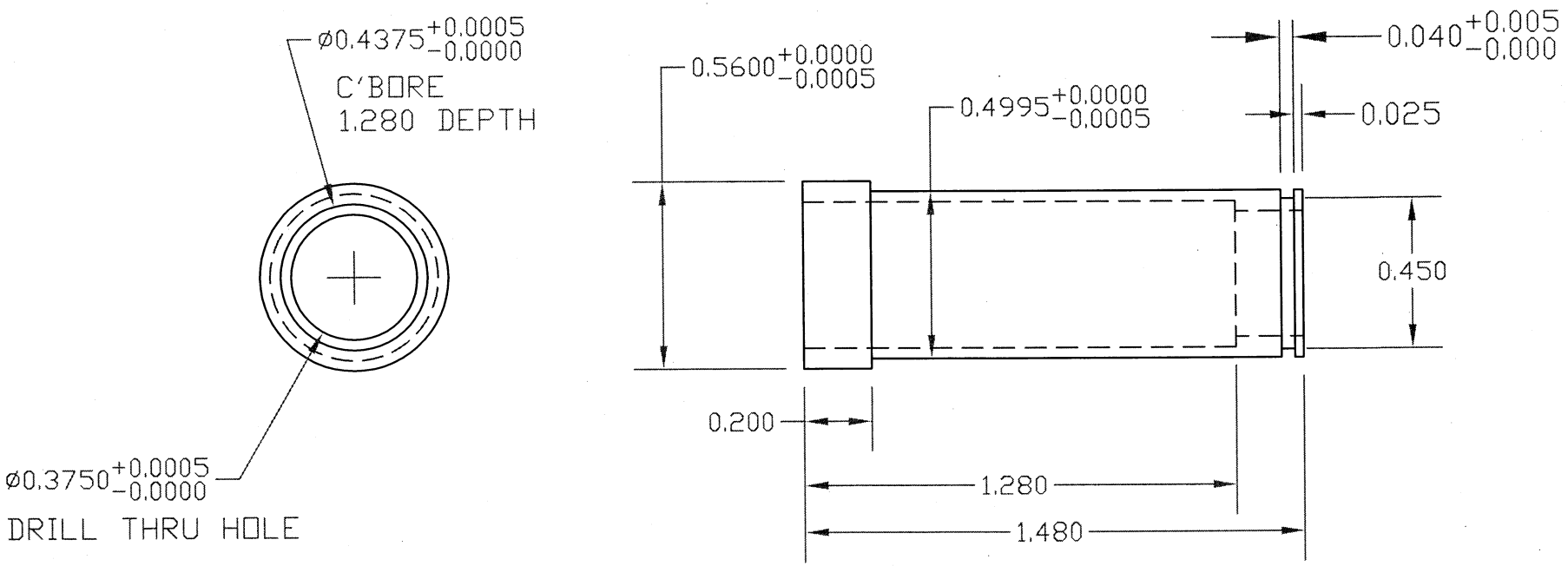
DRAWING TITLE: DGSP
TELESCOPE - COLUMN #2

DRAWING NUMBER: T1DPM111

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	C-1	CORRECTED C-CLIP GROOVE DIMENSIONS	7/2/98	D. BEACH
2	B-2	CORRECTED COLLAR DIMENSIONS	5/12/99	D. BEACH
3	C-4	CHANGED COUNTERBORE TO C'BORE	6/11/99	J. POLAND
4	D1	ADDED TOLERANCE TO THE GROOVE LENGTH	11/14/02	M. ARTIS

1 TOLERANCES SPECIFIED FOR A CLASS RC3 PRECISION FIT CLEARANCE WITH DWG/PART# T1DPM111 AND T1DPM113



ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 303 OR 304 SS

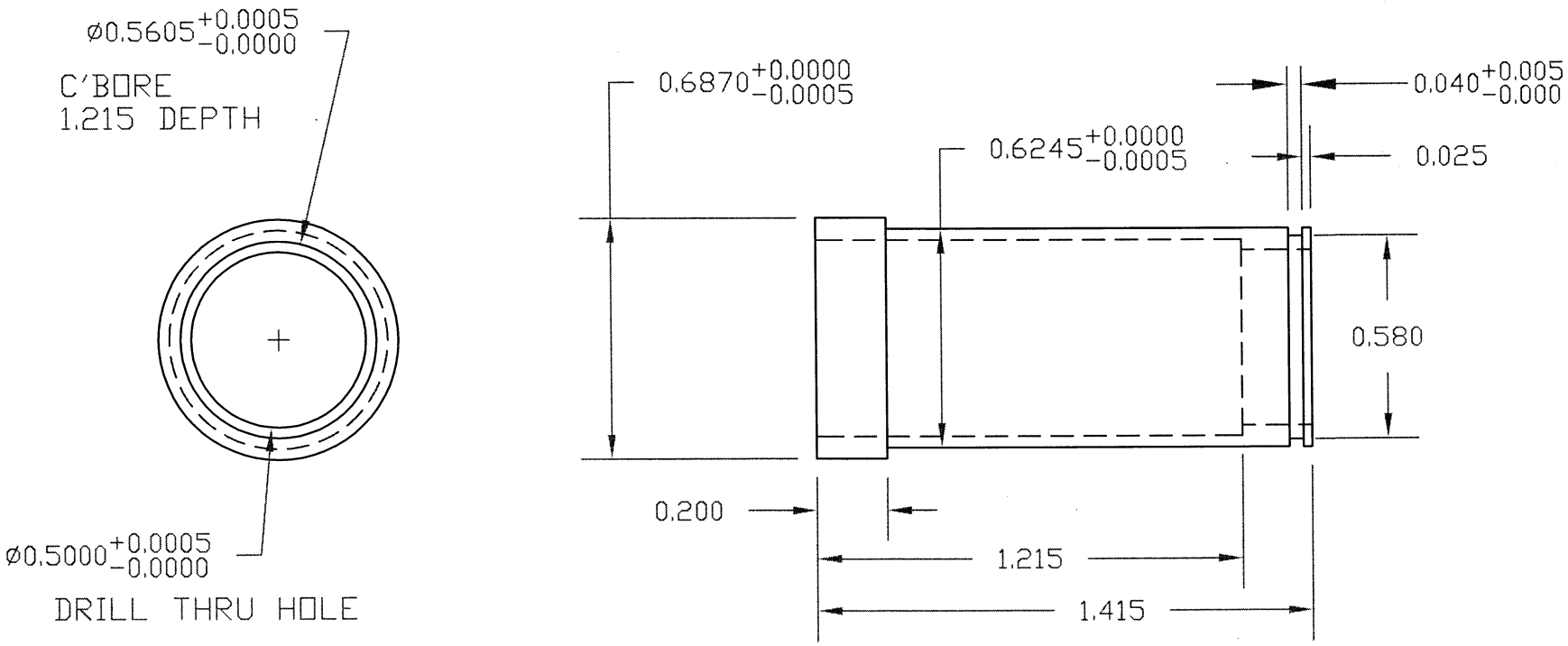
ENGINEERED: J. FULLERTON DATE: 5/13/96
DRAWN: J. FULLERTON DATE: 5/13/96
CHECKED: M. ARTIS DATE: 11/14/02
SCALE: 2=1 SIZE: A REVISION: 4
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN * MANUFACTURE * TEST * SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

DRAWING TITLE: DGSP TELESCOPE - COLUMN #3
DRAWING NUMBER: T1DPM112
Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	C-4	CHANGED COUNTERBORE TO C'BORE	6/11/99	J. POLAND
2	C-1	ADDED TOLERANCE TO THE GROOVE LENGTH	11/14/02	M. ARTIS

1 TOLERANCES SPECIFIED FOR A CLASS RC3 PRECISION FIT CLEARANCE WITH DWG/PART# T1DPM112 AND T1DPM114



ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 303 OR 304 SS

ENGINEERED: J. FULLERTON		DATE: 5/13/96
DRAWN: J. FULLERTON		DATE: 5/13/96
CHECKED: M. ARTIS		DATE: 11/14/02
SCALE 2=1	SIZE A	REVISION 2

QUANTITY FOR AN ASSEMBLY: 1

QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

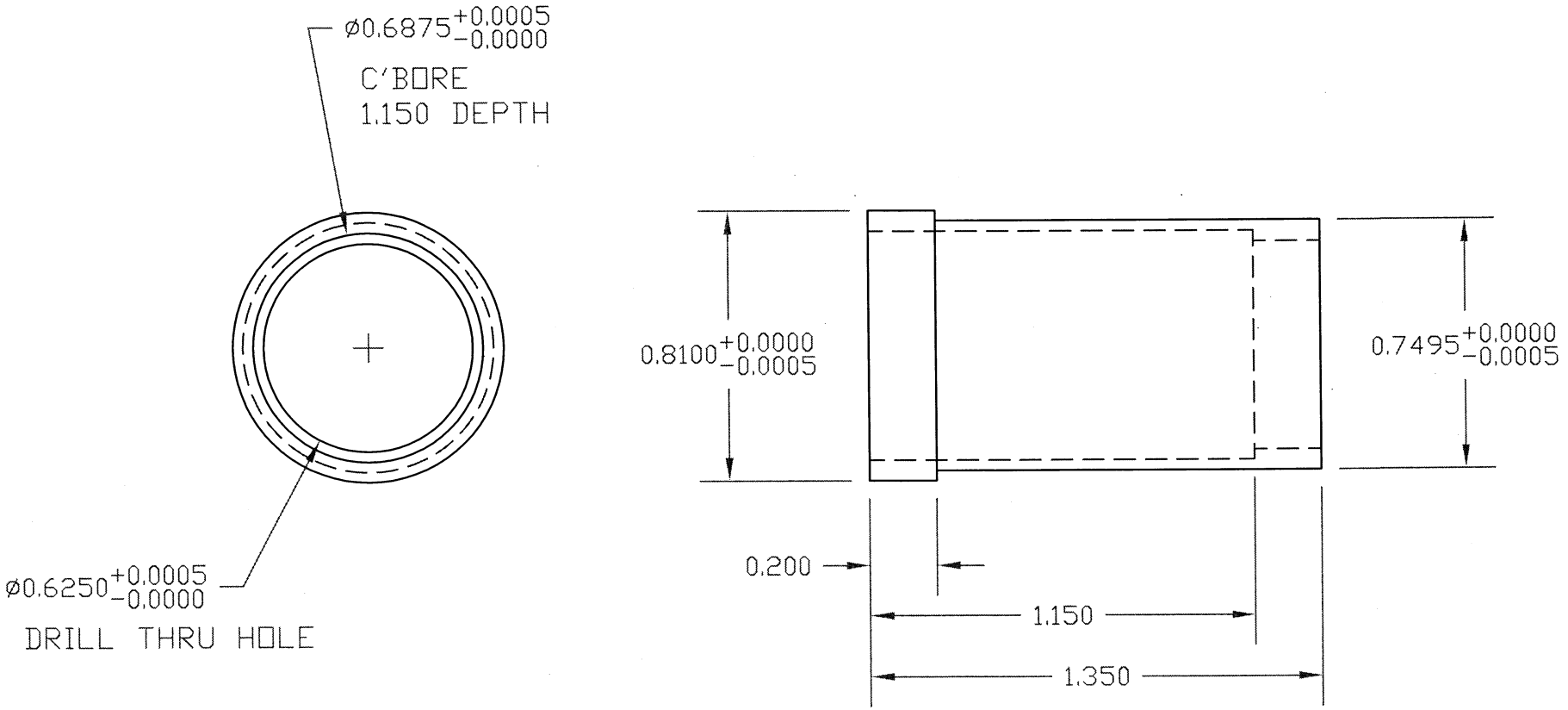
DRAWING TITLE: DGSP TELESCOPE - COLUMN #4

DRAWING NUMBER: T1DPM113

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	D-4	CHANGED COUNTERBORE TO C'BORE	6/11/99	J. POLAND

1 TOLERANCES SPECIFIED FOR A CLASS RC3 PRECISION FIT CLEARANCE WITH DWG/PART# T1DPM113 AND T1DPM115



ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 303 OR 304 SS

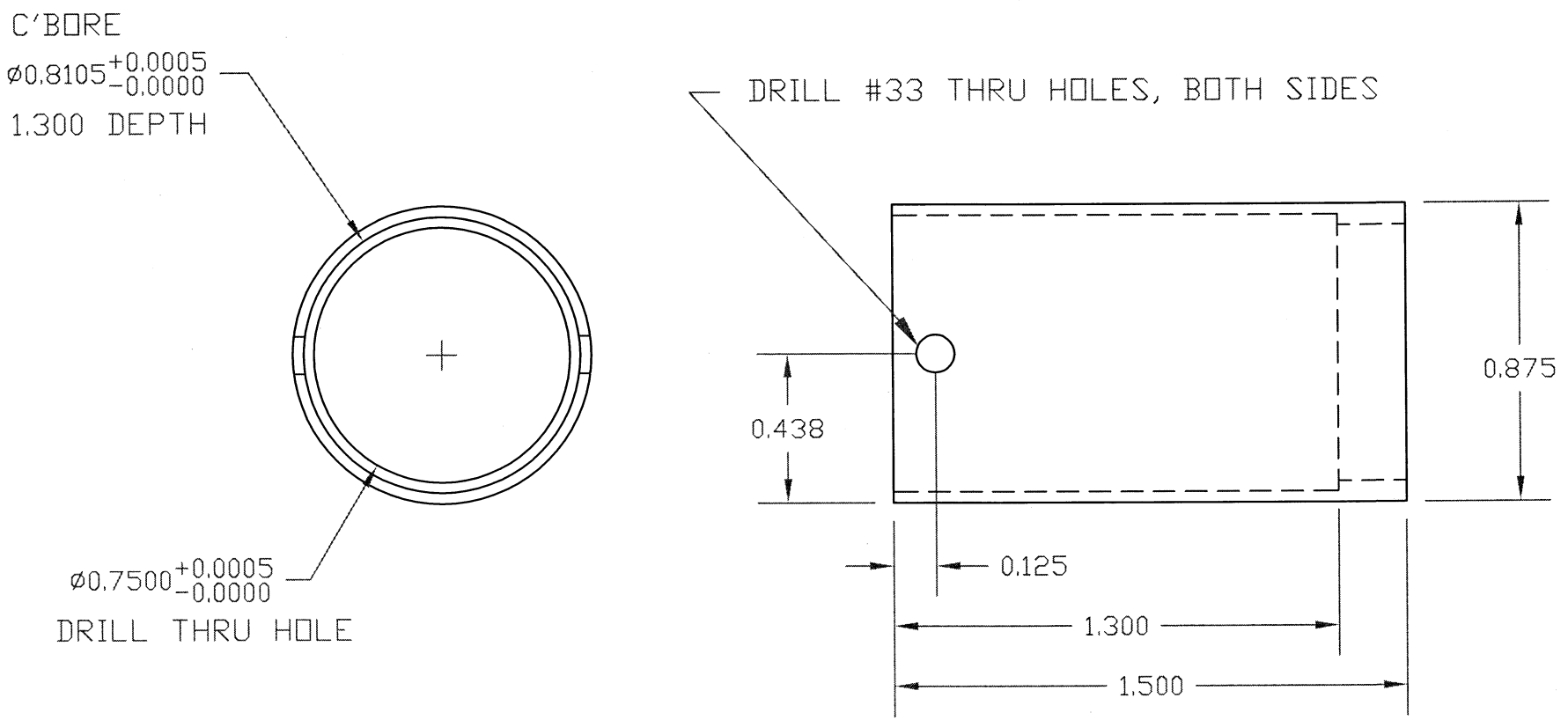
ENGINEERED: J. FULLERTON DATE: 2/8/96
DRAWN: J. FULLERTON DATE: 2/8/96
CHECKED: M. ARTIS DATE: 5/29/97
SCALE: 2=1 SIZE: A REVISION: 1
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN * MANUFACTURE * TEST * SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

DRAWING TITLE: DGSP TELESCOPE - COLUMN #5
DRAWING NUMBER: T1DPM114
Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	C-4	CHANGED COUNTERBORE TO C'BORE	6/11/99	J. POLAND

1 TOLERANCES SPECIFIED FOR A CLASS RC3 PRECISION FIT CLEARANCE WITH DWG/PART # T1DPM114



ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 303 OR 304 SS

ENGINEERED: J. FULLERTON — DATE: 2/8/96
DRAWN: J. FULLERTON — DATE: 2/8/96
CHECKED: M. ARTIS — DATE: 5/29/97
SCALE: 2=1 — SIZE: A — REVISION: 1
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

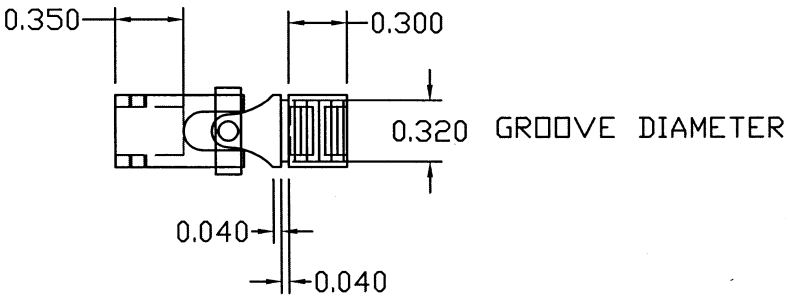
DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

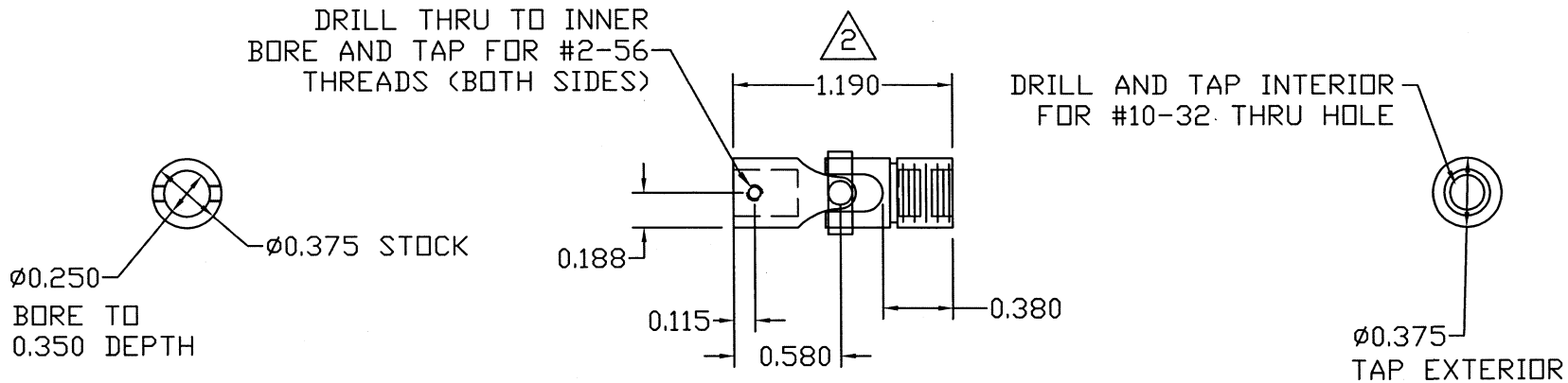
DRAWING TITLE: DGSP
TELESCOPE - COLUMN #6

DRAWING NUMBER: T1DPM115

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	C-1	CHANGE THE 10-32 HOLE FROM 0.25" TO THRU HOLE	1/14/99	G. REILLY
2	C-2	ADDED MISSING DIMENSION 0.580	9/17/04	B. SECK





NOTES:

1. PART IS MANUFACTURED FROM BELDEN 3/8" SOLID, UNASSEMBLED U-JOINT (PART # UJ-HD375).

2. U-JOINT ORIGINAL LENGTH IS 1.75". 0.28" OF MATERIAL MUST BE REMOVED FROM EACH END OF THE JOINT.

3. U-JOINT IS ASSEMBLED AFTER MACHINING HAS BEEN COMPLETED.

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
1	1	BEL # UJ-HD-375	SOLID, UNASSEMBLED 3/8" U-JOINT (BELDEN)	PURCHASED

ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

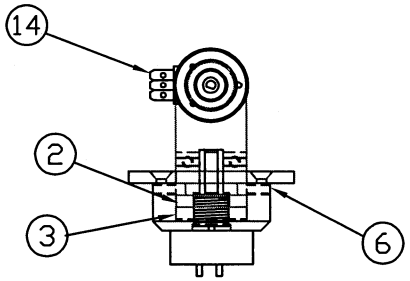
MATERIAL:

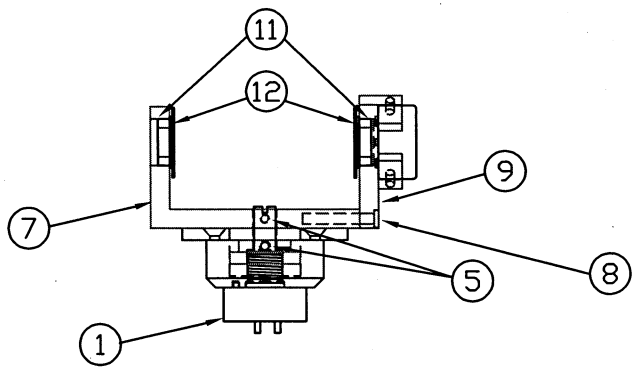
ENGINEERED: J. FULLERTON — DATE: 5/13/96
DRAWN: J. FULLERTON — DATE: 5/13/96
CHECKED: J. FULLERTON — DATE: 5/13/96
SCALE: 1=1 — SIZE: A — REVISION: 2
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

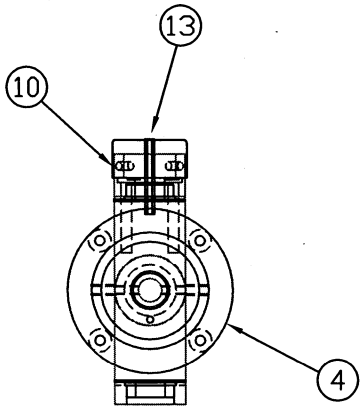
DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
125 ORCHARD DRIVE
BOONSBORO, MD 21713

DRAWING TITLE: DGSP MODIFIED U-JOINT
DRAWING NUMBER: T1DPM116
Page 1/1

REVISION				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	ITEM 14	CHANGED REFERENCE TO ROTARY POT #1	5/12/99	D. BEACH
2	ITEM 5, 10	CORRECTED HARDWARE REFERENCE	5/25/99	D. BEACH







ITEM no.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
14	1	T1INM210	ROTARY POTENTIOMETER #1	PURCHASED
13	1	T1DPM214	DGSP-D-SHAFT	304 SS
12	2	MCM # 95630A219	TEFLON WASHER (OD:3/4" ID:21/64")	PURCHASED
11	2	MCM # 57155K156	S.S. PRECISION BEARING BORE=5/16"	PURCHASED
10	4	MCM #91375A074	#2-56 X 1/8" S.S.S. (ALLOY)	PURCHASED
9	1	T1DPM213	DGSP YOKE RIGHT ARM	6061-T6
8	2	MCM #91251A108	#4-40 X 3/8" S.H.C.S.	PURCHASED
7	1	T1DPM212	DGSP-YOKE LEFT ARM	6061-T6
6	2	MCM # 91732A267	#4-40 X 0.168" HELICAL THREAD INSERT	PURCHASED
5	4	MCM #91375A106	#4-40 X 1/4" S.S.S. (ALLOY)	PURCHASED
4	1	T1DPM211	ROTARY BUSHING	DELRIN
3	1	MCM # 98019A199	ø3/8" WASHER	PURCHASED
2	1	RS # 64-3020	3/8-32 X 0.10" UNEF NUT	PURCHASED
1	1	T1DPM210	YOKE AXIS ROTARY POT.	

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL:

ENGINEERED: J. FULLERTON — DATE: 5/10/96
DRAWN: J. FULLERTON — DATE: 5/10/96
CHECKED: J. FULLERTON — DATE: 5/10/96
SCALE: 1=1 — SIZE: C — REVISION: 2
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN * MANUFACTURE * TEST * SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

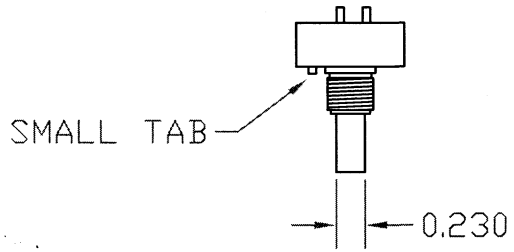
DRAWING TITLE: DGSP
GIMBALLED YOKE MECH. ASSEMBLY

DRAWING NUMBER: T1DPM200

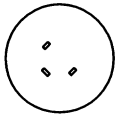
Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	A-3	ADDED PART NUMBER TO HARDWARE LIST	8/1/97	D. BEACH
2	A-3	CHANGED PART NUMBER	8/27/97	D. BEACH
3	A-3	CHANGED PART NUMBER FOR POT	1/14/99	G. KELLY
4	ITEM 1	CHANGED PART NUMBER FOR POT REFERENCE	5/12/99	D. BEACH

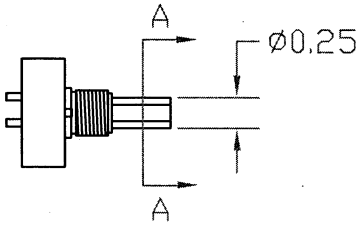
TOP VIEW



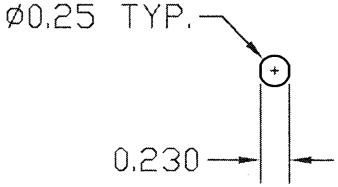
REAR VIEW



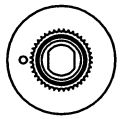
LEFT VIEW



A-A X-SECTION



FRONT VIEW



NOTES:

1. MACHINE TWO SIDES OF THE POTENTIOMETER SHAFT WITH FLATS AS SHOWN. THE FLATS ARE PARALLEL TO EACH OTHER ON OPPOSITE SIDES OF THE SHAFT.

2. THE ORIENTATION OF THE SHAFT FOR THE MACHINING OF THE FLATS IS NOT IMPORTANT.

4

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
-	1	T1INM220	ROTARY POTENTIOMETER #2	PLASTIC

ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL:

ENGINEERED: J. FULLERTON DATE: 5/13/96
DRAWN: J. FULLERTON DATE: 5/13/96
CHECKED: J. FULLERTON DATE: 5/13/96
SCALE 1=1 SIZE B REVISION 4
QUANTITY FOR AN ASSEMBLY 1
QUANTITY FOR ENTIRE DUMMY 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
125 ORCHARD DRIVE
BOONSBORO, MD 21713

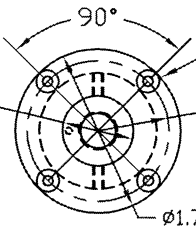
DRAWING TITLE: DGSP - YOKE AXIS ROTARY POTENTIOMETER
DRAWING NUMBER: T1DPM210
Page 1/1

REVISION				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	D-4	CHANGED SIZE AND TOLERANCE OF THRU HOLE	4/28/99	D. BEACH
2	GLOBAL	CHANGED ITEM# 1 IN PARTS LIST, CHANGED PLACES TO LOC	4/28/99	D. BEACH
3	D-1	CHANGED HELICOIL LENGTH FROM .168 TO .224	5/1/01	M. ARTIS

(1) TOLERANCES FOR A FREE RUNNING ROTARY FIT WITH DWG/PART# T1DPM212

$\varnothing 0.750^{+0.002}_{0.000}$ BORE TO .500 DEPTH

TOP VIEW

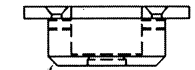


DRILL THRU HOLES AND C'SINK FOR #4-40 FLATHEAD CAP SCREWS ON .75R BOLT CENTERS (4 LOC @ 90°)

R0.750 BOLT PATTERN RADIUS

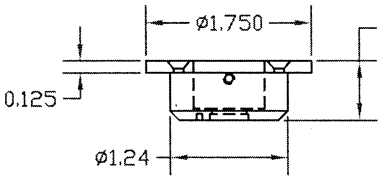
Ø1.750 OUTER FLANGE DIAMETER

LEFT VIEW

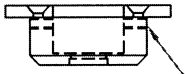


0.1 X 45° CHAMFER

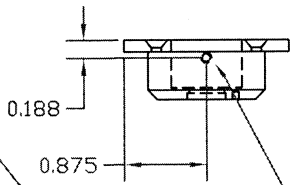
FRONT VIEW



RIGHT VIEW

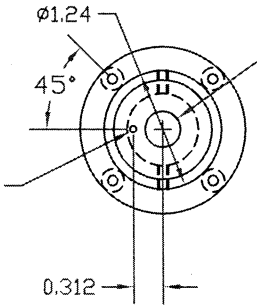


REAR VIEW



DRILL AND TAP THRU FOR #4-40×.224 (1) HELICAL INSERTS (BREAK TABS) (2 LOC)

BOTTOM VIEW



DRILL Ø0.375 THRU HOLE (1 LOC)

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
	2	MCM #91732A701	#4-40 X .224" HELICAL THREAD INSERT	PURCHASED

ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: DELRIN

ENGINEERED: J. FULLERTON — DATE: 5/13/96
DRAWN: J. FULLERTON — DATE: 5/13/96
CHECKED: J. FULLERTON — DATE: 5/13/96

SCALE: 1=1 | SIZE: C | REVISION: 3

QUANTITY FOR AN ASSEMBLY: 1

QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

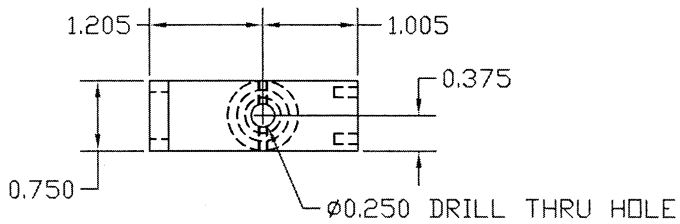
DRAWING TITLE: DGSP-ROTARY BUSHING FOR YOKE

DRAWING NUMBER: T1DPM211

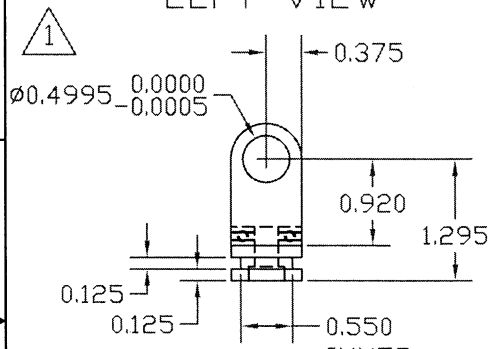
Page 1/1

REVISION				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	C-5/8	CHANGED COUNTERBORE TO CBORE AND PLACES TO LOC	DATE	BY

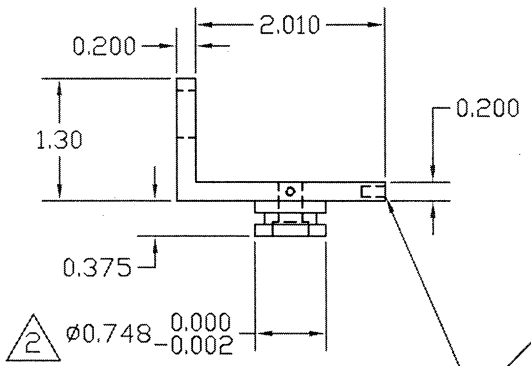
TOP VIEW



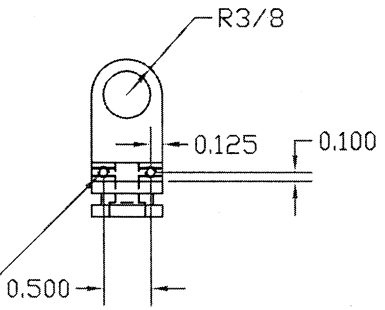
LEFT VIEW



FRONT VIEW

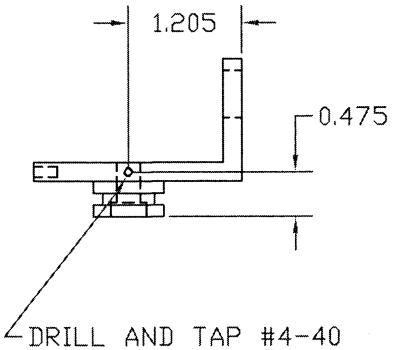


RIGHT VIEW



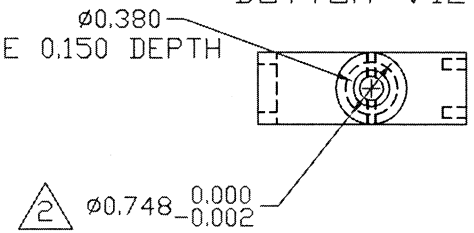
DRILL AND TAP #4-40x0.25"
USEABLE THREADS
(2 LOC)

REAR VIEW



DRILL AND TAP #4-40
THRU TO INNER BORE
(BOTH SIDES)

BOTTOM VIEW



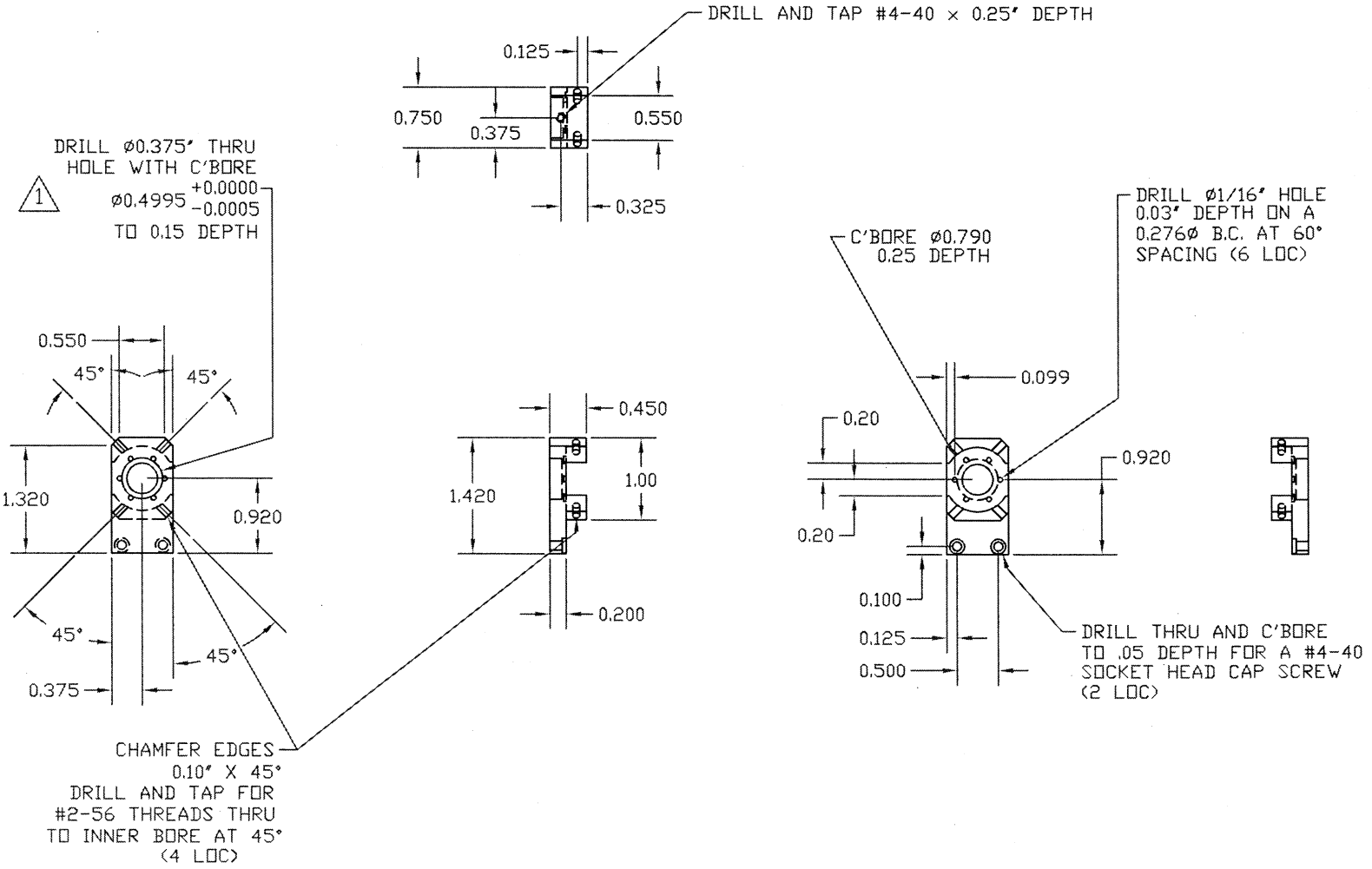
NOTES:

1. TOLERANCE OF HOLE FOR CLASS FN2 PRESS FIT INTERFERENCE WITH RADIAL BEARINGS (MCM # 57155K156)
2. TOLERANCE FOR CYLINDRICAL EXTENSION SPECIFIED FOR A FREE RUNNING ROTARY FIT CLEARANCE WITH DWG/PART# T1DPM211

ITEM no.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES Tolerances Angles: ± .5° Fractions ± 1/64 Decimals: .xx ± .01 .xxx ± .005 Hole Dia. ± .002 * DO NOT SCALE DRAWING *	ENGINEERED: J. FULLERTON	DATE: 5/9/96	DEPARTMENT OF TRANSPORTATION NHTSA CONTRACT NO.: DTNH 22-94-C-07010
	DRAWN: J. FULLERTON	DATE: 5/9/96	DESIGNED BY: GESAC, INC. DESIGN * MANUFACTURE * TEST * SOFTWARE DEVELOPMENT 125 ORCHARD DRIVE BOONSBORO, MD 21713
	CHECKED: J. FULLERTON	DATE: 5/9/96	
FINISH:	SCALE 1=1 / SIZE C / REVISION 1		DRAWING TITLE: DGSP - YOKE LEFT ARM
MATERIAL: 6061 AL	QUANTITY FOR AN ASSEMBLY 1		DRAWING NUMBER: T1DPM212
	QUANTITY FOR ENTIRE DUMMY 2		Page 1/1

REVISION				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	GLOBAL	UPDATED DESIGN FOR LEFT AND RIGHT DGSP UNITS	5/12/99	D. BEACH
2	GLOBAL	CHANGED COUNTERBORE TO C'BORE AND PLACES TO LOC	6/11/99	J. POLAND
3	G-2	CHANGED DIMENSION DESCRIPTION TO B.C.	1/7/00	D. BEACH



NOTE:

1 TOLERANCE OF COUNTERBORE SPECIFIED FOR A CLASS FN2 PRESS FIT INTERFERENCE WITH PART MCM # 57155K156

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 6061 AL.

ENGINEERED: J. FULLERTON	DATE: 5/9/96	
DRAWN: J. FULLERTON	DATE: 5/9/96	
CHECKED: D. BEACH	DATE: 5/12/99	
SCALE 1=1	SIZE C	REVISION 3

QUANTITY FOR AN ASSEMBLY: 1

QUANTITY FOR ENTIRE DUMMY: 2

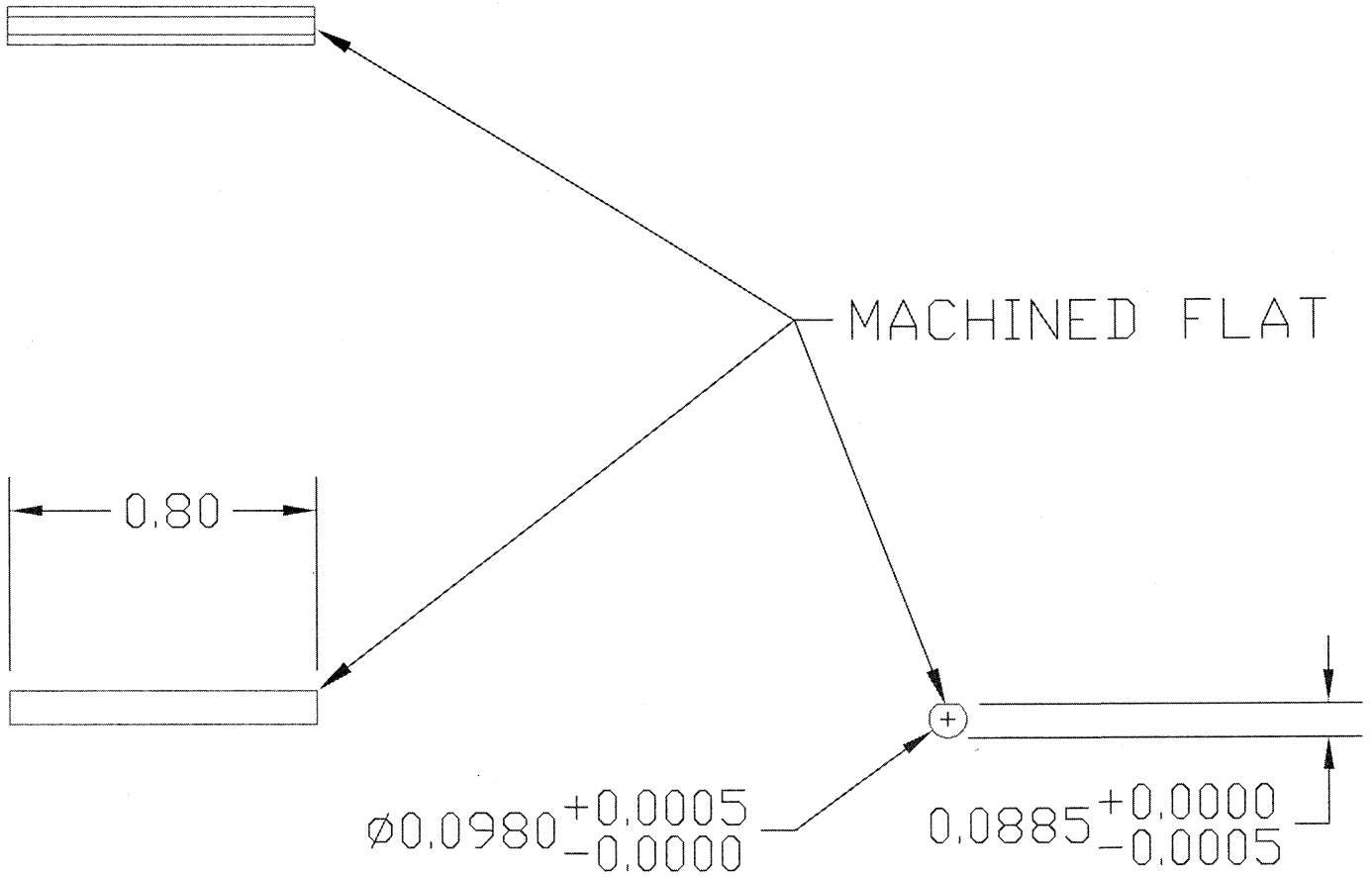
DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

DRAWING TITLE: DGSP - YOKE RIGHT ARM

DRAWING NUMBER: T1DPM213

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	ITEM 1	ADDED GAGE PIN TO HARDWARE LIST	5/12/99	D. BEACH
2	B-1	ADDED TOLERANCE TO DIMENSIONS	5/25/00	D. BEACH



NOTE:

1. MANUFACTURE PART FROM 0.0980"Ø GAGE PIN

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
1	1	MSC# 8890980	0.0980 DIAM GAGE PIN	PURCHASED

ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 304 SS

ENGINEERED: J. FULLERTON — DATE: 2/6/96
DRAWN: J. FULLERTON — DATE: 2/6/96
CHECKED: J. FULLERTON — DATE: 2/6/96

SCALE: 2=1 | SIZE: A | REVISION: 2

QUANTITY FOR AN ASSEMBLY: 1

QUANTITY FOR ENTIRE DUMMY: 2

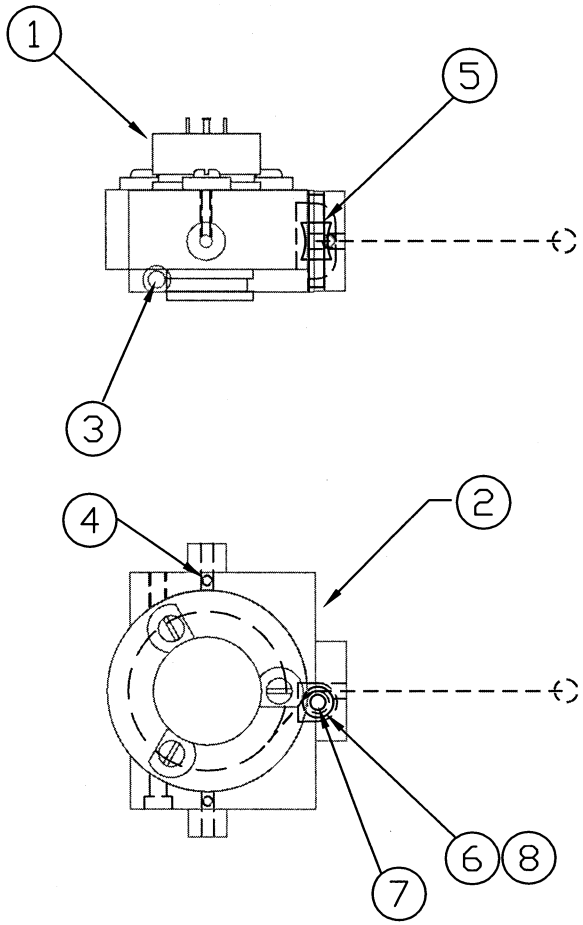
DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN * MANUFACTURE * TEST * SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

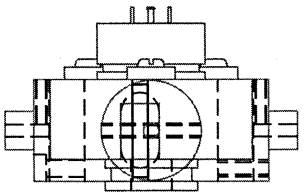
DRAWING TITLE: DGSP - D-SHAFT FOR CONTELEC ROTARY POT.

DRAWING NUMBER: T1DPM214

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	ITEM 7,8	CORRECTED QUANTITY REQUIRED	5/12/99	D. BEACH
2	HARDWARE	CHANGED ITEM 1 REFERENCE PART NUMBER	12/20/04	J. McDONALD





NOTE:

1. PRESS FIT MINIATURE BEARINGS INTO T1DPM312

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
8	2	MCM # 57155K138	S.S. PRECISION BEARING (ID:0.047")	PURCHASED (SS)
7	2	T1DPM314	FLAT LOW FRICTION WASHER	TEFLON
6	1	T1DPM313	PULLEY WHEEL AXLE	316 SS
5	1	T1DPM312	PULLEY WHEEL	304 SS
4	2	MCM #91375A077	#2-56 X 1/4" S.S.S. (ALLOY)	PURCHASED
3	1	MCM #91251A158	#6-32 X 1 3/4" S.H.C.S. (ALLOY)	PURCHASED
2	1	T1DPM311	STRING POT. MOUNT	ALUM.
1	1	T1NM230	STRING POTENTIOMETER	ALUM.

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL:

ENGINEERED: J. FULLERTON — DATE: 5/10/96
DRAWN: J. FULLERTON — DATE: 5/10/96
CHECKED: J. FULLERTON — DATE: 5/10/96
SCALE: 1=1 — SIZE: B — REVISION: 2
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
125 ORCHARD DRIVE
BOONSBORO, MD 21713

DRAWING TITLE: DGSP – STRING POTENTIOMETER MECH. ASSEMBLY

DRAWING NUMBER: T1DPM300

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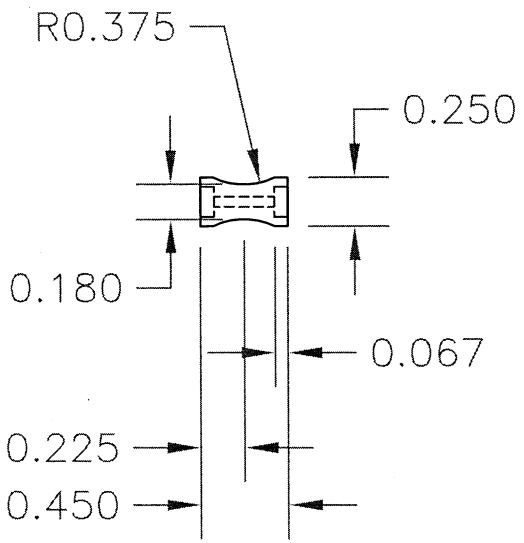
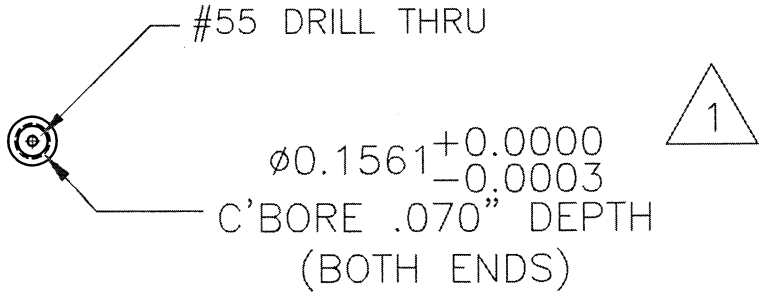
REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	C-3	ADDED ADDITIONAL DIMENSION INFORMATION	2/9/98	D. BEACH
2	C-2	CHANGED COUNTERBORE TO C'BORE	6/11/99	J. POLAND





NOTE:

1 TOLERANCES SPECIFIED FOR A CLASS FN1 PRESS FIT WITH MINIATURE PRECISION BEARINGS (MCMASTER 57155K138)

ITEM no.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 304 SS

ENGINEERED: J. FULLERTON — DATE: 11/5/96
DRAWN: J. FULLERTON — DATE: 11/5/96
CHECKED: J. FULLERTON — DATE: 11/5/96
SCALE: 1=1 — SIZE: A — REVISION: 2
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

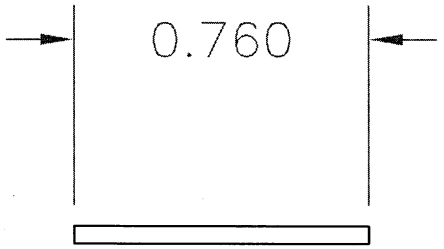
DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

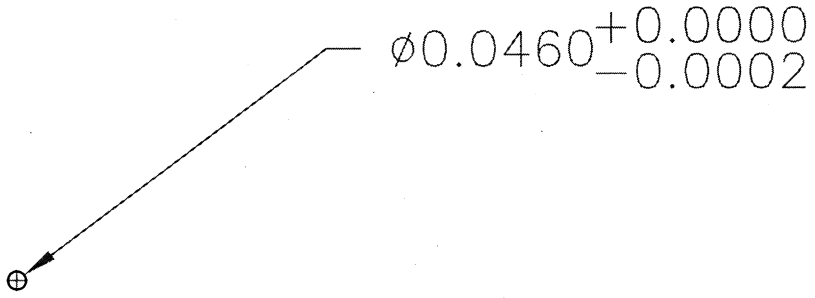
DRAWING TITLE: DGSP – STRING PULLEY WHEEL

DRAWING NUMBER: T1DPM312

Page 1/1

REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY
1	GLOBAL	UPDATED PART FOR GAGE PIN	5/12/99	D. BEACH
2	C-1	CHANGED TOLERANCE OF O.D. DIMENSION	6/11/99	J. POLAND





NOTE:

1. MANUFACTURE THIS PART FROM A 0.0460" ø GAGE PIN

ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
1	1	MSC# 8900460	0.0460" DIAM GAGE PIN	PURCHASED

ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: 316 SS

ENGINEERED: J. FULLERTON — DATE: 11/27/96
DRAWN: J. FULLERTON — DATE: 11/27/96
CHECKED: J. FULLERTON — DATE: 11/27/96
SCALE: 2=1 — SIZE: A — REVISION: 2
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

DRAWING TITLE: DGSP – STRING PULLEY WHEEL AXLE
DRAWING NUMBER: T1DPM313
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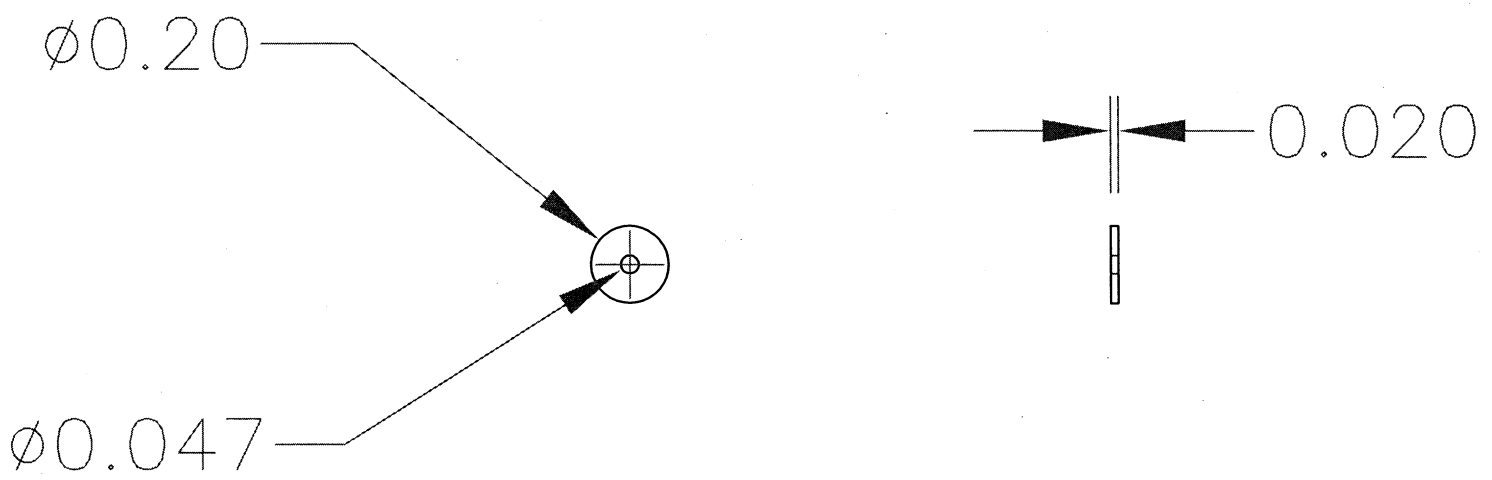
REVISIONS				
REV. #	ZONE	DESCRIPTION	DATE	BY



ITEM NO.	QTY	DWG/PART NUMBER	DESCRIPTION	MATERIAL
ADDITIONAL HARDWARE NEEDED FOR ASSEMBLY				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
Tolerances
Angles: ± .5°
Fractions ± 1/64
Decimals: .xx ± .01
.xxx ± .005
Hole Dia. ± .002
* DO NOT SCALE DRAWING *

FINISH:

MATERIAL: TEFLON

ENGINEERED: J. FULLERTON — DATE: 11/26/96
DRAWN: J. FULLERTON — DATE: 11/26/96
CHECKED: J. FULLERTON — DATE: 11/26/96
SCALE: 2=1 | SIZE: A | REVISION: N/C
QUANTITY FOR AN ASSEMBLY: 1
QUANTITY FOR ENTIRE DUMMY: 2

DEPARTMENT OF TRANSPORTATION
NHTSA
CONTRACT NO.: DTNH 22-94-C-07010
DESIGNED BY: GESAC, INC.
DESIGN • MANUFACTURE • TEST • SOFTWARE DEVELOPMENT
125 ORCHARD DRIVE
BOONSBORO, MD 21713

DRAWING TITLE: DGSP – FLAT LOW FRICTION WASHER

DRAWING NUMBER: T1DPM314

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