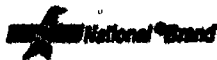


M/TIO

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**College Ruled White Paper
Single Subject Notebook**

80 Sheets/9 1/2 x 6"

Reorder # 33-560

Made in USA



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Chicopee, MA 01022**

ET35731

9/67

M/700 - RECEIVER O.D. - 1.555/1.860

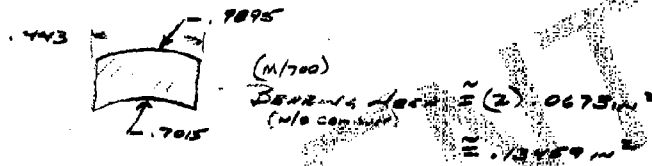
- RECEIVER/BARRAGE OVERLAP - .700/.725

- EJECTION PORT LENGTH - 3.22/2.25

- Bolt Head Len O.D. - .9895

- RECEIVER I.D. - .7015

- Bolt Len Width - .443



- Bolt Body O.D. - 1.695/1.298

- Bolt Shoulder O.D. - .6955

M/710 - DECKLE & LUG - LUG AREA = (8) .043088 IN²
(w/o 45° cham burr)
= .129069 IN²

M/100 MAGNUM BARREL - Max O.D. - 1.246/1.254

ET35732

9/27 M/710

BARREL - BARREL HUB DIA (OUTSIDE) - 1.230 $\pm$.0015

- BOLT LUG CLEARANCE DIA - .925 $\pm$.005

- BOLT BODY CLEARANCE DIA - .708 $\pm$.003

- LUG WIDTH $\pm$ (S&W SPEC. REQUIREMENT), ASSUMED 3000 RPH

$$= (3)(.925 - .708) / 2 \quad (\text{AT } 45^\circ)$$

$$= .325$$

$$1.200 \pm .0015$$

- BOLT LUG CLEARANCE WIDTH - .325 $\pm$.005

- BOLT SHROUD C'BORE DEPTH - .210 $\pm$.005

- BARREL HUB LENGTH = .800 + .325 + .210 + 2(CLEARANCE)
= 1.300 $\pm$.005 (RECEIVED OVERLAP)

- BOLT SHROUD C'BORE DIA $\pm$.708/.707

- BOLT LUG WIDTH CLEARANCE: .400 $\pm$.005

- TAKE DOWN TIPS - 1/4 - 28

BASE - BOLT SHROUD DIA - .695 $\pm$.002

- (NOTE - DEREGS LUG WIDTH IN BOLT .400)

- BOLT BODY DIA - .899 $\pm$.003
.001 MIN CLEAR
.010 MAX CLEAR

RECEIVER - FORCE FIT TORQUEMETER

(SEE MACH. HANDBOOK Pg 647/654)

- FN3 - FORCE FIT CLASS 3

4 HOLE 1.230 $\pm$.001

4 SHAF 1.230 $\pm$.002

i.e. RECOMMENDED TOLERANCE $\pm$.001/.0026

is ASSUME $\pm$.005 ON BARREL HUB

1.2285 MIN BORE
- .001 MIN LUG

1.2275 MAX REC. HOLE
- .0015 NOM TOL

1.226 NOM. REC. C'BORE

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ET35733

RECEIVER CONT'D

- Bolt Clearance Dia - $.906 \pm .003$ $\rightarrow$ Not Inspected
- Web Thickness Max Opening to Bell C Bore - $.100$
- Max Well Opening Length - $3.75 \pm .010$
- Bell C Bore Depth $1.300 \pm .005$
- Max Well Width at Rear - $1.04 \pm .010$
- Max Well Width at Front - $1.00 \pm .010$
- 7/3/90 - Receiver I.D (Tube) - $1.046 \pm .003$
INS.
- OAL - $6.400 \pm .005$
- Eject Port Width - $.590 \pm .005$
- Eject Port Gauge - $\#10$ Ball Mill
- Max Well Width - $.812 \pm .005$
- Free Chamber Width ^{shot} - $.310 \pm .005$
- Free Chamber Seat Length - $1.100 \pm .005$
- Receiver O.D. - $1.400 \pm .005$
- Bolt Handle Groove Depth - $.570 \pm .010$
- Fer Face to Fer Take Down - $.8375$
- Bolt Stop Clear Hole Dia - $.279 \pm .002$
- B.S. Flap - $.67 \pm .005$
- B.S. Hole Pos - $.598 \pm .005$

11/7/00 Maximize Bell Clearance Length - 3.552

ET35734

Bolt Cont'd - Photo Mat 2 - 8640

- Bolt Shroud Length = $.215 \pm .005$
- Bolt Lx Width = $.300 \pm .005$
- Bolt Shroud Dia = $.695 \pm .002$
- Bolt Body Dia = $.899 \pm .003$ → .001 Min Clear. w/ Rec.
.010 Max Clear
- Bolt Lx Width = $.370 \pm .005$

* 9/2/88 - Small Bolt Body dia. $.695 \pm .002$

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ET35735

RECEIVER SCREEN/INSERT

- O.D. - $1.045 \pm .002$ - $(1.043-.003 / 1.046 \pm .001)$
- I.D. - $.915 \pm .005$
- Bolt Lug Width (Clear) - $.280 \pm .003$
- Bolt Body Clear Dia - $.701 \pm .002$
- Inside Receiver Length - $(5.100 - .050) = 5.050 \pm .005$
- Port Width - $.600 \pm .005$
- Max Well Width - $.550$
 $.562 \pm .005$
- Max Well Position From Front - $.045$
- Eject Port From Front - $.050$
- Eject Port Length - 3.850
- Max Well Length - 8.760
- Side Port to Eject Port
 $X = .050$
 $Y = .621$
- Nominal Wall - $.065$
- Side Port River Holes - $.092 \pm .0015$
- B.S. Clear Hole - $.290 \pm .005$

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ET35736

Bolt Body

- Body Dia - .695 $\pm$.002
- Length - 5.065 $\pm$.005
- I.D. - .490 $\pm$.003
- Bolt Pin, Reverse I.D. - .600 $\pm$.005
- Bolt Head Pin Hole Dia - .250 $\pm$.002
- Hole Pos. From Front Face - .215
- Bolt Pin Pin Depth - .450 $\pm$.005
- Bolt Head Ref Pin Hole - .230 $\pm$.002
- 1/12/98 - Bolt Pin, Lugs, Length - .250 $\pm$.002

Photo Mark 8640

- Bolt Head
- Body Section Dia - .495 $\pm$.002
 - Firing Pin Hole Dia - .073 $\pm$.002
 - Rear Tr. P. Hole Dia - .150 $\pm$.002

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ET35737

Bolt Plug

- SLEEVE O.D. - .490 $\pm$.003
- SLEEVE LENGTH (BETWEEN SHOULDER) - .465 $\pm$.005
- LUG O.D. - .390 $\pm$.003
- LUG WIDTH - .120 $\pm$.003
- BODY O.D. - 1.395 $\pm$.005
- BOTTOM LUG WIDTH - .360 $\pm$.005
- LUG SHEAR AREA LENGTH - .1809" } BASED ON 1.042 LUGS
- LUG SURFACE AREA IN CONTACT w/ ROLLER BODY - .006096 in² 83
- .125R CL 1.165 LUGS
- LUG AREA LENGTH - .229457 in
- LUG SURFACE AREA - .0067 in²

Bolt Body

- SHAFT DIA - .274 $\pm$.002
- PADDLE WIDTH - .400 $\pm$.005
- SHAFT TO PADDLE RADIUS - .575
- SHAFT LENGTH - .295

ET35738

FIRING PIN

S&W LOW ACTION - FIRING PIN MASS - .094 lbs.

- TIP DIA - .0665

SAVAGE LOW ACTION - FIRING PIN MASS - .087 lbs

- TIP DIA - .0671

M/700 LOW ACTION - FIRING PIN MASS - .1419 lbs.

- BOLT HEAD TO BOLT PIN LENGTH - 4.065

- BOLT HEAD LENGTH (FROM TO BE) - 1.126

- BOLT PIN TO SPRING FORWARD - 1.028

TIP (4520)

- TIP DIA - .067 ± .001

- SHAFT DIA - .143 ± .002

- HEAD DIA - .485 ± .003

- HEAD WIDTH - .400

ALUM TOR = .0594 lb.

- STROKE - .235

SPRING TOR = .110959 lb.

- THREAD - #12-28 UNF

- MASS - .0149 lbs.

HEAD (1010)

- MASS - .015784

SHAFT (1010)

- O.D. - .275 ± .002

- TIP THREAD - #12-28 UNF

- LENGTH (BETWEEN) 4.590

- TIP THREAD LENGTH - .150 ± .005

- HEAD THREAD LENGTH - .225

- HEAD THREAD - #12-28

- MASS - (ALUM) .02876

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ET35739

	<u>DESIGN</u>	<u>DWG</u>	<u>REQ.</u> <u>NO.</u>
* - BARREL	✓	D 5806	77881
* - RECEIVER	✓	E 5826	77881
- RECEIVER INSERT	✓		
* - Bolt Head	✓	D 5827	77881
* - Bolt Body	✓	D 5880	77881
- Bolt Assy Pin	✓	B 5842	77883
- EXTRACTOR	✓		
- EJECTOR			
- EJECTOR SPRING			
- EJECTOR RET. PIN			
* - Bolt HANDLE	✓	C 5885	77881
- Bolt HANDLE PIN	✓	A 5841	77883
- Bolt Plug	✓	D 5845 5892	77882 88/80
* - F.P. Head	✓	C 5836	77881
* - F.P.	✓	C 5837	77881
* - F.P. TIP	✓	C 5838	77881
- F.P. SPRING	✓		78912
- RIGHT SIDE PLATE	✓	C 5844	77883
- SIDE PLATE PIN (Hous. Assy)	✓	AW 5840	77883
- SAFETY			
- SAFETY DETENT SPRING			
- SAFETY BUTTON			
- TAKE DOWN SCREWS #12 (2)			
- SLANT ASSY'S			
- MAGAZINE BOX	✓		78708
- LATCH	✓		
- TRIGGER GUARD	✓		
- Bolt STOP			
- STOCK	✓		79139

ET35740

SIDE PLATE RIVET

- BODY DIA = .101 $\pm$.0015
- HEAD DIA = .182 $\pm$.005
- SHAFT LENGTH = .205 $\pm$.005
- HEAD WIDTH = .045

BOLT HANDLE PIN

- OD = .255 $\pm$.002
- LENGTH = .828 $\pm$.005

BOLT ASST PIN

- OD = .247 $\pm$.0005
- LENGTH = .290
- HOLE DIA = .145 $\pm$.001

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ET35741

FIRING PIN SPECIFICS

- BOG BODY I.D. = .493 ± .003 - .495 max
- FIRING PIN O.D. = .275 ± .002 - .277 max
- FREE LENGTH = 3.665
- COILED LENGTH = 3.450
- SPRING = .235

$$\text{Ex. 1 - } F_1 = 19.25 \quad X_2 = 6.015 - 3.665 = 2.35$$

$$F_2 = 17.50 \quad X_1 = 6.015 - 3.450 = 2.565$$

$$K = 7.4460 \text{ lb/in} \quad M = .111$$

$$\text{ENERGY} = \frac{1}{2} K (X_1^2 + X_2^2) \\ = \frac{1}{2} (7.4460) (2.565^2 + 2.35^2)$$

$$= 1.318 \text{ IN LBS.}$$

$$E = 48.09 \text{ IN OZS}$$

$$T = \frac{\cos^{-1} \left(\frac{X_1}{X_2} \right)}{\sqrt{K \cdot M}} \quad \text{in}$$

$$= \frac{.4297}{9.453} (.0587129)$$

$$T = .00267 \text{ SEC}$$

ET35742

INERTIAL

- FRONT TO FRONT TAKE DOWN - 10.8375
- DIST. BETWEEN TAKE DOWN - 1.700
- FRONT TO REAR, FOLE - 11.700
- REAR LENGTH 6.400 P. CLOSURE
- REAR TO BBL STRAIGHT - 1.1742
- REAR TO MIDDLE TAKE DOWN SERRIS - 6.960
- REAR T.D. POST DIA - .445
- REAR T.D. POST DEPTH - 1.109
- REAR OF REAR TO STRAIGHT OF TANK - .315
- REAR TANK CLEAR RAIL - .283
- FIRE CONTROL SLOT WIDTH - .340
- F.C. SLOT TO REAR T.D. CL - .550
- F.C. SLOT (FRONT) TO REAR T.D. CL - 2.520
- F.C. SLOT DEPTH FROM BBL CL - 2.055
- TANK SLOT FROM REAR OF F.C. - 1.215
- LATCH WIDTH - .495
- LATCH CLEAR FRONT TO BACK - .357
- REAR BOLLARD WIDTH - .205
- R.B. FRONT POST TO T.D. FRONT - 3.075
- R.B. SLOT WIDTH - .700

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ET35743

SAIKO FIRING PIN SPRING:

CORRECTION = FREE LENGTH IN CORRECT POS = 1.065

FREE LENGTH = 2.790

STROKE = .210"

$$P_1 = X = (DFFL) = .282 .208$$

$$L_1 = 57.825 \text{ LBS/LB}$$

$$P_2 = X = (DFFL) = .716$$

$$L_2 = 15.46$$

$$P_3 = X = (DFFL) = .849$$

$$L_3 = 17.86$$

$$K_{12} = \frac{(L_2 - L_1)}{(P_2 - P_1)} = \frac{9.46 \text{ LB}}{.432 \text{ IN}} = 21.8 \text{ LB/IN}$$

$$K_{13} = 28.90 \text{ LB/IN}$$

$$K_{13} = \frac{1196}{.566} = 21.1 \text{ LB/IN}$$

Assume $K = 21.4 \text{ LB/IN}$

$$\therefore L_c = \text{Loop Length} = 22.791$$

ET35744

10/16

DESIGN REVIEW

- UNION

- BASE

-.025 MAX RAD.

(GRIND $\pm .0005$)

- 1.00 R PUNCH ?

- Bolt Flange

- Lug

- THREADED UNION ?

- Bolt Body

- Lug Clearances $1/4"$?

- Bolt Head

- EXTENSION CUT - .005" OFF OF FACE

- Bolt Insert

- No Corros. - No Riss.

83

ET35745

Rapid Prototype Items for Copying Sample

- RECEIVER INSERT ✓
- Box Bottom ✓
- FOLLOWER ✓
- LATCH ✓
- TRIGGER GUARD ✓

710. REC-INSERT - SOLID

710. BOX - BOTTOM

710. FOLLOWER

710. LATCH

710. TRIGGER GUARD

File to Permit for Build

83

ET35746

11/16/78

RECEIVER INSERT

TADD CORN EST.

MATERIAL - #3/16 → #4.90/16

VOLUME ~ 1.8

CAVITATION - 2

20.7 SEC TOTAL CYCLE

LABOR RATE #37.79/HR

↳ #.40/PART

11/17/88 DESIGN REVIEW - LABOR RATES AS OF 7/80

REC. INS. - ^{INCOGNITO} #3.50 US #.40 (ETERN. EST) MAT'L #.47

- MATERIAL (COOP. TO VERDON)

- TOOLING COST - TRT

- CYCLE TIME 40 SEC / 1 CAVITY

- SYN. TIME RATE CYCLE TIME

* - MOLD FLOW ANALYSIS

↳ CYCLE TIME

↳ MATERIAL

↳ CAVITATION

* - POSITIONAL TOLERANCE - GREATER THAN .003

OP 30 - POTENTIALLY MOLDING

- NEED THREADED INSERT

* - SCREW POLYMER OP. FACS

83

ET35747

Bolt Head

- OP BD ?
- Mill Lugs - No Cost due to OP combinations
- Common to M/700 Bolt Head
- Cam Cut on Barrel vs Bolt Head

Bolt Plug

- Lug Strength
- Potting Cost based on cycle
cycle vs rec. ins.

Stock Assy

- (6.12 + 1/4) 700 ADL
- 2nd Pin Outsourced - 2 / 00
- Same Cost as 700 ADL
- L Pin Saw w/ Bolt Plate (# 2+)

Misc Comp. - Screen Machine Parts out for quote.

Fillet Pin - More Thread Clearance for Roll Thread

Bolt Handle - \$.80

Barrel Blank

- Seamless Pre Hard

Barrel - Lug Cam ?

- Turn vs. Polish (Same Cost)
- Add Sight Cuts

83

ET35748

Firing Pin Head

- MIM

Receiver

- OUTSOURCE - ROLLBACK - SERIAL #

Bolt Body

- OUTSOURCE

Bolt Assy

- OP 40 ?
- OP 60 ? - Not Removed ?

Barrel Assy

- OP 30 Removed
- OP 40 "

83

ET35749

1/13 Parts to Cannon REC Build
 → #88129 - \$4218.00

Bolt Body	2 Pcs.	1010-1020 OR 1100 SERIES
Bolt Head	2	8640
Receiver	2	1010-1020 OR 1100
Bolt Handle	2	1010-1020
F.P. Tip	2	8620
F.P. Head	2	1010-1020
F.P.	2	1010-1020
Side Plate	2	1010-1020
Bolt Handle Pin	2	1010-1020
Side Plate Pin	4	1010-1020
Assembly Pin	2	1010-1020

BARREL SHOTS 15 Rem. SPR 155
 → #88221 (1/10/19)

Part to KENNEDY

#88082 - Receiver Insert - 1 part \$3550 Not to exceed.

#88120 - Tear Bolt Pin - 2 part est \$300

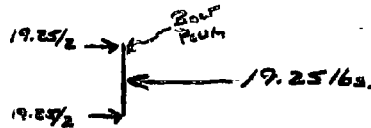
ET35750

1/2

Bolt Pin Calculations

↳ F.P. SPRING FORCE - (GIVEN) 19.25 lbs.

↳ LUG SURFACE AREA = .006096 in²/LUG



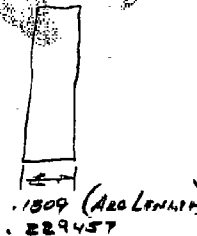
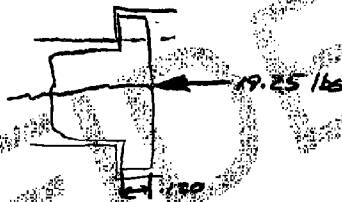
$$\tau = \frac{\text{LOAD}}{\text{AREA}} = \frac{9.625 \text{ lbs}}{.006096 \text{ in}^2} = 1572.9 \text{ psi/LUG}$$

$$\tau_{L(.125)} = \frac{9.625}{.0067} = 1435.6 \text{ psi/LUG}$$

83

SHEAR

ASSUME PROF. CROSS SECTION



$$\therefore A = \text{CROSS SECTIONAL AREA} = .1809 \text{ IN} \times .120 \text{ IN}$$

$$= .02171 \text{ in}^2 \quad (.125)$$

MAKES
Pg 518

$$\text{SHEAR STRESS MAX} = \text{BOLT AREA} = \frac{3(\text{LOAD})}{2(\text{AREA})}$$

$$S_{V(\text{MAX})} = 1330 \text{ psi}$$

$$S_{V(\text{MAX}, .125)} = 1048.7 \text{ psi}$$

ET35751

1/14 - SAH/SONN/ CARLO/MIKE S./DANNY/MIKE K.

- Recoil Pad - ADL - OK

- Grip Cut - ADL - Recognition?

↳ SNARE OK → New Tool

↳ ARMOR REQUIRED - w/ COLOR DIFFERENTIAL

- SPORTSMAN LOGO

* → TARGET APPLIC FOR FINE ARMOR

↳ GOLD "R" LOGO WITH BLACK BORDER

COST?

↳ M. SANTINO

83

CARLO TO DRAW - LOGO

- CROWN - RECESSED - MTN RISE

- FRONT EJECT - ADL SEND

① - CONTOUR RBL - TRANSITION - TURN/POWER 2.10

↳ MIKE S TO WORK w/ FRANK

- REAR EJECT - SPIS 75 - VISUAL CALIBRATIONS?

↳ MIKE SANTINO

- RECEIVER - TRANSITION TO BOLT PLUG - FEEDER LOGO TO

- 'SPORTSMAN 710' ROUNDMARK BOLT PLUG

- EJECTION PORT - OK

② - BOLT HANDLE - CASTING? - CNC .90
200 S.E.K.

- CARLO/SONN

- BALL w/ SWEEP

- MAGAZINE - UNIFORM w/ MAX .015"

- SCREW SWIRE INSERT - TEST w/o INSERT

- COMPETITIVE EVALUATION

③ - BOLT PLUG - CARLO

- SAFETY BUTTON - OK

- RECEIVER INSERT - RADIUS CHANGES FOR WOOD STOCK

ET35752

1/14 CONT'D

- SIDE CONTOUR - 700
- TRIGGER COVERED - O.K. - 700 WIDTH
- 700 FEET. PAD.
- FINISH - SCARS FOR PART IDENTIFICATION
- WIRELESS CHIPS - TEXTURE SIMILAR TO RBL
- STOCK LATCH OPERATOR - O.K.
- LATCH - CLOSE FROM BOTTOM
- BOX FIT UP GOOD
- BOX BOTTOM - SIDE TEXTURE
- LOGO - JOHN/SMY "NO"
- TOOL COST FOR INSERT
- STOCK - REAR TAKE DOWN - REAR LATCH
- ESCUTCHEONS
- BOLT STOP - "JERRY" REQUIRED
- PM REQUIRED
- BOLT PIN - INSERT MOUNTED STAKE (IN PLACE)

1/15 - MANBOX SLES FILE TO TURNING PRECISION ARM: MARK B.
PER HAROLD BROWN.

1/18 - BOLT PIN STD FILE TO CHANGING PATTERN

1/19 - BOLT PIN SLES (4)

REQ # 88739

1/22 REQ # 89553 - MOD FLOW ANALYSIS - \$3000

89554 - MAL BOX DEVELOP.

1/25 REQ # 89819 - CHANGING REAR LATCH

1/26 REQ # 89998 - STOCK (ALUM)

2/1 REQ # 90683 - REC LVR - BSLA'S

83

ET35753

2/8 - Measurements

- Firing Pin Head

C Bore - .0545/.053

A to Bottom (.382) - .334/.321

(.440 width) - .4395/.4385

(.170 width) - .169/.1705

(.565/.085) - .649/.649

- Firing Pin Tip

1.142/.085
(1.1755) 1.1235/1.1157

- Firing Pin

(4.590) 4.5865/4.592

- Side Plate OK

- Recoil Pin OK

- Bolt Head

.371 1/1001 - .867/360

2/10 - Firing Pin Tip Measurements

1.176/1.1725

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ET35754

2/9

Hansen - Z Cavity

- 30% Glass Material - Per Hand Mold.
- \$8000/Time for Hardened
- 1st Cavity P20, Exp. w/ 30-40%
- Ejection Port: Spruing Pull?
- Length - Add .025" → 5.075
- Bolt Handle: Thin Rib .268 to .218
- Top Core - In Line Even on Side of Rib
- B-B- .365 vs. 2.8/0.8 75 match Ejection Port
- Top Gate - Optimize 2.8/5.12 2.8/5.12

* To Do: Press Fit Force Req.

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ET35755

2/9

TRT -

P20 - INSIDE CASE

2/10 GEORGE - HANSEN GROUP (413) 589-0534 (285)

- HOLE TOLERANCE $\pm .000$
 $\pm .0015$

- STRAIGHTNESS - BOW IN LEAF

2/11 Ray - Hole Tolerance $\pm .0005$ - Received Inquiry
 $\pm .0015$

TRG # 92412 - BOW HEADS.

2/12 - RECEIVED 2 BOW HEADS

- E-mailed RIR1299, DEC. TO HANSEN

2/15 - NO. FOL SURF FILE TO GENERAL PATRICK

2/17 PERKINS FOR CASE.

MACHINERY'S HANDBOOK Pg 637

$$P = \frac{A \cdot F}{2}$$

$$A = \text{SURF AREA} = (P \times 1.227 \times 1.227)$$

$$a = (.0015 \times 1.227)$$

$$F = 375 \text{ (Tensile)}$$

$$\therefore P = 1.83 \text{ tons.}$$

83

ET35756

2/17 Parts Ready For Designing.

Pr No. :

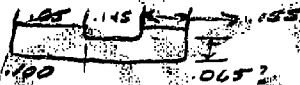
Parts/MDL/710/ RECEIVER

2/17 M/710 ACTION - 2000 DRY FIRING w/o FAILURE.

INJURY BEFORE DRY CYCLING .012, .013, .015 (CU CENTER)

2/22 INJURY AFTER DRY CYCLING .013/.014

EJECTOR - .188 DIA .002



SPRING LOAD DIA - .391 / .251

MAN BOX (.473 Nom DIA)

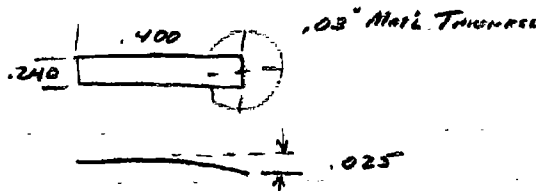


$$\cos 30^\circ = \frac{x}{.473} = .4096$$

$$\therefore .4096 + .473 = .8826 \text{ Box Width}$$

SAFETY - 30 DEG ROTATION

: LOW POS (R) - 8.0 DEG BELOW HORIZ.



ET35757

Mechanics Handbook - Pg 328

$$P = \frac{E b^3 F}{4 L^3} = \frac{(39400 \times 240 \times .02)^3 (0.25)}{4 (.4)^3}$$

$$P = 18.35 \text{ lbs.}$$

$$T_b = \frac{G P L}{b^3} = \frac{G (18.35 \times .4)}{(240 \times .02)^3}$$

1095 MAT'L
 $T_y = 150,000$

$$T_b = 203,889 \text{ psi}$$

∴ @ .025 MAT'L THICKNESS $P = 14.98$

$$T_b = 192,802 \text{ psi}$$

@ .026 MAT'L THICKNESS $P = 11.95$

$$T_b = 176,775 \text{ psi}$$

@ L = .45 / .025 MAT'L $P = 10.48$

$$T_b = 150,382 \text{ psi}$$

* @ L = .45 / .026 MAT'L $P = 8.39$

$$T_b = 139,626 \text{ psi}$$

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ET35758

Trigger Pin Hole - .1254/.1264
 Sear Pin Hole - .1265/.1265
 ✓ Sear & Trigger Pin Dia - .124/.125 .300 ±.003
 Inert Hole Dia - .1225/.1205
 ✓ Side Plate Hole Dia - .124/.125 .126 ±.0005
 ✓ Sear Pin - .122/.125 .128 .000 ±.003
 ✓ Sear Hole - .126 ±.0005

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ET35759

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1

ET35760

Confidential - Subject to Protective Order
Williams v. Remington