

WAW
10/15

CUSTOMER

POINT OF VIEW

HIGH "EASE OF USE"

- QUICK TO FIND
- EASY TO OPERATE
- EASY TO UNDERSTAND
- RELIABLE TO OPERATE
- EASY TO USE WITH SCOPE
- CRISP TRIGGER PULL
- MINIMUM CREEP
- HIS OWN PERCEPTION OF "WHAT IS"

MEDIUM

- QUIET OPERATION
- MINIMUM BALKUSH (feedback)
- SINGLE STAGE PULL
- EASILY KNOWN STATUS ("S" OR "F")
- PLEASING APPEARANCE
- ADJUSTABLE FOR WEIGHT OF PULL

LOW

- LOCATION OF SAFETY (CONSISTENT WITH EASE OF USE)
- HOW MECHANISM PREVENTS UNINTENDED FIRING-WHAT IT BLOCKS
- MINIMUM TRIGGER OVER-TRAVEL

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MARKETING

POINT OF VIEW

HIGH

- RESPONSIVE TO THEIR ASSESSMENT OF WRITERS' & CUSTOMERS' PERCEPTIONS OF REALITY.
- AVOID MULTIPLE FEATURE OPTIONS WHICH WOULD COMPOUND/CONFUSE SALES INVENTORIES
- PRESERVE PRODUCTION CAPABILITY TO SATISFY M700 DEMAND
- EASY TO UNDERSTAND AND USE
- USER ABLE TO OPEN [AND CLOSE] BOLT IN A SAFE CONDITION ("3-POSITION SAFETY")
- BOLT LOCKED DOWN IN "S" CONDITION

MEDIUM

- CUSTOMER-ADJUSTABLE TRIGGER PULL FORCE ONLY DOWN TO MINIMUM SATISFACTORY LEVEL
- NOT ADJUSTABLE EXTERNALLY
- BOLT STOP RELEASE AWAY FROM "IN FRONT OF TRIGGER"
- NO SAFETY ON TANG
- LEFT-HAND VERSION (12-15% OF MARKET)

LOW

- 2 • FIELD-CONVERTIBLE FOR OPERATION WITH
0 OR WITHOUT BOLT LOCK

NOT

- MAGAZINE-BOX DISCONNECT SYSTEM

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MANUFACTURING

POINT OF VIEW

HIGH

- INTERCHANGEABILITY OF COMPONENTS AT SUB-ASSEMBLY AND FINAL ASSEMBLY.
- SATISFACTORY PERFORMANCE WITH NORMALLY-ACHIEVED TOLERANCES
- ONLY NORMAL TRAINING AND DEXTERITY REQUIRED TO PROCESS

MEDIUM

- READY-TO-ASSEMBLE SUB-ASSEMBLIES AT FINAL ASSEMBLY.
- DESIGNED TO PREVENT INCORRECT ASSEMBLY OF COMPONENTS

LOW

- READILY REWORKABLE/SALVAGEABLE

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LIABILITY

POINT OF VIEW

HIGH

- AVOID PATENT INFRINGEMENT
- NOT INTERCHANGEABLE OR RETROFITTABLE TO M700
- TWO POSITION "S" & "F"
- SEALED UNIT; REQUIRING NO ORIGINAL OR FIELD LUBRICATION
- ROBUST AGAINST IMPACT - EXCEED SAAMI/ANSI RECOMMENDATIONS BY WIDE MARGIN
- USER OPERATION CONSISTENT WITH PRECEDENT AND CONVENTION.
- ROBUST AGAINST EFFECTS OF TAMPERING/ADJUSTING
- HIGHLY INTUITIVE OPERATION

MEDIUM

- READILY DEFENSIBLE REASONS FOR DEPARTURE FROM CURRENT DESIGN

? • CONVERTIBLE & REVERSIBLE BOLT LOCK

? • INTERLOCK: WILL NOT FIRE IF TRIGGER IS PULLED AND HELD AS SAFETY S → F

(1) SAFETY WON'T MOVE IF TRIGGER IS HELD DOWN
OR

(2) SAFETY - WON'T MOVE BUT TRIGGER MUST THEN BE RELEASED AND PULLED TO CAUSE FIRING.

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ENGINEERING PROCESSING

POINT OF VIEW

HIGH

- SHORT RECEIVER
- MACHINES, TOOLING, PROCESSES CONSISTENT WITH EXPECTED VOLUME
- HIGH-YIELD OPERATIONS
- MAINTAIN 11200 PRODUCTION CAPACITY

MEDIUM

- DESIGN TO INHIBIT/PREVENT INCORRECT ASSEMBLY OF COMPONENTS
- DESIGN TO PERMIT REWORK/SALVAGE

ENGINEERING DESIGN

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POINT OF VIEW

HIGH

- SHORT DIMENSIONS PARALLEL TO CEBL
- AVOID ANY REASON TO PUT FINGER WITHIN TRIGGER GUARD EXCEPT TO INTENTIONALLY FIRE
- EASY TO UNDERSTAND - HIGHLY INTUITIVE OPERATION
- REALITY VS. PERCEPTION RECONCILED THRU ACTUAL TESTING / PERFORMANCE
- PRESERVE ADVANTAGES OF RESILIENT (CONNECTOR) FUNCTION
- DO NOT USE SEAR AS BOLT STOP OR APPLY BOLT STOP IMPACT TO ASSEMBLY

• REDUCED LOCK TIME

- ACTIVATE SAFETY WITH BOLT OPEN

MEDIUM

- QUIET OPERATION
- ENHANCED CORROSION RESISTANCE
- COMPEL TRIGGER TO SUPPORT POSITION IN MOVING SAFETY F → S
- FULL TRIGGER RETRACTION UPON PARTIAL PULL
- MEANS TO PREVENT INCORRECT ASSEMBLY / RE-ASSEMBLY OF COMPONENTS

RELEASE MECHANISMS

SPECS

HIGH • WILL MEET/EXCEED SAAMI
JATROFF SPECS

- DISCRETE, DISTINCTIVE, STABLE POSITIONS
- MOST FULL ^{RE}ENGAGE - UPON PARTIAL
TRIGGER PULL (DISENGAGEMENT)
- APPLY SAFETY TO "NO FIRE"
POSITION WITH BOLT OPEN
- DEBRIS-RESISTANT

MED • ISOLATE NON-FIRING FUNCTIONS FROM
TRIGGER AND SAFETY ACTUATION MEANS.
CONSUMER ADJUSTABLE

C MUST RETAIN SAFE SETTINGS

C LIMITS OF CONSUMER-PERMITTED
ADJUSTMENT

BRAUNING A BOLT TR. PULL

LOW

UNKNOWN

CAN WE:

APPLY THE SAFETY IMMEDIATELY
AFTER FIRING; BOLT CLOSED F.P. REENGAGED.

APPLY THE SAFETY WITH THE
BOLT OPEN. WEATHERBY, VANGUARD, COLT 300, 3000

SHOULD WE BLOCK:

FIRING PIN

SEAR

TRIGGER

OTHER COMPONENT

MULTIPLES OF ABOUT

PROVIDE A ~~DISC~~ MEANS
WHENEVER IF TRIGGER IS PULLED
AND HELD WITH SAFETY ON,
AND SAFETY IS PUSHED TO F POSITION,
RIFLE WILL NOT FIRE. (COCT-SAFER)