

52

DATE

10-18-45

SUBJECT OF EXPT.

COCKING & TOL. CHECK.

SEAR Pin Hole from Lug = 3.991 MAX ①

" " " to SEAR Point = 1.8036 MAX ②

LUG SEAR TO POINT OF SEAR 5.2946 MAX

MIN LUG TO BOLT HANDLE = 4.380

MIN LUG TO COCKING REAR POINT:

.309 ③ BOLT HEAD

4.505 ④ BOLT BODY

4.814

- .035 ⑤ CAM SEAT

4.779

5.50 ⑥ CAM POINT to shoulder

5.329

- .145 ⑦ shoulder to notch

5.184

- 4.380 ⑧

.804

MIN BOLT HANDLE TO COCKING

4.365 MIN LUG TO BOLT HANDLE SEAT

1.000 MIN PRIM EXT.

5.269 MIN LUG TO NOTCH BOLT OPEN

+.030 for camming into notch in bolt

giving .025 MIN OVER TRAVEL

IF PRIMARY EXTRACTION CAM

IS O.K.

Hand Dist SEAR to
 Lug to Point
 SEAR =

Tan 27° = Opp S = X
 .140

X^{min} = .0714X^{max} = .0765

Cos 27° = 891 = 1.375

Y^{min} = 1.375Y^{max} = 3.691.375 - .0714 = 2^{min}

.0714

1.3036

1.369 - .0765 = 2^{min}

.0765

1.2925

1.2036

2.5961

1.298

1.369
 .0765
 1.2925

1.369
 .0765
 1.2925

.001

Tan 27° = .014 = 5.095

X = .028

EXPERIMENTER

WITNESS

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