

XP 100 - 223 REM - DESIGN TEST

PROGRAM. 8-02-85 A.M.

OBTAIN TEN 22CFR BARREL BLANKS - (MODEL SEVEN)

(a) FIVE - 222 REM FOR 14 INCH TWIST

(b) FIVE - 223 REM FOR 12 INCH TWIST.

TURN IN BARREL CONTOUR AND TRIM LENGTH

TO MATCH OR 7mm BR REM BARREL BLANK,

WITH DRAW FROM WALK HORNIS TEN XP-100
PISTOLS OF 221 CALIBER.

HAVE BARRELS REMOVED FROM RECEIVERS
AND DELIVER ACTIONS TO CUSTOM SHOP.

HAVE BARREL CHANNEL OR STOCKS BE CUT
TO THAT OF 7mm BR REM BARREL CHANNEL
OR OBTAIN TEN STOCKS WITH 7mm BR REM
BARREL CHANNEL VIA INVENTORY WITHDRAWAL.

HAVE CUSTOM SHOP FABRICATE XP 100 - 223 REM
PISTOLS. FIVE TO BE STAMPED (12) FOR 12 INCH
TWIST AND FIVE TO BE STAMPED (14) FOR
14 INCH TWIST.

2. PROOF AND ACCURACY TEST ALL TEN PISTOLS
WITH 223 REM. AMMO. (WITH TRACER MOTOR,
BRANDS (R, W, F.).

(N) ACCURACY TEST MAY BE BOTH IN
GALLERY RANGE AND HAND FIRED.

FINISH TEST RESULTS AND PREPARE
TRANSMITTAL DETAILS FOR XP-100-223 REM.

1. SELECT ONE (12) AND ONE (14) XP100 PISTOL
AND HAVE CHAMBER RE CUT (DETAILED THROAT)
TO THAT OF 5.56.

2. RESHOOT ACCURACY OF ALTERED GUN
AND ONE CONTROL GUN.

3. FINISH SECOND TEST RESULTS AND
COMPARE TO FIRST ACCURACY TEST.

COMMENT: THE LONG RANGE XP100
BOLT ACTION PISTOL ACCURACY IS EXPECTED
TO BE A FUNCTION OF CHAMBER PRESSURE
VARIATION(S). A (14) INCH TWIST IS MORE
FOR GIVING THAN A (12) INCH TWIST
BARREL. THE DETAIL THROATED 5.56
IS EXPECTED TO BE MORE FOR GIVING
THAN A LEADER THROATED 223 REM.
CHAMBER. IF SIGNIFICANT INDICATION
OF ONE GUN WILL INDICATE IF A LARGER
SAMPLE IS REQUIRED FOR VERIFICATION
OF ACCURACY DIFFERENCE.

2. WHEN RE-CUTTING THE 223 Rem CHAMBER
TO THE 5.56 CHAMBER STAIN GAGE
SHOULD BE PLACED ON GUN FOR STAIN
GAGE PRESSURE DATA AND Muzzle
VELOCITY 1A MEAS / TEST TIME ALLOWED.