

xc: J.W. Bower

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington



PETERS



"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

June 3, 1985

TO: W.L. Tomek

FROM: R.S. Murphy

Preliminary Mountain Rifle Trial & Pilot Testing

Two Mountain Rifles in .280 caliber were supplied to Research for testing purposes. The stocks were not sanded or finished and did not have fore-end tips or grip caps. These rifles had been shot in the gallery for accuracy, endurance for 100 rounds, and shot three times more for accuracy. The results are as follows:

#B6688863 Group 1 - 1.5"
100 round endurance
 Group 2 - 4.5"
 Group 3 - 3.5" (150 gr.)
 Group 4 - 3.0" (165 gr.)

#B6691589 Group 1 - 2.5"
100 round endurance
 Group 2 - 5.0"
 Group 3 - 3.5" (150 gr.)
 Group 4 - 3.5" (165 gr.)

These rifles were shot in Research for accuracy also. Three 3-shot groups were averaged for each rifle as follows:

#B6688863 2.46" avg.

#B6691589 2.4" Avg.

These groups were not as good as I expected, however when the ammunition was qualified it didn't shoot very well either. To determine what this ammo lot will do in a standard M/700, two rifles have been withdrawn from the warehouse to be shot for accuracy. With this information we should be ready for the accuracy phase of the Trial & Pilot testing.

RSM:sps
Attach.

RSM

8688863

PATTERN # : 1

NUMBER OF SHOTS	:	3	
MAXIMUM X & Y	:	.301	-1.560
MINIMUM X & Y	:	1.445	-.270
CENTROID X & Y	:	-.653	.661
POA TO CENTROID RAD:	:	.9292	
MIN RADIUS	:	.9188	
MEAN RADIUS	:	1.0206	
MAX RADIUS	:	1.2348	
HORIZONTAL SPREAD	:	1.8610	
VERTICAL SPREAD	:	1.7150	
EXTREME SPREAD	:	1.9858	

NUMBER IN ONE	INCH CIRCLE	=	0
NUMBER IN TWO	INCH CIRCLE	=	2
NUMBER IN THREE	INCH CIRCLE	=	3

PATTERN # : 2

NUMBER OF SHOTS	:	3	
MAXIMUM X & Y	:	1.689	-.956
MINIMUM X & Y	:	2.205	.021
CENTROID X & Y	:	.387	1.451
POA TO CENTROID RAD:	:	1.5015	
MIN RADIUS	:	.7555	
MEAN RADIUS	:	1.3946	
MAX RADIUS	:	1.9610	
HORIZONTAL SPREAD	:	2.6450	
VERTICAL SPREAD	:	2.1840	
EXTREME SPREAD	:	3.3804	

NUMBER IN ONE	INCH CIRCLE	=	0
NUMBER IN TWO	INCH CIRCLE	=	1
NUMBER IN THREE	INCH CIRCLE	=	2

PATTERN # : 3

NUMBER OF SHOTS	:	3	
MAXIMUM X & Y	:	.232	-.805
MINIMUM X & Y	:	1.996	.036
CENTROID X & Y	:	-.301	.732
POA TO CENTROID RAD:	:	.7912	
MIN RADIUS	:	.7599	
MEAN RADIUS	:	.9670	
MAX RADIUS	:	1.2647	
HORIZONTAL SPREAD	:	1.0370	
VERTICAL SPREAD	:	1.9600	
EXTREME SPREAD	:	2.0390	

NUMBER IN ONE	INCH CIRCLE	=	0
NUMBER IN TWO	INCH CIRCLE	=	2
NUMBER IN THREE	INCH CIRCLE	=	3

865 71587

PATTERN # : 1

NUMBER OF SHOTS	:	3	
MAXIMUM X & Y	:	.611	-1.427
MINIMUM X & Y	:	2.836	1.018
CENTROID X & Y	:	-.597	1.631
POA TO CENTROID RAD:	:	1.7371	
MIN RADIUS	:	.7205	
MEAN RADIUS	:	1.1761	
MAX RADIUS	:	1.4629	
HORIZONTAL SPREAD	:	2.0380	
VERTICAL SPREAD	:	1.8180	
EXTREME SPREAD	:	2.7164	

NUMBER IN ONE INCH CIRCLE	=	0
NUMBER IN TWO INCH CIRCLE	=	1
NUMBER IN THREE INCH CIRCLE	=	3

PATTERN # : 2

NUMBER OF SHOTS	:	3	
MAXIMUM X & Y	:	-.965	-2.426
MINIMUM X & Y	:	.285	-.792
CENTROID X & Y	:	-1.514	-.335
POA TO CENTROID RAD:	:	1.5509	
MIN RADIUS	:	.7146	
MEAN RADIUS	:	.7863	
MAX RADIUS	:	.9261	
HORIZONTAL SPREAD	:	1.4610	
VERTICAL SPREAD	:	1.0770	
EXTREME SPREAD	:	1.4954	

NUMBER IN ONE INCH CIRCLE	=	0
NUMBER IN TWO INCH CIRCLE	=	3
NUMBER IN THREE INCH CIRCLE	=	3

PATTERN # : 3

NUMBER OF SHOTS	:	3	
MAXIMUM X & Y	:	-.137	-1.936
MINIMUM X & Y	:	1.914	-.841
CENTROID X & Y	:	-1.022	.781
POA TO CENTROID RAD:	:	1.2860	
MIN RADIUS	:	.4935	
MEAN RADIUS	:	1.2486	
MAX RADIUS	:	1.8145	
HORIZONTAL SPREAD	:	1.6990	
VERTICAL SPREAD	:	2.7550	
EXTREME SPREAD	:	3.2368	

NUMBER IN ONE INCH CIRCLE	=	1
NUMBER IN TWO INCH CIRCLE	=	1
NUMBER IN THREE INCH CIRCLE	=	2