

REMINGTON ARMS COMPANY, INC.
LONOKE, ARKANSAS

JANUARY 28, 1993

TO: T. C. DOUGLAS
FROM: V. F. SCARLATA *MS*
SUBJECT: PROGRESS REPORT, JANUARY, 1993

12 GA. .735 Pb. SLUG

All T-P's for this product have been completed. The only problem encountered was the need of a thicker PK1 wad in the SP12MRS.

The Product Center has signed off on the SP12RS and SP12SRS. The accuracy on all these products was well under 3" at 50 yards. The problems with the slug feed bowl were corrected by proper setup of the off-on detects.

The tools used to produce the .735" slugs are showing much greater life than the tools used to produce the old .690" slug. The larger diameter K.O. pin, lack of a deep H.P., thicker wall section and reduced bearing surface have all contributed to increased tool life.

As the slug tools are very expensive, there should be a nice cost savings associated with this project.

The SP12MRS requires a thicker PK1 wad because of deep slug below crimp. A quantity of .570" wads has been placed on order, and will be used for the next run of the 3" slugs.

The new SP12RS was tested for accuracy at 50 and 100 yards in a Rem R.C., I.C. barrel. W.W. 12 gauge slugs were used as a control. The test produced the following results:

	<u>50 yards</u>	<u>100 yards</u>
Rem	2.5"	7.5"
W.W.	3.0"	7.5"

12 Ga. Premier Slug

The experimental run of this product was completed without any major problems. The V-P and accuracy of the product produced was outstanding. The product was tested 20 times during the run, and produced an average accuracy of 2.8" at 100 yards.

The need for a slug stop to prevent slugs from feeding when another component was missing was noted. This is presently being made in our shop.

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There was no problem in feeding the components, and the machine produced an excellent-looking product.

The 4-cavity production mold has come on line, and a sample of Sabots will be tested shortly. We presently have approximately 20,000 Sabots on hand, and one slug vendor has been approved and should have 10,000 slugs completed this week.

The T-P run is scheduled for the week of February 8 with a run of 40,000.

Preliminary work on a 12 gauge 3" Sabot slug load has begun. Handloading results indicate that a velocity of 1550 fps in a 30" test barrel is possible. The accuracy results were mixed and a new filler wad will probably be needed.

The concept of a 20 gauge Sabot slug has started. The use of a 45-70 bullet for the projectile between 405 and 300 g would be possible. A second, more expensive option would be to scale down the present 12 gauge solid copper slug.

Suppressed Powder

Handloads indicate that there are no problems in the use of suppressed powder. Sample of the four powders involved, 375 - 378 - 380 and 381, should arrive by the middle of February. The cost to Remington would be \$.20 a pound, or \$25,000 a year.

16 Ga. Steel 15/16 Oz.

The steel wads for this product should be available by February 14.

New Steel Wads

All steel wads needed for the T-P of the 12 gauge 2 3/4 and 3" shells are presently available.

Large Size Steel Shot

No change from last month.

12 Ga. 3 1/2" Steel

The design of the steel wad has been completed and tested. The vendor has received product drawings of the wad and has completed design of the mold and tooling.

10 Ga. 3 1/2" Steel

No change from last month.

458 Win Mag 450 gr Swift

No change from last month.