

CENTER FIRE RIFLES

MODEL 725 BARRELS FOR CALIBER 244
(WEIGHT AND RIFLING)

Research & Development reports 75 and 90 grain bullets have been comparison tested in one-in-10" twist and one-in-12" twist barrels. Testing is not complete, however, since 105 grain ammunition suitable for accuracy test has not been received from the Ammunition Division.

Accuracy test results obtained with 75 and 90 grain bullets in the barrels of different twist were reported to the Committee. Results are summarized as follows -

	10" Twist (7 Guns)		12" Twist (6 Guns)	
	75 Gr.	90 Gr.	75 Gr.	90 Gr.
Average	2.10"	1.75"	1.54"	1.57"
Maximum	3.00"	2.50"	2.00"	1.90"
Minimum	.95"	1.35"	.90"	1.20"

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Research & Development commented that in comparison, 12" twist barrels show very little difference between 75 grain and 90 grain bullets in group size averages or extremes, while 10" twist barrels produce much poorer groups for both bullet weights, with groups becoming progressively poorer as bullet weight decreases.

In view of test results, Research & Development is not in favor of one-in-10" twist barrels for the 244 caliber.

It was further pointed out by Research & Development that 244 guns now in the field have one-in-12" twist barrels and will not stabilize the 105 grain bullet.

Problems of providing a lightweight 244 barrel for the Model 725 were discussed. The Committee was informed that installation of a lightweight barrel will require a corresponding new stock for the Model 725.

The Model 725 in 244 caliber has been announced for April delivery. Further delay in establishing barrel specifications will, therefore, affect scheduled delivery.

MODEL 725, CALIBER 222

Research & Development reports that pilot testing is complete and the product is considered satisfactory. The Plant reports that shipment of guns was authorized January 9, 1959.

The production schedule is as follows -

- January 1959 - 500
- February 1959 - As required by Sales

The Committee agreed that this item be dropped from the agenda.