Remington Arms Company Inc.
RESEARCH & DEVELOPMENT TECHNICAL CENTER
315 WEST RING ROAD
ELIZABETHTOWN, KY 42701

TLW 1012

- Rifle serial numbers
- Measurements of each barrel's groove listed by serial number
- Testers' Names
- TLW Number

TLW1012U -Measure Twist Rate:

Measure Twist Rate, 1 turn in 14.5". *(Ref: Remington Chamber Drawing E-EXP8261, rev. H Barrel.*

Method:
- Measure Twist Rate using standard procedures.

Data Required:
- Rifle serial numbers
- Measurements of each barrel's twist rate listed by serial number
- Testers' Names
- TLW Number

TLW1012V -Measure Weight of Rifle:

The overall weight of the rifle will be taken and recorded. The average weight of the 29 rifle sample and the weight's standard deviation for the 29 rifle sample will be calculated and recorded.

Method:
- The rifles will be weighed with the chamber empty and the magazine empty.
- Remove any scope bases/mounts or other accessories before weighing.
- Use the digital scale located in the Metrology Lab – Mettler Toledo SM34-K DeltaRange®, Ser. Num. 2115047651
- If not already on, turn digital scale on. (Note: if scale needs to be turned on, allow scale electronics to warm up approximately 15 minutes before use); zero-out the scale.
- Carefully place rifle on scale and round the readout to the nearest 0.01 lb.

Data Required:
- Rifle serial numbers
- Measurements of each rifle's weight (in lb.) listed by serial number
- The calculated average weight and the calculated standard deviation for the 29 rifle sample.
- Testers' Names
- TLW Number

TLW1012W –Inspect for Barrel Free-float:

All rifles in the sample will be checked for Barrel Free-float.

Method:
- Use a dollar bill; one that is fairly new and not wrinkled or torn.
- Loop the bill around the circumference of the barrel between the barrel and the stock.

J.R. Snedeker
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