

Recommended Items for .45 Caliber Extreme Smokless Muzzleloaders Loading & shooting items for bench or hunting

1. **RCBS Hand Priming tool** - (used to prime the brass Modules, same as loading a brass case with .473" Case Head).

<https://www.midwayusa.com/product/329291/rcbs-hand-priming-tool>

2. **RCBS Shell Holder** - for Brass Modules for your press and/or the RCBS Hand Held Priming Tool. RCBS Shell Holder #3

<https://www.midwayusa.com/product/326468/rcbs-shellholder-3-308-winchester-30-06-springfield-45-acp>

3. **Lee Hand Press Kit**- for sizing your .45 Caliber Bullets (SWEDGER) or to "size your bullets to the bore" -- You can use your bench press or this portable for convenience loading at the range or if you do not want to invest in a full reloading press that is bench mounted.

<https://www.midwayusa.com/product/650614/lee-breech-lock-hand-press-kit>

(need this if you do not have a bench loading press, we recommend the hand press for portability) otherwise LEE or RCBS Rockchucker is the best to use.

4. **Primers** - we recommend for the Modules are Federal 215 Gold Match Magnum Primers for all weather performance, or CCI 250 Magnum Primers.

<https://www.midwayusa.com/product/953184351/federal-premium-gold-medal-large-rifle-magnum-match-215m-primers>

5. **Best Powder** - for both Sabot-based bullets and NON-Sabot Bullets

<https://www.midwayusa.com/product/1009135435/hodgdon-h4198-smokeless-gun-powder> H4198, N120 and H4895 are 3 best powders for XML use

6. **Best Bullet** - for use when you wish to shoot sabots (.45 caliber)

<https://www.midwayusa.com/product/1002232695/hornady-muzzleloading-bullets-low-drag-super-shock-tip-sst-box-of-20>

7. **Pittman AEROMax .45 Caliber for NON-Sabot based** shooting (requires swedger) the SWINGLOCK or **we can supply the sizer at our cost of \$175 ****

<https://www.pittmanbullets.com/>

8. **RCBS Manual Powder Scale** - If you do not have a digital scale the manual scale is very accurate to use as well.

<https://www.midwayusa.com/product/232621/rcbs-m500-balance-beam-mechanical-powder-scale-505-grain-capacity>

9. **Powder vials** - choose best for your application (we use the below):

<http://www.royalcs.com/vials/>

<https://www.buffaloarms.com/mtm-25-round-3-20-gauge-red-ammo-box-mtms252030> - case for powder vials

Other Powder vials (we use for BP or Smokeless powder for the range or hunting) - these are glass and non-static. Best ones we found for both BP and smokeless powder pre-measured powders.

<https://www.buffaloarms.com/water-proof-glass-vials-for-black-powder-muzzleloaders-pvc2>

The Vials allow you to pre-measure smokeless powder by weight, **NOT by Volume** like you do Black Powder I typically recommend 20-25 vials to start.

Measure prior to heading to the range or hunting and carry vials and bullets with the primed modules in your "Possible Bag" - Your loading bag or pouch should contain pre-sized (swedged) bullets, bullets with sabots, pre-measured powder charges, primed ignition modules.

**** We can supply a .45 Caliber Bullet Swedger for \$175 or many customers choose also the bullet sizer for .45 caliber bullets from SwingLock**

<http://www.swinglock.net/>

Recommended Loads: (follow these loads with safety in mind!!!)

Simple, use H4198 Smokeless Powder (NOT H4895)

For 200-270 Grain .45 Caliber with Sabots use the following load

Load for Sabot-bullets use 62.5 grains of Hodgdon H4198 Smokeless to be used with bullets 200 grains to 250 grains in a plastic sabot

Powder N120 VV (when you can find it) use 60-62 grains for sabot-based shooting 200-250 or 280 grain bullets.

The Pittman bullets (without sabots) and once swedged can take up to 73-78 grains of H4198 powder (without sabot) --

Parker and Pittman Bullets for NON-Sabot Shooting is highly recommend for extreme long range and accuracy.

Pittman 300-325 are the absolute best but must be sized for your bore using the bullet smooth sizer. H4895 is also a good powder and for the 300+ grain bullets and above you can use charges up to 88.9 grains working up to max. 97.5 grains.

Notes:

If you shoot Pittman 275 Grain without sabots use H4198 at 76 to 78 grain by weight of powder for excellent accuracy and speed. 101.0 Grains of H4895 with the 325 Grain Pittman AeroMax is highest and most accurate speed. Must use .45 Caliber Smooth Swedger.

Additional Notes: ** SAFETY NOTES **

Always check to remember you do not double load or leave your RAMROD in your barrel when you are shooting.

Also air-space between powder and bullet can be dangerous not just non-performing. Make sure to mark "witness marks" on your ramrods, both those supplied and range rods you use.

Our barrels are proofed for over charges x2, but we are not responsible for neglect of a duplex or double load, air space or leaving the ramrod or other obstructions in your barrel.

We are NOT responsible for neglect. Shooting Muzzleloaders is a very safe sport and very safe rifles as strong or stronger than most production center fire rifles but keep in mind a duplex, double-charge or loading over the above specified charges can result in a dangerous event that can hurt or kill you. Keep safety in mind 100% of the time. If you have any questions please do not hesitate to contact me directly at 731-607-6527 or 833-AIM-FIRE, 833-246-3473.

