



Manufacturing the World's Finest Revolvers

October 3, 2005

Introducing the .500 Wyoming Express

The .500 Wyoming Express (.500WE) is the result of several years of considerable effort, design evolution, testing and finally success. We believe history may show this to be the best 50 caliber revolver cartridge ever developed. We deeply appreciate our customers input on a Freedom Arms 50 caliber and trust it will meet your expectations.

The .500WE is a proprietary cartridge of Freedom Arms which uses an old idea in a new way. That is, we use a belted cartridge case in a revolver. So why a belted case instead of a rimmed case? I want to say just cause, but I am sure that won't satisfy anyone, so here are some of the reasons. First, we wanted to use a design that would fit into our Model 83 which has been proven over the years to be extremely strong, dependable, durable, reliable and portable. Second, if we used a rimmed cartridge, and we did test this, the rim would need to be so small that it could create problems for the case manufacturer which could lead to headspacing problems. Third, a belt is formed when the case is headed so the size and shape of the belt would be more consistent than a machined rim. Fourth, the belt could add some strength to the case head and side wall.

Next we considered what bullet weights we felt were appropriate for this combination of cartridge and revolver and what velocities we wanted to achieve. Of course, pressures figured in at this point. By matching the powder column length, powder volume and bullet diameter to the range of bullet weights, velocity range and expected pressure levels, we came up with a cartridge that would give sufficient power in a portable package. On top of that our customers will get a reasonable life expectancy from the revolver.

So what does sufficient power in a portable package mean. Sufficient power means it has enough power to reliably take any game animal as long as the person shooting does his part. Portable package means the gun is light enough to be carried all day but heavy enough to help absorb some of the recoil.

Depending on the cartridge loading, shooting the .500WE in the Model 83 ranges from pure pleasure to recoil that should only be attempted by highly experienced big bore shooters. Even experienced big bore shooters should start with the low velocity loads, and then work their way up in velocity to find their comfort level. In other words, keep it something you look forward to shooting.

As always, keep the shooting sports safe. Please read your Model 83 Instruction Manual to learn the proper and safe use of the revolver. Be Safe, always keep an empty chamber under the firing pin of your revolver. Even if you don't intend to reload, please read the .500 Wyoming Express Data Sheet. The more you learn about the revolver and cartridge, the better your shooting skills will be.

Sincerely
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