

April 15, 2009



Hyskore
Attn:
193 West Hills Road
Huntington Station, N.Y. 11746

After our conversation and the first set up of the "Hyskore Dangerous Game Machine Rest," the enclosed information sheet is for your interest and use. A second range set up is being scheduled and the observations / results will be forwarded to you.

Sincerely,

A handwritten signature in blue ink, appearing to read "M. E. Moore".

Martin E. Moore, Executive Director
FIELD TESTERS, USA

MM/cbm

• INDEPENDENT FIELD TESTERS OF QUALITY SPORTING EQUIPMENT •

MARTIN E. MOORE
• EXECUTIVE DIRECTOR •
P.O. BOX 390 • SOUTHPORT, MAINE 04576
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BRAND,
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100 YDS - 7.23.09
74° F. 20.95 B.P.
3/8" GROUP

Shot off Bench w/ Sand Bag -
By My Best Field Tester C. Trappier.

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DANGEROUS GAME MACHINE REST SET UP & REFINEMENT

After the initial trial set up and preliminary use at the range using our sponsored 204 Ruger with proven in house Sierra hand loads and 6.5x20 Leupold tactical mill dot 30 MM scope, the following adjustments were made at Field Testers, USA.

OBSERVATION: 1/8" of free play in windage travel threaded rod

ACTION TAKEN: Tighten tolerance in windage both right and left adjustment knobs/ nuts

OBSERVATION: 1/8" of left to right movement on the "leveling cross bar"

ACTION TAKEN: When leveling, the vertical treaded rods on right and left should be screwed or out in a position that is both level and tight.

OBSERVATION: 1/4" lateral movement at rear of unit lower bar just below the "fine tuning elevation knob"

ACTION TAKEN: Place and screw into bench a wood block on each side of bar to eliminate lateral movement

OBSERVATION: Possible torque to rifle due to pressure of electronic trigger release

ACTION TAKEN: Move trigger release unit close as possible to rifle recommended by Ted W.

OBSERVATION: Scope parallax out of adjustment

ACTION TAKEN: Due to the high power optics and the fact that the rifle was not "shouldered" when sighted on the target @ 100 yards the viewing eye position of our operator was not consistent between rounds due to the fact he did not touch or rest his cheek on the rifle once the Hyskore unit was fine tuned. Action to be taken is pending.

OBSERVATION: The function of the electronic trigger release worked fine. However; we wondered if the simple hydraulic system would be better

ACTION TAKEN: The hydraulic system was installed and will be used on the 2nd set up at the range

SUMMARY: All indications are that the Hyskore dangerous game machine rest will be capable to maintain sub 1/2 M.O.A. with Field Testers, USA's 1/2" M.O.A.'s proven rifles and hand loaded ammunition. Our goal is to simply take the human error out of the equation yet maintain field conditions. We are confident this machine rest will qualify to be used in our "True Drop Table" [T.D.T.] field test.

Field Testers USA -

[Signature] 4/1/09

<http://allaboutshooting.com/index.php>
Hyskore Dangerous Game Machine Rest by Clark Bush
Product Test: Hyskore Dangerous Game Machine Rest
Hyskore
193 West Hills Road
Huntington Station, NY 11746
631.673.5975
<http://www.hyskore.com/>

The effects of recoil on the human body are little understood and not often discussed in depth in any shooting publications. We may hear a comment here or there about how a certain firearm really rocked the shooter or when a new recoil pad hits the market, we may hear how much better it is than anything else that's on the market. Maybe we don't want to discuss the effects of recoil too much because we think it will scare away new shooters or discourage older shooters from going back to the range. Whatever the reason, recoil is real and its effects are real.

Sighting in a new rifle or shotgun at the bench can subject us to all the forces of recoil as we lean into the gun, concentrate on the sight picture and trigger squeeze. If we're not careful, it's easy to develop a flinch that will effect all of our shooting. Okay, we all realize that but what's the alternative?

Sand bags, thick recoil pads and devices that use weight to hold the gun in place are all familiar to us and all of them have drawbacks.

Some shooters have noted that guns don't pattern the same at the bench as they do in their normal shooting position. Some have reported problems with scopes being damaged when using weight to hold the gun steady. Is there an alternative? The folks at Hyskore believe there is.

What if you had a way to hold your gun steady but allow the forces of recoil to be expended naturally. What if you could press the trigger without upsetting the sight picture? What if you could repeat this action time after time and sight in that hard-kicking big game rife, slug gun or turkey gun and have it ready for the hunt without getting "gunny"? The video at <http://www.hyskore.com/> seems to indicate that all these things are possible but how does that work in the real world?

A call to Hyskore and the Dangerous Game Machine Rest (DGMR) was on its way to <http://www.allaboutshooting.com/> for testing and evaluation.

I don't know how you feel when big boxes show up at your place but here it's a combination of excitement and then dread. I'm excited about getting a new product but frankly dread putting it together. The big box from Hyskore brought forth both those feelings. Imagine my relief when I opened the box to discover that just a few parts had to be installed and only a few bolts and nuts torqued to have the DGMR ready for the shooting bench.

This is one impressive looking rest! It uses a couple of Velcro straps, some dense foam, a "V" notch front support and a rear "vice" to support and hold the gun in place. Most impressive are the nitrogen filled dampers that allow the gun to recoil normally when it's fired and thus avoid any damage to any of the parts of the firearm. When you fire the gun you can actually watch it recoil and return to battery but more about this just a little later.

An instruction/assembly booklet is included with the DGMR. It's nothing too fancy but generally does the job. (My copy had some of the wording on page 2 cut off and that made reading it a bit confusing at first.) There is however enough redundancy in the booklet and referrals to the web site for more information, to provide ample instructions for the minimal assembly needed.

The booklet points out that selection of the proper damper is important to protect your firearm and allow the proper recoil movement. Various cartridges, bullet weights, muzzle velocities and gun weights are listed with the proper damper to be used for each. Unfortunately, there's only 1 shotgun reference and that is for a 12 gauge slug gun. I don't really see this a problem since by looking at the other guns listed, with various weights, etc. it's pretty easy to see where your shotgun fits and to select the proper damper.

There's also a section about building your own shooting bench platform, should one be needed, as well as thoughts on accuracy. All in all, the booklet is well done.

Okay, so how's this thing work and what can it do for me? My first trip to the range with the DGMR required me to take my battery powered drill, a couple of hanger bolts and 2 connector nuts, to secure the rest to my bench. (Since my bench is exposed to the elements, I wanted to be able to easily install and remove it. The hanger bolts are screwed into the bench and the connector bolts allow easy hand-tight installation of the DGMR to the bench.) That took just a few minutes, following directions in the booklet and I was pretty much ready to shoot my first shells.

Installation of the Hydraulic Trigger Release is a bit trial and error but by following the instructions, I was pretty close to where I needed to be for my first gun.

This DGMR provides almost infinite adjustments for elevation and windage. There are both coarse and fine adjustments that allow you to really fine tune your sight picture. I found that to be very helpful, especially with the first gun that I tried.

I always want to try what I perceive to be the most difficult gun first. I picked a Remington 870 shotgun as my first test. The challenge obviously is that you need to reset the gun after each shot due to the action of loading and ejecting the spent shell. How much trouble would that be?

The initial adjustments for elevation, windage and cant took just a couple of minutes, as did the fine adjustment of the trigger release. After verifying the sight picture one last time, I began to squeeze the trigger release. I have to comment here that using the remote trigger release is just like pressing the trigger on any firearm. You use the same gentle pressure and you should be a bit surprised when the gun goes off. I was!

When shooting a "pump gun", it's necessary to loosen the forward Velcro strap, to activate the slide and eject the spent round. That means that you may need to fine tune the adjustments prior to firing your next round. Once you get into the routine and position the gun within the "V" notch with the same force each time, adjustments become less and less necessary.

Next, I shot a Remington 11-87, self-loader. A one time installation, checking my adjustments and I was able to fire 10 rounds without removing or adjusting the gun. This was almost too easy! An added benefit was that each time I fired the gun using the remote trigger release, I gained a better feel for its operation.

Observations

The Hyskore Dangerous Game Machine Rest functions as advertised to eliminate the effects of recoil from being passed along to the shooter. The remote trigger release allows the gun to remain undisturbed when the trigger is activated and when used properly, allows a very smooth and consistent pull.

This is a pretty sophisticated product that allows a shooter to use a number of different guns by (perhaps) changing the damper and making a few fairly minor adjustments. It comes with all major items assembled and the remaining ones are easily accomplished using common shop tools.

It's an impressive looking piece of merchandise. The construction is excellent and it's very well finished. The combination of the instruction/assembly booklet with access to the Internet site, helps resolve any questions that might be encountered in initial assembly and use. (I also consulted with a current user and took some tips from him about bench installation using the hanger bolts and connector nuts.)

Conclusions

This is a high quality product in every way that I know how to judge one. It has a retail price of \$249.95 which is quite reasonable when compared to other products with a similar purpose.

The remote trigger release and nitrogen filled dampers add features not available on other products that I've seen or tried and based upon my tests, are meaningful and work as well as or better than advertised.

My goals in testing the DGMR were pretty straight-forward. I wanted to see just how complicated this product was to use, how effectively it reduced recoil, if there was any damage to the gun from using it and if I could duplicate the pattern results that I'd seen when firing these guns from my shoulder.

I have owned the 2 guns that I used to test this rest for many years. I've fired hundred and hundreds of shells through them of many types with many different chokes. For these tests I used SSX turkey chokes and Winchester Xtended Range High-Density shotshells. These are high velocity shotshells that are known to have a pretty good kick. I also know just how that combination patterns when fired from my shoulder.

In both cases with these 2 guns, my POA/POI duplicated the results that I get when I fire these guns from my shoulder. Patterns were compared to those that I'd previously shot from my shoulder and evenness and density were as similar to those as I'd expect to see when shooting these shells. They may frankly have been just a bit better centered and I attribute that to the lack of getting "gunny" after firing a number of these "robust" shotshells. It's also very easy to control trigger pull with the remote release.

I spent the better part of one day shooting 3" turkey shells (greatly reducing my stash) through these 2 guns using the DGMR. I watched the gun recoil and the action of the nitrogen-filled dampers as they absorbed the effects.

After the shooting sessions, I cleaned each gun and inspected it carefully for any visible damage. I could see none and everything worked as it should. I would feel comfortable using this rest with any guns that I own.

Once you've performed the initial set-up and installation, the DGMR is simple to use and operate. It's important to have a sturdy bench that does not move and to be certain that the "bench grip" is firmly situated against the front of your bench.

If your bench, like mine, is exposed to the weather, I'd suggest that you consider using hanger bolts and connector nuts for installation. It just makes it easier and quicker to install and remove.

I also recommend that you take some time to familiarize yourself with all the components of the DGMR, read the instruction/assembly booklet and visit the web site before you begin installation and before you shoot.

This is a sturdy product but could be damaged by dropping it. If I were going to carry it to various locations, I'd build a carrier that would hold it and protect it from inadvertent damage in transportation.

The Dangerous Game Machine Rest did all that it was advertised to do. If you're in the market for a rest to sight-in your rifle or shotgun, without having to experience the unpleasant effects of harsh recoil, I'd recommend that you consider the DGMR.

You can read more about the DGMR at <http://www.hyskore.com/>

To read more field test reports, please visit <http://www.allaboutshooting.com/>

This article was published on Friday 24 July, 2009.

Hyskore Dangerous Game™ Machine Rest



CLICK PHOTOS TO SEE ENLARGEMENTS

Recoil makes cowards of us all. Knowing you're about to get hammered by a heavy-caliber rifle may have more to do with missed shots than anything. After all, most dangerous game rifles are fired at relatively short ranges into impressively large targets. Lots of professional hunters will tell you (privately) that lots of clients visibly flinch – and miss, sometimes badly, when shooting big-game rifles.

Hyskore has come up with an ingenious machine rest that turns even the largest blaster into a manageable weapon, enabling you to check your scope or sight alignment without leaving a major contusion on your shoulder.

Their new Dangerous Game Machine Rest will handle any centerfire rifle from a .223 to a .416 Rigby without damaging your weapon – or your shoulder. This rock-solid rest means you can actually fine-tune your rifle/scope combination with ease – and accuracy.

The Hyskore handles recoil via a graduated set of compression dampers – think shock absorbers – geared for a range of calibers. The #1 (Mild) can handle .223 Rem through .308 Win with ease. #2 (Medium) moves you into the heavier calibers – from 7mm Rem Mag to the 375 H&H – a standard African "big game gun." Damper #3 (Heavy) moves into the realm of great big game guns, handling .338 RUM through the frighteningly-powerful 416 Weatherby.



In damper #3 we're talking big bullets moving *fast*.

A 416 Weatherby fires a 400 grain bullet with a 2570 FPS muzzle velocity. That produces prodigious recoil – from 80 foot pounds in a nine-pound rifle to a clavicle-crunching 102 foot pounds in a 7-pound gun.

In other words, a flinch is virtually guaranteed if you're firing multiple rounds at the range. Flinch means you can't get your rifle/scope zeroed. That means misses.

With the Hyskore Dangerous Game Rest, however, you have the ability to tame the recoil and fine-tune your scope/rifle combination without punishing yourself or your rifle.



To test our Hyskore unit, we went to our local range armed with the largest rifle in our arsenal – a pre '64 Remington 700 chambered in .375 H&H. In addition to being a staple of African game rifles, this beauty is also one of our prized possessions. We had no interest in seeing this beautiful piece of machinery damaged by being wedged into a vice-like shooting contraption.

That was a baseless concern with the Hyskore. Rifles are mounted via an ingenious – and generously padded butt mount, "V" barrel rest at the front and into a couple of Velcro restraining straps along the center of the rest. When securely strapped in, the rifle is resting firmly – but on non-abrasive surfaces.

After mounting, you simply adjust the fine-tuning knobs for windage and elevation and you're nearly ready to fire.

Don't worry about your tendency to "yank" the trigger on your big gun, the Hyskore has that handled, too. This rest uses an optional infrared firing mechanism. It's inserted into the trigger guard and adjusted as you're mounting your rifle. Just give it a couple of dry-fires to make certain it's adjusted properly and when you're ready to fire, you just push the button and the rifle fires with consistent trigger pressure every time.

As you can imagine, this rest is dealing with a bunch of forces working against each other, so it's crucial that you get the rest securely mounted to your shooting bench.

If it's your own bench, you can simply bolt the unit down. If you're using a bench at a public facility (like us) consider building the Hyskore-suggested shooting bench platform. It's a fairly simple process, and instructions for assembling and operating the bench include the bill of materials and detailed instructions on how to build a wooden platform.

It's a straightforward procedure and results in a very nice – and highly portable base – that allows you to take the dangerous game rest to any range or shooting facility. If you shoot at different ranges, consider permanently attaching your rest to the base and taking the whole unit to your shooting destination.

When you arrive, simply "C" clamp the entire unit to any bench – including concrete ones – and you're ready to shoot.



One word of caution: if you're using the dangerous game rest, and are tempted to fire your rifle with the remote firing control while you're looking through the scope at the target: DON'T!

Recoil is a function of the action-reaction created as the bullet moves forward in the barrel and the gas exits the muzzle. It's the "rocket effect", and it's managed by the Hyskore rest's damper system allowing the rifle to travel precisely to the rear and back during firing like an artillery piece.

When a 30-06 a rifle is fired in the rest, there's as much as 1-1/2 – 2 inches of very rapid – and powerful – rearward travel. If you're looking through the scope, a nasty cut might be the very least injury you could expect. If you're looking through the scope with a .357 H&H you might not see anything for several minutes.

As the accompanying documentation warns: "if you do something dumb, bad things can happen."

If you pay attention to the instructions, however, you'll find that you won't have to subject yourself to the pounding of your big-game rifle in order to make certain it's right on target.

We followed the clearly-written directions carefully and were rewarded with nothing but resounding clangs as our rounds punished a 100-yard steel target every round after we fine-adjusted our scope.

Like any device that's built to take a pounding, it's advisable to check all the mounting straps and adjustment bolts after a few shots. We didn't have any problems, with that, but realized we had a tendency to shoot rounds too-fast through the rifle.

That's gratifying, and impressive, but not good for your rifle. No big-game rifle is designed for high-volume rapid-fire.

Go slow, allow your rifle to cool between rounds, and you'll find that your big game rifle is considerably more accurate than you'd ever imagine.

Knowing that – without having bruised your ego or your shooting shoulder will mean you're going to shoot it more accurately when you're afield on your dream hunt.

Suggested Retail Price: \$249

[More Info at HySkore Website](#)

[Buy It at Midway USA](#)

(\$204)