



## **On Target Analytics**

What you NEED to know...even if it hurts.

**For Immediate Release: HIPERFIRE - EDT - Enhanced Duty Trigger.**

Where to start...

"It's New...Innovative... Better...Faster...Stronger..."

These are the things I hear from manufacturers about their products. It doesn't matter if it is straight from the horse's mouth or from their advertisements, blogs, Facebook pages... Their product is the next best thing... it always is...

Let's be honest - Everyone is trying to build a better mouse trap. The problem is...most improvements don't actually improve anything.

In many cases there is a cosmetic redesign of an existing concept - ergonomics and looks may have improved - but functionally it is exactly the same.

I spend a great deal of time working with the AR15 platform. AR's are the Barbie Dolls of the gun world. There are 30+ different replacement parts for every component on the rifle. There are 1000's of different accessories. I can say, in all sincerity, that many - but not all - "innovative" parts aren't.

I want to tell you about one of the few that is...and why.

The Hiperfire EDT (Enhanced Duty Trigger) is one product that has taken the higher path.

Hiperfire is a name typically associated with precision and 3-Gun shooting...Fast and accurate... Hiperfire sent the shooting community back to the drawing board re-examining how a trigger should perform with their awesome Hipertouch 24 series triggers. Light, crisp, glass rod breaks are the key words here...that and fast!

The Hiperfire EDT is something different than the Hipertouch 24 series.

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The EDT is a redesign of what would normally be a Mil-Spec trigger. As per my rant above... "Oh no... another 'improved' Mil-Spec trigger". But to the credit of the Hiperfire EDT...it is improved - by a lot - and here is how.

First we need to identify the problem:

A standard Mil-Spec trigger is "creepy, mushy, gritty". The trigger breaks inconsistently and has too much over travel for any longer range accuracy potential. Often trigger pulls are in the 7-12 lb. range, even with extended use. This is the type of trigger typically supplied with an off the shelf OEM rifle, duty weapon or weapon off the armory wall. Honestly, they are functional, but crap.

Competition triggers provide excellent pulls - but - they are not appropriate for Military, law enforcement or even home defense. The trigger pulls are too light for high stress and highly volatile environments.

The solution:

The Hiperfire EDT.

Here is what Hiperfire hoped to achieve with the EDT trigger:

**The EDT was designed for the broader high performance shooting market typified by three segments that taken together, demand a unique suite of features at more pedestrian pricing. Those segments are: Law Enforcement, NRA type long range competition shooting, and the multi purpose sport, hunting, and home defense rifle. All these segments have one trigger specification in common: a minimum pull weight of 4½ lbs. The EDT meets that specification and more.**

The EDT is a huge improvement over a standard Mil-Spec trigger. The EDT trigger provides performance near that of a competition trigger and security and reliability of a Mil-Spec trigger. The EDT provides an extremely crisp break with a minimum of take up, over travel and an extremely positive reset. It is also user adjustable, via different weight hammer springs, providing additional versatility to the EDT trigger.

The EDT looks very similar to a standard Mil-Spec trigger. There aren't any "new" parts added. Nothing is taken away either. The differences are in the design changes - improvements - made to each component part of the trigger.

Let's start with the hammer.

The hammer shape has been re-contoured. The shape is somewhere between a stock hammer and a competition enhanced hammer. The tell tale hook at the top of the hammer has been eliminated. This reduces the center of gravity for the hammer and allows for a faster lock up times.

To insure that the hammer has ample energy the Hiperfire EDT comes with two sets of high power hammer springs. One is set to provide a 4-3/4+ pound trigger pull and the other 5-3/4+ pounds. Both springs are higher power than standard Mil-Spec springs. The springs are installed just like a regular hammer spring with no fitting required. To change the pull weight - simply switch out the spring and you are good to go.

It should be noted - the "+" sign behind the weights are to imply that even after repeated firing the trigger pull weights will remain above the minimum weights. It is not to imply that the weights are randomly above the suggested weight - In fact, I found them to be right on. If anything - the whole system will "feel" lighter the more it is used due to surface friction reduction on the parts.

The trigger for the EDT looks very similar to a standard Mil-Spec trigger - until you look closely. There are several important differences - design improvements - that aid in trigger pull, reliability and functionality of the trigger system as a whole.

The first thing to note is the engagement surface with the hammer spur has been reduced by roughly 2/3's. This change allows a very positive engagement without risk of unwanted hammer drop, yet allows for an extremely smooth, crisp trigger pull, as the surface area where the hammer/trigger meet have been greatly reduced. The trigger reset is extremely positive and is confirmed with an audible "click".

The second change that stands out with the trigger is the fact that part of it has been hollowed out. The Mil-Spec disconnecter slot is milled out creating a cavity. The EDT's disconnecter slot is milled through. The reasoning behind this change is to enhance functionality in a dirty, dusty, environment. The change allows dirt and grime to exit the trigger/disconnector assembly; thus preventing dirt from accumulating under the disconnecter and potentially causing a reliability issue. The trigger/disconnector are now self cleaning!

The third major change to the trigger is the removal of part of the triggers rear portion that extends into the receiver. Hiperfire explained the reason for this change:

**This will minimize the chances of blown primers, small rocks that get blown through the ejection port when shooting prone, etc. that caught in between the two from preventing the rear of the trigger to drop during let off that would otherwise prevent hammer reset (learned the need for this from 3-Gunners who've experience this problem).**

The three changes to the trigger alone are enough to warrant patents for the EDT trigger system, and knowing the vast amount of R/D and live fire testing performed on the EDT trigger I am positive that the EDT trigger is built to perform admirably in the worst of conditions.

Installation is a breeze with the trigger pin guide which is provided with the EDT kit. If you can install a Mil-Spec trigger you will feel right at home with this trigger kit. If putting things together is not your forte, Hiperfire also provides excellent, full color

instructions with detailed illustrations to guide you through the entire process. It is nice that the safety does not need to be removed to install the EDT trigger. The whole installation shouldn't take but five minutes!

It should be said - all Hiperfire products are investment cast, heat treated and precision machined out of top quality materials. Parts are blemish free with no tool marks. The surfaces are nicely polished and the protective coatings evenly applied. Springs are top quality and color coded to insure users install the desired pull weight. There is nothing to be desired with the fit and finish of the Hiperfire EDT.

Shooting with the Hiperfire EDT is a joy. The trigger take up is smooth. The break is close to a match trigger with zero stacking or grit. Over travel is not noticeable. It is possible to make fast, accurate shots on distant targets without issue. It is funny, the trigger moves quite a bit to get the hammer to release, the reset is the same distance - yet, when firing the EDT trigger it seems like there is very little movement. In many ways, it seems like the trigger pull is minimal distance with a longer trigger reset. This is not possible...but that is the way the trigger feels.

The other thing to note - the trigger pull weight - is not an issue on either weight setting. The pull weight is secondary to the smooth, clean, break. The trigger does not feel heavy.

I have tried many different "enhanced" triggers - honestly, most aren't worth the money. A "better" Mil-Spec trigger is still a Mil-Spec trigger - mushy and gritty with a lot of take up, an imprecise trigger break and a lot of over travel. The EDT avoids these issues. Is it a competition trigger? - no - but it is not supposed to be. It does come close on a fair number of counts though!

The Hiperfire EDT is a huge advance in trigger technology. It has taken a tried and true trigger system and enhanced it for performance, reliability and durability. At a suggested retail price of \$89 the EDT is a bargain for the performance. The EDT would be a great option for those seeking to improve the performance of a stock OEM rifle, duty weapon, home defense weapon or a ranch type rifle that will be hitting the road with you day in and day out. This trigger would also be great for high power rifle competitions where there is a minimum trigger pull weight requirement (CMP matches, etc).

Hiperfire products are designed and built in the USA by Americans!

The Hiperfire EDT can be found on the Hiperfire website:

<http://www.hiperfire.com/hipertouchedt.html>