



UTKTM

ULTRA-TAMPING KIT

A REVOLUTION IN EXPLOSIVE BREACHING



YOUSEF SANSOUR

After the tragic events of September 11, 2001, Yousef Sansour began working with various US government agencies in a counterterrorism role (CT). These organizations included the FBI, Department of Homeland Security, United States Secret Service, and the Department of Defense. These highly specialized missions saw Sansour in six of the seven continents. During his time abroad, Sansour dedicated himself to the defense of the US in a CT role. As the founder of Esoteric, he has provided training to military and law enforcement agencies across the world. These agencies include, but are not limited to, the FBI, DEA, CIA, Department of Homeland Security, United States Secret Service, US Marshals, US Army, and the US Navy, just to name a few. Sansour also has more than 28 years of SWAT experience with a local law enforcement agency.

Yousef has over 20 years of explosive breaching experience, is the inventor/ developer of UTK products and currently holds 5 patents for explosive breaching specific products.

TAMPING

UTK
ULTRA-TAMPING KIT

WHAT IS TAMPING?

The purpose of tamping is to effectively contain and distribute explosive energy in the blast hole. If tamping is not used, a great deal of blast energy is lost, resulting in a poor blast.

WHY TAMP?

Tamping increases the effectiveness of the charge while reducing its net explosive weight. This has several positive effects, such as the reduction of overpressure, the reduction in possible damage to the surrounding area of the charge, and the reduction of the minimum safe distance (MSD) to the charge, just to name a few.



Traditionally, most tamping is done using water bags, IV bags, and cryo-packs. The aforementioned methods are effective; however, they have several limitations. Water is heavy, and when used as a tamping agent, the charge becomes heavy, as well as difficult to handle and transport. Furthermore, this added weight and size make the charge more difficult to place, and on many occasions, it requires special adhesives and/or a prop stick to hold the charge in place. All of this added construction increases the amount of shrapnel and the possibility of injury and property damage. Once a water charge has been detonated, water tends to cover the breach point, creating a major slip hazard. Lastly, in cold weather conditions, water will freeze and, therefore, can't be used as a tamping agent.

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DATA COMPARISON

C1 Foam Filled Metal Door	Pushing Charge	N.E.W.	MSD
Untamped	Hinge Side Attack	700 grain / 0.166 TNT	9.89' ~ 10'
Hydrogel	Hinge Side Attack	350 grain / 0.083 TNT	7.85' ~ 8'
Water	Hinge Side Attack	252 grain / 0.059 TNT	7'
Firehose	Hinge Side Attack	252 grain / 0.059 TNT	7'
UTK	Hinge Side Attack	195 grain / 0.046 TNT	6.44' ~ 7'

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OUR VALUES

UTK™ as a company is concerned with the health and wellbeing of the operators and the community in which we serve. Our products are designed to be innovative, utilitarian, functional, built by breachers for breachers and we understand that these are mission critical tools where failure is not an option.

With over 20 years of operational experience, we have seen how explosive breaching can negatively impact the breacher's health due to TBI's and other issues related to regular exposure to blast overpressure.

UTK™ was born out of the desire to reduce the operator's exposure to overpressure while maintaining the effectiveness of the charge.



EDUCATION

UTKTM provides a hands-on experience for breachers in all demos. We want breachers to experience first-hand how easy it can be to build and deploy a *UTKTM* charge. We also provide three day training courses specific to explosive breaching and have trained breaching teams for law enforcement, special operations and military worldwide.

*Photo taken at LA SWAT headquarters during *UTKTM* demo.

UTKTM
ULTRA-TAMPING KIT

**INNOVATION.
IT'S WHAT
WE DO.**

UTKTM

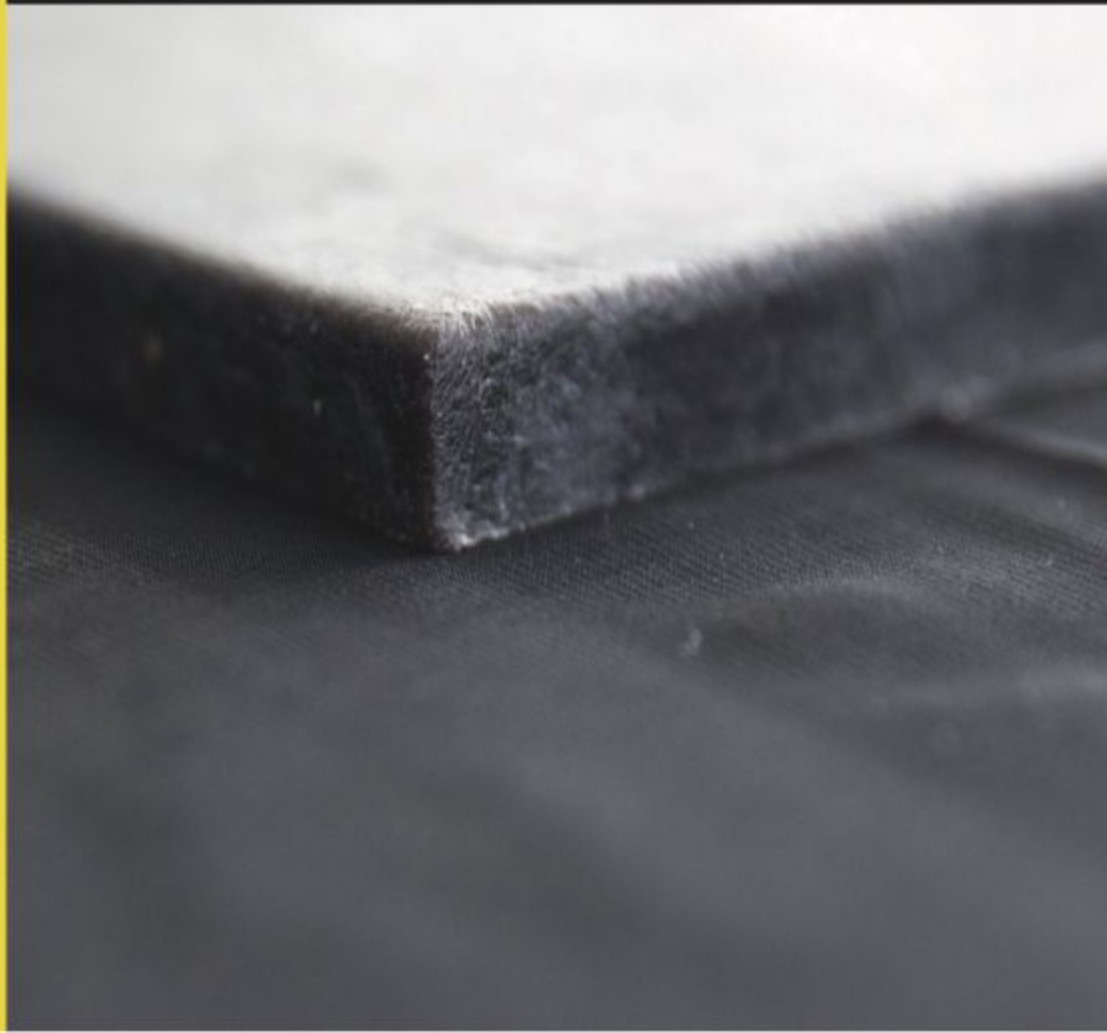
ULTRA-TAMPING KIT

WHAT IS *UTK*TM GEL?

This tamping gel was designed from the ground up with explosive breaching in mind. The goal was to produce a medium that would replace traditional tamping agents.

- ***UTK*TM** Gel is lightweight with minimal fragmentation.
- Non-hazardous certified skin safe
29CFR19101200OSHA.
- Stable in -65°f to 450°f (-19°c to 232°c)
- Flexible to build a variety of charges to meet operational needs.
- Available in 12" x 12" x ½" OR 12" x 24" x ½"
- Can be custom sized.

GEL



PATENT-PENDING TECHNOLOGY

UTKTM Gel is an extremely effective tamping agent that will not melt in high temperatures, will not harden or freeze in low temperatures, nor will it melt in wet conditions. Breachers are no longer limited by commercially prefabricated charges. With **UTKTM** Gel, they have the flexibility to build their own.

UTKTM Gel is highly stable and does not require any backing material for charge construction, thus reducing the amount of fragmentation.



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DEPLOYMENT OPTIONS

- Pushing
- Blasting
- Through-wall
- Roof charges
- Works well with det cord and detasheet

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CHARGE

- Ply-wood & sheetrock
- 6', 50 grain det cord
- MSD 8'
- NEW 300



POST DEPLOYMENT

FRONT SIDE PORT = 8.5" X
12"





TK
PUMP KIT



POST DEPLOYMENT

REAR SIDE PORT = 8.5" X 12"
SHEETROCK AND WOOD

UTKTM

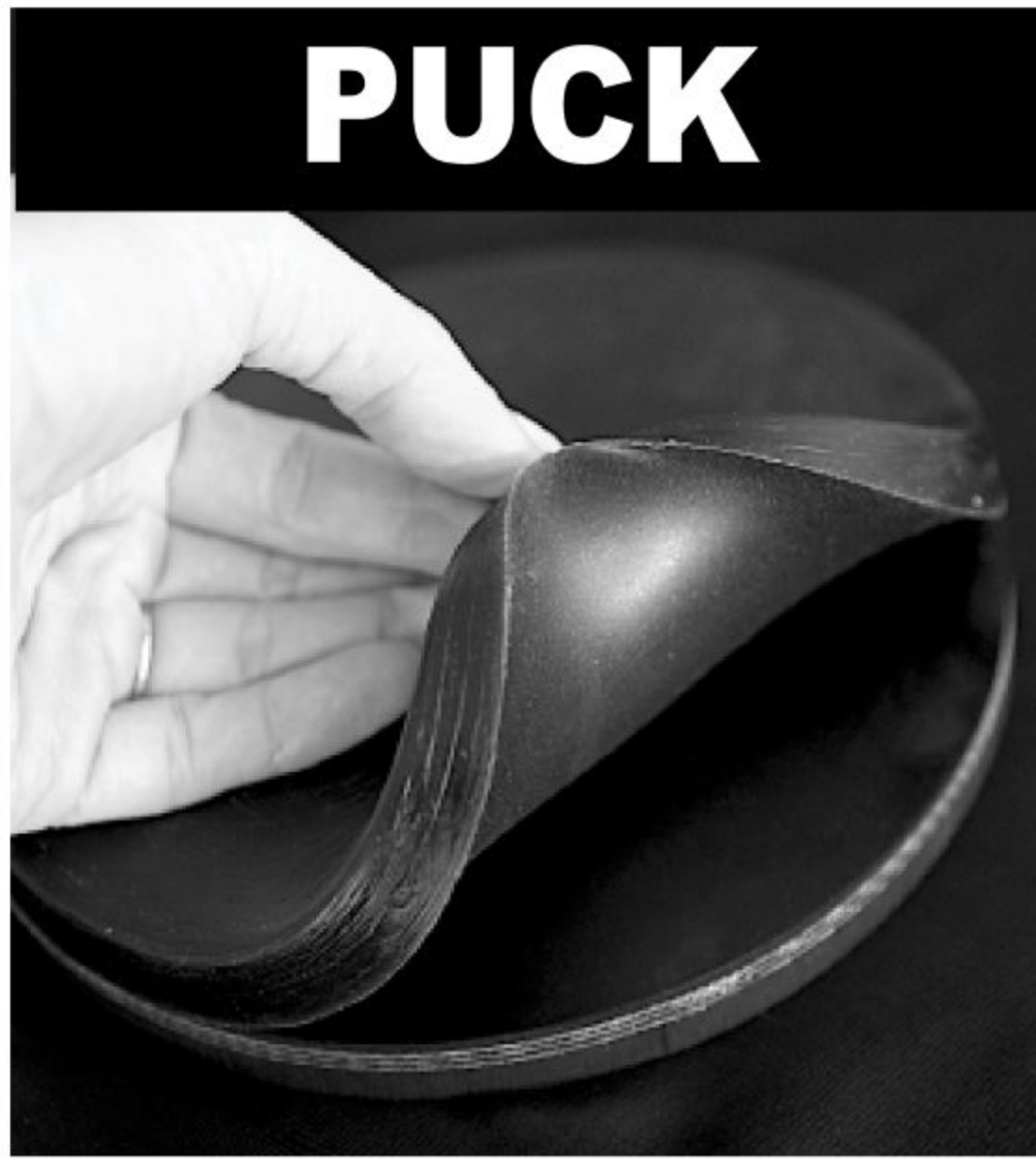
ULTRA-TAMPING KIT

WHAT IS THE UTKTM PUCK?

The **UTKTM** Puck is a two-part device that is utilized in the construction of pushing charges. It is made up of a 6" or 8" rubber disc and our proprietary **UTKTM** Gel. This combination makes it an extremely effective pushing charge that is highly portable, easy to build, lightweight, melt-free, and can be easily hung.

International Patent Protected **UTKTM** products are currently in use by special operations units and law enforcement around the globe with several successful operational breaches.

On average, we are seeing a 2/3 reduction in N.E.W. by using this product.



PATENT-PENDING TECHNOLOGY

PATENT-PENDING TECHNOLOGY

Every *UTKTM* Puck contains 330 rubber on one side and a patent-pending proprietary tamping gel (*UTKTM* Gel) on the other.

UTKTM Puck is designed as a disk to eliminate the possibility of sharp points tearing into the target, unlike rectangular charges and to give an even 360degree disbursement of energy. It is 6" or 8" in diameter so it can easily fit into the cargo pocket of uniform pants.

UTKTM Puck offers an extremely effective charge with considerably low N.E.W.

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UTKTM

ULTRA-TAMPING KIT

DEPLOYMENT OPTIONS

- Pushing charge
- Class 1 and 2 metal doors
- Inward, lock side attack
- Outward, center of door







LOCKSIDE ATTACK

- C1 Foam-filled metal door
- Pushing charge
- MSD 5'
- NEW 90

POST DEPLOYMENT

POSITIVE BREACH. MINIMAL
FRAGMENTATION.



PUCK



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WHAT IS THE UTKTM MINI?

The **UTKTM Mini** is a patent-pending tamping device that is rubber/gel based. The **UTKTM Mini** comes in packs of four, each device measuring 18" x .5" x 1" and is designed at .5" width to fit the space between the lock and the door jam of most doors. The length of the kit was designed to reach both deadbolt and doorknob simultaneously.

The kit can be used in the construction of a blasting or a pushing charge. The kit was designed with perforations every 6" to give the operator the option to adjust the size of the kit as needed.

MINI



PATENT-PENDING TECHNOLOGY

PATENT-PENDING TECHNOLOGY

Every *UTKTM* Mini contains 330 rubber on one side and a patent-pending proprietary tamping gel on the other. The *UTKTM* Gel side comes with a groove along the length of the kit that is designed to fit the explosive seamlessly.

The main body of the kit is constructed of raw cardboard which is perforated throughout. These perforations are put in place to reduce the size of fragmentations and to give the end user the ability to modify the kit on the fly.



UTKTM

ULTRA-TAMPING KIT

DEPLOYMENT OPTIONS

- Class 1 and 2 metal doors
- Hollow core and solid wood doors
- Inward and outward opening
- Lock side attack
- Windows
- Blasting and pushing





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ULTRA-TAMPING KIT

Clay | Team 2 | Slot # 29 | C3/MSD 8/15



LOCKSIDE ATTACK

- Solid wood door
- Blasting charge
- MSD 8'
- NEW 277

POST DEPLOYMENT

POSITIVE BREACH, MINIMAL
FRAGMENTATION



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WHAT IS THE
UTKTM STANDARD?

UTKTM is a patent-pending tamping device that is rubber/gel based. The kit comes in packs of two, each measuring 28" x 1.5" x 1". The kit can be used in a variety of configurations, lengths and is easily modified on the fly. *UTKTM* is 100% non-toxic, easy to build, easy to hang and is extremely effective.

STANDARD



PATENT-PENDING TECHNOLOGY

PATENT-PENDING TECHNOLOGY

Every **UTKTM** contains 330 rubber on one side and a patent-pending proprietary tamping gel on the other. The **UTKTM** Gel comes with a groove along the length of the kit that is designed to fit the explosive seamlessly.

The main body of the kit is constructed of raw cardboard which is perforated throughout. These perforations are put in place to reduce the size of fragmentations and to give the end user the ability to modify the kit on the fly.

The perforations allow the end user to modify a pushing charge into a blasting charge or cut the kit into four sections and create a sliding hinge charge.



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DEPLOYMENT OPTIONS

- Inward opening solid wood door
- Inward and outward opening, class 1 and 2 metal doors
- Window
- Roof
- Garage doors





HINGE-SIDE ATTACK

- C1 inward opening foam filled metal door
- Pushing charge
- MSD= 7"
- NEW= 200

NUN-CHUCK

POST DEPLOYMENT

Positive breach, minimal to no frag inside target room.

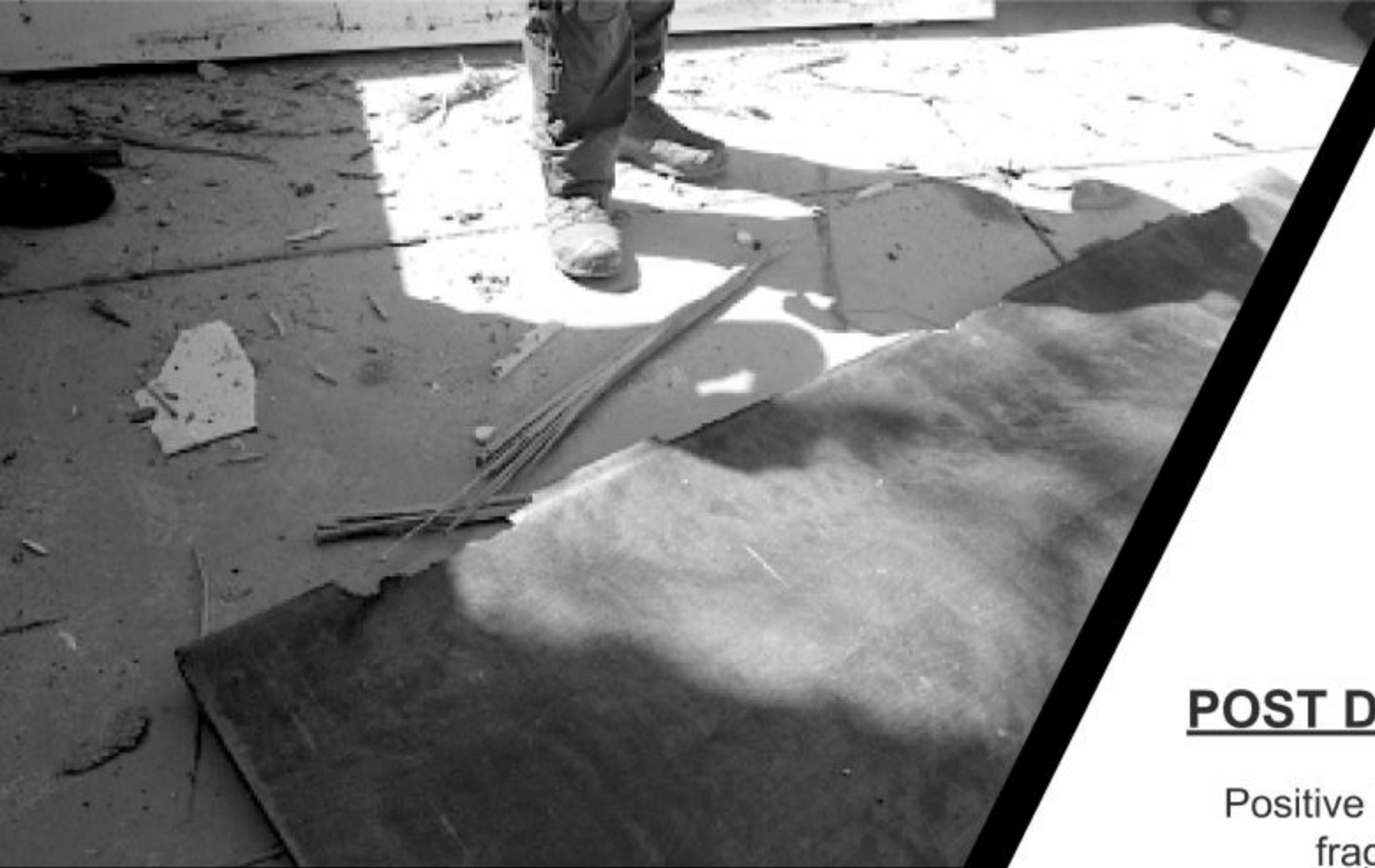




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HINGE-SIDE ATTACK

- Heavy wood door
- Blasting charge
- 79.5", 18 grain det cord
- MSD 10'
- NEW 700



SLIDER

POST DEPLOYMENT

Positive Breach, Minimal
fragmentation.



CONNECT

WHAT IS *UTK*TM CONNECT?

The *UTK*TM Connect is a patent-pending tamping device that is rubber/gel based. The kit comes in several different configurations, such as three interlocking sections each measuring 26.5" x 1.5" x 1". Once all three sections are connected, they have an overall length of 79.5" and an approximate weight of five pounds. The kit comes as three sections that can connect together measuring 79.5" total. The kit can be used in a variety of configurations, lengths and is easily modified on the fly. *UTK*TM Connect is 100% non-toxic, easy to build, easy to hang and is extremely effective.



PATENT-PENDING TECHNOLOGY

PATENT-PENDING TECHNOLOGY

Every **UTKTM** Connect contains 330 rubber on one side and our patent-pending proprietary tamping gel on the other. The **UTKTM** Gel comes with a groove along the length of the kit that is designed to fit the explosive seamlessly. The main body of the kit is constructed of raw cardboard which is perforated throughout. These perforations are put in place to reduce the size of fragmentations and to give the end user the ability to modify the kit on the fly.



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The image features a yellow arrow-shaped graphic pointing to the right, containing the UTK logo and text. The logo consists of the letters 'UTK' in a bold, italicized, sans-serif font, with a small 'TM' symbol in a circle to its right. Below the logo, the words 'ULTRA-TAMPING KIT' are written in a bold, sans-serif font. To the right of the yellow arrow, a long, thin, silver metal strip is shown, which is the product being advertised. The strip has a textured surface and a small 'UTK' logo embossed on it.

UTKTM

ULTRA-TAMPING KIT

DEPLOYMENT OPTIONS

- Inward and outward opening solid wood doors
- Garage Doors
- Window
- Roof





HINGE-SIDE ATTACK

- Solid wood door, outward opening
- Blasting charge
- MSD 8'
- NEW 265

CONNECT

POST DEPLOYMENT

POSITIVE BREACH, MINIMAL
FRAGMENTATION INSIDE
TARGET ROOM.

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WHAT IS *UTK*TM HYDROTAPE?

*UTK*TM HydroTape is an amazingly versatile and conductive copolymer adhesive gel that will adhere to most surfaces in most environmental temperatures. The ultra-sticky Hydrogel in *UTK*TM HydroTape tape is 25mils thick and comes in protective plastic sheaths that keep it clean.

*Hydrogel was originally developed for the medical and biotech industries. This gel is skin safe, non-toxic.

HYDROTAPE





UTK™ HydroTape comes in a 1" width to perfectly fit your charge. **UTK™** HydroTape offers all of the benefits of Hydrogel with none of the pain of cutting and extra mess! Breachers can now build a charge quickly, efficiently and keep their build clean with **UTK™** HydroTape. This Hydrogel based tape is designed specifically for **UTK™** kits to help the breacher by removing the inconvenience of having to cut down Hydrogel.

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UTKTM

ULTRA-TAMPING KIT

UTKTM GEL

UTKTM is a versatile tamping material that comes in sheets which allows the breacher to custom build their own



**ALL PRODUCTS
MADE IN U.S.A.**

UTKTM MINI

A pre-built tamping device that is specifically designed to fit between the lock and the door jam.

UTKTM STANDARD

The most versatile kit we offer and gives you the ability to attack lock side or hinge side.

UTKTM PUCK

Small but mighty, this 6" or 8" disk is the perfect battering ram of a charge.

UTKTM CONNECT

Designed to cover the entire length of a standard door, whether you're pushing or blasting, **UTKTM Connect** has you covered.



our office

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DEPARTMENT PRICING

To receive department pricing please email your order to sales@ultratampingkit.com. Orders typically have a 4-6 week turn around.

UTK™ CONTACT INFORMATION

- ultratampingkit.com
- sales@ultratampingkit.com
- info@ultratampingkit.com
- 336-601-3798

The logo features the letters 'UTK' in a bold, italicized, sans-serif font. A small 'TM' trademark symbol is located to the right of the 'K'. Below the logo, the words 'ULTRA-TAMPING KIT' are written in a smaller, bold, sans-serif font.

UTKTM
ULTRA-TAMPING KIT

A solid yellow rectangular box containing the slogan in black, bold, sans-serif text.

**BREACH
SMARTER, NOT
HARDER.**



UTKTM
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