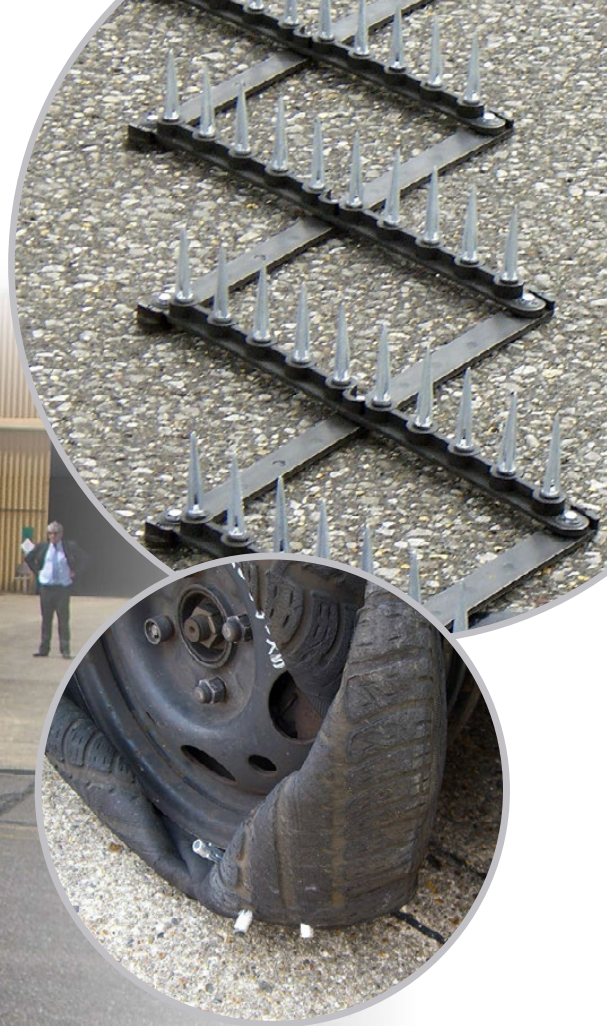


MAGNUMSPIKE!™

The Ultimate Vehicle Tyre Deflation System



The Ultimate Vehicle Tyre Deflation System



MagnumSpikeUK

MagnumSpike UK is a subsidiary arm of SAE Systems Ltd a UK company specialising in the sale of unique and bespoke security products.

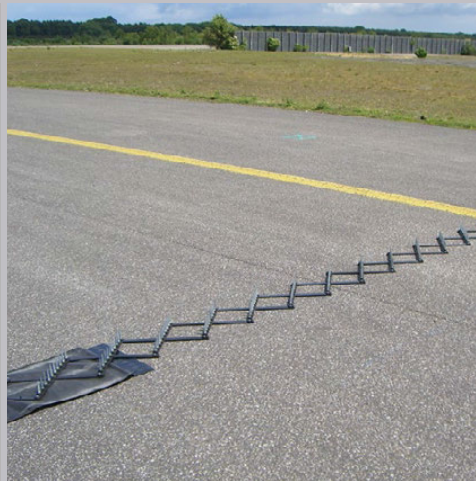
For 30 years MagnumSpike has been in service throughout the US as well as many other countries worldwide. SAE Systems are the official distributors for Phoenix International the parent company of MagnumSpike and to facilitate distribution SAE Systems have set up a dedicated business entity "MagnumSpikeUK" to handle this.

UK & Worldwide

To date SAE Systems have distributed MagnumSpike to many Police, Military and counter terrorist organisations worldwide and within the UK. Shipment is done either from our UK office or direct from our partners at Phoenix International in the US.



WRAP&ROLL SYSTEM



WRAP&ROLL SYSTEM DEPLOYED



BMW RUN FLAT TYRE

Design advantages

The patented spike design works on all vehicles types from ordinary sedan vehicles to HGV's and heavy plant type vehicles, unlike hollow type or solid type spikes MagnumSpike has a fluted design that makes a large and deep puncture in the target vehicle tyres and ensures 3 points of controlled deflation per spike.

The unique design of the Wrap&Roll system has the added benefit of being extremely fast and easy to deploy with minimal training. Additionally due to the compact size of the unit it can be carried in the front of the chase vehicle without having to first retrieve in from a specially make rack in the boot of the vehicle. Likewise it can be carried in a backpack or even attached to a webbing belt which is useful for military or on foot tactical uses.

100% Safety record

Across the UK, US and around the world, through thousands of successful stops, there has not been a single reported adverse incident since day one! A 100% safety record!

All units are provided with comprehensive training videos and manuals, and all systems are available in training versions using neoprene spikes. MagnumSpike is not available for sale to the general public, only Police, Military or Government agencies are eligible. In certain circumstance civilian organisations engaged in security operations are also considered.

Trials and testing

Over the years MagnumSpike has proved itself time and time again in hundreds of trials including the UK Home Office and National Institute of Justice, and has been deemed fit for purpose by both organisations.

Tests carried out by the UK Home Office in the presence of other Police organisations at Woodbridge Airfield in Suffolk showed that MagnumSpike was extremely effective in

its ability to stop vehicles within a significantly shorter distance than other devices whilst at the same time not compromising safety or controllability of the target vehicle. Thereby demonstrating MagnumSpike's ability to offer much greater predictability over the vehicle's stopping distance and enable Police Forces greater ability to contain the target vehicle in a live situation.

Several live tests were carried out on a range of different front and rear wheel drive vehicles at speeds of 40mph, 60mph and 70mph. In all cases it was clearly demonstrated that post impact with the device the vehicles were brought under control within a very short distance without the target vehicle losing its ability to negotiate turns successfully and without any additional risk to the occupants.

Run Flats





Whilst no-one can guarantee the success against run flats with any tyre deflation system MagnumSpike has demonstrated both in the UK and the US that with proper coordination of force assets the damage imparted on a run flat by MagnumSpike is such that if the target vehicle if corralled or forced into a series of turns the target vehicles run flat tyres are compromised after one or two miles of pursuit.

Motorways





In response to requests from the UK Police MagnumSpike is now available in a 12m/40ft system designed for use on Motorways and wide dual carriageways. The additional length means Police units can now effectively close all lanes of a motorway with a single system.

The MagnumSpike 40ft systems currently is use in the UK are also now used through out Europe and the Middle East successfully ending pursuits.

MODEL RANGE

MODEL	MS12	MS16	TMS16 (training system)
			
Deployed Length	12 ft / 3.66m	16 ft / 4.87m	16 ft / 4.87m
Case Type	Ballistic Nylon Wrap	Ballistic Nylon Wrap	Standard Nylon Wrap
Dimensions in Case	48cmx19cm (rolled)	48cmx19cm (rolled)	48cmx19cm (rolled)
Shipping Dimensions	50cmx20cmx20cm	50cmx20cmx20cm	50cmx20cmx20cm
Spike System Weight	4.2 kg	5.9 kg	4.2 kg
Shipping Weight	5.9 kg	7.25 kg	4.5 kg
Number of Spikes	120 Cast Alloy	160 Cast Alloy	160 Durable Rubber
UK Retail price*	Please call	Please call	Please call

MODEL RANGE

MODEL	MS25C	TMS25 (training system)	MS40
			
Deployed Length	25 ft / 7.65m	25 ft / 7.65m	40 ft / 12.19m
Case Type	Hard Polymer Case	Hard Polymer Case	Ballistic Nylon Wrap
Dimensions in Case	79cmx50cmx11cm	79cmx50cmx11cm	48cmx30cm (rolled)
Shipping Dimensions	81cmx53cmx13cm	81cmx53cmx13cm	50cmx32cmx32cm
Spike System Weight	10.8 kg	10.5 kg	12 kg
Shipping Weight	13 kg	11 kg	12.5 kg
Number of Spikes	250 Cast Alloy	250 Durable Rubber	400 Cast Alloy
UK Retail price*	Please call	Please call	Please call



Placing a MagnumClaw

The 2 ½" patented spikes come in a collapsible folding case that is laid flat under the tyre of the stationary car at a check point or in a situation where the driver of a vehicle has been stopped for questioning.

The pocket-size twin Magnum Spikes placed under a stationary vehicle's tyre deflates the tyre if the vehicle moves. The spikes are released into the tyre from the MagnumClaw! Penetrating and deflating the tyre, preventing the driver from fleeing and initiating a high-speed chase. The MagnumClaw! Will totally deflate the tyres helping to contain and control what could otherwise turn into a potentially dangerous situation.

KEY FEATURES



- Superior spike penetration stops all tyres
- Pursuit proven - every hit is a 'safe & swift' stop
- Competitively priced so your entire fleet can be equipped for a lot less
- Up to 400 Magnum choke-proof spikes per unit based on deployed length of model
- Deployable from a safe distance
- Consistently successful in Home Office, NIJ & UK Police Force field tests

When seconds count, there's no time to measure the spikes in your tyre deflation device and wonder if they're up to the task. With today's tyre technology, not only the spike size, but also superior design makes the difference.

You do not need a different model for larger vehicles as required by our competition. Any of our models can stop all vehicles from small saloons to articulated HGV's.



MAGNUM SPIKE
2.5" LENGTH



STOP STICK



STINGER

- **Safety, Deployment, Simplicity of Use:** The key objective in designing the patented MagnumSpike is safety and ease of use. The system is very easy to handle and can be deployed in seconds under any weather conditions or road surfaces. It allows officers complete control of the situation without exposing themselves to dangerous traffic. MagnumSpike! is proud of its 100 percent safety record since day one! Many patrol vehicles place the MS16 MagnumSpike behind the co driver's feet on the floor of the vehicle, this allows the system to be deployed seconds after the patrol vehicle stops saving valuable seconds rather than extracting the system from the vehicle boot.
- **Every Hit a Successful Stop:** The fully assembled, portable system works 100 percent under all conditions and circumstances. Every HIT is a STOP. You do not need a different model for larger vehicles. The same system can stop all vehicles from small to heavy vehicles.
- **Warranty:** Our warranty is free of any fine print, no ifs or buts. Any and all components, including spikes, are guaranteed for five years while in use and replaced free of charge.

PRODUCT COMPARISON

Feature	MagnumSpike MS16	Stop Stick	Stinger
Deployed length	16 ft.	15 ft. (Including one extra 3 ft. section)	15.5 ft.
Dimensions in case	19" long x 7.5' diameter-roll	3" x 3" x 36" (trunk lid rack)	20.5" x 17.5" x 2.75"
Volume in case	693 cubic inches/0.40 cubic feet	1,026 cubic inches/0.59 cubic feet	987 cubic inches/0.57 cubic feet
Total weight of system	12 lbs.	8 lbs.	12 lbs.
Type of carrying case	Heavy duty ballistic nylon zipper case	Trunk lid fitted rack, not transferable	Plastic hard case
Base/scissor slats material	Electrometric nylon proprietary alloy	Styrofoam core wrapped in plastic	Electrometric nylon alloy zytel
(Number)	160 Magnum spikes	180 roll pins in 5 three-foot sections but since they face three ways, there are only 60 working quills at any one time	110 quills
(Dimensions)	2.5" long with 3 sharp-cornered edges, 1/2" at base	2" quill inclusive of separate tip. Body of quill is steel roll pin 0.19" outer dia., 0.11" inner dia.	1.75" long x 0.14" outer dia, 0.11" inner dia.
(Material)	Rustproof metal alloy	Steel	Stainless steel
(Shape)	Engineered, 3-cornered, elongated pyramid	Tubular split quill, in reality a roll pin with separate conical tips	
(Clogging or choking)	Patented clog-proof design	Won't clog	Definite possibility of clogging
(Ability to deflate tyres)	Will deflate tyres with total thickness of tread and casing up to 2.5"	Should deflate tyres if total thickness of tread and casing is under 2"	Should deflate tyres if total thickness of tread and casing is under 1.75"
(Ability to stop speeding vehicles with run-flat tyres)	Designed for large air escape & engineered to cut up tyres. Stops all tyres, including run-flats	Distance between quills being 3" reduces the possibility of the quill lodging in the critical side wall area of run flats	Minimal at best on run-flat tyres
Replacement Spikes	50 spikes with 50 holder retainers, stainless hardware & 50 protective caps	Not applicable	10 quills with compression sleeves, tip guards, and special tool
Deployment rope or cord	45 ft. of 150 lb. test nylon cord on reel with press button release & quick rewind	80 ft. of polyester cord on open reel	30 ft. of rope on an open spool
Assembly/ disassembly	No tools required to replace or switch spikes around	Two or more sticks destroyed at every hit	Philips screwdriver required
Multiple use ability	Will withstand multiple high speed impacts	Destroyed first time it is run over	Capable of withstanding multiple high speed impacts
Ability to replace or switch spikes in the field	No tools required to replace or switch spikes around	No possibility of replacing spikes	Needs special tool to replace spikes

Magnum Spike facts

Ten reasons why the Magnum Spike should be your Tyre Deflation System

- 1 The user-friendly MagnumSpike offers Police Forces an affordable quality tool to stop high-speed chases safely & swiftly every time.
- 2 Continuous R & D on the MagnumSpike based on feedback from end users and NASA technology grants help incorporate high tech features while preserving its ease of use.
- 3 The MagnumSpike is available in various lengths (including 12 ft, 16 ft, 25 ft. and 40 ft versions) to meet YOUR Needs.
- 4 The ease of deployment of the MagnumSpike gives control back to law Enforcement by allowing officers to swiftly bring a dangerous situation under control without taking any risks.
- 5 The iron clad 100% free replacement warranty covers spikes and all components for five years of use thereby not wasting officers' time or department money.
- 6 The portable MagnumSpike is reusable and easily field serviceable on the spot without any special tools in a matter of a few minutes, eliminating any down time.
- 7 The choke-proof design of the MagnumSpike allows predictable and total deflations every time: cars in less than 1/4 mile, trucks, buses and HGV's in under 1 & 1/4 mile and run-flats in less than 2 & 1/4 miles.
- 8 The high tech design of the MagnumSpike is relatively light weight, yet not so light as to float or to be blown away. It is ready for the rapidly changing tyre technology. It deflates any size and type of tyre down to its metal rim, including run-flats.
- 9 The 100% safety performance of the MagnumSpike is unbeatable with not a single adverse incident since day one. Its multiple safety features keeps officers out of harm's way.
- 10 The patented MagnumSpike is in a class by itself. In test after test of tyre deflation devices, the results are judged "Simply the Best."



To find out more about the **MagnumSpike** range or to make an order please email or call us using the contact details opposite:

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