

RAT-TRAP II



Prevent Pursuits before they happen. The pocket sized Rat-Trap II tyre deflation device is perfect for neutralising a vehicle from being used to escape. Simply open the devices and placed them under the tyres of the vehicle which is under surveillance. SpanSet recommends that one unit is placed in front of a front wheel and another unit at the rear of a rear wheel. Any attempt to drive the vehicle either forward or reverse will immediately deflate the tyre(s). This eliminates the possibility of a high speed getaway attempt and arrests can be made, and the vehicle recovered. Rat Trap II is constructed of a high strength polymer and stainless steel hollow spikes which can be replaced if the unit is still reusable. On receipt of a completed Stinger Deployment Form returned to SpanSet, replacement spikes will be supplied free of charge.

Training Support

SpanSet can provide 2000 series Training Units of lengths 15 1/2ft (4.72m) & 25ft (7.62m). These units are complete with the exception of the inserted spikes with their safety guards. The device can be deployed time and time again to familiarise the Deployment Officers with the device in mock live situations. Each unit comes complete with replacement spikes, kit contains 10 spikes, 10 compression sleeves and 10 safety guards, a spike insertion tool, safety glasses, training manual all contained in a carrying case.



SpanSet offer a range of safety training courses based on a modular format for Police and Security Forces. For further information contact the Safety Training department on +44 (0)1606 739529

PHS 1 - Introduction to Height Safety and Equipment Awareness

PHS 2 - Height Safety for Operations on Rooftops, Structures and Steep Ground

PHS 3 - Rescue and Recovery for Officers Operating at Height

PHS 4 - Practical Training for operations at Height Search and Rope Access, Operative Search and Rope Access Supervisor.



SpanSet Manufacture and design Lifting Slings, Load Control and Height Safety equipment.

STINGER SPIKE SYSTEM

T y r e D e f l a t i o n D e v i c e s



STINGER

In order to reduce the injuries and property damage associated with high speed pursuits Police Forces throughout the United Kingdom are implementing their pursuit Driving Policies. THE STINGER SPIKE SYSTEM allows trained officers to control these situations by stopping fleeing vehicles effectively, reliably and safely.

The STINGER system has high strength hollow steel spikes, which penetrate most types of tyres – including self-sealing and run-flats and deflates them in a controlled manner. This prevents blowouts, loss of control and slows the target vehicle to a safer rate of speed, and allows the driver to make a controlled stop or be stopped. After which arrests can be made and vehicles recovered. STINGER spikes are effective on all types of vehicles including cars, 4X 4s, towed vehicles e.g. trailers and caravans, ambulances, lorries, trucks, buses (single and double deckers) and plant equipment etc.

Safe and Easy to Use

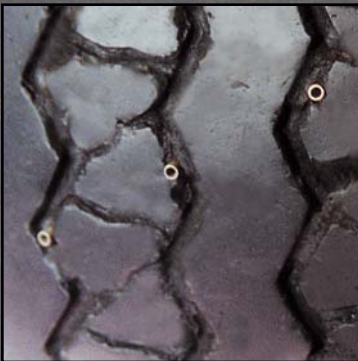
The STINGER device is designed for quick, reliable deployment. A simple shovelling action throw, and a quick jerk on the rope is all that it takes to position the device. The single accordion action element deploys instantly, giving the Deployment Officers time to take cover. Extra width road coverage and low visibility minimises avoidance by fleeing suspects. After the suspect vehicle has passed over the device a quick jerk on the rope will pull the device off the roadway, clearing the road for the pursuit vehicles and other traffic.

Rock and Tilt Mechanism

The STINGER SPIKE SYSTEM uses patented technology to ensure effective tyre penetration. It has a rocking arm action that on impact the spikes are tilted at the correct angle allowing them to be pulled completely out of the device, and obtain maximum penetration into the tyres. The rocking arm action also allows the device to be effective in either direction and at all speeds.

After initial penetration of the spike into the tyres, the vehicle wheels continue to rotate and the hollow spikes are then driven fully into the tyres at the same time forming the safety guard off the spike. The fully penetrated spikes cut a core of rubber cleanly from the tyre, allowing air to escape through the captivated hollow spike thus the tyres are deflated in a controlled manner. No debris is left on the roads. NOTE “STUNG” tyres should be clearly marked – BEWARE etc)

Generally both front tyres are deflated and depending what the speed of the vehicle, after passing over the front wheels, STINGER repositions itself and its possible that both rear tyres will also be deflated, thus safely, slowing and stopping the vehicle



STINGER Models

All STINGER series incorporate a reusable modular base with moulded sections built of high strength, resilient synthetic polymer, which stands up to hard use under the harshest conditions. The base is designed to endure numerous deployments and has withstood impacts in excess of 140mph. If however, a unit is damaged the individual sections are easily replaceable. The connecting hardware is stainless steel for long life. The individual hollow spikes are made from 304-T7 stainless steel for superior strength and effective tyre penetration. ALL STINGER 2000 SERIES are supplied with replacement spikes, complete with compression sleeves, spike safety guards, safety glasses (which are provided to protect the Deployment Officers eyes from road debris thrown up by passing vehicles) and training manual. All of which are enclosed in a quick deployment carrying case.

Standard 2000 series are available in three different lengths – 2010-10ft length, 2015-151/2ft length and 2025-25ft length, all to handle a variety of situations. The 2010 (10ft) is perfect for narrower urban and small country roads. The 2015 (151/2ft) is wide enough for multi lane roads. The 2025 (25ft) is suitable for motorways. Some Police Forces opt for the largest version, thus covering all scenarios.

Ref Order Code	Length	Weight (incl case)	Case Size
2010	10ft Length (3m)	8lbs 3.6kg	18 x 21 x 3 inches (45 x 52 x 7cm)
2015	15.5ft Length (4.72m)	12lbs 5kg	18 x 21 x 3 inches (45 x 52 x 7cm)
2025	25ft Length (7.62m)	18lbs 7.5kg	25 x 21 x 3 inches (62 x 52 x 7cm)

Reusable to Control Cost

STINGER SPIKE SYSTEMS can be quickly prepared for re-use by simply replacing the pulled spikes. On receipt of a Stinger Deployment form returned to SpanSet, replacement spikes, complete with compression sleeves and safety guards will be supplied free of charge.

