

# AUTOMATIC AND PASSIVE/SPRING LOADED SPIKES

## AUTOMATIC SPIKES

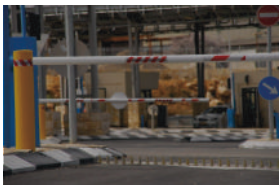
The unique and innovative fast-response S1000 tire killer spike system was developed with the specific aim of bringing a car to a halt without harming passengers. Designed to rip tires apart and even withstand the latest generation of run-flat tires, the S1000 has been proven in the field as a particularly effective solution for border crossings and locations where vehicles pass at high speed. The spike system can be operated either pneumatically or hydraulically resulting in fast and reliable operation. The spikes are housed in 1 meter long segments which can easily be removed for maintenance.

## PASSIVE/SPRING LOADED SPIKES

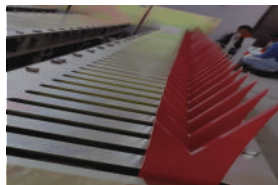
For lower security applications, surface mounted passive 1-way spikes can be installed which incorporate spring loaded spikes that are depressed and lowered by the movement and weight of the car as it passes in the correct direction. Any attempt to pass over the spikes in the wrong direction will result in multiple tire punctures. The spikes can incorporate an optional screw mechanism to allow them to be manually locked in the down position to temporarily enable vehicles to pass in the wrong direction.

These spikes are cost effective way of securing exit lanes where the complexity and extra investment in gates or barriers cannot be justified. This barrier is often used at the exit to parking lots, factories, malls and other areas of heavy traffic. It is particularly effective where high rates of exit traffic are found since it has a minimal effect on traffic flows.

## PRODUCTS



**S1000**  
TWO WAYS AUTOMATIC  
TIRE KILLERS



**S1000H**  
TWO WAYS AUTOMATIC  
TIRE KILLERS-HUMP TYPE



**S4000**  
AXLE BREAKER








**S2000**  
ONE WAY SPIKE SYSTEM



**S2800**  
HEAVY ONE WAY  
SPIKE SYSTEM

## SAFETY OPTIONS

A range of advanced safety features are available to ensure peace of mind and avoid unintended operation:

-  Inductive loop vehicle detectors installed in the road.
-  Sirens to indicate that the gate is in motion.
-  Photo-electric cells to further ensure that the gate does not move while something is passing.
-  Speed bumps to slow down approaching traffic.
-  Traffic lights by the road to indicate when it is safe/unsafe to pass or when the spikes are in motion.



## PRODUCT RANGE

CODE	MECHANISM	FOUNDATION	MATERIAL	WIDTH	LENGTH	SPEED	ONE/TWO WAY
S1000	Pneumatic, Electric, Hydraulic	500mm	Galvanized steel	500mm	500mm	1-2.5 s	two way
S1000-H	Hydraulic	250mm	Galvanized steel	500mm	3000-6000 mm	2-3 s	two way
S4000	Hydraulic	700mm	Galvanized steel	500mm	3000-6000mm	2s	one way
S2000	Manual, spring loaded	None - Surface mounted	Galvanized steel	230 mm	900 mm	-	one way
S2200	Manual, spring loaded with locking option	None - Surface mounted	Galvanized steel	230 mm	900 mm	-	two way
S2800	Heavy Duty, manual, spring loaded	None - Surface mounted	Galvanized steel	450 mm	910 mm	-	one way



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PROFESSIONALS IN PROTECTION

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