

Tiger Teeth Traffic Spike Systems Informational Guide

Traffic Spike Systems

A traffic spike system is a security mechanism designed to control vehicular access by enforcing one-way traffic flow. These systems feature metal spikes that allow vehicles to pass safely in the authorized direction but puncture tires if a vehicle attempts to travel in the opposite, unauthorized direction. Commonly referred to as "tiger teeth," "road sharks," or "tire rippers," these systems are widely used in locations requiring controlled access, such as parking lots, gated communities, and secure facilities.



Different Types of Traffic Spike Systems



In-Ground

In-ground traffic spikes are installed flush with the surface of the roadway, making them a more permanent and streamlined option for controlling one-way traffic. They are ideal for locations that experience high traffic volume and where long-term use is expected. Once installed, these systems provide a clean look and protect against wrong-way driving.



Surface-Mount

Surface mount traffic spikes are installed directly on top of the road surface, making them easier to install and maintain. They are a great solution for areas where digging into the ground isn't possible or practical. While slightly raised, they are still effective in controlling traffic direction and are commonly used in parking lots, driveways, and access roads.



Motorized

Motorized traffic spikes utilize an automated system to raise and lower the spikes, offering a more advanced and secure level of access control. These systems can be connected to barrier arms, keypads, or other security devices. They are typically utilized in secure areas where high security for entry and exit are important.

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Traffic Spike Comparison Table

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	Motorized Traffic Spikes	In-Ground Traffic Spikes	Surface Mount Traffic Spikes
Best Used For	Border Control, Military Checkpoints, High-Security Zones	Government Facilities, Airports, Military Bases	Parking Lots, Warehouses, Private Entrances, Event Checkpoints
Installation Method	Installed With Power Unit & Control System	Installed Into The Ground; Permanent Setup	Bolted To Road Surface; Temporary Or Permanent Setup
Security Level	Maximum	Medium to High	Low to Medium
Maintenance	Moderate To High; Includes Moving Parts	Low; Fewer Exposed Parts	Medium; Surface Wear Over Time
Recommended For	Critical Security Access For Precise Traffic Management	Permanent Vehicle Direction Enforcement in Secure Sites	Temporary Or Cost-Sensitive Installations
Load Rating Options	10 or 18 Tons	10, 18, 20, 40, or 70 Tons	10, 18, 40, Or 70 Tons
Width Options	21.5 in, 31 in, or 4 ft	8 in, 10 in, 14 in, 15.5 in, 21.5 in, or 4 ft	20 in, 21.5 in, 22 in, or 31.5 in
Material	Steel	Steel	Steel
Base Plate Thickness	1/4 in	3/8 in, 1/4 in, or 1/2 in	5/16 in, 3/8 in, or 1/4 in
Finish	Galvanized or Powder-Coated	Galvanized or Powder-Coated	Galvanized or Powder-Coated
Cost	Highest Upfront Cost and Higher Labor Costs	Higher Upfront Cost and Higher Labor Costs	Lower Cost and Fast Deployment
Control Method	Active (Electronic/Motorized)	Passive (No Electric Power)	Passive (No Electric Power)

Frequently Asked Questions

Q: *How Do Tiger Teeth Function?*

A: Spring-loaded metal blades puncture tires of vehicles going the wrong way. When approached correctly, they compress, allowing safe action from the desired direction.

Q: *Are Traffic Spike Systems Suitable for Driveway Security?*

A: Yes! These spike strips are rated for vehicle weights up to and exceeding 10,000 lbs per axle. They work very well in gated communities, secured parking zones, and private lots- residential or commercial.

Q: *Will Traffic Spikes Damage Tires if Driven Over Them in the Correct Direction?*

A: No, traffic spikes are designed to allow safe passage when driven over in the authorized direction. As long as traffic is following the posted signs and do not reverse over spikes, tires will not be damaged.

Q: *What Advantages Do Motorized Traffic Spikes Offer?*

A: Motorized spikes operate using electrical actuators that can integrate with other access control systems such as keypads, loop detectors, gate openers, etc. They provide a higher level of security.