



1610 Traffic Control Spikes
Installation Guide

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SAFETY FIRST

It is extremely important that traffic spikes are installed in an area that is illuminated and clearly marked with warning signs (see model 1615).

Additional lighting, signage and pavement markings can be used to increase awareness for potential danger and to separate pedestrians from vehicular traffic.

Traffic must be slowed to a cautious speed prior to crossing the traffic spikes to avoid accidents and excessive wear and tear on hardware. Speed-bumps may be installed where additional speed control is desired, which also serves to prolong the life of the traffic spikes.

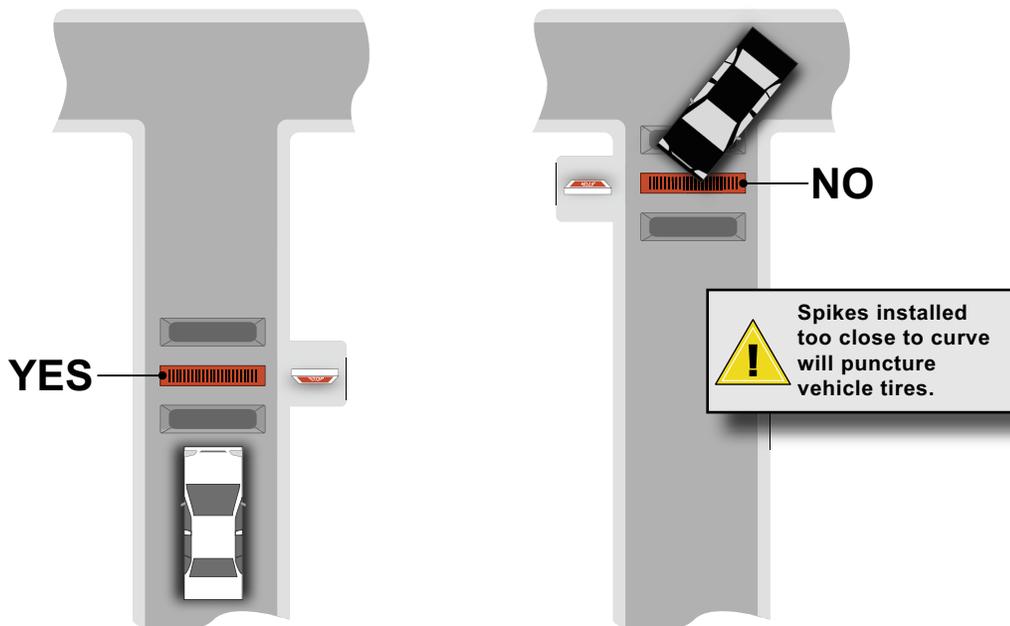
Traffic spikes must always be installed at a 90° angle, never installed in blind spots, corners, curves, (enough straight-away must be available to allow vehicles that have just completed a turn to straighten out and approach the spike system perpendicular to the spikes).

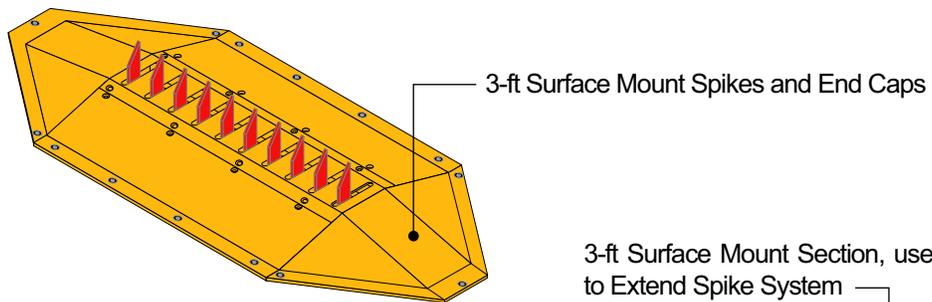
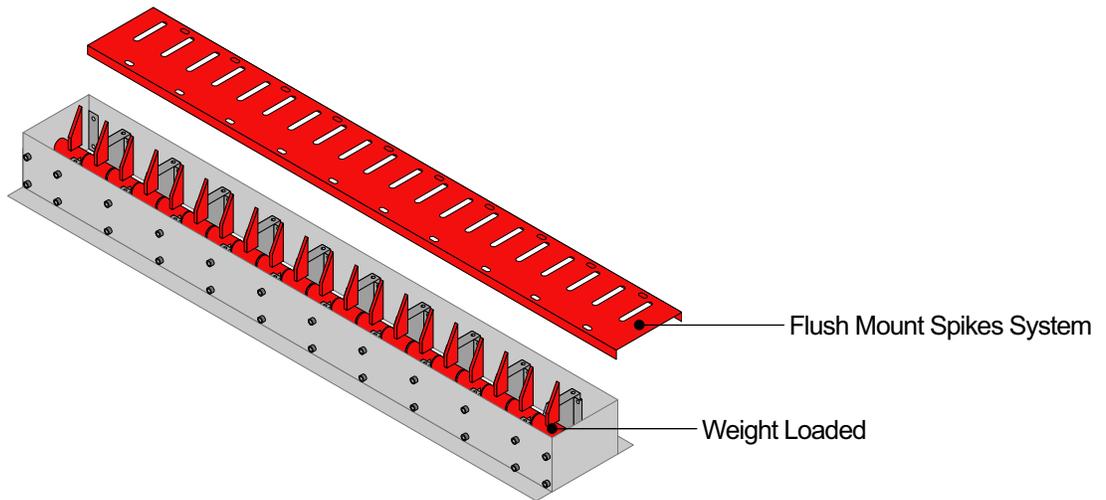
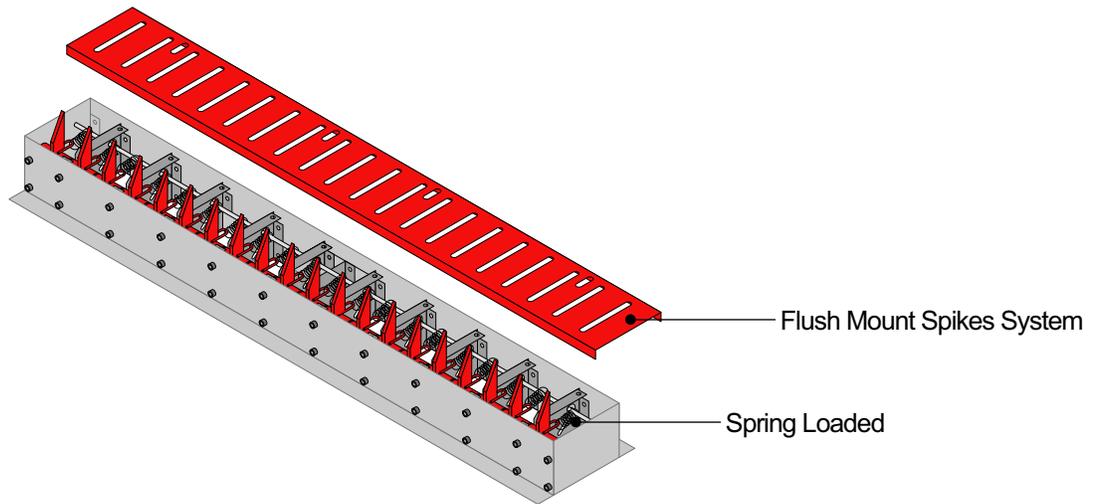
Traffic spikes must be installed on a flat-leveled concrete surface avoiding bumps or dips including uphill or downhill slopes minimizing the possibility of water draining into the spike assembly. Asphalt, brick, dirt, gravel or worn out concrete are not appropriate installation surfaces. If traffic spikes are needed in an area that has an inappropriate road surface, a leveled concrete pad must be laid out covering the entire spike area.

Regular inspection and removal of dirt, debris, gravel, and rock is required in order to keep traffic spikes functioning properly. Neglecting to regularly clean dirt and debris from inside traffic spikes is the number one cause of excessive spring breakage and traffic spike malfunction.

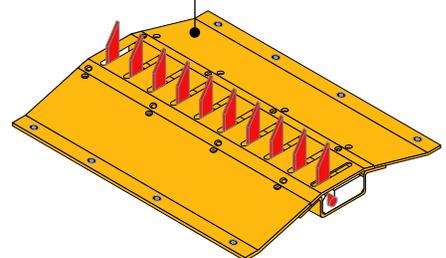
Traffic spikes are not intended for use on high stress facilities such as hospitals, emergency rooms or busy roadways where vehicular traffic is traveling at full speed. Traffic spikes should only be used in a parking situation or other areas where traffic can be slowed to a maximum of 5 miles before crossing the traffic spikes.

Failure to follow these guidelines may result in bodily injury, vehicle damage and extreme wear and tear on hardware.



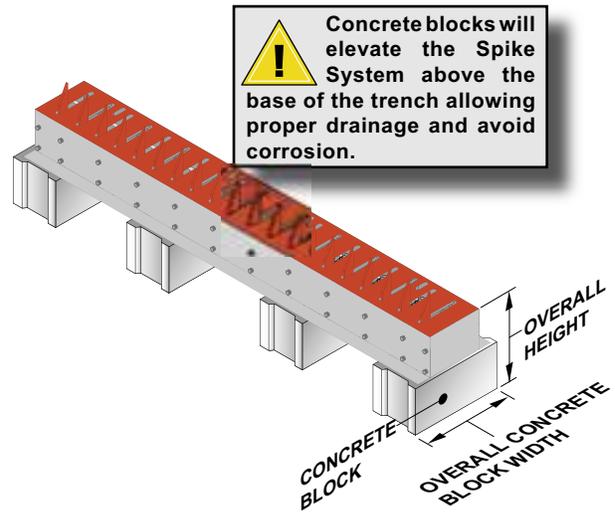
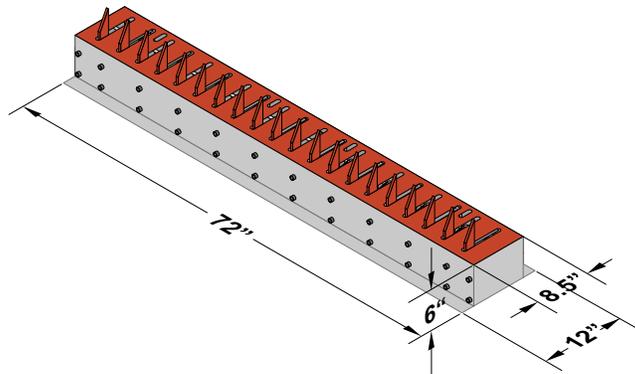


3-ft Surface Mount Section, use with 1610-084 to Extend Spike System

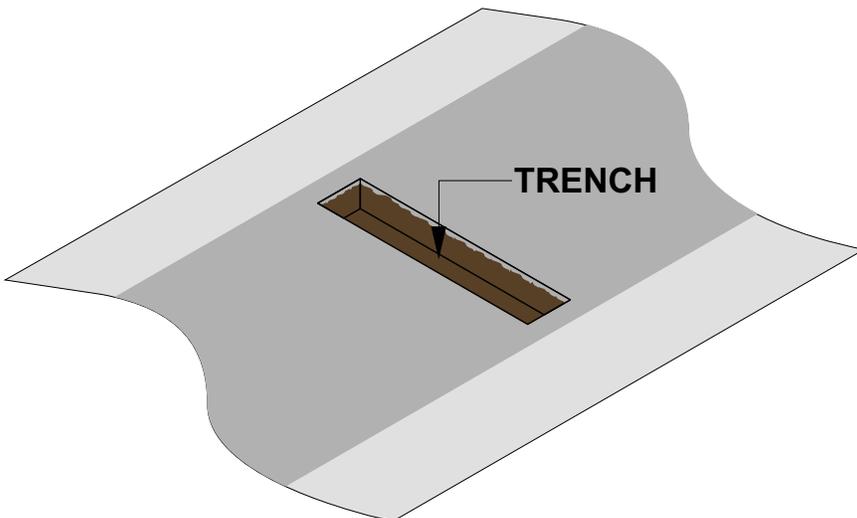


2 flush spike installation / flush spikes

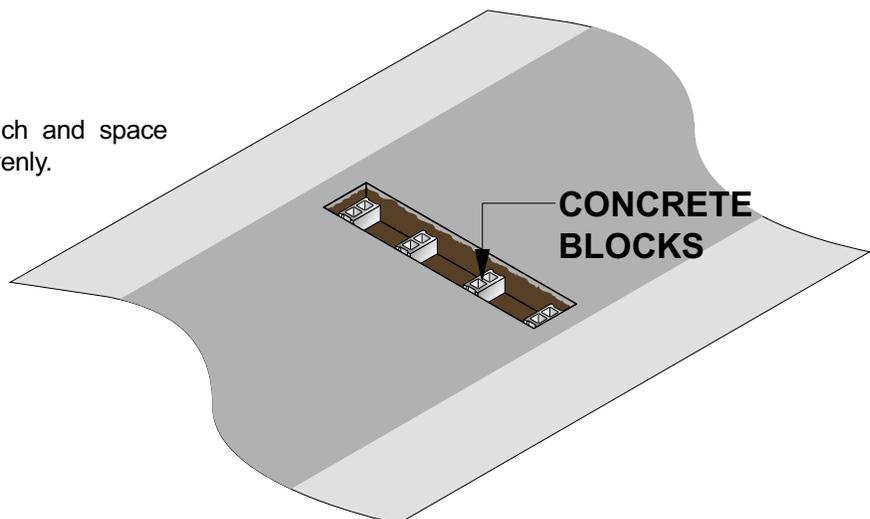
- 1 Place the Spike assembly on top the of concrete blocks and measure the overall height and width.



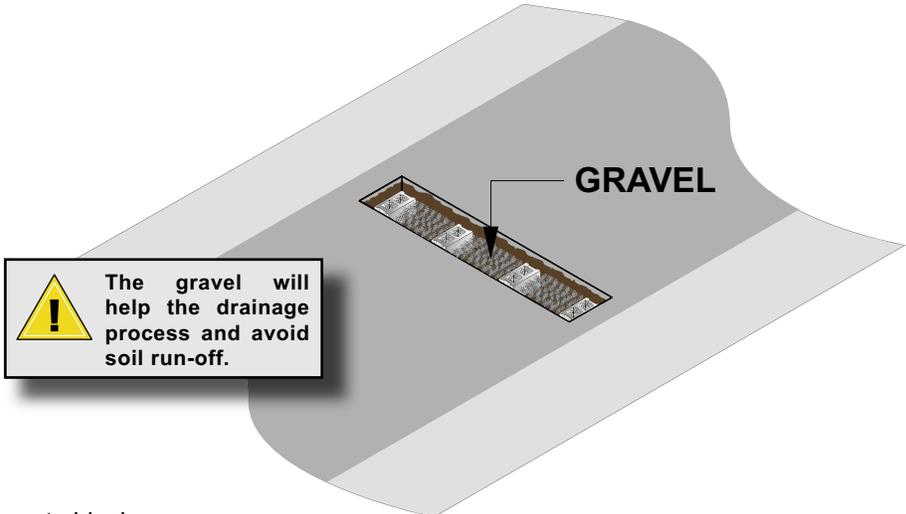
- 2 Dig a trench using to the overall height and concrete block width (see dimensions above).



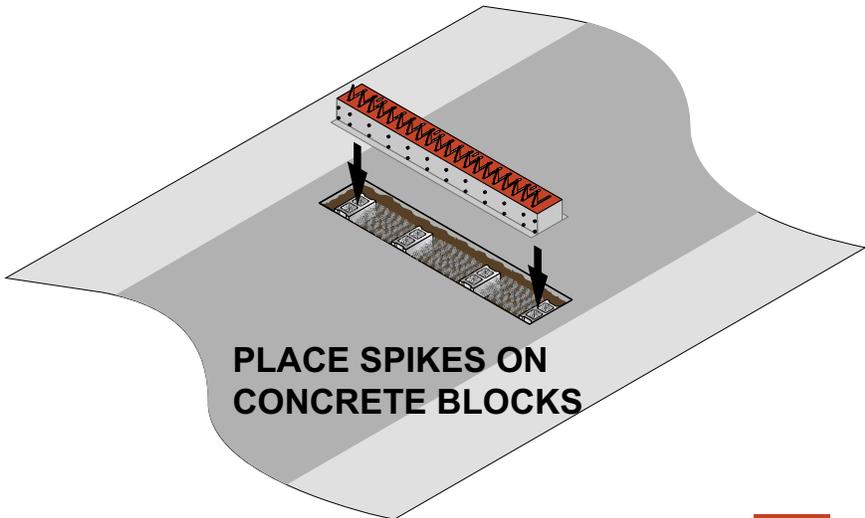
- 3 Set the concrete blocks in the trench and space evenly, all blocks should be leveled evenly.



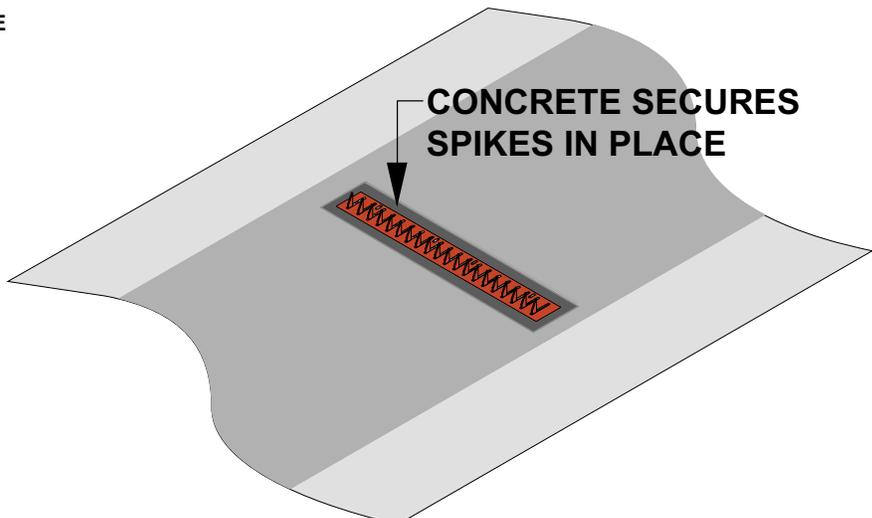
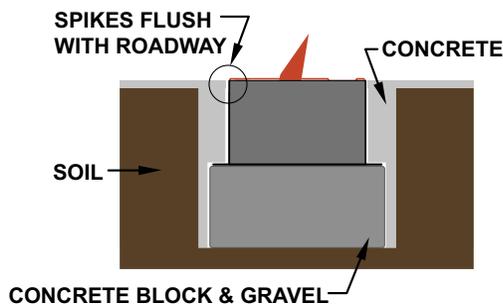
4 Load gravel inside the trench up to the concrete block surface.



5a Position the Spike system on the concrete blocks.



5b Pour concrete around the Spike system.



! Confirm spike system lays flush with the roadway before pouring concrete.

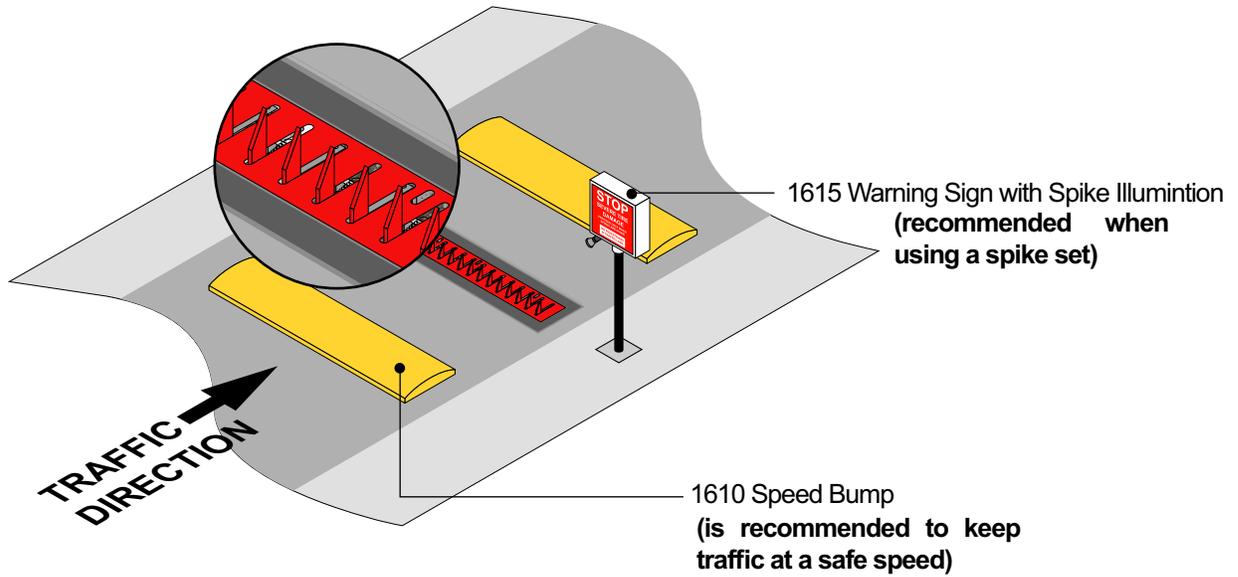
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flush spike installation / flush spikes

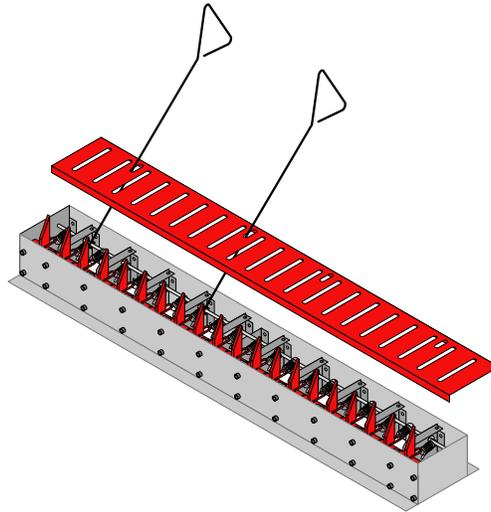
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Check the Spike system; make sure no debris or gravel is interfering with the up and down spike operation.

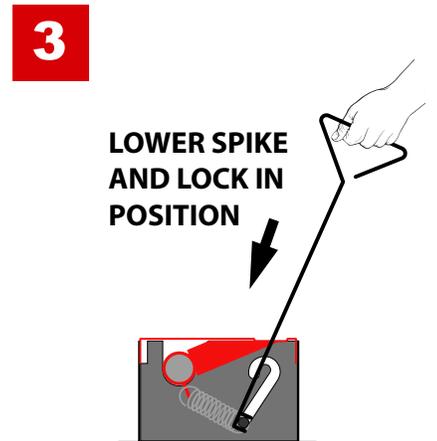
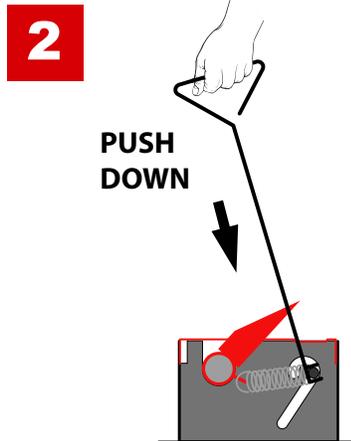
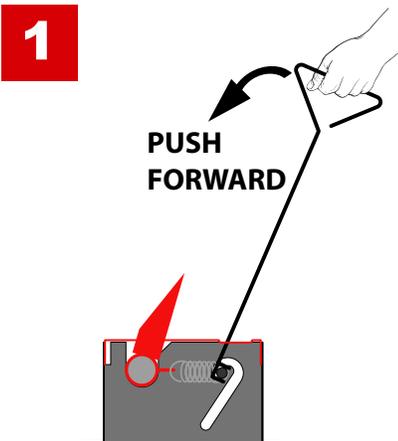
ADDITIONAL SAFETY ACCESSORIES FROM DKS, DOORKING, INC.



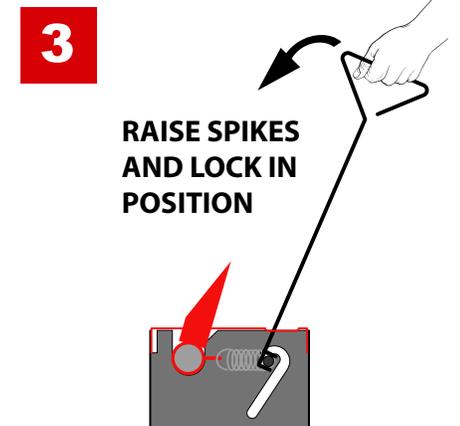
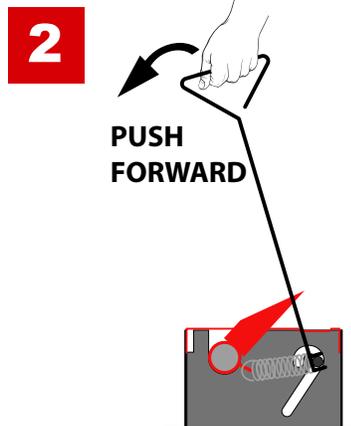
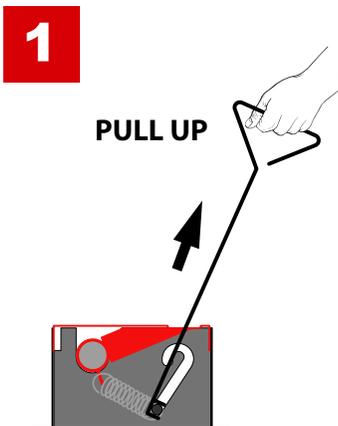
1 To lower or raise the spring loaded spikes, slide the bars through the small slots and lock on to the spike rod.



LOWERING SPIKES



RAISING SPIKES

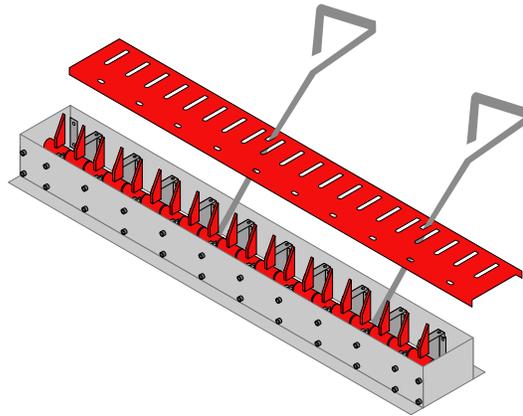


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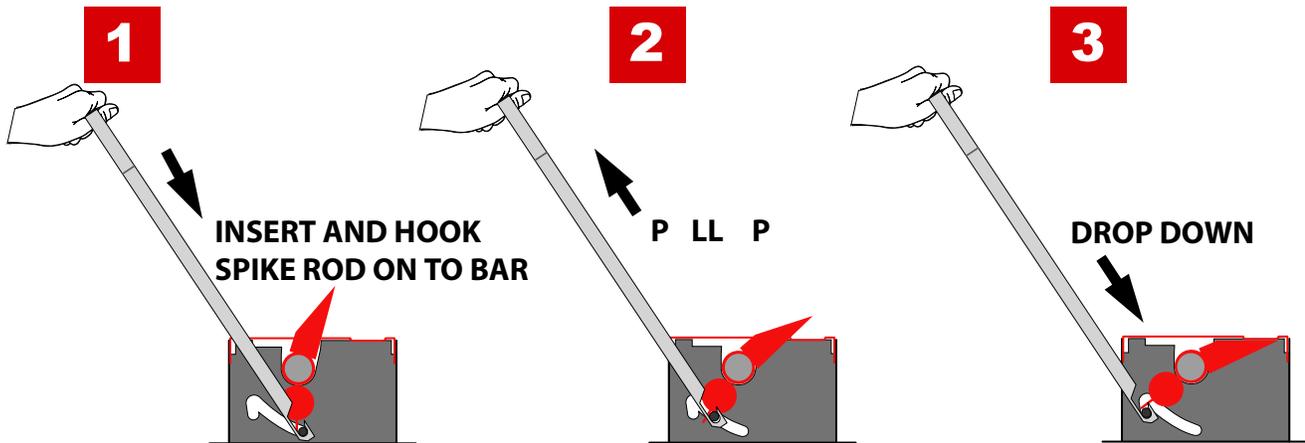
flush spike operation / retract weight loaded spikes

1

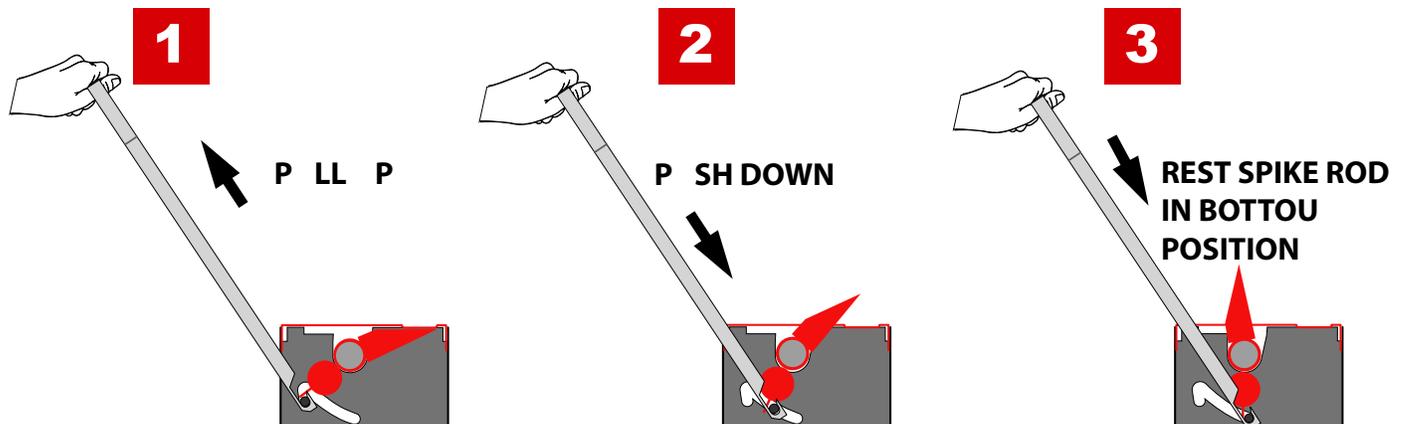
To lower or raise the weight loaded spikes, slide the bars through the small slots and lock on to the spike rod.



LOWERING SPIKES

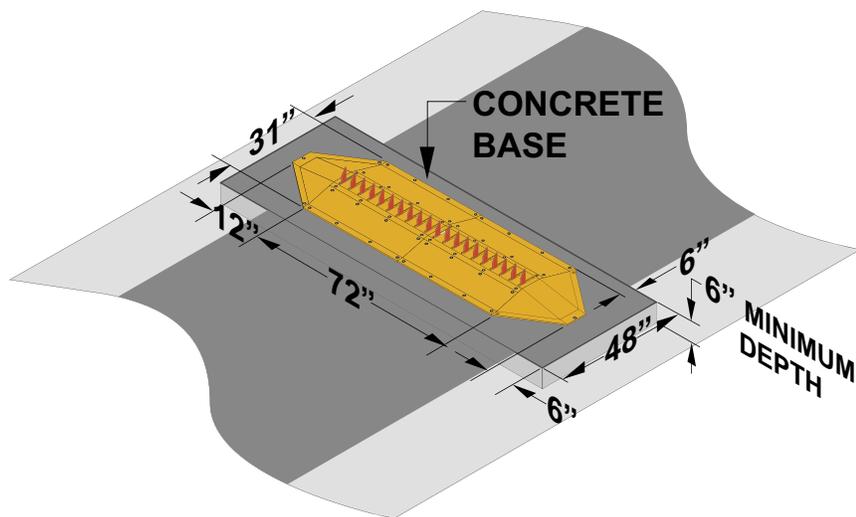


RAISING SPIKES





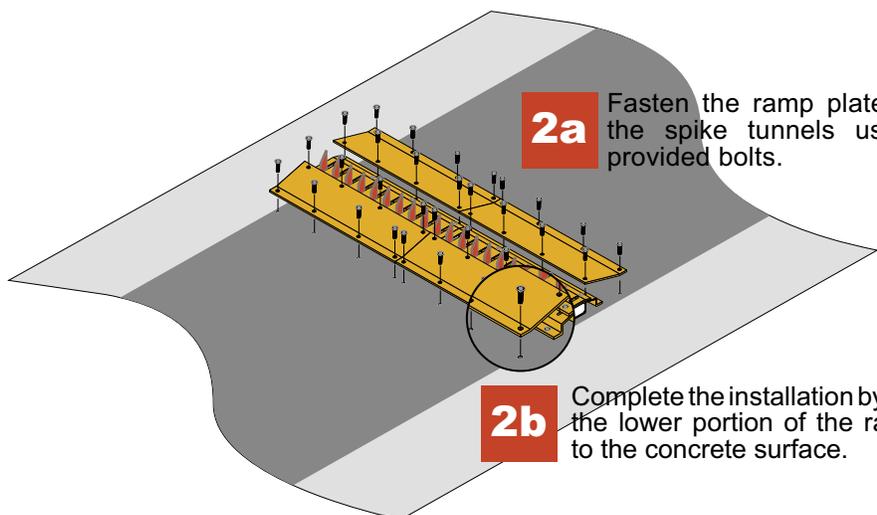
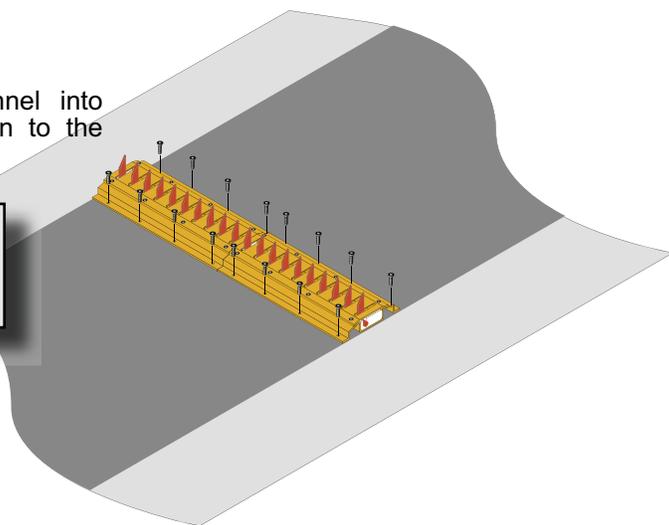
Surface spikes are shipped partially assembled for quick and easy installation.



! Spikes must be anchored to a concrete surface. If you do not have a concrete surface (see *Safety First on page 4*), you will need to create a concrete base before installing the surface spikes (refer to illustration for suggested minimum dimensions for concrete base).

1 Position the spike tunnel into place and anchor down to the concrete surface.

! Anchors are not included with spike kit, installer will supply and install accordingly.



2a Fasten the ramp plates on to the spike tunnels using the provided bolts.

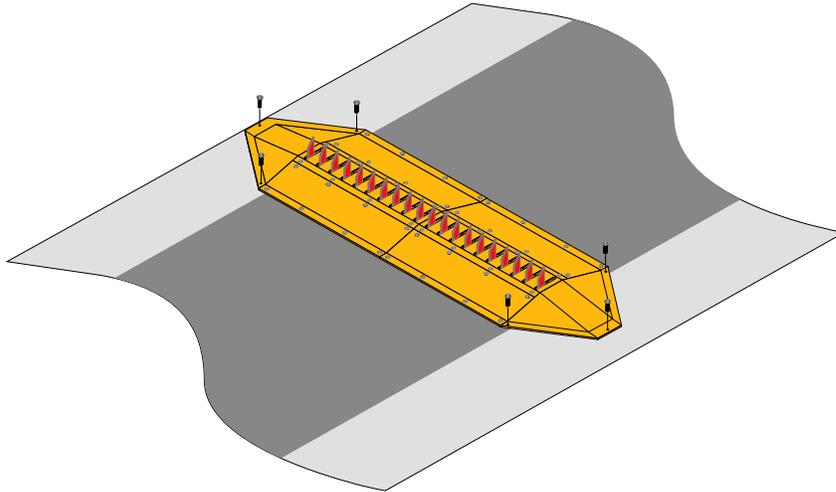
2b Complete the installation by anchoring the lower portion of the ramp plates to the concrete surface.

4

surface spike installation / surface spikes

3

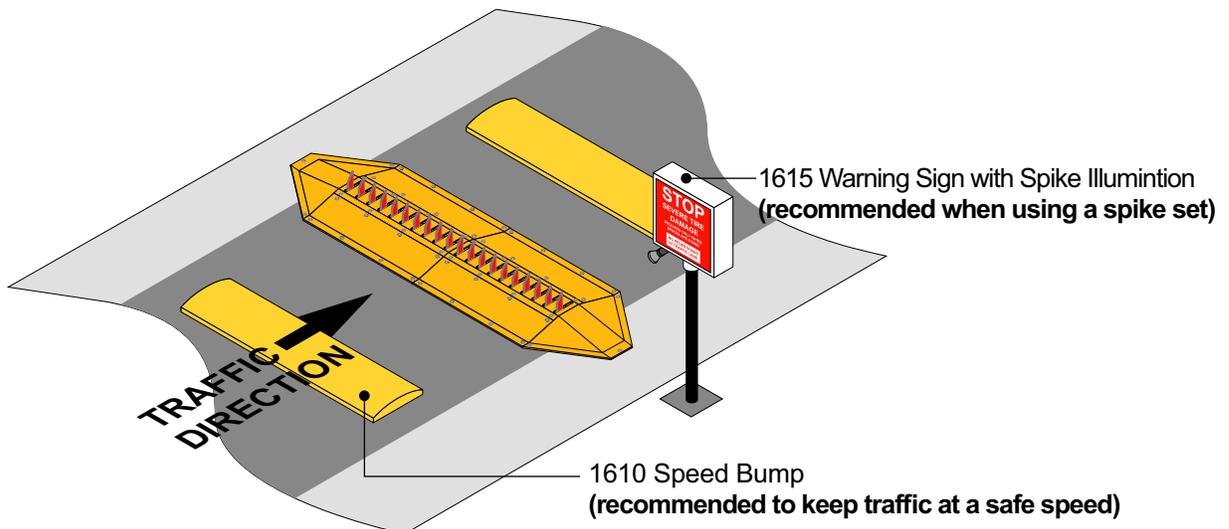
Position the end caps into place and anchor them to the concrete surface.

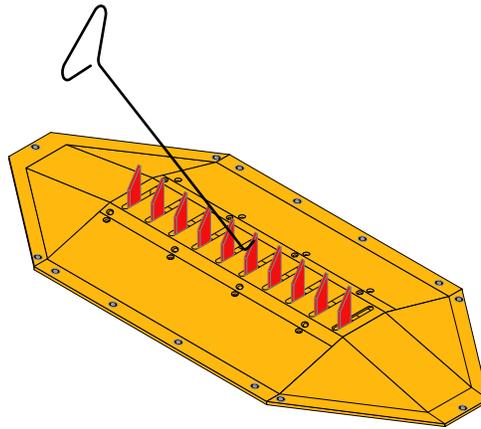


4

Check the spike system; make sure nothing interferes when in motion.

ADDITIONAL SAFETY ACCESSORIES FROM DKS, DOORKING, INC.

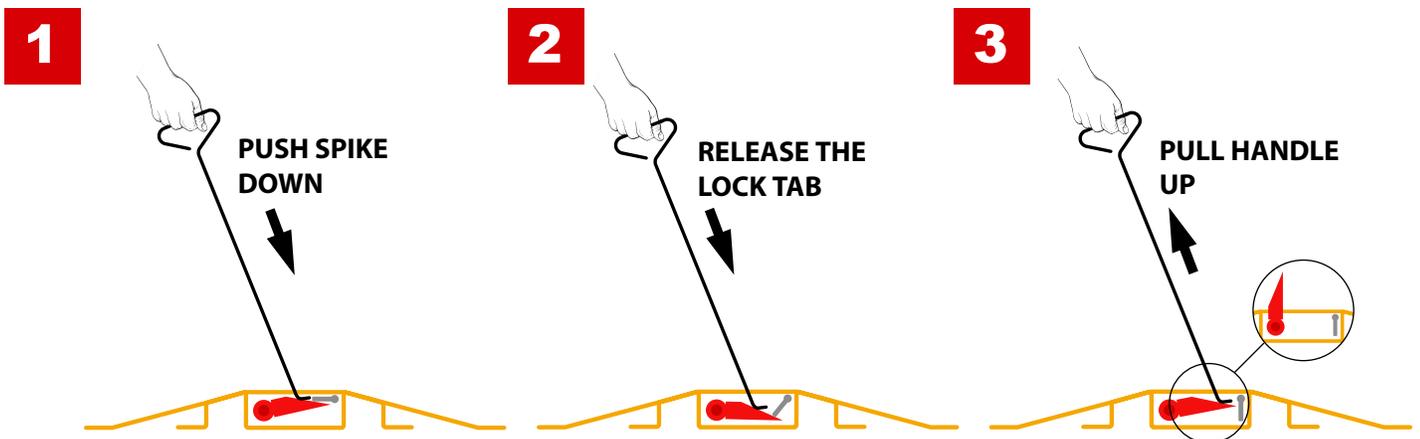




LOWERING SPIKES



RAISING SPIKES





Designed by DKS, DoorKing in California

DKS DoorKing, Inc



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