



COMMONWEALTH of VIRGINIA

Department of General Services Division of Purchases and Supply

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January 12, 2014

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To: Police Chiefs, Sheriffs, and Law Enforcement Authorities in the Commonwealth of Virginia

From: Department of General Services, Division of Purchases and Supply

Subject: Division of Purchases and Supply (DPS) Directive 2014-12-04 Tire Deflation Device Specs

1. **Purpose:** This directive establishes approved minimum standards and specifications for Tire Deflation Devices for the controlled deflation of motor vehicle tires to be used by Commonwealth law-enforcement officers, and is issued pursuant to the Division's authority established in Virginia Code §18.2-324 and §33.1-345, as amended, which stipulates that the *"The Division of Purchases and Supply shall, pursuant to §2.2-1112, set minimum standards for such devices"*.

To comply, DPS established a Standard Specification for equipment used for tire deflation of motor vehicles. The Code of Virginia §18.2-147.2, as amended, establishes that *"It shall be unlawful for any person to manufacture, distribute, have in such person's possession or place upon any highway or private property jackrocks which are primarily designed for the purpose of disabling motor vehicles by puncturing of tires by anyone other than a law-enforcement officer."*

The Standard Specification ("Attachment A") for "Tire Deflation Devices" dated Revision February 11, 2013, was issued for the current State Contract Number E194-72709 (that can be found on the eVA web site under "State Contracts"). As may be needed, this Contract may be replaced or amended hereinafter by the Commonwealth, at any time.

Shoptech, LTD.	Terminator S8405K, S8046K, S8059 Piranha S6001K 9' Rack Kits S3011K, S3012K, S3700K, S3701K 12' Rack Kits S3511K, S3612K, S3702K, S3703K
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Federal Signal, Stinger Spike Systems, Inc.	Stinger Spike Systems: 2010 Metro 2015 Trooper 2025 Defender 3015 XL
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2. **Specifications:** The Standard Specification attached hereto and incorporated herein as "Attachment A", entitled *"Specifications for Tire Deflation Devices"*, and dated February 13, 2013, applies to all Commonwealth of Virginia Law Enforcement Authorities for Tire Deflation Devices purchased on and after June 26, 2013, per §18.2-324, §33.1-345, and §18.2-147.2 of the Code of

Virginia, as amended. State Agencies and State Law Enforcement Authorities are required to use the DPS State Contract for the procurement of Tire Deflation Devices. Public Bodies and non-state Law Enforcement Authorities are not required to use the State Contract for the procurement of Tire Deflation Devices, but are still required to purchase Tire Deflation Devices that comply with this Standard Specification. Public Bodies and non-state Law Enforcement Authorities that have purchased any of the Tire Deflation Devices listed herein through the State Contract or by means other than the State Contract may use this letter as a reference source for compliance documentation. However, Public Bodies and non-state Law Enforcement Authorities which have purchased other Tire Deflation Devices since June 26, 2013 not listed herein, must ascertain that such devices comply with the Standard Specification in effect at that time, and must provide their own documentation and certification.

Sincerely,


J. Peter Stamps, CPPO, VCO
Statewide Strategic Sourcing manager
Division of Purchases and Supply
Department of General Services
Phone: (804) 786-0079

Subscribed and sworn before me on this 30th Day of JANUARY, 2015

My Commission expires: 4/30/17


Notary Public

cc: Robert E. Gleason, Director, DGS/DPS
Colonel W. Steven Flaherty, Superintendent, DSP
Garth Wheeler, Director, DCJS



ATTACHMENT A
SPECIFICATIONS FOR TIRE DEFLATION DEVICES (DEC 3, 2014)

PURPOSE:

The purpose of this specification is to establish a purchase requirement for tire deflation devices for use by Virginia State Police, Law Enforcement Authorities, Agencies and other Public Bodies of the Commonwealth of Virginia for the deflation of vehicle tires pursuant to Sections 18.2-324, 33.1-345 and 2.1-446 of the Code of Virginia, as amended.

SCOPE:

This specification covers deployable tire deflation devices designed to penetrate and deflate the tire(s) of a moving vehicle in a manner that shall avoid instantaneous failure of the penetrated tire(s) ensuring the safest possible means of impeding the mobility of the targeted vehicle.

BIDDER REQUIREMENTS:

The following specifications are intended to define the minimum level of quality and performance of the requested work and not to be restricted by manufacturer, brand, method of configuring a system, and method of accomplishing required functions, unless otherwise indicated. The word "shall" indicates a mandatory requirement. **Bidders shall annotate and return these specification pages to indicate compliance.** The right column across from a specification item shall be used to indicate compliance to the specification requirement. Bidder shall provide pertinent technical data documenting compliance/equivalence with all specifications requirements. The Commonwealth reserves the right to obtain technical data, to request clarifications and to set time limits for response, when deemed necessary. **Failure on the part of the Bidder to provide the aforementioned documentation will be cause to declare the bid non-responsive**

Bidder shall submit a diagram that clearly shows and thoroughly explains the operation of all essential components, sub-assemblies and/or accessories of the complete tire deflation unit. This information shall be submitted for each type of tire deflation unit quoted on the bid sheet. If any data is proprietary information, Bidder shall enclose such data in a separate envelope, and mark "Proprietary Data" on the envelope.

Products provided must be warranted to provide no-cost protection to the Commonwealth for correction or replacement as needed for defects in manufacturing, assembly, or parts. The Officer serviceable deflation device shall have a minimum warranty of 5 years from first use. Non-serviceable and anti-pursuit deflation devices shall have a minimum warranty of 5 years from the date of delivery to the ordering Agency or Public Body. Parts shall be available for at least 2 years following the discontinuance of the manufacturing of the deflation device. Warranty shipping charges both ways shall be at the expense of the Contractor. **Bidders shall submit data to establish that their products can comply with these requirements.** Provide documentation of warranty for the products offered in answer to this invitation for bid in the "WARRANTY" section following the end of the specifications.

Bidder shall provide delivery of deflation devices FOB destination to all Agencies ordering locations. Provide delivery time after receipt of order (ARO) following the end of the specifications.

The equipment offered in answer to this request for bid must be a new and unused current production model of the device required. No prototype, or demonstrator, or rebuilt product will be accepted, and

10. The deflation unit shall be designed to ensure maximum tire penetration.
11. The deflation unit shall be capable of immediate deployment upon receipt of the unit. The Officer shall not have to install the initial spikes.
12. The deflation unit shall be capable of being deployed against any tire diameter.

B. NON-SERVICEABLE MODELS:

1. Non-serviceable models may be interconnected to accomplish the required single or dual lane length.
2. Non-serviceable models shall bear the name of the ordering Agency on each tire deflation device.
3. Interconnected, non-serviceable models shall be provided with a nylon deployment sleeve or cover that shall allow for the rapid removal of the deployed unit from traffic.
4. Non-serviceable models shall be available in a high or low visibility color.

C. OFFICER SERVICEABLE DEVICE MODELS:

1. Officer serviceable models shall be pre-assembled and be of one piece construction.
2. Officer serviceable models shall be of the following types:
 - a. Fixed Spike System or
 - b. Retractable Spike System
3. Officer serviceable models shall work on any type road surface and in any weather condition.
4. Officer serviceable models shall be replaced, at no cost to the Agency, if breakage of the base occurs within the specified warranty period.
5. Single and/or dual lane Officer serviceable models shall be capable of upgrading to longer lane coverage models. This upgrade shall include a case for the new upgraded length.
6. Retractable spike system shall be capable of manual, electric or radio control operation. If the retractable spike system is being operated in electrical remote control mode, the unit shall be capable of operating from a portable power supply or the unfiltered power supply (12V power port) available in a standard automotive vehicle with 10.8 to 16.5 volts negative ground. Current drain on the vehicle's electrical system should not exceed 2.0 amperes.

D. ANTI-PURSUIT DEVICE MODELS:

1. Items B. and C. of the Tire Deflation Device Specifications do not apply to this model.
2. The Anti-pursuit deflation device shall provide a means to penetrate and deflate the tire of a stationary target vehicle, if the target vehicle is moved

E. DEFLATION UNIT ACCESSORIES:

1. The Officer serviceable units shall be furnished with the following (Except Anti-pursuit models):
 - a. Fixed Spike System:
 - 1) Carrying Case
 - 2) Spike replacement tool, if necessary
 - 3) Replacement cartridges or spikes with rubber inserts and caps.
 - 4) Deployment rope/cord/cable (Minimum length 35 ft)
 - b. Retractable Spike System:
 - 1) Carrying Case
 - 2) Spike replacement tool, if necessary
 - 3) Replacement cartridges or spikes with rubber inserts and caps.
 - 4) Deployment rope/cord/cable (Minimum length 35 ft)
2. The non-serviceable unit shall be furnished with the following (Except Anti-pursuit models):
 - a. Mounting tray for trunk mounting (Interconnecting Models)
 - b. Nylon deployment sleeve or cover
 - c. Nylon deployment rope (Minimum length 35 ft)
3. All accessories shall also be available for separate purchase.

F: CARRYING CASE:

Contractor shall furnish one carrying case for each Officer serviceable unit when requested by the ordering Agency or Public Body:

1. The outer case shall bear the unit's model and serial number.
2. The case shall also bear the name of the ordering Agency.
3. The case shall be designed to keep dust and rain from entering the carrying case if unit is temporarily exposed to the weather.
4. The carrying case shall have a carrying handle or slot, and smooth, rounded corners, and no sharp edges for safety.
5. Deployment and maintenance instructions shall be affixed to the inside of the case and in non-obstructive view of the Officer when the case is opened.

G: MOUNTING TRAY:

Contractor furnish a light weight, trunk mountable tray that be

