



# BUREAU *of* DIPLOMATIC SECURITY

U.S. DEPARTMENT *OF* STATE

## CERTIFIED ANTI-RAM VEHICLE BARRIERS

Tuesday, October 03, 2006

The Department of State's (DOS) physical security concept is to create a layered or "tiered" defensive system which consists of both active and passive perimeter barriers to delay intruders. The Department has a performance standard and testing procedure for both active entrance barriers and passive perimeter barriers designated as "vehicle-impact rated barriers," or "anti-ram barriers." This standard is SD-STD-02.01, Vehicle Crash Testing of Perimeter Barriers and Gates, Revision A, dated March 2003.

This test standard further rates the anti-ram barriers within three categories: K12, K8 and K4. The rating of the barrier is determined when a 15,000 lb. (6810 kg) gross-weight vehicle impacts a barrier from a perpendicular direction. A K12 rating is achieved when a vehicle traveling at a nominal speed of 50 mph (80 kph) is successfully arrested by the barrier from the perpendicular direction. A K8 rating is achieved for a nominal speed of 40 mph (65 kph); and, a K4 rating is achieved for a nominal speed of 30 mph (50 kph). In order to be DOS certified at any rating, the maximum penetration of the cargo bed must be 1 meter or less.

The following list of DOS certified anti-ram barriers offers a mix of active barriers for use at entrances, and passive, fixed barriers for other perimeter applications. This certification only addresses the ability of the barrier, in its secure position, to withstand the impact and prevent penetration. It does not address operational suitability. Each physical security system must be chosen and tailored to the needs and local conditions of the individual installation. Should you have questions concerning the most effective system for your installation or facility, please feel free to contact the Physical Security Division within the Bureau of Diplomatic Security, at the following U.S. Department of State email address or through U.S. mail at the below address.

Mailing Address:  
United States Department of State  
Attn: DS/PSP/PSD Research and Development  
Building SA-14, 8th Floor  
Washington, DC 20520-1403

Email Address:  
DSPSPPSDR&D@State.gov

The following barriers meet the certification criteria of the Department of State Standard SD-STD-02.01, Revision A, March 2003. Note that anti-ram barrier certification applies to crash performance only and not operational suitability or maintainability. DOS is not liable for improper installation of DOS certified equipment.



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**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

Type of Barrier: Active Beam

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	Model 400A <u>Description:</u> Sliding beam	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	<a href="http://www.bb-armr.com">http://www.bb-armr.com</a> Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K 4	Bosik Bar VBS <u>Description:</u> Shallow foundation crash beam	Vanguard Protective Technologies 5459 Canotek Road, Ottawa, Ontario, Canada, K1J9M3	<a href="http://www.allen-vanguard.com/">http://www.allen-vanguard.com/</a> Phone: (613) 749-8343 Fax: (613) 749-8861 Toll Free:
K12	Patriot <u>Description:</u> Hydraulic rising beam	Boon Edam Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	<a href="http://www.intertexbb.com/">http://www.intertexbb.com/</a> Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K12	VSH 610 <u>Description:</u> Hydraulic rising beam	Heintzmann Security Systems Bessemerst. 80, D-44793 Bochum, Germany	Phone: +(492) 349-1440 Fax: +49(234) 914-4254 Toll Free:
K12	Bosik Bar VBS <u>Description:</u> Deep foundation crash beam	Vanguard Protective Technologies 5459 Canotek Road, Ottawa, Ontario, Canada, K1J9M3	<a href="http://www.allen-vanguard.com/">http://www.allen-vanguard.com/</a> Phone: (613) 749-8343 Fax: (613) 749-8861 Toll Free:

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**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

Type of Barrier: Active Bollard

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	Defender <u>Description:</u> Retractable bollards	Boon Edam Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	<a href="http://www.intertexbb.com/">http://www.intertexbb.com/</a> Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K 4	DSC800 <u>Description:</u> Retractable bollards	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K 4	Hard Post EP-354A/ST 650 <u>Description:</u> Retractable bollards	U.S. Koei Technologies, Inc. 25506 Crenshaw Blvd, Torrance, CA 90505	Phone: (310) 326-4053 Fax: (310) 326-4098 Toll Free:
K 8	DSC701 <u>Description:</u> Retractable bollards	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K 8	Eagle Series Bollards <u>Description:</u> Retractable bollards	Eagle Security Group International, Inc. 4001 Carmichael Center, Suite 240, Montgomery, AL 36106	<a href="http://www.eaglesecgrp.com/">http://www.eaglesecgrp.com/</a> Phone: (334) 279-1557 Fax: (334) 279-4959 Toll Free:
K 8	Hard Post EP-354A/ST 700 <u>Description:</u> Retractable bollards	U.S. Koei Technologies, Inc. 25506 Crenshaw Blvd, Torrance, CA 90505	Phone: (310) 326-4053 Fax: (310) 326-4098 Toll Free:

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Type of Barrier: Active Bollard

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	DSC720 <u>Description:</u> Retractable bollards	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	NMSB VI <u>Description:</u> Retractable bollards	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	<a href="http://www.nbistop.com/index.html">http://www.nbistop.com/index.html</a> Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NITS Model 400 <u>Description:</u> Retractable bollards	National Intelligent Traffic Systems 5131 Post Road, Suite 300, Dublin, OH 43017	<a href="http://www.nationalits.com/default.asp">http://www.nationalits.com/default.asp</a> Phone: (614) 526-3231 Fax: (614) 526-3227 Toll Free:
K12	DRT K-12 <u>Description:</u> Retractable bollards	Perimeter Defense Technologies, LP 4315 SCR 1290, Odessa, TX 79765	<a href="http://www.perimeterdefensetech.com/page2.html">http://www.perimeterdefensetech.com/page2.html</a> Phone: (432) 561-8006 Fax: (432) 561-8031 Toll Free:
K12	PDT1200 <u>Description:</u> Retractable bollards	Perimeter Defense Technologies, LP 4315 SCR 1290, Odessa, TX 79765	<a href="http://www.perimeterdefensetech.com/page2.html">http://www.perimeterdefensetech.com/page2.html</a> Phone: (432) 561-8006 Fax: (432) 561-8031 Toll Free:
K12	Hard Post EP-354A <u>Description:</u> Retractable bollards	U.S. Koei Technologies, Inc. 25506 Crenshaw Blvd, Torrance, CA 90505	Phone: (310) 326-4053 Fax: (310) 326-4098 Toll Free:

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Type of Barrier: Active Drop Arm/Bar

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	Model 730 <u>Description:</u> Hydraulic drop-arm bar	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	<a href="http://www.bb-armr.com">http://www.bb-armr.com</a> Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K 4	StopGate Barrier Arm <u>Description:</u> 32 foot barrier arm	Energy Absorption Systems, Inc. 3617 Cincinnati Avenue, Rocklin, CA 95765	<a href="http://www.energyabsorption.com/index.htm">http://www.energyabsorption.com/index.htm</a> Phone: (916) 645-8181 Fax: (916) 645-3495 Toll Free:
K 4	Model 730 <u>Description:</u> Hydraulic drop bar	Salzer Building Security Dietrich-Bonhoeffer Street 1-3, D-35037 Marburg, Germany	<a href="http://www.saelzer.de/">http://www.saelzer.de/</a> Phone: 496(421) 93-8168 Fax: 496(421) 93-8191 Toll Free:
K 8	VPL-CB-24 <u>Description:</u> Anti-ram drop arm bar	Autogate, Inc. 7306 Driver Road, Berlin Heights, OH 44814	<a href="http://www.autogate.com/">http://www.autogate.com/</a> Phone: (800) 944-4283 Fax: (419) 588-3514 Toll Free: (800) 944-4283
K12	DSC7000 <u>Description:</u> Drop-arm barrier with manual or hydraulic capabilities	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	NMSB XII <u>Description:</u> Hydraulic drop-arm bar	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	<a href="http://www.nbistop.com/index.html">http://www.nbistop.com/index.html</a> Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:

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Type of Barrier: Active Drop Arm/Bar

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	Permanent Arrestor <u>Description:</u> Surface-mounted hydraulic gate arm	PRO Barrier Engineering LLC 228 Grandview Drive, Hummelstown, PA 17036	<a href="http://www.probarrier.com/">http://www.probarrier.com/</a> Phone: (717) 566-9347 Fax: (717) 566-9309 Toll Free:

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Type of Barrier: Active Gate

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	Model 400 <u>Description:</u> Sliding gate	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	<a href="http://www.bb-armr.com">http://www.bb-armr.com</a> Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K 4	SGHS1209 (NOR40) <u>Description:</u> Sliding gate	Norshield Security Products 3224 Mobile Highway, Montgomery, AL 36108	<a href="http://www.norshield.net">http://www.norshield.net</a> Phone: (334) 281-8440 Fax: (334) 286-4399 Toll Free: (800) 633-1968
K 4	FIGS <u>Description:</u> Sliding gate	Tymetal Corporation 2549 State Route 40, Greenwich, NY 12834	<a href="http://www.tymetal.com/">http://www.tymetal.com/</a> Phone: (800) 328-4283 Fax: (518) 692-9404 Toll Free: (800) 328-4283
K12	Model 450A <u>Description:</u> Sliding beam	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	<a href="http://www.bb-armr.com">http://www.bb-armr.com</a> Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K12	Model 450 <u>Description:</u> Sliding gate	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	<a href="http://www.bb-armr.com">http://www.bb-armr.com</a> Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K12	Model 32503 <u>Description:</u> Manual security gate	Creative Building Products 6409 Highview Drive, Fort Wayne, IN 46818- 1385	<a href="http://www.soacorp.com/index.htm">http://www.soacorp.com/index.htm</a> Phone: (260) 432-7158 Fax: (260) 459-0929 Toll Free: (800) 860-2855

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Type of Barrier: Active Gate

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	TT280 <u>Description:</u> Sliding gate	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	NMSB XX <u>Description:</u> Sliding gate	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	<a href="http://www.nbistop.com/index.html">http://www.nbistop.com/index.html</a> Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K 8	GRAB K8 36-ft. Lane <u>Description:</u> Road closure system; energy absorbing net	Universal Safety Response, Inc. 277 Mallory Station Road, Suite 112, Franklin, TN 37067	<a href="http://www.usrgrab.com/">http://www.usrgrab.com/</a> Phone: (615) 224-0400 Fax: (615) 224-0411 Toll Free:
K 8	GRAB K8 Single Lane <u>Description:</u> Road closure system; energy absorbing net	Universal Safety Response, Inc. 277 Mallory Station Road, Suite 112, Franklin, TN 37067	<a href="http://www.usrgrab.com/">http://www.usrgrab.com/</a> Phone: (615) 224-0400 Fax: (615) 224-0411 Toll Free:
K12	Barrier1 <u>Description:</u> Road closure system; 60 foot net based barrier	Barrier1 Systems, Inc. 818 Northern Shores Point, Greensboro, NC 27455	<a href="http://www.barrier1.us/">http://www.barrier1.us/</a> Phone: (336) 362-1980 Fax: (336) 288-9879 Toll Free:
K12	GRAB K12 36-ft. Lane <u>Description:</u> Road closure system; energy absorbing net	Universal Safety Response, Inc. 277 Mallory Station Road, Suite 112, Franklin, TN 37067	<a href="http://www.usrgrab.com/">http://www.usrgrab.com/</a> Phone: (615) 224-0400 Fax: (615) 224-0411 Toll Free:

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**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

Type of Barrier: Active Wedge

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 8	Mini-Magnum <u>Description:</u> Narrow blade hydraulic wedge	Boon Edam Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	<a href="http://www.intertexbb.com/">http://www.intertexbb.com/</a> Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K 8	RSS-2000 <u>Description:</u> Electric wedge barrier	Robotic Security Systems, Inc. 6530 Highway 22, Panama City, FL 32404	<a href="http://www.rssibarriers.com/">http://www.rssibarriers.com/</a> Phone: (866) 249-1029 Fax: (850) 874-2189 Toll Free: (866) 249-1029
K 8	Bavak Roadblocker <u>Description:</u> Wedge barrier	Sampson Security Group, Bavak USA 3321 Christina Drive, Dana Point, CA 92629	<a href="http://www.sampsonsecurity.com/">http://www.sampsonsecurity.com/</a> Phone: (866) 481-2388 Fax: (949) 388-0669 Toll Free: (866) 481-2388
K12	RSB 78 <u>Description:</u> Surface-mounted hydraulic wedge without buttresses	Automatic Systems America, Inc. 8 Haven Avenue, Suite 205, Port Washington, NY 11050	<a href="http://www.automaticsystems.com/">http://www.automaticsystems.com/</a> Phone: (516) 944-9498 Fax: (516) 767-3446 Toll Free:
K12	Model 820 <u>Description:</u> Hydraulic shallow-mount plate	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	<a href="http://www.bb-armr.com">http://www.bb-armr.com</a> Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K12	Magnum <u>Description:</u> Hydraulic wedge	Boon Edam Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	<a href="http://www.intertexbb.com/">http://www.intertexbb.com/</a> Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:

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Type of Barrier: Active Wedge

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	Stinger <u>Description:</u> Shallow mount hydraulic wedge	Boon Edam Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	<a href="http://www.intertexbb.com/">http://www.intertexbb.com/</a> Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K12	TT207S/FM <u>Description:</u> Surface-mounted hydraulic wedge	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	TT207S <u>Description:</u> Surface-mounted hydraulic wedge	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	DSC501 <u>Description:</u> surface-mounted hydraulic wedge without buttresses	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	DSC2000 <u>Description:</u> Surface-mounted hydraulic wedge without buttresses	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	Eagle Series Wedge Barrier <u>Description:</u> Shallow mount hydraulic wedge	Eagle Security Group International, Inc. 4001 Carmichael Center, Suite 240, Montgomery, AL 36106	<a href="http://www.eaglesecgrp.com/">http://www.eaglesecgrp.com/</a> Phone: (334) 279-1557 Fax: (334) 279-4959 Toll Free:

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Type of Barrier: Active Wedge

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	NMSB V <u>Description:</u> Hydraulic wedge	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	<a href="http://www.nbistop.com/index.html">http://www.nbistop.com/index.html</a> Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NMSB IIIb <u>Description:</u> Surface-mounted hydraulic wedge; single buttress	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	<a href="http://www.nbistop.com/index.html">http://www.nbistop.com/index.html</a> Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NMSB IV <u>Description:</u> Hydraulic wedge	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	<a href="http://www.nbistop.com/index.html">http://www.nbistop.com/index.html</a> Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NMSB IIIc <u>Description:</u> Surface-mounted hydraulic wedge; no buttresses	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	<a href="http://www.nbistop.com/index.html">http://www.nbistop.com/index.html</a> Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NMSB II <u>Description:</u> Surface-mounted hydraulic wedge; double buttress	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	<a href="http://www.nbistop.com/index.html">http://www.nbistop.com/index.html</a> Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	WBHS916 (NOR82) <u>Description:</u> Shallow-mounted hydraulic wedge	Norshield Security Products 3224 Mobile Highway, Montgomery, AL 36108	<a href="http://www.norshield.net">http://www.norshield.net</a> Phone: (334) 281-8440 Fax: (334) 286-4399 Toll Free: (800) 633-1968

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Type of Barrier: Active Wedge

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	VSB-F10 <u>Description:</u> Hydraulic wedge	Performance Development Corporation 109 Jefferson Ave., Oak Ridge, TN 37830	<a href="http://www.pdcproducts.com/fixedinvert.html">http://www.pdcproducts.com/fixedinvert.html</a> Phone: (865) 481-2280 Fax: (865) 425-1249 Toll Free:
K12	RSS-2000 <u>Description:</u> Electric wedge barrier	Robotic Security Systems, Inc. 6530 Highway 22, Panama City, FL 32404	<a href="http://www.rssibarriers.com/">http://www.rssibarriers.com/</a> Phone: (866) 249-1029 Fax: (850) 874-2189 Toll Free: (866) 249-1029

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**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

Type of Barrier: **Passive Bollard**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	ASP1-0706 <u>Description:</u> Shallow bollard system	Atlas Security Products, Inc. P.O. Box 59423, Rockville, MD 20859	<a href="http://www.atlasspi.com">http://www.atlasspi.com</a> Phone: (866) 472-8527 Fax: (240) 238-2814 Toll Free: (866) 472-8527
K 4	DSC800FP <u>Description:</u> Fixed bollards	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K 4	CBHS1230 (NSS30) <u>Description:</u> Fixed bollards	Norshield Security Products 3224 Mobile Highway, Montgomery, AL 36108	<a href="http://www.norshield.net">http://www.norshield.net</a> Phone: (334) 281-8440 Fax: (334) 286-4399 Toll Free: (800) 633-1968
K 4	Anti-Ram Bollard System <u>Description:</u> Anti-ram bollard system with 5 inch footing	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	<a href="http://www.rsaprotect.com/">http://www.rsaprotect.com/</a> Phone: (909) 946-0964 Fax: (909) 946-1186 Toll Free:
K 4	Foundation Bollard Pad <u>Description:</u> 14 inch depth fixed bollards	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	<a href="http://www.rsaprotect.com/">http://www.rsaprotect.com/</a> Phone: (909) 946-0964 Fax: (909) 946-1186 Toll Free:
K 4	Model K4 <u>Description:</u> Fixed bollards	Secure Site Design LLC (Victor Stanley Inc) P.O. Box 60910, Potomac, MD 20859	<a href="http://www.securesitedesign.com/">http://www.securesitedesign.com/</a> Phone: (410) 286-3375 Fax: (410) 479-0175 Toll Free: (800) 268-4726

The following barriers meet the certification criteria of the Department of State Standard SD-STD-02.01, Revision A, March 2003. Note that anti-ram barrier certification applies to crash performance only and not operational suitability or maintainability. DOS is not liable for improper installation of DOS certified equipment.



BUREAU of DIPLOMATIC SECURITY

**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

**Type of Barrier: Passive Bollard**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	Shallow Mount Bollard System <u>Description:</u> Shallow-mounted bollard system	Secure USA, Incorporated 4250 Keith Bridge Road, Suite 160, Cumming, GA 30041	<a href="http://www.secureusa.net/">http://www.secureusa.net/</a> Phone: (770) 205-0789 Fax: (770) 889-7939 Toll Free: (888) 222-4559
K 8	DSC701FP <u>Description:</u> Fixed bollards	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K 8	Anti-Ram Bollard System <u>Description:</u> Anti-ram bollard system with 5 inch footing	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	<a href="http://www.rsaprotect.com/">http://www.rsaprotect.com/</a> Phone: (909) 946-0964 Fax: (909) 946-1186 Toll Free:
K 8	Anti-Ram Bollard System <u>Description:</u> Anti-ram bollard system with 8 inch footing	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	<a href="http://www.rsaprotect.com/">http://www.rsaprotect.com/</a> Phone: (909) 946-0964 Fax: (909) 946-1186 Toll Free:
K12	Titan <u>Description:</u> Bollard	Boon Edam Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	<a href="http://www.intertexbb.com/">http://www.intertexbb.com/</a> Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K12	DSC720FP <u>Description:</u> Fixed bollards	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	<a href="http://www.deltascientific.com/home.htm">http://www.deltascientific.com/home.htm</a> Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:

The following barriers meet the certification criteria of the Department of State Standard SD-STD-02.01, Revision A, March 2003. Note that anti-ram barrier certification applies to crash performance only and not operational suitability or maintainability. DOS is not liable for improper installation of DOS certified equipment.



BUREAU of DIPLOMATIC SECURITY

**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

**Type of Barrier: Passive Bollard**

<u>Rating</u>	<u>Model</u>	<u>Manufacturer/Designer/Distributor</u>	<u>Contact Information</u>
K12	DS-22R <u>Description:</u> Removable concrete-filled steel bollards	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:
K12	DS-22 <u>Description:</u> Concrete-filled steel bollards with 48 inch opening	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:
K12	DS-10 <u>Description:</u> Pedestrian passage concrete-filled steel bollards in groups of three	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:
K12	DS-1 <u>Description:</u> Concrete-filled steel bollards (36 inches on center) with connecting channel	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:

The following barriers meet the certification criteria of the Department of State Standard SD-STD-02.01, Revision A, March 2003. Note that anti-ram barrier certification applies to crash performance only and not operational suitability or maintainability. DOS is not liable for improper installation of DOS certified equipment.



BUREAU of DIPLOMATIC SECURITY

**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

**Type of Barrier: Passive Fence**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 8	Ameristar Impasse Perimeter Security Fence <u>Description:</u> Security fence with two 1 inch cables diagonally anchored; incorporated with an anti-climb fence	Ameristar Fence Products 1555 N. Mingo Road, Tulsa, OK 74116	<a href="http://www.ameristarfence.com/">http://www.ameristarfence.com/</a> Phone: (866) 467-2773 Fax: (918) 879-6001 Toll Free: (866) 467-2773
K 8	Merchant Metals High Security Fence System <u>Description:</u> Cable fence system	Merchants Metals 3838 N. Sam Houston Parkway E, Suite 600, Houston, TX 77032	<a href="http://www.merchantsmetals.com/default.asp">http://www.merchantsmetals.com/default.asp</a> Phone: (281) 372-3800 Fax: (281) 372-3801 Toll Free: (866) 888-5611
K12	Ameristar Impasse Perimeter Security Fence <u>Description:</u> Security fence with three 1 inch cables with bollard anchorage.	Ameristar Fence Products 1555 N. Mingo Road, Tulsa, OK 74116	<a href="http://www.ameristarfence.com/">http://www.ameristarfence.com/</a> Phone: (866) 467-2773 Fax: (918) 879-6001 Toll Free: (866) 467-2773
K12	DS-40 <u>Description:</u> Anti-ram, anti-climb fence	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:

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BUREAU of DIPLOMATIC SECURITY

**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

**Type of Barrier: Passive Planter/Other Passive Surface Barriers**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	C4315 <u>Description:</u> Two deep bottom tier with two deep top tier; 3 ft. x 4 ft. open-topped sand-filled cube	HESCO Bastion, LTC 37 Knowsthorpe Gate, Cross Green Ind. Estate, Leeds LS9 0NP, UK	<a href="http://www.hescobastion.com/US_site/enter_us.html">http://www.hescobastion.com/US_site/enter_us.html</a> Phone: +44 11(3 2) 48 -6633 Fax: +44 11(3 2) 48 -3501 Toll Free:
K12	Mil 3 <u>Description:</u> Two deep bottom tier with a single top tier of open-topped sand-filled cubes	HESCO Bastion, LTC 37 Knowsthorpe Gate, Cross Green Ind. Estate, Leeds LS9 0NP, UK	<a href="http://www.hescobastion.com/US_site/enter_us.html">http://www.hescobastion.com/US_site/enter_us.html</a> Phone: +44 11(3 2) 48 -6633 Fax: +44 11(3 2) 48 -3501 Toll Free:
K12	C3315 <u>Description:</u> Two deep bottom tier with two deep top tier; 3 ft. x 3 ft. open-topped sand-filled cube	HESCO Bastion, LTC 37 Knowsthorpe Gate, Cross Green Ind. Estate, Leeds LS9 0NP, UK	<a href="http://www.hescobastion.com/US_site/enter_us.html">http://www.hescobastion.com/US_site/enter_us.html</a> Phone: +44 11(3 2) 48 -6633 Fax: +44 11(3 2) 48 -3501 Toll Free:
K12	Mil 1 <u>Description:</u> Two deep bottom tier with a single top tier of open-topped sand-filled cubes	HESCO Bastion, LTC 37 Knowsthorpe Gate, Cross Green Ind. Estate, Leeds LS9 0NP, UK	<a href="http://www.hescobastion.com/US_site/enter_us.html">http://www.hescobastion.com/US_site/enter_us.html</a> Phone: +44 11(3 2) 48 -6633 Fax: +44 11(3 2) 48 -3501 Toll Free:
K12	DS-9 <u>Description:</u> Reinforced concrete planter	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:

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BUREAU of DIPLOMATIC SECURITY

**DS CERTIFIED ANTI-RAM VEHICLE BARRIERS**

**Type of Barrier: Passive Wall**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	DS-7 <u>Description:</u> Anti-ram foundation wall	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:
K12	Metalith Perimeter Security Wall <u>Description:</u> Sand-filled wall	Corrugated Metals, Inc. 3575 Morreim Drive, Belvidere, IL 61008	<a href="http://www.corrugated-metals.com/metalith.html">http://www.corrugated-metals.com/metalith.html</a> Phone: (815) 323-1310 Fax: (815) 323-1317 Toll Free: (800) 621-5617
K12	CBP05001 Perimeter Wall <u>Description:</u> Sand-filled wall	Creative Building Products 6409 Highview Drive, Fort Wayne, IN 46818-1385	<a href="http://www.soacorp.com/index.htm">http://www.soacorp.com/index.htm</a> Phone: (260) 432-7158 Fax: (260) 459-0929 Toll Free: (800) 860-2855
K12	DS-30 <u>Description:</u> 10 inch thick reinforced concrete wall; 9 feet tall	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:
K12	DS-6 <u>Description:</u> Anti-ram knee wall; 20 inches thick; 36 inches tall	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:
K12	DS-50 <u>Description:</u> Anti-ram knee wall; 39 inches tall	U.S. Department of State DS/PSD, SA-14, 8th Flr, Washington, DC 20522	Phone: (703) 312-3215 Fax: (703) 312-3177 Toll Free:

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