



BUREAU *of* DIPLOMATIC SECURITY

U.S. DEPARTMENT *OF* STATE

DS CERTIFIED ANTI-RAM VEHICLE BARRIERS

Tuesday, April 29, 2008

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." The current 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 penetration of the cargo bed must not exceed 1 meter beyond the pre-impact inside edge of the barrier.

The following list of DOS certified anti-ram barriers includes active barriers for use at entrances, and passive, fixed barriers for other perimeter applications. Note, this test standard was designed in light of particular security considerations faced by DOS, e.g. facilities in an urban environment with setback of 100 feet or less. In addition, product/design certification under this test standard only addresses the ability of the barrier to withstand the impact of the test vehicle. It does not represent an overall endorsement of the product/design or address its operational suitability or maintainability. Each physical security system must be chosen and tailored to the needs and local conditions of the individual installation. Any questions regarding the certification standard or this list can be sent to 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:
DSPSPPSDRND@State.Gov

NOTE: This certification list supersedes all previous copies. Please refer to the date above to ensure you have the most up to date certification list.

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.



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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	http://www.bb-armr.com Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K 4	K4 Beam - 9 meters <u>Description:</u> Hydraulic rising beam	Gunnebo Wego GmbH Johann-Reineke-Strasse 6-10, 33154 Salzkotten, Germany	http://www.gunnebo.com Phone: +49(534) 180-2164 Fax: +49(534) 180-2185 Toll Free: +49(534) 180-2136
K 4	Bosik Bar VBS <u>Description:</u> Shallow foundation crash beam	Vanguard Protective Technologies 5459 Canotek Road, Ottawa, Ontario, Canada, K1J9M3	http://www.allen-vanguard.com/ 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	http://www.boonedamtomsed.com Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K12	DSC7500 <u>Description:</u> Hydraulic rising beam	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	K12 Beam - 6 meters <u>Description:</u> Hydraulic rising beam	Gunnebo Wego GmbH Johann-Reineke-Strasse 6-10, 33154 Salzkotten, Germany	http://www.gunnebo.com Phone: +49(534) 180-2164 Fax: +49(534) 180-2185 Toll Free: +49(534) 180-2136

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Type of Barrier: Active Beam

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	VSH 610 - 8.2M <u>Description:</u> Hydraulic rising beam	Heintzmann Security Systems Bessemerst. 80, D-44793 Bochum, Germany	www.heintzmann-si.de Phone: +(492) 349-1440 Fax: +49(234) 914-4254 Toll Free:
K12	VSH 610 <u>Description:</u> Hydraulic rising beam	Heintzmann Security Systems Bessemerst. 80, D-44793 Bochum, Germany	www.heintzmann-si.de 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	http://www.allen-vanguard.com/ Phone: (613) 749-8343 Fax: (613) 749-8861 Toll Free:

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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	http://www.boonedamtomsed.com 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	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K 4	K4 Single Rising Bollard <u>Description:</u> Hydraulic rising bollard	Gunnebo Wego GmbH Johann-Reineke-Strasse 6-10, 33154 Salzkotten, Germany	http://www.gunnebo.com Phone: +49(534) 180-2164 Fax: +49(534) 180-2185 Toll Free: +49(534) 180-2136
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	http://www.deltascientific.com/home.htm 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	http://www.eaglesecgrp.com/ Phone: (334) 279-1557 Fax: (334) 279-4959 Toll Free:

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Type of Barrier: Active Bollard

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
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:
K12	Titan <u>Description:</u> Retractable bollard	Boon, Edam, Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	http://www.boonedamtomsed.com Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K12	PDT1200 <u>Description:</u> Retractable bollards	Cal Pipe Security Bollards 9650 Washburn Road, Downey, CA 90241	http://www.calpipebollards.com/ Phone: (562) 803-4388 Fax: (562) 803-9883 Toll Free: (800) 225-7473
K12	DSC720 <u>Description:</u> Retractable bollards	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	http://www.deltascientific.com/home.htm 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	http://www.nbistop.com/index.html 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	http://www.nationalits.com/default.asp Phone: (614) 526-3231 Fax: (614) 526-3227 Toll Free:

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Type of Barrier: Active Bollard

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	DRT K-12 <u>Description:</u> Retractable bollards	Scopelock Security Systems, Inc. 2563 E. 2nd Street, Odessa, TX 79760	http://www.scopelocksecurity.com/ Phone: (432) 337-5625 Fax: (432) 337-6449 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 Cable-Based System**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 8	GRAB K8 Single Lane <u>Description:</u> Cable-based system. Note: Allowed for less than 1 meter of dynamic penetration.	Universal Safety Response, Inc. 277 Mallory Station Road, Suite 112, Franklin, TN 37067	http://www.usrgrab.com/ Phone: (615) 224-0400 Fax: (615) 224-0411 Toll Free:
K 8	GRAB K8 36-ft. Lane <u>Description:</u> Cable-based system. Note: Allowed for 5.7 meters of dynamic penetration before vehicle came to rest.	Universal Safety Response, Inc. 277 Mallory Station Road, Suite 112, Franklin, TN 37067	http://www.usrgrab.com/ Phone: (615) 224-0400 Fax: (615) 224-0411 Toll Free:
K12	Barrier1 <u>Description:</u> Cable-based system; Note: allowed for 2.46 meters of dynamic penetration before vehicle came to rest.	Barrier1 Systems, Inc. 818 Northen Shores Point, Greensboro, NC 27455	http://www.barrier1.us/ Phone: (336) 362-1980 Fax: (336) 288-9879 Toll Free:
K12	GRAB K12 36-ft. Lane <u>Description:</u> Cable-based system. Note: Allowed for 6.06 meters of dynamic penetration before vehicle came to rest.	Universal Safety Response, Inc. 277 Mallory Station Road, Suite 112, Franklin, TN 37067	http://www.usrgrab.com/ Phone: (615) 224-0400 Fax: (615) 224-0411 Toll Free:

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Type of Barrier: Active Drop Arm/Bar

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	CRB-240 <u>Description:</u> Drop arm gate barrier	American Anti Ram 541 Eastpark Court, Sandston, VA 23150	http://www.americanantiram.com/index2.htm Phone: (804) 737-1825 Fax: (804) 737-5797 Toll Free:
K 4	Model 730 <u>Description:</u> Hydraulic drop-arm bar	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	http://www.bb-armr.com Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K 4	StopGate Barrier Arm <u>Description:</u> 32 ft. barrier arm	Energy Absorption Systems, Inc. 3617 Cincinnati Avenue, Rocklin, CA 95765	http://www.energyabsorption.com/index.htm Phone: (916) 645-8181 Fax: (916) 645-3495 Toll Free:
K 4	Model 730 <u>Description:</u> Hydraulic drop bar	Salzer GmbH Building Security Dietrich-Bonhoeffer Street 1-3, D-35037 Marburg, Germany	http://www.saelzer.de/ 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	http://www.autogate.com/ Phone: (800) 944-4283 Fax: (419) 588-3514 Toll Free: (800) 944-4283
K12	VPL-CB-24 <u>Description:</u> Anti-ram drop arm bar; This barrier also tested at the K8 level	Autogate, Inc. 7306 Driver Road, Berlin Heights, OH 44814	http://www.autogate.com/ Phone: (800) 944-4283 Fax: (419) 588-3514 Toll Free: (800) 944-4283

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Type of Barrier: **Active Drop Arm/Bar**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	DSC7000 <u>Description:</u> Drop-arm barrier with manual or hydraulic capabilities	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	NMSB XII <u>Description:</u> Hydraulic drop-arm bar; 18 ft. variant	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	http://www.nbistop.com/index.html Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NMSB XII <u>Description:</u> Hydraulic drop-arm bar; 12 ft. variant	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	http://www.nbistop.com/index.html Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	Permanent Arrestor <u>Description:</u> Surface-mounted hydraulic gate arm	PRO Barrier Engineering LLC 228 Grandview Drive, Hummelstown, PA 17036	http://www.probarrier.com/ 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	http://www.bb-armr.com Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K 4	NOR40 <u>Description:</u> Sliding gate	Norshield Security Products 3224 Mobile Highway, Montgomery, AL 36108	http://www.norshield.net 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	http://www.tymetal.com/ Phone: (800) 328-4283 Fax: (518) 692-9404 Toll Free: (800) 328-4283
K12	CG-12 <u>Description:</u> Cantilever sliding gate	American Anti Ram 541 Eastpark Court, Sandston, VA 23150	http://www.americanantiram.com/index2.htm Phone: (804) 737-1825 Fax: (804) 737-5797 Toll Free:
K12	Model 450 <u>Description:</u> Sliding gate	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	http://www.bb-armr.com Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K12	Model 450A <u>Description:</u> Sliding beam	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	http://www.bb-armr.com Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387

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Type of Barrier: Active Gate

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	Model 32503 <u>Description:</u> Manual security gate	Creative Building Products 6409 Highview Drive, Fort Wayne, IN 46818-1385	http://www.soacorp.com/index.htm Phone: (260) 432-7158 Fax: (260) 459-0929 Toll Free: (800) 860-2855
K12	TT280 <u>Description:</u> Sliding gate	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	K12 Sliding Gate <u>Description:</u> Sliding gate	Gunnebo Wego GmbH Johann-Reineke-Strasse 6-10, 33154 Salzkotten, Germany	http://www.gunnebo.com Phone: +49(534) 180-2164 Fax: +49(534) 180-2185 Toll Free: +49(534) 180-2136
K12	Interlocking Finger Gate <u>Description:</u> Interlocking steel beam gate	Logical Decisions Inc. 2020 North Sherwood Forest Blvd., Baton Rouge, LA 70815	http://www.ets.ldi.com/home.htm Phone: (225) 274-1115 Fax: Toll Free: (800) 676-5537
K12	NMSB XX <u>Description:</u> Sliding gate	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	http://www.nbistop.com/index.html Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:

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Type of Barrier: Active Wedge

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	DSC1200 <u>Description:</u> Surface-mount Self-contained Wedge	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K 8	Mini-Magnum <u>Description:</u> Narrow blade hydraulic wedge	Boon, Edam, Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	http://www.boonedamtomsed.com Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K 8	RSS-2000 <u>Description:</u> Electric wedge barrier; This barrier also tested and separately certified at the DOS K 12 level	Robotic Security Systems, Inc. 6530 Highway 22, Panama City, FL 32404	http://www.rssibarriers.com/ 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	http://www.sampsonsecurity.com/ Phone: (866) 481-2388 Fax: (949) 388-0669 Toll Free: (866) 481-2388
K12	Model SW12 <u>Description:</u> Shallow mount hydraulic wedge barrier	American Anti Ram 541 Eastpark Court, Sandston, VA 23150	http://www.americanantiram.com/index2.htm Phone: (804) 737-1825 Fax: (804) 737-5797 Toll Free:
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	http://www.automaticsystems.com/ Phone: (516) 944-9498 Fax: (516) 767-3446 Toll Free:

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Type of Barrier: Active Wedge

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	Model 820 <u>Description:</u> Hydraulic shallow-mount plate	B & B ARMR Corporation 2009 Chenault Drive, Suite 114, Carrollton, TX 75006	http://www.bb-armr.com Phone: (972) 385-7899 Fax: (972) 385-9887 Toll Free: (866) 367-0387
K12	Sentinel <u>Description:</u> 8-foot wide hydraulic wedge barrier	Boon, Edam, Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	http://www.boonedamtomsed.com Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K12	Magnum <u>Description:</u> Hydraulic wedge	Boon, Edam, Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	http://www.boonedamtomsed.com Phone: (910) 814-3800 Fax: (910) 814-3899 Toll Free:
K12	Stinger <u>Description:</u> Shallow mount hydraulic wedge	Boon, Edam, Tomsed, Inc.- Intertex Division 402 McKinney Parkway, Lillington, NC 27546	http://www.boonedamtomsed.com 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	http://www.deltascientific.com/home.htm 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	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:

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Type of Barrier: Active Wedge

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	TT207S <u>Description:</u> Surface-mounted hydraulic wedge	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	http://www.deltascientific.com/home.htm 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	http://www.deltascientific.com/home.htm 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	http://www.eaglesecgrp.com/ Phone: (334) 279-1557 Fax: (334) 279-4959 Toll Free:
K12	K12 Wedge Barrier <u>Description:</u> Hydraulic wedge barrier	Gunnebo Wego GmbH Johann-Reineke-Strasse 6-10, 33154 Salzkotten, Germany	http://www.gunnebo.com Phone: +49(534) 180-2164 Fax: +49(534) 180-2185 Toll Free: +49(534) 180-2136
K12	K12 Road Blocker Barrier <u>Description:</u> Wedge barrier; 216.1 inches (5490 mm) wide	Gunnebo Wego GmbH Johann-Reineke-Strasse 6-10, 33154 Salzkotten, Germany	http://www.gunnebo.com Phone: +49(534) 180-2164 Fax: +49(534) 180-2185 Toll Free: +49(534) 180-2136
K12	CR 1200 Blocker <u>Description:</u> Hydraulic wedge barrier	Heald Engineering and Security Northfield, Atwick Road, Hornsea, HU 18 1EL	http://www.heald.uk.com Phone: +0(196) 453-5858 Fax: +0(196) 453-2819 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	http://www.nbistop.com/index.html 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	http://www.nbistop.com/index.html Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NMSB III d <u>Description:</u> Surface-mounted hydraulic wedge; no buttresses	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	http://www.nbistop.com/index.html 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	http://www.nbistop.com/index.html Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NMSB III b <u>Description:</u> Surface-mounted hydraulic wedge; single buttress	Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road, Clinton, MD 20735	http://www.nbistop.com/index.html Phone: (301) 868-0301 Fax: (301) 868-0524 Toll Free:
K12	NOR82 <u>Description:</u> Shallow-mounted hydraulic wedge	Norshield Security Products 3224 Mobile Highway, Montgomery, AL 36108	http://www.norshield.net Phone: (334) 281-8440 Fax: (334) 286-4399 Toll Free: (800) 633-1968

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BUREAU of DIPLOMATIC SECURITY

DS CERTIFIED ANTI-RAM VEHICLE BARRIERS

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	http://www.pdcproducts.com/fixedinvert.html Phone: (865) 481-2280 Fax: (865) 425-1249 Toll Free:
K12	RSS-2000 <u>Description:</u> Electric wedge barrier; This barrier also tested and separately certified at the DOS K 8 level	Robotic Security Systems, Inc. 6530 Highway 22, Panama City, FL 32404	http://www.rssibarriers.com/ Phone: (866) 249-1029 Fax: (850) 874-2189 Toll Free: (866) 249-1029
K12	Bavak RB1000STHB-CR <u>Description:</u> Wedge barrier	Sampson Security Group, Bavak USA 3321 Christina Drive, Dana Point, CA 92629	http://www.sampsonsecurity.com/ Phone: (866) 481-2388 Fax: (949) 388-0669 Toll Free: (866) 481-2388

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BUREAU of DIPLOMATIC SECURITY

DS CERTIFIED ANTI-RAM VEHICLE BARRIERS

Type of Barrier: **Passive Bollard**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	RB80 <u>Description:</u> Group of three bollards	American Anti Ram 541 Eastpark Court, Sandston, VA 23150	http://www.americanantiram.com/index2.htm Phone: (804) 737-1825 Fax: (804) 737-5797 Toll Free:
K 4	ASPI-SB-040 <u>Description:</u> Shallow bollard system	Atlas Security Products, Inc. P.O. Box 59423, Rockville, MD 20859	http://www.atlasspi.com 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	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K 4	NSS30 <u>Description:</u> Fixed bollards	Norshield Security Products 3224 Mobile Highway, Montgomery, AL 36108	http://www.norshield.net 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 in. footing	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	http://www.rsaprotect.com/ Phone: (909) 946-0964 Fax: (909) 946-1186 Toll Free:
K 4	Foundation Bollard Pad <u>Description:</u> 14 in. depth fixed bollards	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	http://www.rsaprotect.com/ Phone: (909) 946-0964 Fax: (909) 946-1186 Toll Free:

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BUREAU of DIPLOMATIC SECURITY

DS CERTIFIED ANTI-RAM VEHICLE BARRIERS

Type of Barrier: **Passive Bollard**

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K 4	Model K4 <u>Description:</u> Fixed bollards	Secure Site Design LLC (Victor Stanley Inc) P.O. Box 60910, Potomac, MD 20859	http://www.securesitedesign.com/ Phone: (410) 286-3375 Fax: (410) 479-0175 Toll Free: (800) 268-4726
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	http://www.secureusa.net/ 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	http://www.deltascientific.com/home.htm 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 in. footing	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	http://www.rsaprotect.com/ 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 in. footing	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	http://www.rsaprotect.com/ Phone: (909) 946-0964 Fax: (909) 946-1186 Toll Free:
K12	DSC600 <u>Description:</u> Shallow frame bollard array	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:

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BUREAU of DIPLOMATIC SECURITY

DS CERTIFIED ANTI-RAM VEHICLE BARRIERS

Type of Barrier: Passive Bollard

Rating	Model	Manufacturer/Designer/Distributor	Contact Information
K12	DSC720FP <u>Description:</u> Fixed bollards	Delta Scientific Corporation 40335 Delta Lane, Palmdale, CA 93551	http://www.deltascientific.com/home.htm Phone: (661) 575-1100 Fax: (661) 257-1081 Toll Free:
K12	SGM-12 <u>Description:</u> Shallow-mount bollard system	Environmental Interiors Inc. / Hardscape Tec 13 River Road, Hudson, NH 03051	http://www.environmentalinteriors.com/ Phone: (800) 526-5024 Fax: (603) 889-1147 Toll Free: (800) 526-5024
K12	ASP-F/R 300 <u>Description:</u> Series of three bollards	Heintzmann Security Systems Bessemerst. 80, D-44793 Bochum, Germany	www.heintzmann-si.de Phone: +(492) 349-1440 Fax: +49(234) 914-4254 Toll Free:
K12	39 FB K12 <u>Description:</u> Fixed bollard array	Off The Wall Products LLC 423 South 600 West, Salt Lake City, UT 84101	http://www.offthewallproducts.com Phone: (801) 363-7740 Fax: (801) 363-6372 Toll Free: (888) 363-7740
K12	RSA K12 Shallow Mount Bollard <u>Description:</u> Shallow mount bollard system with 7.5 in. steel footing	RSA Protective Technologies, LLC 1573 Mimosa Court, Upland, CA 91784	http://www.rsaprotect.com/ Phone: (909) 946-0964 Fax: (909) 946-1186 Toll Free:
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:

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.



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-10 <u>Description:</u> Concrete-filled steel bollards in groups of three for pedestrian passage	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 in. 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-23 <u>Description:</u> Shallow-mount bollard array; 18-inch depth	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 in. 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:

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BUREAU of DIPLOMATIC SECURITY

DS CERTIFIED ANTI-RAM VEHICLE BARRIERS

Type of Barrier: Passive Cable-Based System

<u>Rating</u>	<u>Model</u>	<u>Manufacturer/Designer/Distributor</u>	<u>Contact Information</u>
K 8	Ameristar Impasse Perimeter Security Fence <u>Description:</u> Cable-based fence. Note: Allowed for 4.57 meters of dynamic penetration before vehicle came to rest.	Ameristar Fence Products 1555 N. Mingo Road, Tulsa, OK 74116	http://www.ameristarfence.com/ Phone: (866) 467-2773 Fax: (918) 879-6001 Toll Free: (866) 467-2773
K12	Gibraltar K12 Cable Crash Fence <u>Description:</u> 3-Cable fence sytem	Gibraltar 320 Southland Drive, Burnett, TX 78611	http://www.gibraltarmaterials.com Phone: (512) 756-1426 Fax: (512) 756-1575 Toll Free: (800) 495-8957

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BUREAU of DIPLOMATIC SECURITY

DS CERTIFIED ANTI-RAM VEHICLE BARRIERS

Type of Barrier: **Passive Fence**

<u>Rating</u>	<u>Model</u>	<u>Manufacturer/Designer/Distributor</u>	<u>Contact Information</u>
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
K 4	Archer Barrier 1000 <u>Description:</u> Surface mounted; rapid deployment barrier system	Meridian Rapid Defense Group 1500 Normandy Drive, Pasadena, CA 91103	http://www.meridianrapiddefense.com/ Phone: (626) 583-8028 Fax: Toll Free: (888) 697-1007
K 4	DS-60 K4 <u>Description:</u> Five DOS Anti-Ram surface planters; spaced 1m apart	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	C3315 <u>Description:</u> Two deep bottom tier with two deep top tier; 3 ft. x 3 ft. open-topped sand-filled cubes	HESCO Bastion, LTC 37 Knowsthorpe Gate, Cross Green Ind. Estate, Leeds LS9 0NP, UK	http://www.hescobastion.com/US_site/enter_us.html 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	http://www.hescobastion.com/US_site/enter_us.html Phone: +44 11(3 2) 48 -6633 Fax: +44 11(3 2) 48 -3501 Toll Free:
K12	C4315 <u>Description:</u> Two deep bottom tier with two deep top tier; 3 ft. x 4 ft. open-topped sand-filled cubes	HESCO Bastion, LTC 37 Knowsthorpe Gate, Cross Green Ind. Estate, Leeds LS9 0NP, UK	http://www.hescobastion.com/US_site/enter_us.html 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	http://www.hescobastion.com/US_site/enter_us.html Phone: +44 11(3 2) 48 -6633 Fax: +44 11(3 2) 48 -3501 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

<u>Rating</u>	<u>Model</u>	<u>Manufacturer/Designer/Distributor</u>	<u>Contact Information</u>
K12	DS-60 K12 <u>Description:</u> Five DOS Anti-Ram surface planters; anchored to asphalt pad	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-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; 4 ft. embed; top w/concrete, masonry or picket fence for anti-climb protection	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	http://www.corrugated-metals.com/metalith.html 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	http://www.soacorp.com/index.htm Phone: (260) 432-7158 Fax: (260) 459-0929 Toll Free: (800) 860-2855
K12	DS-6 <u>Description:</u> Anti-ram knee wall; 20 in. thick; 36 in. tall; 32 in. embed; top w/concrete, masonry or picket fence for anti-climb protection	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 in. 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-30 <u>Description:</u> 10 in. thick reinforced concrete wall; 9 ft. 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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