



10 July 2006

DS CERTIFIED ANTI-RAM VEHICLE BARRIERS

(THE FOLLOWING BARRIERS MEET THE CERTIFICATION CRITERIA OF SD-STD-02.01, REVISION A, DATED MARCH 2003)

Manufacturer/ Designer/Distributor	Barrier Model	Rating*
Ameristar Fence Products 1555 N. Mingo Road Tulsa, OK 74116 (866) 467-2773 Tel (918) 879-6001 2 Fax	Stalwart K8 (anti-ram perimeter barrier) Stalwart K12 (<i>barrier with 1" cable w/bollard anchorage</i>) Stalwart K12 Aegis II (<i>barrier w/1" cable w/bollard anchorage with anti-scale fence feature</i>)	K8 K12 K12
Autogate, Inc. 7306 Driver Road Berlin Heights, Ohio 44814 (800) 944-4283 Tel (419) 588-3514 Fax	VPL-CB-24 (anti-ram drop-arm)	K8
Automatic Systems America Inc. 4005 Boulevard Matte, Local D Brossard, Quebec, J4Y 2P4 Canada (450) 659-0737 Tel (450) 659-0966 Fax	RSB 78 (surface-mounted hydraulic wedge w/o buttresses)	K12
Barrier1 Systems, Inc. 818 Northern Shores Point Greensboro, NC 27455 (336) 362-1980 Tel (336) 288-9879 Fax	Barrier1 (60 foot net based barrier)	K12
B&B ARMR Corp. 9063 Jerry's Circle Manassas, VA 20110 (703) 335-6006 Tel (703) 335-8822 Fax	Model 400 (sliding gate) Model 400A (sliding gate w/o anti-climb feature) Model 450 (sliding gate) Model 450A (sliding gate w/o anti-climb feature) Model 730 (hydraulic drop bar) Model 820 (hydraulic shallow mount plate)	K4 K4 K12 K12 K4 K12

<p>Boon Edam Tomsed, Inc. Intertex Division 402 McKinney Parkway Lillington, North Carolina 27546 (910) 814-3800 Tel (910) 814-3899 fax</p>	<p>Stinger (shallow mount) Magnum (hydraulic wedge) Mini-Magnum (narrow blade) Defender (retractable bollards) Patriot (hydraulic rising beam) Titan Bollard</p>	<p>K12 K12 K8 K4 K12 K12</p>
<p>Corrugated Metals, Inc. 4800 South Hoyne Ave. Chicago, IL 60609 (312) 254-1611 Tel (312) 254-1106 Fax</p>	<p>Metalith Perimeter Security Wall (sand filled wall)</p>	<p>K12^[3]</p>
<p>Creative Building Products 6409 Highview Drive Fort Wayne, IN 46818-1385 (260) 432-7158 Tel (260) 459-0929 Fax</p>	<p>Model 32503 (manual security gate) CBP05001 Perimeter Security Wall (sand filled wall)</p>	<p>K12^[1] K12^[3]</p>
<p>Delta Scientific Corp. 24901 West Ave. Stanford Valencia, CA 91355 (661) 257-1800 Tel (661) 257-0617 Fax</p>	<p>TT207S (hydraulic wedge) TT207S/FM (surface-mounted hydraulic wedge) TT280 (sliding gate) DSC501 (surface-mounted hydraulic wedge w/o buttresses) DSC701 (retractable bollards) DSC720 (retractable bollards) DSC800 (retractable bollards) DSC701FP (fixed bollards) DSC720FP (fixed bollards) DSC800FP (fixed bollards) DSC2000 (surface-mounted hydraulic wedges w/o buttresses)</p>	<p>K12 K12 K12 K12 K8 K12 K4 K8^[2] K12^[2] K4^[2] K12</p>
<p>Eagle Security Group International 4001 Carmichael Center, Suite 240 Montgomery, AL 36106 (334) 279-1557 Tel (334) 279-4959 Fax</p>	<p>Eagle Series Wedge Barrier (hydraulic shallow mount wedge) Eagle Series Bollards (retractable bollards)</p>	<p>K12 K8</p>
<p>Heintzmann Security Systems Bessemerstrasse 80 D-44793 Bochum, Germany 49 (0) 234 / 9144 256 Tel 49 (0) 234/ 9144 254 Fax</p>	<p>VSH 610 (hydraulic rising beam)</p>	<p>K12</p>
<p>HESCO Bastion, LTD 37 Knowsthorpe Gate Cross Green Industrial Estats Leeds LS9 ONP, UK 44 113 248 6633 Tel 44 113 248 3501 Fax</p>	<p>C4315 (2 tier 3' x 4' open top sand filled cube) C3315 (2 tier 3' x 3' open top sand filled cube) Mil 1 (2 deep bottom tier w/ single top tier open top sand filled cube) Mil 3 (2 deep bottom tier w/ single top tier open top sand filled cube)</p>	<p>K12 K12 K12 K12</p>

<p>Koei Technologies, Inc. 25506 Crenshaw Blvd. Torrance, CA 90505 (310) 326-4053 Tel (310) 326-4098 Fax</p>	<p>Hard Post EP-354A (set of four retractable bollards) Hard Post EP-354A/ST-700 (set of two retractable bollards) Hard Post EP-354A/ST-650 (set of two retractable bollards)</p>	<p>K12 K8 K4</p>
<p>Merchants Metals 3838 N. Houston Parkway E, Suite 600 Houston, TX 77032 (281) 372-3800 Tel (281) 372-3801 Fax</p>	<p>Merchant Metals High Security Fence System</p>	<p>K8</p>
<p>Nasatka Barrier, Inc. 7702-B Old Alexandria Ferry Road Clinton, MD 20735 (301) 868-0301 Tel (301) 868-0524 Fax</p>	<p>NMSB II (surface-mounted hydraulic wedge) NMSB IIIb (surface-mounted hydraulic wedge) NMSB IIIc (surface-mounted hydraulic wedge w/o buttresses) NMSB IV (hydraulic wedge) NMSB V (hydraulic wedge) NMSB VI (retractable bollards) NMSB XII (hydraulic drop bar) NMSB XX (Sliding gate)</p>	<p>K12 K12 K12 K12 K12 K12 K12 K12</p>
<p>National Intelligent Traffic Systems 5131 Post Road, Suite 300 Dublin, OH 43017 (614) 526-3231 Tel (614) 526-3227 Fax</p>	<p>NITS Model 400 (retractable bollards)</p>	<p>K12</p>
<p>Norshield Security Products 3224 Mobile Highway Montgomery, AL 36108 (334) 286-4348 Tel (334) 286-4399 Fax</p>	<p>WBHS916 (shallow mount hydraulic wedge) SGHS1209 (sliding gate) CBHS1230 (hydraulic drop bar)</p>	<p>K12 K4 K4</p>
<p>Performance Development Corp. (formerly Crisp & Associates) 109 Jefferson Ave. Oak Ridge, TN 37830 (865) 481-2280 Tel (865) 425-1249 Fax</p>	<p>VSB-F10 (hydraulic wedge)</p>	<p>K12</p>
<p>Perimeter Defense Technologies, LP 4315 SCR 1290 Odessa, TX 79765 (432) 561-8006 Tel (432) 561-8031 Fax</p>	<p>DRT K-12 (set of six retractable bollards) PDT1200 (set of three retractable bollards)</p>	<p>K12 K12</p>

<p>PRO Barrier Engineering LLC 228 Grandview Drive Hummelstown, PA 17036 (717) 566-9347 Tel (717) 566-9309 Fax</p>	<p>Permanent Arrestor (Hydraulic surface mount gate arm)</p>	<p>K12</p>
<p>Robotic Security Systems, Inc. 6530 Hwy. 22 Panama City, FL 32404 (866) 249-1029 Tel (850) 874-2189 Fax</p>	<p>RSS-2000 (set of four horizontal retractable bollards)</p>	<p>K12</p>
<p>RSA Protective Technologies, LLC 1573 Mimosa Court Upland, CA 91784 (909) 946-0964 Tel (909) 946-1186 Fax</p>	<p>Foundation Bollard Pad (14" depth fixed bollards) Anti-ram Bollard System (5" depth fixed bollards) Anti-ram Bollard System (8" depth fixed bollards) Anti-ram Bollard System (5" depth fixed bollards)</p>	<p>K4^[3] K4^[3] K8^[3] K8^[3]</p>
<p>Sälzer Building Security Dietrich Bonhoeffer Str 1-3 D 35037 Marburg, Germany 49 (0) 6421 / 938 100 Tel 49 (0) 6421 / 938 190 Fax</p>	<p>Model 730 (hydraulic drop bar)</p>	<p>K4</p>
<p>Sampson Security Group Bavak USA 25241 Del Rio Laguna Niguel, CA 92677 (949) 388-0669 Tel (949) 388-0669 Fax</p>	<p>Bavak Roadblocker (wedge barrier)</p>	<p>K8</p>
<p>Tymetal Corp. 2566 State Route 40 Greenwich, NY 12834 (800) 328-4283 Tel (518) 692-9404 Fax</p>	<p>FIGS (sliding gate)</p>	<p>K4</p>
<p>Universal Safety Response, Inc. 277 Mallory Station Rd., Suite 112 Franklin, TN 37067-8251 (615) 224-0400 Tel (615) 224-0411 Fax</p>	<p>GRAB K8 Single Lane (road closure system) GRAB K8 36-ft Lane (road closure system) GRAB K12 36-ft Lane (road closure system)</p>	<p>K8 K8 K12</p>

<p>U.S. Department of State Bureau of Diplomatic Security Physical Security Division SA-14 10th Floor Washington, DC 20522-1403</p>	<p>DS-1 (concrete-filled steel bollards w/ connecting channel) DS-6 (anti-ram knee wall) DS-7 (anti-ram foundation wall) DS-9 (reinforced concrete planter) DS-10 (pedestrian passage concrete-filled steel bollards in groups of three) DS-22 (concrete-filled steel bollards) DS-22R (removable concrete-filled steel bollards) DS-30 (10" thick reinforced concrete wall) DS-40 (anti-ram/anti-climb fence) DS-50 (1 meter anti-ram knee wall)</p>	<p>K12^[3] K12^[3] K4^[3] K12^[3] K12^[3] K12^[3] K12^[3] K12^[3] K12^[3] K12^[3]</p>
<p>Vanguard Protective Technologies 5459 Canotek Road Ottawa, Ontario Canada, K1J9M3 (613) 749-8343 Tel (613) 749-8861 Fax</p>	<p>Bosik Bar VBS (deep foundation crash beam) Bosik Bar VBS (shallow foundation crash beam)</p>	<p>K12 K4</p>
<p>Victor Stanley, Inc. P.O. Drawer 330 Dunkirk, MD 20754 (301) 855-8300 Tel (410) 257-7579 Fax</p>	<p>Model K4 (fixed bollard array)</p>	<p>K4^[3]</p>

* Rating determined from perpendicular barrier impact results of 15,000lb. (6810kg) vehicle.

Pass = Maximum penetration of the cargo bed is 1 meter or less.

K = Maximum barrier impact speed rating.

K12 = 50 mph (80 kph)

K8 = 40 mph (65 kph)

K4 = 30 mph (48 kph)

Notes: [1] Certified as a manual barrier only.

[2] Certified as a fixed barrier only.

[3] Passive barrier

Special Note: Certification of the above barriers applies to crash performance only - not its operational suitability.

DS and OBO are not liable for improper installation of the equipment.