

## Active *Beam* Barricades for *Wide* Roadways that Must Be Secured!



### ***Meet U.S. Department of State K12 & United Kingdom's BSI Standard PAS 68 Crash Ratings.***

Both close off one or two lanes of roadway. They can begin by blocking both lanes, letting drivers use the shoulder lane. Then, when the inner lane is completed, they move the inner lane barricade to the shoulder lane. Delta's DSC7000 beam



barricade closes in as quickly as 0.7 seconds. The DSC7500 swing beam barricade provides anti-climb features that can replace existing non-rated gates. Both have versions enhanced for nuclear power plants.

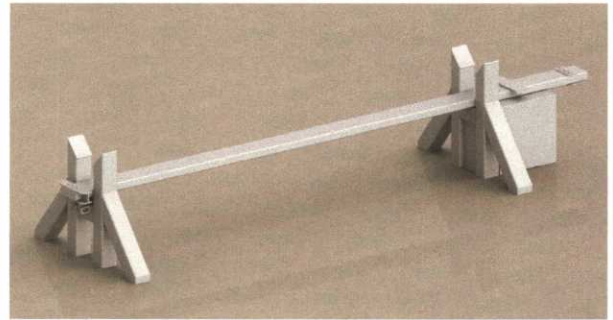
Stopping power coupled with advanced technology...your highest level of barricade protection!





# DSC7000

*Exceeds DOS & DOD plus  
USACE ACP & EFO closing  
time requirements.*



Delta's revolutionary DSC7000 12 to 30 foot (3.7 to 9.2 m) active wide beam and DSC7500 horizontal swing beam barricades are created to be installed where wide roadways need to be secured from attacking vehicles and at the sides of a roadway to avoid lengthy road closures during construction. They close off one or two lanes of a roadway and provide counter terrorist level protection against vehicle attack. They are also ideal for operation in extreme environments where heavy snows, blowing sand or surface flooding might limit the use of other types of barriers.

Able to close in as quickly as 0.7 seconds, DSC7000 beam barricades meet and exceed multiple agency—DOS (US Department of State), DOD (US Department of Defense), USACE ACP (US Army Corps of Engineers, Access Control Points) and USACE EFO (US Army Corps of Engineers, Emergency Fast

## DSC7000 & DSC7500: Crash-Tested & Certified

DELTA SERIES	ATTACK VEHICLE WEIGHT	IMPACT VELOCITY	CERTIFYING ORGANIZATION	CERTIFIED RATING SPECIFICATION
DSC7000	15,000 lbs (66.7 kN)	50 mph (80.4 kph)	U.S. Dept. of State	K12*
			U.S. Dept. of Defense	K12*
			British Standards Institution	PAS 68**
DSC7500	15,000 lbs (66.7 kN)	50 mph (80.4 kph)	U.S. Dept. of State	K12*
			U.S. Dept of Defense	K12*
			British Standards Institution	PAS 68**

\* U.S. Department of State (ST-SDT-02.01 Revision A dated March 2003)

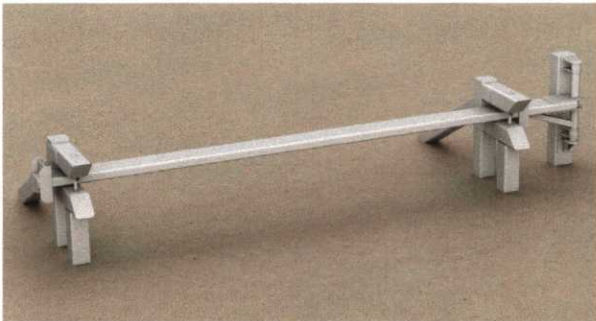
\*\* BSI Standard PAS 68: 2007 Test Type 7500-89



Operating)—standards for closing time requirements and are suitable for one- and two-lane roadway applications where a fast acting K12/PAS 68 crash-certified active barricade is needed to provide security.

The DSC 7500 is supplied as an easy to use manual gate or powered with full automation features. Other versions of the DSC 7500 Series include a full swing gate with anti-climb features that can replace existing non-rated swing gates.

In their crash tests, both the 725 pound (330 kg) DSC7000 series beams and the DSC7500 stopped a 15,000 pound (66.7 kN) vehicle traveling 50 mph (80 kph) dead in its tracks. That's equivalent to 1.2 million foot pounds of kinetic energy. For their PAS 68 certification in the United Kingdom, the beam barriers stopped a 7,500 kg (16,500 pound) 2-axle European truck traveling 80 kph (50 mph).



## DSC7500

*A crash-tested horizontal active swing beam barricade.*

### DSC7000 & DSC7500 Manual, Hydraulic or Electro-mechanical Actuation

Both the DSC7000 and DSC7500 are available in manual, electro-mechanical and hydraulic operated models.

The manual versions can be operated by a single individual. With the remotely-operated hydraulic units, the hydraulic pumping unit is wholly encased in the hinge end enclosure. It can be powered from a local single or three phase power source. Alternatively, it can be powered by a battery operated hydraulic pumping unit. This unit can be maintained at its operating power level by a solar array or by low power alternative sources. The electro-mechanical version is operated by a motor

driven ball screw actuator wholly enclosed in the hinge end enclosure and can be powered from a local single or three phase power source.

Clear openings range is from 12 to 30 foot (3.7 to 9.2 m). Barrier height for both models is 34 inches (0.86 m).

Both beam barricades have custom surface-mounted and shallow foundation versions enhanced for applications at nuclear power plants.

They are the lowest cost per foot K12 active barricades in the Delta line.



# *Why are Delta barriers the **de facto** solution?*

## ***Quality and reliability.***



Over 16,000 systems worldwide are protected by Delta systems. These include state and federal capitol buildings, parliament buildings, U.S. embassies, nuclear plants, banks, manufacturing facilities, military bases, courthouses, private companies, major airports, car and rental lots, logistics centers, palaces, private residences and many more. For over 35 years, Delta systems have been protecting some of the most important people in the world.

Since 1974, Delta has been producing products and systems that promote safety and security for people and property. Our staff is knowledgeable and experienced. Delta has been the leader in using Finite Element Analysis to study vehicle collisions with fixed and moveable barriers. With our database of full-scale test results, we have superb computer models that enable us to test new designs at our desktops. We're able to analyze unique situations and design products that will meet your special needs.



Delta Scientific Corporation is the leading worldwide manufacturer of vehicle access control equipment with over 260,000 square feet of production facilities in Palmdale, CA. Delta's three product lines consist of high-security vehicle barricade systems, parking control equipment and guard booths.

**Contact us today.**

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