

TT/SCSERIES

Crash Rated Cantilever & Linear Tracked Gates



The Series SC3000S DELTA CRASH RATED CANTILEVER GATE SYSTEM is a dual function system that provides protection against the intrusion of unauthorized pedestrians as well as offering an almost impenetrable obstacle to high speed, heavily laden vehicles.

The SC3000S Series of Gates are fully cantilevered with no road track or overhead support. The gate leaf is supported by the main buttress at all times. When the Gate System is closed the Gate Leaf is locked into both the main buttress and the receiving buttress in a position to absorb the energy of a vehicle collision.

The TT280 LINEAR CRASH GATE SYSTEM has been tested four times in full scale configuration. Three of the tests, each at a successively higher energy level were conducted on the same Gate, buttress and foundation without any structural repairs or changes between tests. The Linear Crash Gates met the test criteria in each case.

Performance evaluation per D.O.S. specification SD-SDT-0201 of K12/L3.0. (15,000lb vehicle @ 50mph, less than 3 foot penetration).



DELTA SCIENTIFIC CORPORATION

PROVEN TECHNOLOGY – TOTAL CONTROL

GSA CONTRACT NUMBER GS-07F-9982H

TT/SC SERIES - Crash Rated Cantilever & Linear Tracked Gates

PERFORMANCE AND CERTIFICATIONS

The Delta gates and equipment are of a proven design, with Delta having over 20 years of documented field experience for all major components and design features.

The TT280 gate has been tested three times in full scale configuration, each test at a successively higher energy level, and using the same gate.

The SC3000C Crash Rated form has likewise been designed to rigorous finite element structural analysis producing a crash rated gate design of high strength. Also available in non crash rated form - SC3000.

GATE SIZES

STANDARD SIZE 108 inches (2.74m) High. 144 inches (3.65m) Long. Clear openings of up to 33 feet (10.0m) may be specified.

BALLISTIC RATED GATES

Delta gates can be manufactured to specific ballistic and blast ratings.

CRASH RATINGS

The gate systems were fully operational following successfully stopping a vehicle of the following stated characteristics.

	TT280	SC3000C
Testing Authority	OHIO DOT	DELTA
Cert. Organization	USDOS	USCOE
Rating	K12/L3(2)	(I)NUREG
Vehicle Wt	15,000lbs	5,000lbs
Speed	50mph	50mph
Kinetic Energy ft lbs	1.2E6	412E5

Higher ratings by Analysis:

Stopped Vehicle - Remaining operational (SD/OP) Stopped Vehicle - Some damage (SD/SD)

	TT280SD/SD	SC3000C sd/op
Weight	15,000	10,000
Speed	70mph	48mph
Weight	30,000	15,000
Speed	51mph	38mph

DRIVE SYSTEMS

Delta gates can be supplied powered by electro mechanical or hydraulic systems. Typical drive speeds are from 27 ft per minute to 48 ft per minute, depending on electrical supply and gate length. Delta controls supplied meet all requirements for control and safety.



TT300 HIGH SECURITY TRACKED GATE

The TT300 is ideal for installations requiring a heavy duty non crash rated gate. The standard design is 9 ft (2.7M) tall, and is specifically designed for openings in excess of 33 ft. Drive is rack and pinion - ground tracked.

DESIGN

Delta gates are available in a range of infills to suit application.

DELTA SCIENTIFIC CORPORATION:

24901 West Avenue Stanford
Valencia, CA 91355 USA
Tel: (661) 257-1800 Fax: (661) 257-0617
Email: info@DeltaScientific.com

DELTA SCIENTIFIC CORPORATION

Eastern Operations

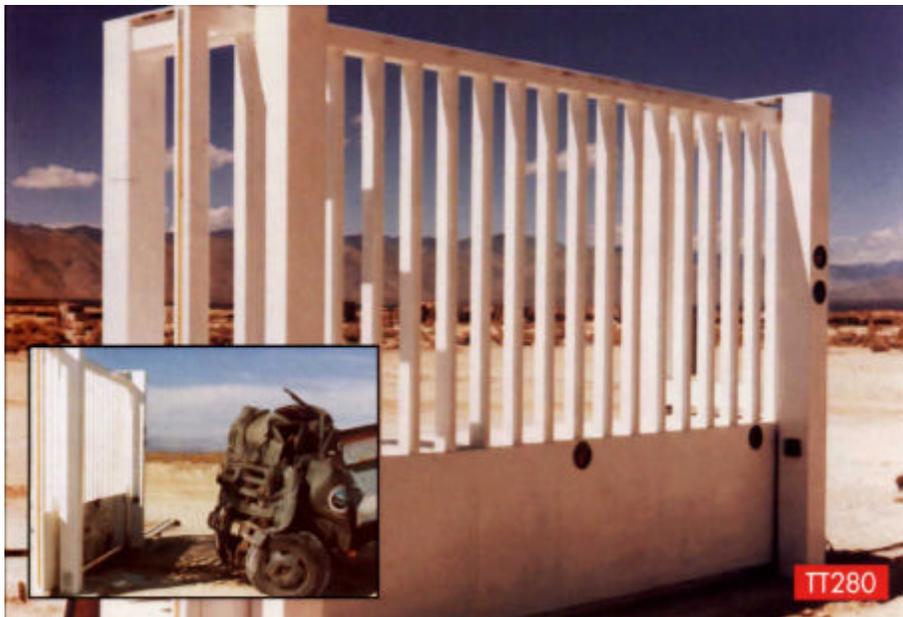
7902-A Hill Park Court
Lorton, VA 22079
Tel: (703) 541-9114 Fax: (703) 541-9117
Email: info@DeltaScientific.com

DELTA SCIENTIFIC CORP. (UK) LTD:

Delta House, 70 South View Avenue,
Caversham Reading, Berkshire, RG4 5BB
UK. Tel: (44) 0 118 948 1133 Fax: (44) 0
118 948 1122

Email (UK): deltasck@aol.com

Web: <http://www.DeltaScientific.com>



COMPLETE DESIGN, INSTALLATION AND CONSULTING SERVICES AVAILABLE WORLDWIDE.

Due to Delta's policy of continued product development, information herein is subject to change without notice. E. & O. E.



DELTA SCIENTIFIC CORPORATION