

## Delta's new open frame vehicle barrier

The DSC550 was tested to the new ASTM F2656-20 standard which measures the penetration level from the foremost edge of the barrier versus the back-side of the barrier like the previous standard. This can provide a difference of (1.52 m.) and makes the negative penetration level even more impressive.

### Design and features

The DSC550 Open Frame barrier features a shallow foundation of only 24 inches (61 cm). The open frame design additionally provides a unique counter-balance design with no springs that need extra maintenance. The DSC550 alleviates the concerns of interference with buried pipes, power lines and fiber optic communication lines in urban applications. The shallow foundation also reduces installation complexity, time, materials and corresponding costs. The DSC550 is perfect for high water table locations and areas with corrosive soils.

### Installation

The barrier was fully operational after the force of the M50 impact. The fact that no-assist devices are used to operate this electro-mechanical barrier is something totally new to the industry. In addition, the fact that little rebar is needed in the very small foundation is a win for integrators trying to earn a solid margin while installing the DSC550 and a win for the end user with little disruption during installation.

### Emergency fast operation

The new DSC550 provides an emergency fast operation of 1.5 seconds for electro-mechanical and 0.75 seconds for hydraulic operations. This allows a guard to quickly react to a perceived threat with the peace of mind knowing the barrier will deploy in a rapid manner under the most demanding scenarios. The DSC550 also provides intuitive touchscreen controls with data-logging and custom programming.

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Sound Bite: Up to 5 additional feet of penetration

Highlights:

Design and features

Installation

Emergency fast operation