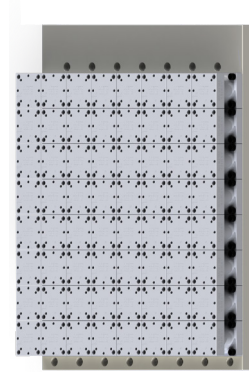


Crash Barrier

Instrumented Crash Barrier System

- Fully assembled crash barrier system
- Strain gauge-based transducers
- Choose either Single Axis Load Cells or Three Axis Load Cells
- Compatible with all DAQs
- Customizable size, load capacity, and number of axis



Description

The Instrumented Crash Barrier System includes 64 Load Cells mounted to a rigid mounting plate. This provides a 1 m² instrumented barrier face with load cells at 125 mm spacing. The system comes fully assembled with the load cells mounted to the plate and the signal wires routed within the mounting plate. It does not require a specific DAQ, allowing the user to connect the system to their DAQ of choice.

The barrier utilizes 64, strain gauge-based load cells and can use the Michigan Scientific CT500 Three-Axis Load Cells or CT501 Single-Axis Load Cells. The load cells are made of high-grade stainless steel and have a rugged design with all the electronics mounted internally.

The size of the barrier face can be expanded by using multiple systems. The Instrumented Crash Barrier System mounts easily to the customer's barrier frame which allows the system to be moved between testing setups easily.

Specifications

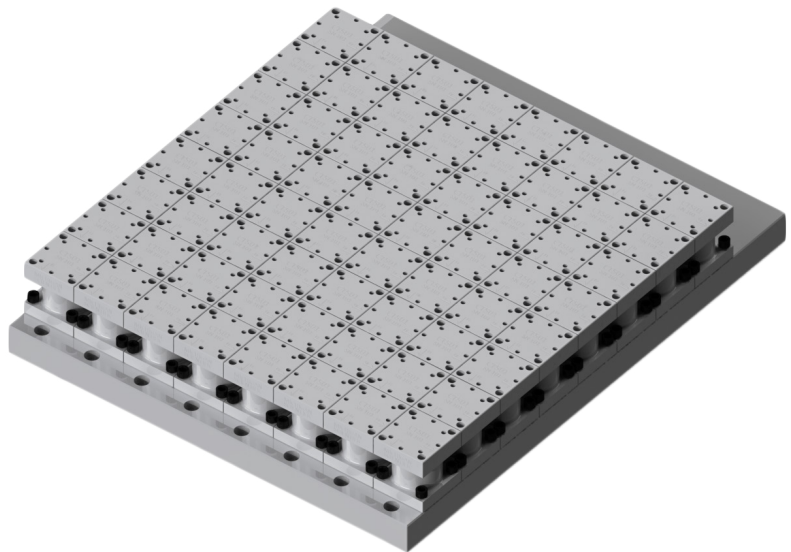
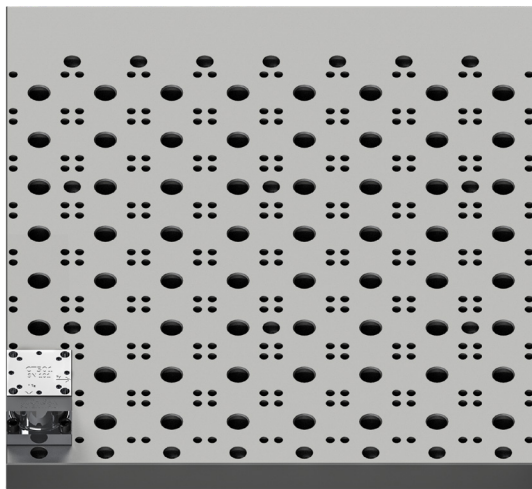
Maximum Force Capacity [Fx]	500 kN
Maximum Force Capacity [Fy, Fz] (CT500 Only)	125 kN
Nonlinearity	< 0.5 % of full scale
Hysteresis	< 0.5 % of full scale
Natural Frequency	> 1800 Hz
IP Rating	IP66
Temperature Range	-40°F to 257°F (-40°C to 125°C)
Connector	Mil-Spec Circular

Crash Barrier

CT501 Load Cell



Instrumented Crash Barrier System



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Rev. A

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