

October 7, 2020

IMPACT ATTENUATORS (PERMANENT)

Specification Reference: 601.07.1

SM Material Code: 910M00850

Standard Drawings: 601-GAIA-01, 02 and 03; 601-IAED-01

Source Code	Manufacturer Product	Type(s)	Approval Number	Comments
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*The following products are applicable for Impact Attenuators for lettings on or after January 1, 2019. For type descriptions R1, R2, SD, or CR with a width designation of W2 or W3, products should be selected from the Impact Attenuators product lists for lettings prior to January 1, 2019.*

4590	ENERGY ABSORPTION SYSTEM, INC ENERGITE III MODULE	ED, and Gravel Barrels	W028990	
4590	ENERGY ABSORPTION SYSTEM, INC QUADGUARD M10 (Width Limit of 24 in. or less)	ED, R1, R2, LS and SD	W188990	
4597	PLASTIC SAFETY SYSTEMS, INC CRASHGARD BARREL SYSTEM	ED, and Gravel Barrels	W088990	
4591	TRAFFIX DEVICES, INC IMPACT ATTENUATOR SAND BARRELS	ED, and Gravel Barrels	W028994	
4594	SCI PRODUCTS, INC SCIGM (Width Limit of 36 in. or less)	ED, R1, R2, SD and CR	W078992	

*The following products are applicable for Impact Attenuators for lettings prior to January 1, 2019*

4598	BARRIER SYSTEM, INC TAU-II	ED, R1, R2, LS and SD	W048990	
4590	ENERGY ABSORPTION SYSTEM, INC ENERGITE III MODULE	ED, and Gravel Barrels	W028990	
4590	ENERGY ABSORPTION SYSTEM, INC QUADGUARD II	ED, R1, R2, LS and SD	W028991	
4590	ENERGY ABSORPTION SYSTEM, INC REACT 350 or REACH 350 II MODELS	ED, R1, R2, and CR	W028993	
4597	PLASTIC SAFETY SYSTEMS, INC CRASHGARD BARREL SYSTEM	ED, and Gravel Barrels	W088990	
4594	SCI PRODUCTS, INC SCIGM	ED, R1, R2, SD and CR	W078992	
4591	TRAFFIX DEVICES, INC IMPACT ATTENUATOR SAND BARRELS	ED, and Gravel Barrels	W028994	

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4571	TRINITY INDUSTRIES, INC CAT-350	ED	W028995	Alternate with guardrail transition piece. Contractor to determine required space for installation including transition piece.
4571	TRINITY INDUSTRIES, INC TRACC	ED, R1, R2, and SD	W078991	

Type Descriptions

- ED: Energy dissipation device without redirective capabilities.
- R1: Energy dissipation device with redirective capability on one side.
- R2: Energy dissipation device with redirective capability on two sides.
- CR (Clearance Restriction): Energy dissipation device with redirective capability on two sides. Products noted as type CR are acceptable for both type CR1 and CR2
- SD (Vertical Sight Distance Limitation): Energy dissipation device with redirective capability on two sides.
- LS (Low Speed): Low speed energy dissipation device with redirective capability on two sides. Design speed of 30 mph or lower.

Width Designations

- W1: Required for an obstruction that is not more than 3 ft wide.
- W2: Required for an obstruction that is more than 3 ft wide but less than or equal to 6 ft wide
- W3: Required for an obstruction that is more than 6 ft wide but less than or equal to 8 ft wide.