


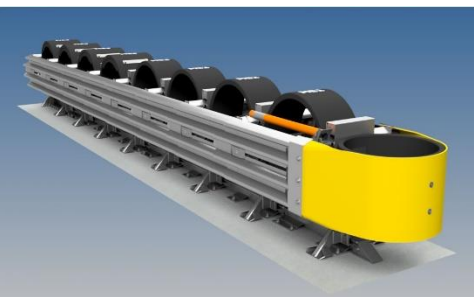



# CATEGORIZED CRASH CUSHION ATTENUATORS ♦



## LOW MAINTENANCE (Redirective, Non-Gating)

				
SMART CUSHION (N)	SMART CUSHION (W)	HEART	QGELITE (M10)(N)	QGELITE (M10)(W)
SCI 100 GM – (Narrow) by Work Area Protection Corp. <a href="http://www.workareaprotection.com">www.workareaprotection.com</a>	SCI 100 GM – (Wide) by Work Area Protection Corp. <a href="http://www.workareaprotection.com">www.workareaprotection.com</a>	Hybrid Energy Absorbing Reusable Terminal by Trinity Highway Products, LLC <a href="http://www.trinityhighway.com">www.trinityhighway.com</a>	Quadguard® Elite M10 Crash Cushion System (Narrow) by Energy Absorption Systems, Inc. <a href="http://www.energyabsorption.com">www.energyabsorption.com</a>	Quadguard® Elite M10 Crash Cushion System (Wide) by Energy Absorption Systems, Inc. <a href="http://www.energyabsorption.com">www.energyabsorption.com</a>
<ul style="list-style-type: none"> <li>• <b>Redirective, Non-Gating</b></li> <li>• Meets TL-2 and TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Requires Paved Pad</li> <li>• Unidirectional / Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Redirective, Non-Gating</b></li> <li>• Meets TL-2 and TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Requires Paved Pad</li> <li>• Unidirectional / Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Redirective, Non-Gating</b></li> <li>• Meets TL-2 and TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Requires Paved Pad</li> <li>• Unidirectional / Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Redirective, Non-Gating</b></li> <li>• Meets TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Requires Paved Pad</li> <li>• Unidirectional / Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Redirective, Non-Gating</b></li> <li>• Meets TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Requires Paved Pad</li> <li>• Unidirectional / Bidirectional</li> </ul>
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BACKUP WIDTH: 24" to 36"	BACKUP WIDTH: 41" to 120"	BACKUP WIDTH: 28"	BACKUP WIDTH: 24"	BACKUP WIDTH: 69"
HEIGHT: 2'-9 3/8"	HEIGHT: 2'-9 3/8"	HEIGHT: 2'-8 1/4"	HEIGHT: 2'-8"	HEIGHT: 2'-8"
LENGTH: 13'-6" (TL-2) 21'-6" (TL-3)	LENGTH: 20'-1" TO 41'-11" (TL-2) 28'-1" TO 49'-11" (TL-3)  (See Manufacturer's Chart) Varies with Width of Back-up Needed	LENGTH: 13'-9 1/2" – (TL-2) 26'-3" – (TL-3) * 28'-9" (70 mph)	LENGTH: 8 Bay – 27'-2" – (TL-3)	LENGTH: 8 Bay – 27'-1" – (TL-3)
Latest Statewide Standard: <b>SMTC(N)-16</b> <b>(MASH COMPLIANT)</b>	Latest Statewide Standard: <b>SMTC(W)-16</b> <b>(MASH COMPLIANT)</b>	Latest Statewide Standard: <b>HEART-16</b>	Latest Statewide Standard: <b>QGELITE (M10)(N)-20</b> <b>(MASH COMPLIANT)</b>	Latest Statewide Standard: <b>QGELITE(M10)(W)-20</b> <b>(MASH COMPLIANT)</b>

♦ This table is provided for informational purposes only, refer to manufacturer's details for the most up to date information.  
 \* Capacity (70mph)  
 NCHRP 350 OR MASH: TL 2 ≤ 45 mph; TL 3 ≥ 50 mph. If MASH compliant, designated "(MASH Compliant)".

# CATEGORIZED CRASH CUSHION ATTENUATORS ♦

## LOW MAINTENANCE (Redirective, Non-Gating (Cont'd))

																																																																																	
<p><b>REACT (M)</b> REACT (M) (Narrow) by Trinity Highway – Energy Absorption Inc. <a href="http://www.trinityhighway.com">www.trinityhighway.com</a></p>	<p><b>REACT (W)</b> Reusable Energy Absorbing Crash Terminal (Wide) by Energy Absorption Systems, Inc. <a href="http://www.energyabsorption.com">www.energyabsorption.com</a></p>	<p><b>TAU-II-R (N)</b> TAU-II-R™ (NARROW) by LTS-Barrier Systems, Inc. <a href="http://www.barriersystemsinc.com">www.barriersystemsinc.com</a></p>	<p><b>TAU-II-R (W)</b> TAU-II-R™ (WIDE) by LTS-Barrier Systems, Inc. <a href="http://www.barriersystemsinc.com">www.barriersystemsinc.com</a></p>																																																																														
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<p>LENGTH:</p> <table border="1" data-bbox="254 1548 472 1578"> <tr> <td>TL-3</td> <td>22'-2 ¾"</td> </tr> </table>	TL-3	22'-2 ¾"	<p>LENGTH:</p> <p>W60 – 60" – 18'-10" – (TL-2) W60 – 60" – 30'-10" – (TL-3) W96 – 96" – 18'-10" – (TL-2) W96 – 96" – 34'-9" – (TL-3) W120 – 120" – 33'-10" – (TL-3)</p>	<p>LENGTH:</p> <table border="1" data-bbox="1106 1548 1588 1649"> <thead> <tr> <th></th> <th>Compact</th> <th>Flush</th> <th>PCB</th> </tr> </thead> <tbody> <tr> <td>TL-2</td> <td>15'-3"</td> <td>14'-0"</td> <td>13'-7"</td> </tr> <tr> <td>TL-3</td> <td>29'-6"</td> <td>28'-3"</td> <td>27'-10"</td> </tr> <tr> <td>70</td> <td>32'-3"</td> <td>31'-0"</td> <td>30'-7"</td> </tr> </tbody> </table>		Compact	Flush	PCB	TL-2	15'-3"	14'-0"	13'-7"	TL-3	29'-6"	28'-3"	27'-10"	70	32'-3"	31'-0"	30'-7"	<p>LENGTH:</p> <table border="1" data-bbox="1665 1528 2529 1628"> <thead> <tr> <th rowspan="2">Speed</th> <th colspan="11">System Width</th> </tr> <tr> <th>42"</th> <th>48"</th> <th>54"</th> <th>60"</th> <th>66"</th> <th>72"</th> <th>78"</th> <th>84"</th> <th>90"</th> <th>96"</th> <th>102"</th> </tr> </thead> <tbody> <tr> <td>TL-2</td> <td>15'-4"</td> <td>15'-4"</td> <td>15'-4"</td> <td>12'-5"</td> <td>12'-5"</td> <td>12'-5"</td> <td>12'-5"</td> <td>12'-5"</td> <td>12'-5"</td> <td>12'-5"</td> <td></td> </tr> <tr> <td>TL-3</td> <td>29'-5"</td> <td>29'-5"</td> <td>29'-5"</td> <td>29'-5"</td> <td>26'-7"</td> <td>26'-7"</td> <td>26'-7"</td> <td>26'-7"</td> <td>26'-7"</td> <td>26'-7"</td> <td></td> </tr> <tr> <td>70</td> <td>32'-3"</td> <td>32'-3"</td> <td>32'-3"</td> <td>32'-3"</td> <td>29'-5"</td> <td>26'-7"</td> <td>26'-7"</td> <td>26'-7"</td> <td>26'-7"</td> <td>26'-7"</td> <td>26'-7"</td> </tr> </tbody> </table>	Speed	System Width											42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	TL-2	15'-4"	15'-4"	15'-4"	12'-5"	12'-5"	12'-5"	12'-5"	12'-5"	12'-5"	12'-5"		TL-3	29'-5"	29'-5"	29'-5"	29'-5"	26'-7"	26'-7"	26'-7"	26'-7"	26'-7"	26'-7"		70	32'-3"	32'-3"	32'-3"	32'-3"	29'-5"	26'-7"	26'-7"	26'-7"	26'-7"	26'-7"	26'-7"	
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# CATEGORIZED CRASH CUSHION ATTENUATORS ♦

## REUSABLE (Redirective, Non-Gating)

																																																																							
<p><b>QUADGUARD (M10) (N)</b>            QUADGUARD M10 (Narrow) by Trinity Highway - Energy Absorption, Inc.  <a href="http://www.trinityhighway.com">www.trinityhighway.com</a></p>	<p><b>QUADGUARD (M) (W)</b>            QUADGUARD (M) (WIDE) by Trinity Highway – Energy Absorption Inc.  <a href="http://www.trinityhighway.com">www.trinityhighway.com</a></p>	<p><b>TAU(M) (N)</b>            TAU-M™ (Narrow) by LTS-Barrier Systems, Inc.  <a href="http://www.barriersystemsinc.com">www.barriersystemsinc.com</a></p>	<p><b>TAU-II (W)</b>            TAU-II™ (Wide) by LTS-Barrier Systems, Inc.  <a href="http://www.barriersystemsinc.com">www.barriersystemsinc.com</a></p>	<p><b>TRACC (W)</b>            Trinity Attenuating Crash Cushion (Wide) by Trinity Highway Products, LLC  <a href="http://www.trinityhighway.com">www.trinityhighway.com</a></p>																																																																			
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## CATEGORIZED CRASH CUSHION ATTENUATORS ♦

	SACRIFICIAL (Non-Redirective, Gating)			SACRIFICIAL (Redirective, Gating)
				
	<b>ABSORB-M</b>	<b>SLED MINI</b>	<b>SLED</b>	<b>BEAT-SSCC</b>
	ABSORB-M by LTS-Barrier Systems, Inc. <a href="http://www.barriersystemsinc.com">www.barriersystemsinc.com</a>	SLED MINI by Traf Fix Devices, Inc. <a href="http://www.traffixdevices.com">www.traffixdevices.com</a>	SLED by Traf Fix Devices, Inc. <a href="http://www.traffixdevices.com">www.traffixdevices.com</a>	Box Beam Bursting Energy Absorbing Terminal – Single Side Crash Cushion by Road Systems Inc. <a href="http://www.roadsystems.com">www.roadsystems.com</a>
	<ul style="list-style-type: none"> <li>• <b>Non-Redirective, Gating</b></li> <li>• <b>Water-filled</b></li> <li>• Meets TL-2 and TL-3</li> <li>• <b>Temporary Work Zone Only</b></li> <li>• Connects to Temporary Concrete Barrier.</li> <li>• Limited to Barrier Height of 42" or Less</li> <li>• Does <u>not</u> Require Paved Surface</li> <li>• Standard Barrier (SB) – PCTB</li> <li>• Wide Barrier (WB) – CSB</li> <li>• Extra Wide Barrier (XB) – SSCB</li> <li>• Unidirectional / Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Non-Redirective, Gating</b></li> <li>• <b>Water-filled</b></li> <li>• Meets TL-2</li> <li>• <b>Temporary Work Zone Only</b></li> <li>• Connects to Temporary Concrete Barrier</li> <li>• Does <u>not</u> Require Paved Surface</li> <li>• Unidirectional / Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Non-Redirective, Gating</b></li> <li>• <b>Water-filled</b></li> <li>• Meets TL-3</li> <li>• <b>Temporary Work Zone Only</b></li> <li>• Connects to Temporary Concrete Barrier (limited to barrier height of 43" or less)</li> <li>• Does <u>not</u> Require Paved Surface</li> <li>• Standard Barrier (SB) – PCTB</li> <li>• Wide Barrier (WB) – CSB</li> <li>• Extra Wide Barrier (XB) – SSCB</li> <li>• Unidirectional / Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Redirective, Gating</b></li> <li>• Meets TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Connects to Rigid Barriers</li> <li>• Does <u>not</u> Require Paved Surface</li> <li>• Unidirectional Only</li> </ul>
	<ul style="list-style-type: none"> <li>• Shoulder Protection</li> <li>• Point Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Shoulder Protection</li> <li>• Point Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Shoulder Protection</li> <li>• Point Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Shoulder Protection</li> <li>• Point Protection</li> </ul>
	BACKUP WIDTH: 24"	BACKUP WIDTH: 23"	BACKUP WIDTH: 27"	BACKUP WIDTH: 24"
	HEIGHT: 3' – 6"	HEIGHT: 2' – 8"	HEIGHT: 45 7/8"	HEIGHT: 2'-4"
	EFFECTIVE LENGTH: 2 Element – 14'-7 3/4" (TL-2) 3 Element – 20'-11 3/4" (TL-3)	LENGTH: 12' – 0"	LENGTH: 25'-3"	LENGTH: 28'-0" (TL-3)
	Latest Statewide Standard: <b>ABSORB(M)-19</b> <b>(MASH COMPLIANT)</b>	Latest Statewide Standard: <b>SLEDMINI-19</b> <b>(MASH COMPLIANT)</b>	Latest Statewide Standard: <b>SLED-19</b> <b>(MASH COMPLIANT)</b>	Latest Statewide Standard: <b>SSCC-16</b>

♦ This table is provided for informational purposes only, refer to manufacturer's details for the most up to date information.  
 \* Capacity (70mph)  
 NCHRP 350 OR MASH: TL 2 ≤ 45 mph; TL 3 ≥ 50 mph. If MASH compliant, designated "(MASH Compliant)".

## CATEGORIZED CRASH CUSHION ATTENUATORS ♦

SACRIFICIAL (Redirective, Gating)		SACRIFICIAL (Non-Redirective, Gating)		
				
<b>CAT-350 (CATGR)</b>	<b>CAT-350 (CATCB)</b>	<b>TRAFFIX SAND BARRELS</b>	<b>CRASHGARD SAND BARREL</b>	
CAT-GUARDRAIL by Trinity Highway Products, LLC <a href="http://www.trinityhighway.com">www.trinityhighway.com</a>	CAT-CONCRETE BARRIER by Trinity Highway Products, LLC <a href="http://www.trinityhighway.com">www.trinityhighway.com</a>	BIG SANDY by TrafFix Devices, Inc. <a href="http://www.traffixdevices.com">www.traffixdevices.com</a>	CRASHGARD SAND BARREL by PSS Innovations, Inc. <a href="http://www.pss-innovations.com">www.pss-innovations.com</a>	
<ul style="list-style-type: none"> <li>• <b>Redirective, Gating</b></li> <li>• Meets TL-2 and TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Connects to Temporary Concrete with Approved Transition</li> <li>• Does <u>not</u> Require Paved Surface</li> <li>• Unidirectional/ Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Redirective, Gating</b></li> <li>• Meets TL-2 and TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Connects to Temporary Concrete with Approved Transition</li> <li>• Does not Require Paved Surface</li> <li>• Unidirectional/Bidirectional</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Non-Redirective, Gating</b></li> <li>• <b>Sand-filled</b></li> <li>• Meets TL-2 and TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Requires Paved Pad</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Non-Redirective, Gating</b></li> <li>• <b>Sand-filled</b></li> <li>• Meets TL-2 and TL-3</li> <li>• Permanent or <b>Temporary Work Zone</b></li> <li>• Requires Paved Pad</li> </ul>	
<ul style="list-style-type: none"> <li>• Shoulder Protection</li> <li>• Point Protection</li> <li>• Gore Two-Side Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Shoulder Protection</li> <li>• Point Protection</li> <li>• Gore Two-Side Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Shoulder Protection</li> <li>• Point Protection</li> <li>• Gore Two-Side Protection</li> </ul>	<ul style="list-style-type: none"> <li>• Shoulder Protection</li> <li>• Point Protection</li> <li>• Gore Two-Side Protection</li> </ul>	
BACKUP WIDTH: 24" – 30"	BACKUP WIDTH: 24" – 30"	BACKUP WIDTH: 24" – 84"	BACKUP WIDTH: 24" – 84"	
HEIGHT: 27 3/4"	HEIGHT: 27 3/4"	HEIGHT: 32"-36"	HEIGHT: 36"	
LENGTH: 31' – 3" (TL-3)	LENGTH: 31' – 3" (TL-3)	LENGTH: Variable – See VIA(SFPM) (30 to 65 mph) (TL-2) (TL-3)	LENGTH: Variable – See VIA(SFPM) (30 to 65 mph) (TL-2) (TL-3)	
Latest Statewide Standard: <b>CATGR(2)-17</b>	Latest Statewide Standard: <b>CATCB(1)-17</b>	Latest Statewide Standard: <b>VIA(SFPM)-19 (MASH COMPLIANT)</b>	Latest Statewide Standard: <b>VIA(SFPM)-19 (MASH COMPLIANT)</b>	

♦ This table is provided for informational purposes only, refer to manufacturer's details for the most up to date information.  
 \* Capacity (70mph)  
 NCHRP 350 OR MASH: TL 2 ≤ 45 mph; TL 3 ≥ 50 mph. If MASH compliant, designated "(MASH Compliant)".