Safety Barrier System
Acceptance Conditions

BG800 MDS Safety Barrier - Temporary

<table>
<thead>
<tr>
<th>Status</th>
<th>Accepted – may be used on the classified road network</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product accepted</td>
<td>BG800 MDS Steel Safety Barrier</td>
</tr>
</tbody>
</table>

Variants

- BG800 MDS Steel Safety Barrier anchored at 6 metre spacing with threaded rod anchor (chemically set)
- 6 metre BG800 MDS Steel Safety Barrier sections with an attached T-Top structure, concrete base using Hilti wedge bolt anchors
- 12 metre BG800 MDS Steel Safety Barrier sections with an attached T-Top structure, concrete base using Hilti wedge bolt anchors
- BG800 MDS Full Height Terminal End (6 and 12 metre)
- 0.61 metre BG 800 5° Radius Section
- 0.61 metre BG 800 10° Radius Section

Acceptance of this product does not place any obligation on Roads and Maritime Services, or its contractors, to purchase or use the product.

Tested Outcomes

<table>
<thead>
<tr>
<th>Containment Level</th>
<th>Point of Redirection</th>
<th>Tested Article Length (m)</th>
<th>Anchor/Post Spacing (m)</th>
<th>Dynamic Deflection (m)</th>
<th>Working Width (m)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MASH TL3</td>
<td>Interface between barrier and the end treatment</td>
<td>42</td>
<td>6.0</td>
<td>0.44</td>
<td>0.98</td>
<td></td>
</tr>
</tbody>
</table>

Approved Connections

Crash Cushions or Terminals must be fitted to both ends of a barrier

Public Domain Products

- W-Beam Guardrail: Not Permitted
- Thrie-Beam Guardrail: Not Permitted
- Concrete: Not Permitted

Proprietary Products

- UNIVERSAL TAU-II Crash Cushion
  - Refer Universal Tau-II Crash Cushion Technical Conditions for Use.
  - The UNIVERSAL TAU-II COMPACT BACKSTOP must be used to connect the terminal to the barrier. The transition includes the Full Height Terminal End.
  - Permitted as a terminal on a flare.
QUADGUARD CZ Crash Cushion
- Refer QUADGUARD CZ Crash Cushion Technical Conditions for Use.
- The BG 800 to QG TRANSITION must be used to connect the terminal to the barrier. The transition includes the Full Height Terminal End.
- Permitted as a terminal on a flare.

SMART Steel Crash Cushion
- Refer SMART Crash Cushion Technical Conditions for Use.
- The BG 800 to SMART STEEL CRASH CUSHION TRANSITION must be used to connect the terminal to the barrier. The transition includes the Full Height Terminal End.
- Permitted as a terminal on a flare.

ABSORB 350 Plastic Terminal – Temporary
- Refer ABSORB 350 Plastic Terminal Technical Conditions for Use.
- The installation is restricted to a speed of 70 km/h or less.
- The ABSORB 350 TRANSITION Assembly must be used to connect the terminal to the barrier. The transition includes the Full Height Terminal End.
- Not Permitted as a terminal on a flare.

Design Guidance

This product must be installed and maintained in accordance with the Product Manual and Roads and Maritime specifications

<table>
<thead>
<tr>
<th>Pavement</th>
<th>Use</th>
<th>Accepted Speed (max)</th>
<th>Post/ Pin Spacing (m)</th>
<th>Post/ Pin Type</th>
<th>Pavement Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete</td>
<td>Permitted</td>
<td>100 km/h</td>
<td>6</td>
<td>M24 x 250mm threaded rod with resin</td>
<td>Approx. 204mm (8&quot;) Concrete</td>
</tr>
<tr>
<td>Deep lift asphaltic concrete</td>
<td>Permitted</td>
<td>100 km/h</td>
<td>6</td>
<td>M24 x 450mm threaded rod with resin</td>
<td>Minimum 150mm (6&quot;) Asphalt</td>
</tr>
<tr>
<td>Asphallic concrete over granular pavement</td>
<td>Permitted</td>
<td>100 km/h</td>
<td>6</td>
<td>M24 x 450mm threaded rod with resin</td>
<td>Approx. 89-102mm (3.5-4&quot;) asphalt over Approx. 152mm (6&quot;) thick dense grade aggregate (DGA)</td>
</tr>
<tr>
<td>Flush seal over granular pavement</td>
<td>Not permitted</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unsealed compacted formation</td>
<td>Not permitted</td>
<td></td>
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<td></td>
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</tbody>
</table>

Note: Installation in pavement conditions not listed above have not been justified to the Roads and Maritime’s satisfaction.