



## **X-MAS™** **X-Tension™ Median** **Attenuator System**

- Low Initial Price
- Redirective, Non-Gating
- Contractor Friendly
- Simple Installation



# X-MAS™ X-Tension™ Median Attenuator System

- 1 IMPACT HEAD
- 2 SOIL ANCHOR
- 3 CABLES
- 4 X-TENSION POSTS
- 5 STANDARD POSTS
- 6 STANDARD GUARDRAIL



## NCHRP 350 TL-3 REDIRECTIVE, NON-GATING IMPACT ATTENUATOR DESIGNED FOR MEDIAN APPLICATIONS

The Redirective, Non-Gating, Sacrificial (R-NG-S) X-Tension Median Attenuator System [X-MAS] features excellent impact performance and easy installation at an affordable price, with no foundation required. By using standard guardrail parts and superior engineering, this low cost attenuator provides the same life saving performance expected from NCHRP 350 Redirective, Non-Gating Impact Attenuators at a fraction of the initial price.

### FEATURES

- The lowest initial price NCHRP 350 TL-3 Redirective Non-Gating crash cushion available
- Available in 727 or 787mm [28.5 or 31"] heights
- Attaches directly to double faced guardrail
- Can be attached to concrete barrier with standard transitions
- Contractor friendly
- Easy to install
- No foundation required
- No backup required

### PHYSICAL SPECIFICATIONS

Classification	R-NG-S
Length	12 m [40']
Width	572 mm [22.5"]
Height	727 / 787mm [28.5/31"]
Weight	594 kg [1310 lb]
Test Level	NCHRP 350 TL-3



### WHERE TO USE

- Narrow medians
- Wide medians
- Gore areas
- Toll Plazas



The X-MAS is available with an optional high visibility nose.

General details for the X-tension Median Attenuator System are subject to change without notice to reflect improvements and upgrades. Additional information is available from Barrier Systems, Inc.

### Frequently Asked Questions

#### DOES THE X-MAS USE STANDARD GUARDRAIL POSTS?

All the posts are steel. The first two posts are special, all other posts are standard steel guardrail posts.

#### CAN THE X-MAS BE INSTALLED WITHOUT A FOUNDATION?

The X-MAS uses guardrail posts that are driven into the ground using standard guardrail installation equipment, therefore, no foundation is required.

#### CAN THE X-MAS BE ATTACHED TO CONCRETE BARRIER?

The X-MAS can be attached to concrete barrier with the addition of standard transitions.

#### CAN THE X-MAS BE INSTALLED USING COMPOSITE BLOCKOUTS?

The X-MAS can be ordered with either wood or composite blockouts.

#### IS A TRANSITION NEEDED TO ATTACH TO STANDARD DOUBLE SIDED GUARDRAIL?

The X-MAS is designed to attach directly to standard double faced guardrail with no transition required.

#### IS THE X-MAS REUSABLE AFTER A DESIGN IMPACT?

The X-MAS is designed to be a sacrificial crash cushion, making it ideal for low impact locations.

#### CAN THE X-MAS BE INSTALLED IN LOCATIONS OTHER THAN MEDIANS?

Yes, The X-MAS Meets NCHRP 350 TL-3 criteria as a Redirective Non-Gating attenuator. Use in gore areas and toll plazas is recommended.

DISTRIBUTED BY:

**BARRIER SYSTEMS**

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