



Transpo Industries manufactures a variety of innovative products and materials designed for improving road safety and bridge preservation. The company's reputation as an expert in rehabilitation, preservation and safety has made Transpo a leading supplier since 1968.

[transpo.com](http://transpo.com)

Tested to MASH standards



## Break-Safe®

### OMNI-DIRECTIONAL BREAKAWAY SIGN SUPPORT SYSTEM

#### Saving Lives

Transpo's Break-Safe is an omni-directional breakaway support system for ground mounted signs that are located within roadside clear zones or other locations vulnerable to vehicular impacts. The system is designed to break away quickly and cleanly upon impact, thus saving lives and reducing property damage.

All Break-Safe models are FHWA approved for use on the National Highway System (NHS) and Federal Aid projects.



#### TYPE A MODELS

Model	Size	Type
A14	3", 4	Standard I-Beams
A16	6" X 9	Wide Flange I-Beams
AP	3", 3.5", 4", 4.5"	O.D. Round Pipes
AS	2.5", 3", 3.5", 4"	Square Tubes

#### TYPE B MODELS

Model	Size	Type
B525	6", 8"	Wide Flange I-Beams
	5", 6"	Square Tubes
B650	10"- 21"	Wide Flange I-Beams
	7", 8"	Square Tubes

Break-Safe is designed to support a wide range of post sizes, up to and including the largest permitted by AASHTO.

Use our [Sign Post Selection Program](#) to find the appropriate model.



SAFER TRANSPORTATION THROUGH INNOVATION

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### OMNI-DIRECTIONAL BREAKAWAY SIGN SUPPORT SYSTEM



#### Break-Safe Sign Post Selection Program

This valuable tool on our website is designed to select the appropriate sign supports and Break-Safe model for a wide variety of configurations.

#### Breakaway Performance

The Break-Safe system is omni-directional, meaning it is designed to break away with consistent, predictable behavior, regardless of the vehicle's angle of impact. This unique capability exceeds FHWA and AASHTO requirements for impact performance.

#### Hinge Plates

Break-Safe includes hinge plates that connect the upper and lower sections of each post in multi-post sign installations. When one post is impacted, the Hinge Plates allow the lower post section to swing out away from the vehicle, while the non-impacted posts remain intact.

#### High Structural Capacity

National signing standards specify increased sign sizes for visibility and increased wind load levels, increasing structural demands on sign supports. Break-Safe offers high structural load carrying capacity to accommodate these different sign configurations and post types. The high-strength coupling and L-bracket design provides increasing structural capacity as the size of the post increases.



#### High Durability

All Break-Safe couplings and hardware are hot-dip galvanized in accordance with ASTM A153 to provide proven corrosion protection in harsh roadside environments.

#### Easy to Install and Maintain

No special tools or equipment are required to properly install and maintain Break-Safe. All components are easily secured using the American Institute of Steel Construction (AISC) turn-of-nut tightening method, which eliminates the need for precise torque levels on bolts.

#### Low Profile

Break-Safe offers the lowest stub height after impact of any current breakaway system for signs. This is essential for maximum safety and allows for variations in foundation height. The after impact stub height of Break-Safe is less than one inch above the top foundation.



## Need more information?

[TRANSPO.COM/SAFETY](https://transpo.com/safety)

Contact the safety experts at Transpo to find out more about the various products we offer. If you need advice on how to install the product, the professionals at Transpo will guide you through the process. Project specific questions? We can assist you in creating a cost-effective, tailored solution for your project.



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