



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.

WWW.TRANSPO.COM

Tested to MASH standards



Break-Safe®

OMNI-DIRECTIONAL BREAKAWAY SIGN SUPPORT SYSTEM

Saving Lives

Break-Safe® is Transpo's breakaway support system for ground mounted signs that are located within roadside clear zones or other locations vulnerable to vehicular impacts. The omni-directional 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 breakaway sign support model to meet the needs of your specific project.



Break-Safe® MASH Tested OMNI-DIRECTIONAL BREAKAWAY SIGN SUPPORT SYSTEM



Break-Safe Sign Post Selection Program

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

Omni-Directional Breakaway Performance

Break-Safe® couplings are omni-directional. The system breaks 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

Break-Safe® offers high structural load-carrying capacity. National signing standards specify increased sign sizes for visibility and increased wind load levels. These size changes create a significant increase in structural demands on sign supports. Break-Safe® is designed to accommodate 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 install and maintain Break-Safe®. Components are easily secured using the American Institute of Steel Construction (AISC) turn-of-nut tightening method, which eliminates the torque requirement typical with other systems.

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?

[WWW.TRANSPO.COM/SAFETY](http://www.transpo.com/safety)

Contact the materials 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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