



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



WWW.TRANSPO.COM

Pole-Safe®

FRANGIBLE FUSE BOLTS

Frangible Connections

Transpo's Pole-Safe® Frangible Fuse Bolt System (Pole-Safe® double neck breakaway supports), features frangible anchor bolt/base plate connections designed to be used with objects such as navigational or visual aids, placed within the designated safety area that are required by the FAA and ICAO to be mounted on frangible supports.

Pole-Safe® omni-directional breakaway support system is engineered to break away quickly and cleanly upon impact.

Pole-Safe® is listed as the approved fuse bolt in the FAA Airport Circular and in the ICAO Aerodrome Design Manual.

4000 SERIES*	
Model Number	Anchor Bolt Diameter
4050	1/2"
4062	5/8"
4075	3/4"
4100	1"
4125	1-1/4"

5000 SERIES*	
Model Number	Anchor Diameter
5062	5/8"
5075	3/4"
5100	1"
5125	1"

* Available for metric anchors



SAFER TRANSPORTATION THROUGH INNOVATION

Pole-Safe®

Frangible Fuse Bolts

Features and Advantages

- Superior safety performance.
- Offers exceptional resistance to forces created by wind and dead loads.
- Can be used on a large range of configurations.
- No special tools or equipment needed for installation.
- Couplings hardware are hot-dip galvanized in accordance with ASTM A153 to provide corrosion protection.
- Torque free maintenance.

Tested and Proven

Extensive finite element analysis and simulated wind load testing has been used to optimize the system. Independent fatigue testing has demonstrated that Pole-Safe® couplings are capable of withstanding more than two million load cycles with no reduction in structural capacity.

Low initial cost along with high structural capacity and zero maintenance makes the Pole-Safe® omni-directional breakaway support system the most cost-effective solutions for all breakaway applications.

Applications Include:

- Localizers
- Approach lift towers
- Wind indicators



FAA

AC# 150/5220-23, Appendix 1

Approved Fuse Bolts

“Transpo Double-Neck” Pole Safe Coupling

- Model Nos. 4075 and 5075.
- FHWA Acceptance Letter LS-45C.

“Transpo Double-Neck” Pole Safe Coupling

- Model Nos. 4062 and 5062
- FHWA Acceptance Letter LS-45B.

ICAO

Aerodrome Design Manual, Part 6, Section 4.1.1

Frangible Fuse Bolts

- Protect your aircraft by using frangible fuse bolts on all fixed objects within an airfield’s runway and taxiway safety area.



Need More Information?

WWW.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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