

For every foot of TuffRail (see figure 1 below) there are three mounting holes (C), four pin lock points (B), and one pin insertion point (A). At each end of the rail are two additional insertion points (D). There is also a T-slot channel running the full length of the rail. Enclosed wiring channels run on both sides of the rail. The ends of the rail are machined at a 45 degree angle and provide an entry point for the TuffPin as well as the wiring channel.

The TuffPin consists of a pin with a thick washer on the bottom to form a T-slot. There is a spring loaded sleeve that is configured to fit in the lock positions (B) securely when engaged (figure 3). The pin enters into the T-slot channel (figure 2) via the insertion point (A) as shown in figure 1.

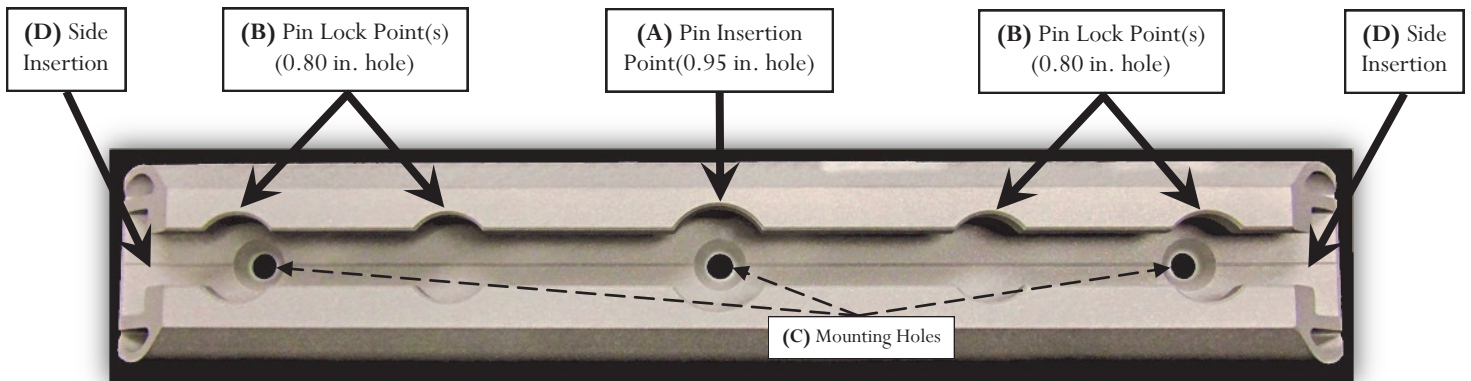


Figure 1 - One foot section of the General rail showing hole patterns and mounting points.

NOTICE: Pin Insertion Point (A) is a larger hole than Pin Lock Point (B). (A) is used for insertion only and should NEVER be used for a lock position to secure cargo/load.



Figure 2 - TuffPin placed at insertion point (A)



Figure 3 - TuffPin properly seated in Lock Point (B)



Figure 4 - Closed TuffPin

Maintenance

- Inspect for damage or cracking before each use.
- Clean with typical solvent
- Replace if broken or severely damaged. TuffPins are sold through www.TuffRail.com



Figure 5 - Open TuffPin

Insert the TuffPin into the TuffRail and Lock:

Place thumb on the top of the pin with second and third fingers on the sides of the sleeve (like a syringe). Place open TuffPin at the insertion point of the rail (Figure 2). Slide the open TuffPin to a lock point (Figure 3) and release the sleeve. You are now ready to attach your tie-down and secure your load. The TuffPin will self center on its 360 degree axis. When TuffPins are not in use, store them out of the TuffRail to avoid accidents and avoid unnecessary wear from movement.