

## TRAILER INSTALL

TuffRail trailer installation should be performed by a skilled person. Trailer designs vary greatly. There are a few main parameters one needs to follow. The first being, the rail must be secured to a strong surface that is flat enough to ensure a good footing for the entire rail length. Second, use the correct hardware designed for your application. Third, there is access to the back of the mounting surface for the bolt-through securing method if applicable. Forth, that a clear path -line between your load and rail so the tie-down can be spanned without obstruction. Always make sure the hole through the mounting surface does not damage any components such as brake lines, electrical, fuel lines or tanks.

For the best installation, the rail should be securely bolted through metal that is thick enough to provide a secure anchor point.

### Tools Required

- Drill
- 1/4 inch metal drill bit.
- Clamp (or assistant)
- 7/16 wrench or socket.
- Phillips driver #3 (best) or #2
- 5/32 drill bit for pilot hole (joist mount only - softwood)

1. Plan and locate each desired mounting position. It is best to have a layout of all mounting locations before you begin drilling.
2. Clamp or hold the rail in position.
3. Verify that hole placement is accessible from behind as well as not damaging any critical infrastructure.
4. Drill either the pilot hole or the 1/4 inch hole through the bed rail at each predrilled rail position.
5. (Joist) insert and tighten screw for each pilot hole drilled.
6. (Bolt-through) Insert screw (bolt) through the rail and mounting surface. Glue on the bolt will add security.
7. Place a washer and then the lock nut on the bolt and tighten using the 7/16 wrench and Phillips driver.

### WARNING:

Follow the installation instructions carefully. Failure to do so could result in personal injury or damage to property. Do not use this product for lifting or towing. Locate fuel tanks, fuel filler pipes, and any supply lines to avoid puncture during drilling. Check for damage before use.

## INSTALL (CONT.)

Joist mounting should use a durable screw and utilize as many mounting holes as possible. Mounting on a raised floor covering or through wall coverings are possible as long as the medium is durable and rigid. Mounting hardware as well as specifications are available through TuffRail.

**It is highly recommended that the installation utilizes ALL predrilled mounting holes so that maximum hold can be achieved between the mounting surface and rail.**

### Hardware Bag

Check your packing slip to verify which hardware bag is enclosed in the packaging. Each bag contains the required hardware for the specific General rail.

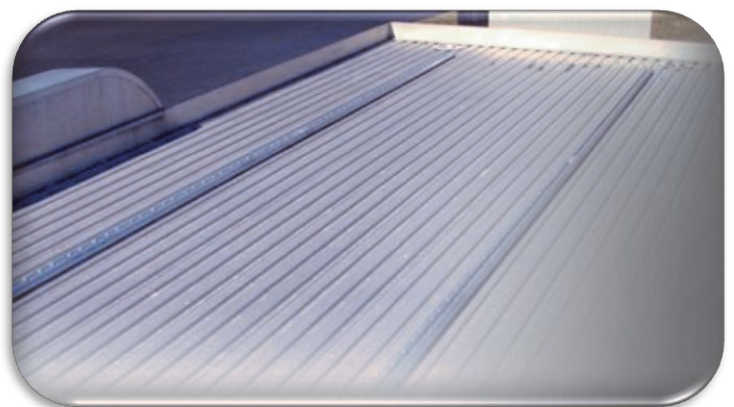
*Note: Not all rail orders include hardware.*



### NOTES:

We recommend a torque setting of 75 inch/lbs when drilling. Applying a small amount of oil or anti-seize between the nut and bolt is also strongly recommended for ease of installation.

The rail may be mounted on any surface solid enough to hold it, for example you may mount the rail vertically or horizontally on the walls of your trailer if applicable.



**QUESTIONS CALL: 262.707.1347**  
**OR EMAIL SALES@TUFFRAIL.COM**