



IDEAL WAREHOUSE
INNOVATIONS INC®

Protecting Your People

TRAILER COLLAPSE PREVENTION



Trailer Stands + No Boots on the Ground®

When a docked trailer collapses (a more common occurrence than most realize) dock catastrophe follows. Worker injury, damage to the loading dock, forklift, dock equipment, and cargo are all possible. But the good news is... they're all avoidable.

Trailer Stands offer a simple, cost-effective solution to trailer collapse. And for additional safety in a busy dock environments, consider our No Boots on the Ground® options that keep workers off the dock approach and out of harm's way.



TRAILER COLLAPSE PREVENTION MEETS NO BOOTS ON THE GROUND®

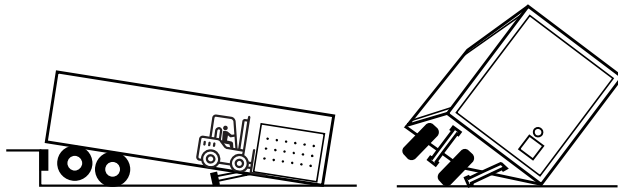
TRAILER COLLAPSE

Preventing Catastrophe

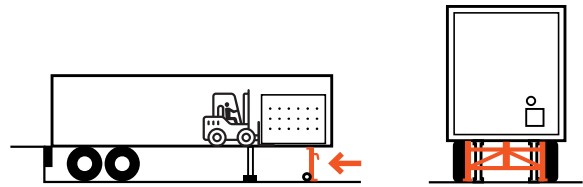
While preventing harm to personnel is more than reason enough to include trailer stands in your dock safety strategy, there are also serious business consequences to be aware of, in the event of a trailer failure.

- Dock disruption leading to supply chain challenges
- Forklift, trailer, and loading dock damage
- Lost cargo
- Legal costs
- Employee morale

Add to that the potential cost of business disruption due to 'down' dock positions (estimated at \$1700 per dock, on average) and a potentially lengthy investigation, repair, and clean up, and it's easy to see how this can turn any business's day-to-day operations upside-down.



Landing gear collapse and trailer rollover put workers and facilities at risk.



A trailer stand can save lives, prevent injury, and avoid damage.



NO BOOTS ON THE GROUND®

In high-traffic, high-volume loading dock environments, with a constant rush-hour of Yard Jockeys and trailers maneuvering blind spots and tight dock positions, workers in the dock approach (to deploy a trailer stand, say) face great risk. It was a tragedy in such an environment that prompted a customer to approach Ideal Warehouse Innovations for help in adopting a policy of no foot-traffic in the dock approach. Their story inspired our innovations team to create our No Boots on the Ground® product line, new trailer collapse prevention options that can be deployed without setting foot in the dockyard

DIFFERENT STAND FOR DIFFERENT DOCKS

Trailer Stand Considerations

HIGH-TRAFFIC DOCKS - Truck and Yard Jockey traffic make the dock approach a dangerous place for workers on foot. Our No Boots on the Ground® products help prevent potentially tragic accidents

WIDE SUPPORT - For optimal stability, a wide trailer stand option can help reduce/eliminate side-to-side stresses created by the forklift maneuvering within.

THE DOCK OF THE FUTURE - Our Ground Mounted Trailer Stand is a future ready, fully automated option for the ultimate in efficiency and safety.

LOW-TRAFFIC DOCKS - In less-busy dock scenarios, our manual stands offer an easy way to help prevent trailer collapse.

LOADING DOCK EFFICIENCY - Using the Yard Jockey to deliver/retrieve our Shuntable 2.0 Trailer Stand is an efficient, ergonomic, time-saving approach.

HEAVY DUTY - All Ideal Warehouse Innovations' Trailer Stands are drop tested and certified to deliver 100,000 lbs of support.

MEET OUR TRAILER STAND FAMILY

SIMPLE, STRONG & DEPENDABLE



WHITE PAPER DOWNLOAD

MANUALLY DEPLOYED STANDS

Our traditional
Trailer Stands.



AUTOSTAND PLUS & AUTOSTAND
Strong support. Simply.

Extra-wide, extra-easy
support.



AUTOSTAND WIDE
Quick-to-position, ergonomic, and strong.

For light-traffic docks.



TWO-POST TRAILER STAND
Strong, economical support.

NO BOOTS ON THE GROUND® TRAILER STANDS

Stores easily.



SHUNTABLE 2.0
Our easy-to-store,
No Boots on the Ground® option.

Push-button-easy.



GROUND MOUNTED TRAILER SUPPORT*
The ultimate.
Push-button-easy

Manage your dock efficiency with just the right trailer stand for your needs.

	MANUAL SOLUTIONS				NO BOOTS ON THE GROUND® SOLUTIONS	
KEY ISSUE CONSIDERATIONS	AutoStand Wide	AutoStand Plus	AutoStand	Two-Post	Ground Mounted	Shutable 2.0
Prevents trailer collapse	✓	✓	✓	✓	✓	✓
Autonomous vehicle ready	✗	✗	✗	✗	✓	✗
No Boots on the Ground® complete safety	✗	✗	✗	✗	✓	✓
Safest side to side full-load support	✓	✗	✗	✓	✓	✓
Ergonomic, "no-crank", stress-free design	✓	✓	✗	✗	✓	✓
Satisfies OSHA regulation: 1910.178(k)(3)*	✓	✓	✓	✓	✓	✓
Labor to deploy	Medium	Medium	High	High	None	Medium

* Fixed jacks may be necessary to support a semitrailer and prevent upending during loading or unloading when the trailer is not coupled to a tractor.

GROUND MOUNTED TRAILER SUPPORT



BE READY FOR THE AUTONOMOUS VEHICLE DOCK OF THE FUTURE

The permanently positioned, No Boots on the Ground® trailer support. (Of the future!)

Among the most dangerous areas in the workplace, the loading dock is evolving with automated systems and solutions for efficiency and safety.

A major safety policy upgrade, being implemented at many organizations, is to eliminate foot traffic in the busy and hazardous loading dock approach. The Ground Mounted Trailer Support (GMTS), featuring loading-dock-of-the-future automation, offers an extraordinary solution.

Trailer stands, so important in the prevention of trailer collapse, typically require a worker in the dock approach to deploy/retrieve the device.

The GMTS's innovative design has the unit permanently positioned in the dock approach, in a retracted state. Like a low-profile speed bump, the incoming trailer passes over the retracted device. When the cab detaches and departs, with a push of a button from inside the dock, the GMTS rises to meet the underside of the trailer in a matter of seconds.



**A fully-automated, heavy-duty option
for busy loading dock environments.**



**SIMPLY INSTALLED,
PERMANENTLY POSITIONED**



**SELF-ADJUSTING
TO ANY TRAILER HEIGHT**



**PUSH-BUTTON
OPERATION**

SHUNTABLE 2.0 TRAILER STAND



OUR HEAVY-DUTY, NO BOOTS ON THE GROUND® TRAILER STAND

The Shutable 2.0 Trailer Stand. All gain, no pain.

The loading dock approach is a dangerous place for workers on foot. The Shutable 2.0 Trailer Stand is an Ideal Warehouse Innovations' No Boots on the Ground® product designed to help keep dockworkers out of harm's way.

Deployed by shunt truck, the Shutable 2.0 Trailer Stand is a completely hands-free solution, meaning there's no lugging required by a worker in the dock. This translates to reduced strain and slip-fall injuries.

Positioned by the yard jockey (also called the terminal tractor or shunt truck) fitted with a lifting device, the yard jockey can quickly and efficiently place its trailer and then the trailer stand, all in one run. One lifting device can deploy many stands across multiple dock positions. We also now offer an optional lighting solution for the lifting device for increased safety in low-light conditions.

The Shutable 2.0 Trailer Stand is an extra-wide stand providing important side-to-side support, but also features a compact footprint for easy storage in the gap between dock positions. We offer several lifting device bracket options for yard jockey compatibility.

SHUNTABLE 2.0 LIFTING DEVICE



SHUNTABLE 2.0



Able to support the heaviest of trailers in high-traffic dock environments, the heavy-duty Shutable 2.0 Trailer Stand is a heavy duty safety solution.



**STORES EASILY
BETWEEN DOCK POSITIONS**



**POSITIONED BY THE
YARD JOCKEY**



**STEPPED,
EXTRA-WIDE DESIGN**

AUTOSTAND WIDE

OUR MOST EFFICIENT AND STURDY MANUAL TRAILER STAND

Quick-to-position, ergonomic, and strong.

No cranking, no back-strain– the AutoStand Wide (ASW) is Ideal Warehouse Innovations' newest, strongest, and easiest manual trailer stand. Ergonomically designed and maneuverable, the ASW can be placed as easily as a shopping cart and then secured with a simple foot pedal.

The AutoStand Wide's extra-wide support covers two-thirds of the total trailer width and easily holds up to the heaviest of loads. It offers the ultimate protection from the side-to-side rocking of a trailer caused by heavy forklift activity that can lead to landing gear collapse or trailer tip-over.

It was this unique offering which earned the AutoStand Wide a finalist position in the MHI Innovation Awards 2021. A judging panel comprised of professionals from the material handling and supply chain industry whittled down a list of over 90 fantastic entries, to just a few finalists including the AutoStand Wide.



**The AutoStand Wide
is our finest manual stand yet!**



**EASY TO DEPLOY IN
SECONDS**



**EXTRA-WIDE,
HEAVY-DUTY SUPPORT**



**PROTECTS AGAINST
SIDE-TO-SIDE ROCKING**

*Time measured: Average time to bring stand from stored position to trailer nose; engage; disengage; and move back to stored position.

AUTOSTAND PLUS AND AUTOSTAND

TRIED, TESTED & TRUE: OUR TRADITIONAL TRAILER STANDS

Self-leveling and easy to deploy.

With their stable platforms and ergonomic design, Ideal Warehouse Innovations' **AutoStand Plus** and **AutoStand** are engineered to shoulder the weight and stresses of on/off loading in high-traffic loading dock environments.

Easy-to-deploy with a self-leveling gas-shock system and large all-terrain wheels, our AutoStands instantly create a stronger, safer loading environment. Both units lock with a security pin, but the **AutoStand Plus** integrates an easier and more ergonomically friendly lever system for faster usage.



AUTOSTAND



AUTOSTAND PLUS

Up to 100,000 lbs Static Load Capacity (45,359 kg)



**ERGONOMIC &
EASY TO OPERATE**



**PREVENT TRAILER
UP-ENDING**



**PREVENT LANDING
GEAR COLLAPSE**

TWO-POST & RATCHET TOP TRAILER STAND

FOR LIGHT TRAFFIC DOCKS

TWO-POST TRAILER STAND

A great choice for light-traffic, budget-conscious docks

The Ideal Warehouse Innovations' exclusive **Two-Post Trailer Stand** does what no single post solution can do. With twin, weight-bearing posts; one positioned on either side of the trailer, the Two-Post Trailer Stand provides two-contact-point stability to protect against trailer tip-over and trailer up-ending.

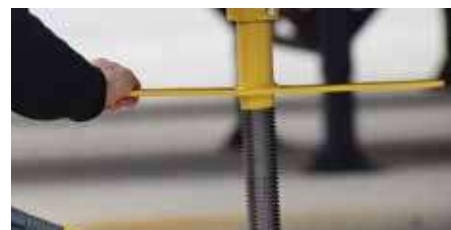
Stowed on a sturdy transportation cart for easy deployment, the Two-Post Trailer Stand is built to last. However, because they require double deployment, our Two-Post Stand is best suited to lower-traffic loading docks.



FOR MAXIMUM STABILITY



EASY TRANSPORTATION CART



TWIN-SPIN LEVELLING SYSTEM

RATCHET TOP

The strongest maintenance jack around

The Ideal Warehouse Innovations' **Ratchet Top Maintenance Jack** is the answer to all your heavy-duty, trailer maintenance needs. Easy to position, with an efficient ratcheting mechanism, the Ratchet Top Maintenance Jack has you covered for any maintenance or tire-changing work throughout the day.



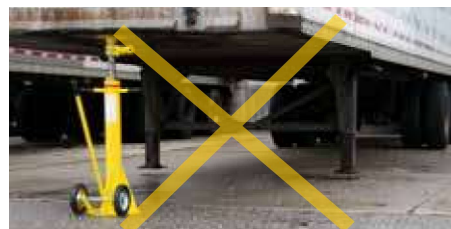
**NOT TO BE USED
AS TRAILER STAND**



**QUICK AND EASY
MAINTENANCE SOLUTION**



**RATCHET MECHANISM
LIFTING POWER**



**NOT TO BE USED
AS TRAILER STAND**



ALERT: It is dangerously common practice to use a trailer maintenance jack in lieu of a trailer stand. Jacks should only be used for the maintenance/tire change operations for which they are designed and rated and should never be used in place of a trailer stand.



**IDEAL WAREHOUSE
INNOVATIONS INC.**
Protecting Your People

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Trailer Stand products are protected by the following patents and many additional patent pending files: Ground Mounted Trailer Support 198750(CA), Shuntable Trailer Stand 1.0 11535315(US), AutoStand Plus: 8016257(US), 2608682(CA), Two-Post: 11225225(US), D883148(US), 175308(CA), 182333(CA), 183548(CA), 4511715(EP).
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