

T I T A N T R A I L E R S



W A L K I N G F L O O R T R A I L E R S

Strength Through Innovation 

[www.titantrailers.com](http://www.titantrailers.com)



# The Original THINWALL®

In 1996, Titan's horizontal THINWALL extruded aluminum panel introduced the haulage world to a whole new way of designing trailers. Titan developed THINWALL to meet an engineering challenge from a customer.

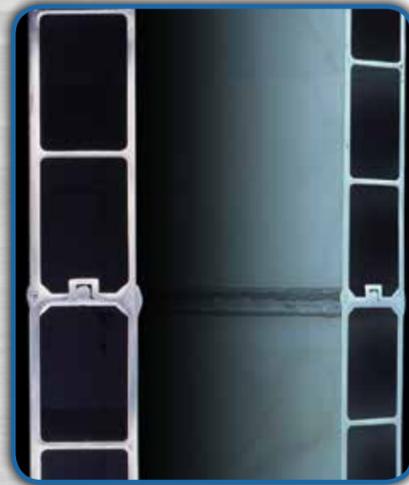
*“Create a smooth-sided, light-weight, high volume thin-walled moving floor trailer, that will match the strength of a post & panel trailer carrying heavy loads without bowing.”*

The original THINWALL met the challenge. Today, THINWALL continues to meet and exceed new challenges from Titan's customers around the world with a full range of WALKING FLOOR® unloader systems, tipper trailers, unibody hopper trailers, dumps and specialty trailers.

## The horizontal THINWALL advantage?

- Double-walled hollow core extruded aluminum alloy, welded 100% inside and out, from end to end provides industry leading strength to weight ratio
- THINWALL provides the trailer with maximum volume to ensure maximum payload can be achieved
- The THINWALL construction allows a dent free exterior skin
- Smooth exterior creates an aerodynamic trailer, allowing for increased fuel mileage compared to conventional post and panel trailers
- Hollow core THINWALL provides cavities for routing air and electrical lines safely through the trailer body
- The horizontal panel allows for full integration of side seals and top rails that typically run down the length of the trailer; this integration in the extrusion design benefits the overall structural integrity of the trailer by eliminating the welding process
- The integrated extrusion design allows for a direct connection of floor beams to the sidewall which creates a uniform dispersion of stresses throughout the strong and durable sidewall structure

Our THINWALL technology is the foundation of a network worldwide of Titan assembly facilities producing the world's most durable lightweight trailers.



**If it doesn't say TITAN,  
it can't say THINWALL®!**

**“Continuous innovation”**  
**It's more than a promise at Titan...**

*It's our way of life and the driving force behind our commitment to deliver today's best designed, best built, custom trailers.*

## The better business choice

**Truck drivers must navigate many obstacles on the road to success these days, and we listen to their specific needs to solve problems.**

- higher equipment costs and longer payback times • rising diesel & petrol costs
  - tougher competition and even tighter margins • multinational road standards and load limits
- For over 40 years, Titan Trailers has been building made-to-order trailers, designed to give our customers the competitive edge they need.

No matter what you're hauling – waste, grain, scrap metal, aggregates, hot tarmac, logs or woodchips – if you need a trailer that's purpose-built to do the job right, you need a Titan.

### What makes a Titan the best choice?

- **earn more on every payload:** maximize your capacity with every load
- **earn every day:** spend less time in the shop and more time on the road
- **earn more on every mile:** with fuel-efficient design and low maintenance costs
- **earn more on return loads:** combine your trailer with a KEITH® WALKING FLOOR® system for versatility to take on any load from “extreme duty” materials to high volume bulk to palletized products
- **earn longer:** get more years, more kilometers and a higher resale value from your investment
- **earn more business:** with purpose fit custom features and a professional image that sets you apart from the competition

### Unmatched Strength to Weight – Proven Reliability

Titan manufactures the lightest weight hauling trailer for demanding North American industries.

As well as providing strength to last in demanding applications, the lightweight THINWALL trailers can reduce fuel consumption while allowing haulers to carry more payload per trip. The smoothwall interior also improves the trailer's cubic capacity, again increasing the operators' ability to load more and earn more.



# TITAN PARA MAX

- Titan ParaMAX high-lift suspension available with steer and non-steer axles has up to 10" of lift with a total travel of 14"
- True parallel lift that allows the self steer axle kingpins to stay vertical through the entire suspension travel which increases tire life by keeping the tires flat to the road
- As an articulated suspension it allows different road heights from side to side in extreme terrain
- In conjunction with supreme lift, flexible articulation from side to side greatly reduces stress in the axle, suspension, trailer frame and body, extending overall trailer life.



# WOOD CHIPS *agriculture* FORESTRY *aggregates*

FOOD COMMODITIES



**TITAN OPTIONS**

**REAR GRAIN HOPPER OPTION**



Aluminum Coupler

Front Man Door with Flip step beneath

Sample door

View Window



Rear Integrated Rear Hopper

Removable Rear Vinyl Hopper



A Titan J Ladder Mounted to Roadside or Curbside Available

Rear Access Ladder

24", 30" or 36" Catwalk

Hose Hangers



Top Rail Overlay for Top Loading on Loading Side of Trailer

Customized Tool Compartment

Wedged and Tapered Floor Trailers Available

Various Light Configurations Available

**FLOW THRU WALKING FLOOR**



B-Train configuration, lead and pup slides together to allow material to walk from lead thru pup. Can be used on tipping platform as well.

**AGGREGATE WALKING FLOOR**



Walking floor trailer specifically designed for hauling various aggregate materials.



**26 Slat Floor**  
Agricultural, Forestry, Wood Chips, Mulch, Food Commodities

**BECAUSE IT'S A TITAN**



Aluminum Air Tanks



All Aluminum Chassis



Flip-Up Shedder



Tapered Top Rail



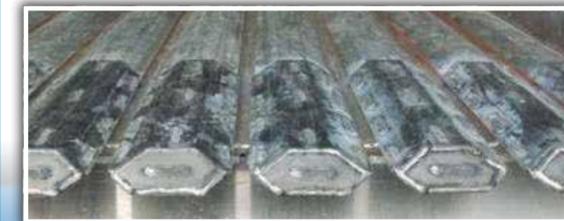
Horizontal Side Panels

# WASTE MANAGEMENT GARBAGE *recyclables*



**MORE TITAN OPTIONS**

**GALOSH FLOORING**



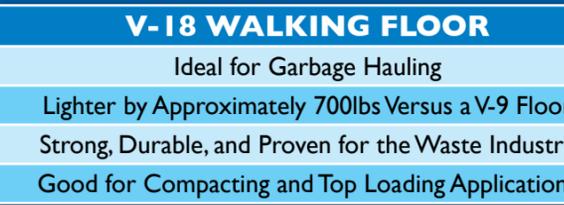
*Aluminum Flat Top V-9 Floor with 24" Aluminum Rear Slat Wear Strips*



*Aluminum Flat Top V-9 Floor with 48" Steel Rear Slat Extension*



*Steel V-9 Floor with 24" Steel Rear Slat Wear Strips*



**V-18 WALKING FLOOR**

Ideal for Garbage Hauling

Lighter by Approximately 700lbs Versus a V-9 Floor

Strong, Durable, and Proven for the Waste Industry

Good for Compacting and Top Loading Applications

*Aluminum V-18 Floor with 24" Rear Slat Wear Strips*



Fender Filler

Titan Aluminum Full Fender

Tire Air Inflation System

Tire Carrier Mounted Curbside or Roadside



Leak Resistant floor compatible with all Keith® V-9 Walking Floor.

**WASTE TRAILER OPTIONS**

**CLEANOUT SYSTEMS**



Super Singles

Disc Brakes



Rear Side Grab for Compactor Loading



**Full High Back Plow**

Aluminum construction with replaceable floor wipers and side wipers, profiled to fit the inside width and height of trailer configurations, walks with the load during unloading, winch return, Suitable for garbage, and aggregate applications.



**Half Plow with Kicker**

Aluminum construction, full width back, open base for load to rest on, walks with the load during unloading, winch return. Suitable for garbage applications.



**Keith® Clean Sweep®**

Vinyl sweep sheet, full width and height, walks out with the load, winch return. For more details check out [www.keithwalkingfloor.com](http://www.keithwalkingfloor.com)



Mud Flaps at Landing Gear

JOST Aluminum Landing Gear



Centre Grab Pin for Compactor Loading

# BUMPERS

## Stronger, Lighter and Versatile

Titan Trailers has developed a stronger and lighter bumper that is integrated into the overall aluminum design of the Walking Floor® product line. Welded structural aluminum uprights allow for various bumper designs to be bolted in place which creates a more versatile rear structure with easily replaceable bumper insert assemblies.

### HEAVY DUTY ALUMINUM BUMPER



Aluminum offset push bumper with aluminum vertical push blocks and tow shackles.



Aluminum offset push bumper with steel vertical push blocks, narrow HD tube with centre ring style pull cable.



Aluminum offset push bumper with steel vertical blocks, tow shackles, full width bumper tube.

### LIGHT DUTY ALUMINUM BUMPER



Narrow aluminum flush mount, rubber tipper bumper with T-blocks and D-ring style tow hooks.



Aluminum offset bumper with filler plates and stainless steel cover with grippers and D-ring style tow hooks.



Aluminum full width bumper with shedders

### STEEL BUMPERS



Steel offset push bumper, wide with underride. Full width steel shedder pan with tow hooks.



Steel offset push bumper, wide, with underride, pull cable ready.



Steel flush mount with underride and stainless steel clad rubber blocks.

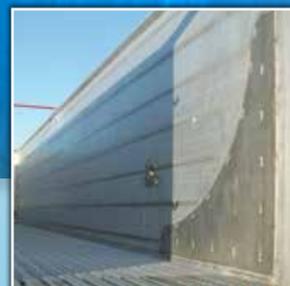
# WEAR SHEETS

## Sidewall Interior at Rear of Trailer

- Interior wear sheets are placed in the rear of the trailer to help reduce wear and tear in locations that receive the most abuse
- Provide additional protection for the sidewall from impacts during compactor and top loading



Full Height Wear Sheet



Boomerang Wear Sheet

# REAR DOORS

## Custom Structural Designs

Each door is custom designed and manufactured utilizing the TITAN THINWALL® panel. We have a full line of extruded aluminum door profiles and hinges to suit any trailer application.

### Van Doors - Manually Released

TITAN van doors are simple and light weight. They come with 4 galvanized lock rods and standard greasable hinges.

- Optional cathedral 4" & 9" rise
- Optional grain sample door
- Optional manual or air operated secondary paddle lock systems
- Optional stainless steel lock rods



### Side Swing Doors

TITAN side swing doors come with greasable heavy duty hinges and extruded door perimeters. Side swing doors can be operated either by air release or manual release. The lights and door seal are incorporated into the door so that when the door is open the load coming out of the trailer does not damage these components.

- An optional inner airflow door within the side swing door can be added to reduce wind resistance when traveling empty, improving fuel economy



### Compactor Side Swing Door

Doors come standard with greasable hinges, manual release and single heavy duty TITAN lock rod. Each compactor door is designed to suit each compactor configuration. For compactor application, TITAN installs a heavy duty rear post to handle stresses during the compacting process.

- Optional rear door shedder
- Optional removable mud flaps or hooked mud flaps
- Standard rubber flap to help seal the bottom compactor door and outer main door. Optional aluminum seal available



### Top-Hinged Over Slung Hydraulic Door on Open Top Trailer

Door is self locking and unlocking. Can be operated from a remote in the cab, providing maximum driver safety on-site. Over slung door allows great clearance height for unloading and no rear header to impede the load as material is walking out. Seal & lights are in the door so they are protected during unloading. Cylinders are high and inline with sidewall to stay clear from the load.



# ROOFS

## Roofs Designed for Every Application

TITAN designs and manufactures all roofs utilizing extruded aluminum profiles.

### Open Top Trailer



- Open top trailers are designed with extruded tapered top rails to minimize build up of material during loading.



- Extreme duty tapered top rails provide structure to minimize the number of top crossmembers required in the trailer.

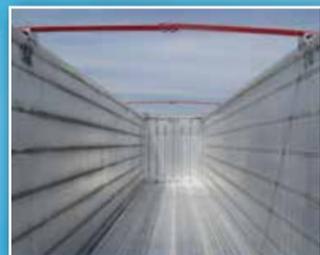
### Closed Top Trailer



Closed top trailers feature a two-section roof. Front half consists of a lighter extruded panel profile. The rear half consists of a heavier extruded panel profile.



## TOP CROSS MEMBERS



2 Piece Spring Steel Crossmember



4" Diameter Arched Steel Crossmember - 4" or 9" Rise Available



4" Diameter Straight Steel Crossmember



Removable Arched Aluminum Tarp Bows

\*Other top cross members available upon request

### Open Top Trailer with Mesh Flip Roof



Mesh split flip roofs are hydraulically operated using front mount slew drive gear boxes. The mesh is a light weight roof option for containing the load.



- Controls can be mounted on front wall or on catwalk

### Open Top Trailer with Versitex (Composite) Split Flip Roof



The Versitex split flip roofs are hydraulically operated using front mount slew drive gear boxes. Roofs are hinged at the sidewall using greasable heavy duty hinges. This is an excellent alternative to tarps & mesh roofs for open top trailers in terms of durability. They are comprised of a lightweight aluminum frame and Versitex composite sheet.

- Provides a leak resistant roof to minimize additional water weight in load

- Safer and easier to use, no need for driver to tarp and un-tarp trailer
- Controls can be mounted on front wall or on catwalk
- One top crossmember required

### Compactor Open Top Trailer with Compactor Flip Roof



The compactor flip roofs are hydraulically operated using front mount slew drive gear boxes. Roofs are hinged at the sidewall using greasable heavy duty hinges. This allows the trailer to operate as an open or closed top trailer, providing versatility.



With this flip roof the trailer can be compact or top loaded. This allows the trailer to backhaul, and carry materials other than waste.

**Titan worldwide  
production and  
service facilities**

TITAN TRAILERS is the world's leading manufacturer of lightweight, high capacity aluminum trailers for heavy-duty applications



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