

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



# THINWALL™ UNIBODY HOPPER

*Strength Through Innovation*

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



# 3 good reasons to make your next hopper trailer a Titan:

- 1 **Aluminum**
- 2 **THINWALL™**
- 3 **Unibody**

Only Titan can give you the lightweight strength of aluminum THINWALL construction.

And only Titan offers the added capacity and versatility of Unibody hopper design.

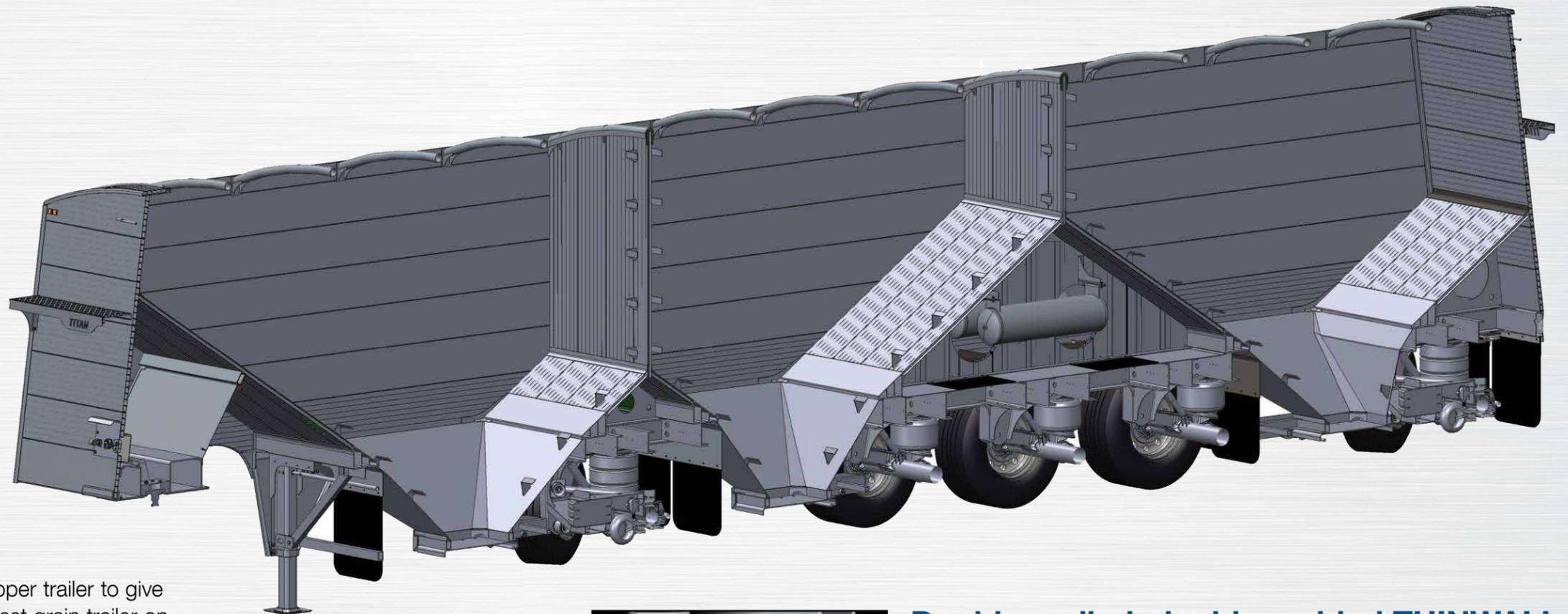
Titan THINWALL 100% welded extruded aluminum trailer bodies have been helping all kinds of truckers carry bigger loads for less cost since 1996.

Now, thanks to THINWALL, Titan has reinvented the hopper trailer to give farmers and bulk commodity haulers the lightest, strongest grain trailer on or off the road today.

## All aluminum Unibody construction

Titan designers set out to get the most possible weight out of a hopper trailer without sacrificing strength and durability. The result was a unique "Unibody" design combining THINWALL panels with more all aluminum underbody components:

- Aluminum slopes, side walls and arched top members welded together into one unit
- Aluminum 5<sup>th</sup> wheel coupler
- Aluminum landing gear
- Aluminum catwalks and doors



## Double-walled, double-welded THINWALL

Year after year, the original THINWALL trailer keeps proving it will out-haul and outlast conventional bulk trailers of all types.

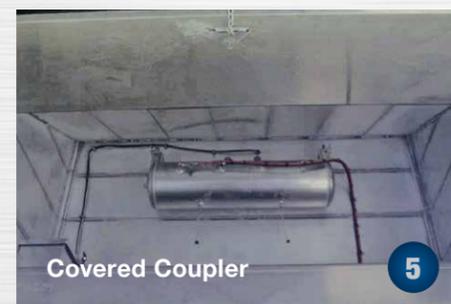
Titan invented the aluminum smoothside trailer and only Titan can give you the patented THINWALL body construction.

- Interlocking double-wall cross section
- Long-wearing 6061-T6 aluminum alloy
- Exclusive double-welded rivet-free assembly, end to end, inside and out
- Resilient horizontal construction
- Allows air & electrical lines to be safely routed within THINWALL cavities



# Take a new look at hopper trailers from Titan!

- 1** **Arched top cross-members** eliminate the cost and weight of extra tarp bows; less obstruction to loading
- 2** **Six inches lower sidewall height** from previous model for improved hopper visibility, easier loading and improved highway fuel efficiency
- 3** **Multiple hopper compartments** with full-height vented divider walls carry mixed loads and backhauls
- 4** **Two speed aluminum landing gear** reduces weight, eliminates steel-to-aluminum connections
- 5** **Shielded aluminum coupler** eliminates dirt and salt buildup and is useable for utility storage
- 6** **Aluminum air tanks** and valves located up in triangle and sealed off from environment
- 7** **Rounded top rail** with integrated latch plate for longer tarp wear
- 8** **Perfectly smooth, rivet free** lower hoppers for superior cleanout
- 9** **100% welded**, all aluminum, rivet free, unibody construction
- 10** **SPIF-compliant Paramax steering axles** increase tire life and improves ground clearance
- 11** **See through grated catwalks** front and rear, provide superior grip with minimal material buildup
- 12** **Interior venting** through THINWALL dividers prevents frost, snow or condensation; no need to untarp for discharge
- 13** **Non-riveted smooth THINWALL slopes** can be set to any angle to match crop or product requirements
- 14** **Closed body design** eliminates debris build-up in the coupler and under the slope area
- 15** **100% stainless steel** hardware including hopper door cross shafts and rack & pinion gears



# Unibody THINWALL Hopper B-Trains

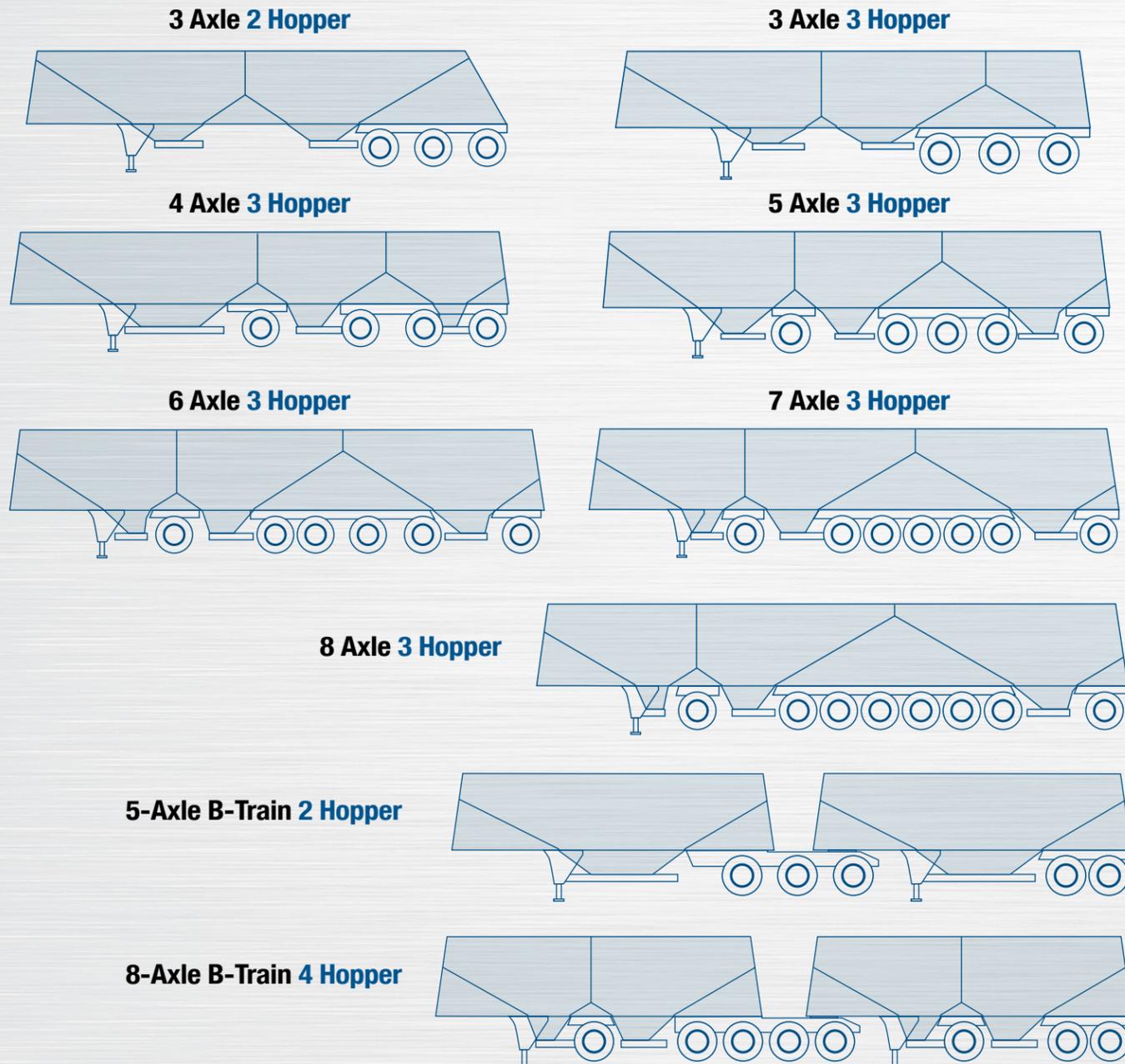
The lead units and pups for Unibody B-Train hopper trailers are each built with the same strong-but-light THINWALL design.

- 1 All-aluminum frames, couplers and landing gear
- 2 Optimal weight distribution front to back
- 3 Aluminum no-lube 5th wheel reduces time for service checks and weight
- 4 Wide choice of fender options available
- 5 100% welded, all aluminum, THINWALL Unibody construction provides an industry leading strength to weight ratio
- 6 Smooth-sided THINWALL panels allow aerodynamic design for a smooth-pulling ride, empty or full
- 7 Clean undercarriage design minimizes buildups of snow and mud
- 8 Optional ground clearance heights can be matched to requirements for augers and chute socks
- 9 A rivet free, perfectly smooth interior, provides superior cleanout
- 10 Standard on all Titan hoppers are 30,000 lb. suspensions with Pro-Par Parallel axle spindles



# Custom-built for your roads, your loads

Titan custom builds every Unibody Hopper with the axle arrangement you require for the states and provinces you travel.



## Tailor your Titan to suit your personal preference and application.

Our complete range of optional lighting kits includes back-up lights and interior lights for working at night. Also select from various styles of catwalks placed where you need them for convenience and safety. Also ask us about having your company logo on your next Titan trailer.



Roll-Rite® electric doors



Disc brakes



Exterior light package



Exterior solid catwalk



Hydraulic flip-up safety railing



Interior lighting package



Interior grated catwalk



Lower hopper vibrators for fast, clean discharge



One-piece mud flap in front of landing gear



Roll-Rite® electric tarp



Interior grated catwalk



Super singles



Tire air inflation system



Tow hooks

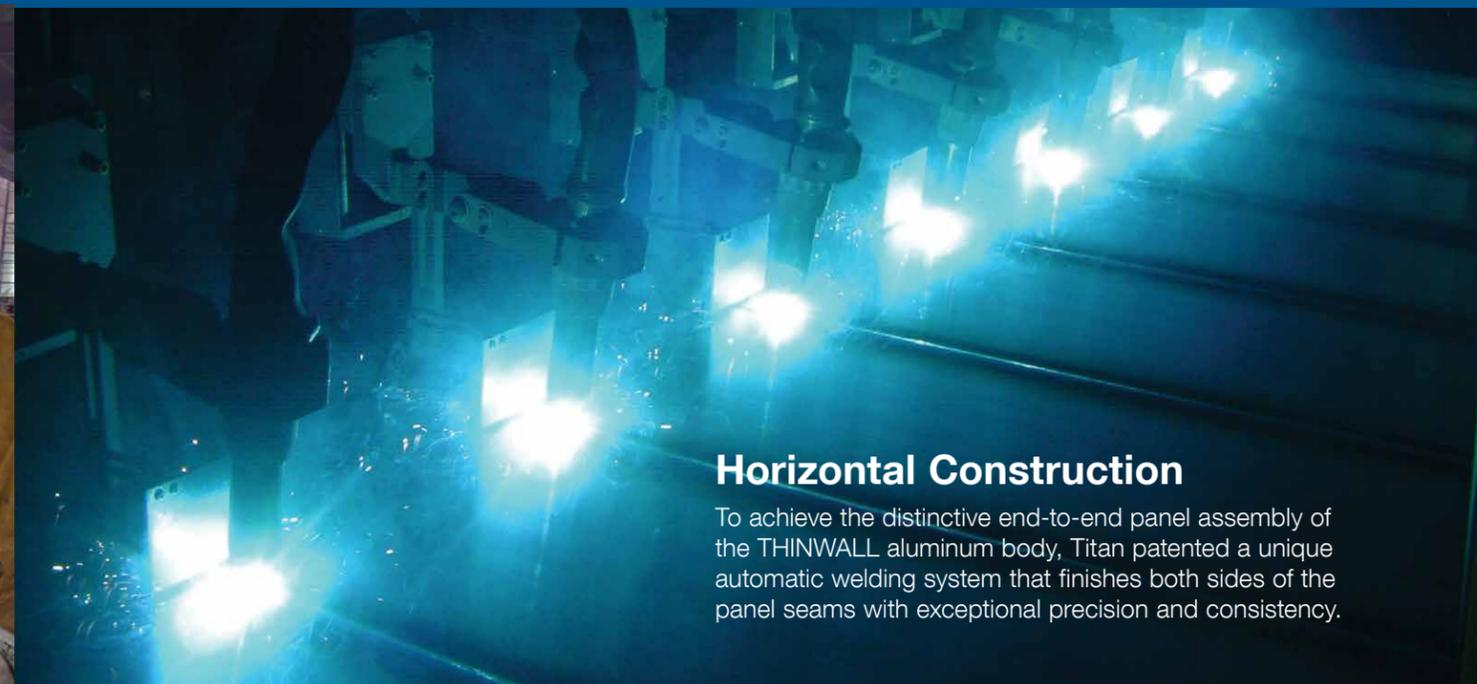


55° Upper slope kickups

**If you don't see it, talk to us. We're always listening.**

# Strength Through Innovation

Titan Trailers built our name on our power to innovate. We specialize in custom solutions for both products we build and how we build them. These pages show just a few of the new ideas Titan has developed to give customers the best-built trailers for their needs, at the best price for their business.



## Horizontal Construction

To achieve the distinctive end-to-end panel assembly of the THINWALL aluminum body, Titan patented a unique automatic welding system that finishes both sides of the panel seams with exceptional precision and consistency.



## Titan Paramax Axles

Titan Paramax high-lift steer/non-steer axles with 10" of lift are standard equipment on all Titan Unibody Hopper Trailers. Paramax liftable axles keep all the axles on the road through turns; 10" lift improves ground clearance for off-road safety; parallel suspension design allows kingpins to stay vertical through suspension travel to increase tire life.



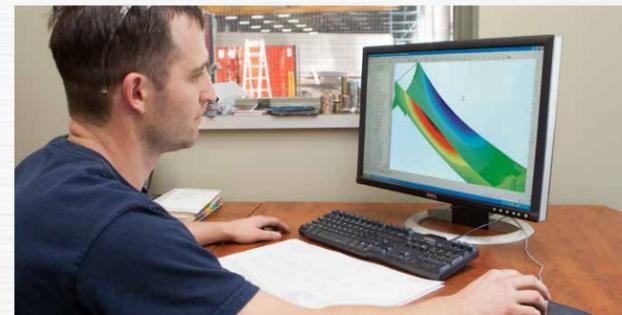
## Arched Top Members

Available with 4" or 9" rise to support tarps without adding tarp bows. Spacing ensures maximum visibility and accessibility to hopper for top-loading.



## Standard Height or High Ground Clearance Hoppers

Flexible Titan engineering lets you specify ground clearance you need for safe travel off-road and for mounting a swing auger or chute socks.



## Efficient Engineering

Titan engineers and design technology keep in close touch with our production team and suppliers to develop and apply custom solutions quickly.



## Precision Cutting

Titan cuts, machines, forms and welds all of its own components in-house to ensure consistent quality standards throughout the custom-building process.



## Robotic Welding

With new robotic technology, Titan executes complex welding tasks efficiently, to deliver custom-built trailers with competitive costs.

# Long life. Maximum payloads. And the trust of our customers.

## Titan's core values are rooted in agriculture.

Titan Trailers began with Ontario's first steel hopper trailers, hand-built on the family farm to meet local needs for hauling corn, beans and other bulk farm goods. The lessons learned in minimizing trailer weights for farm loads, while standing up to the stresses of both off-road and on-road, led Titan to its breakthrough innovation. The extruded **aluminum THINWALL™ body** has become the worldwide standard for efficiency and durability in heavy duty and extreme-duty bulk trailers.

Titan's full range of trailers is renowned for long lasting strength in the toughest jobs for the most demanding applications:

- THINWALL moving floor trailers, tippers and hopper trailers
- Semi-dumps and possum bellies
- "Extreme-duty" models for scrap, forestry and waste applications

Titan is the world's leading innovator in aluminum body trailers, with satisfied customers in Canada and the United States, in the UK and Europe, and now growing in Australia. We partner exclusively with KEITH® WALKING FLOOR® to develop and deliver the world's best mobile moving floor systems. But our real strength is custom-designing and building the right trailer to help *your* business drive for the bottom line.

Today's Unibody Hopper aims for the same high standards, now setting the bar even higher for agricultural and bulk material hauling throughout North America and around the world.



**5 YEAR sidewall warranty available for grain applications and similar materials. Ask your Titan dealer for details.**



1129 Hwy #3, R.R. #3 Delhi, Ontario, Canada N4B 2W6  
Tel: 519-688-4826 Fax: 519-688-6453 e-mail: info@titantrailers.com



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