



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

Only THINWALL offers the proven strength of double-welded, double-walled aluminum. Titan's exclusive patented processes and original designs produce today's most advanced smoothside trailer body for long life and efficient performance.



DOUBLE-WALL CROSS-SECTION

The THINWALL panel is a hollow-core extrusion that achieves high strength with light weight similar to the way that corrugation turns paper into a high-strength board. The inner wall is thicker than the outer wall to absorb load impacts and to prevent interior damage from penetrating to the outside. The aluminum web between the walls is integral to the extrusion, with no mechanical joining.



DOUBLE-WELDED ASSEMBLY

Titan patented an exclusive process that overcomes the challenges of machine welding very long aluminum panels. Titan completes the welding for one side of an entire THINWALL assembly – up to 53 feet long - in a single automated pass. Then we repeat the process on the other side. The result is highly consistent, 100% machine-welded seams inside and out. There is simply no stronger way to assemble an aluminum trailer body.



HORIZONTAL CONSTRUCTION

Extruded panels are easier to assemble when they stand upright, but Titan's horizontal interlocking panels gain extra strength and stability much like the walls of a log cabin. The end-to-end seams withstand flexing stresses better when the trailer rolls and twists over rough terrain. A horizontal structure also eliminates welding seams at stress points on multi-axle rigs.



HEAVY-DUTY ALUMINUM

6061 T6 aluminum alloy is used to produce the THINWALL extruded panels, it was selected for its structural strength and toughness.



THINWALL FLOORS

The success of the THINWALL side panel led to Titan's application of the same technology to create a high-strength low-weight floor panels for aluminum tipper trailers and semi-dumps. Naturally, THINWALL floors use a heavier grade extrusion than sidewalls require, but their end-to-end strength and long-wearing durability deliver on all the advantages our customers have come to expect from THINWALL.



THINWALL ROLLED PANELS

To build the world's first hollow-core aluminum tub dump, Titan developed another original manufacturing process to roll standard THINWALL panels into the distinctive profile required for tub assembly. This unique body construction provides aggregate haulers with increased load capacity, improved visibility and a lower centre of gravity for maximum stability on the road and when unloading.



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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



► USE LESS FUEL

- save on overall running cost with fuel-efficient design and low maintenance
- smoothside panels mean less aerodynamic drag
- minimize tare weight: hollow-core aluminum THINWALL, solid aluminum wear plate
- THINWALL rigidity provides excellent tracking for improved efficiency



► CARRY MORE PAYLOAD

- maximize your capacity with every load • lightweight hollowcore aluminum for lower tare
- 98.5" wide clear space inside on North American trailers for increased cubic capacity
- custom built for your roads and applications



► MORE YEARS, MORE MILES

- 100% end-to-end machine-welded for maximum durability • extrusion-grade aluminum alloy resists wear
- double-wall panels prevent loads from damaging the exterior • corrosion-free body, undercarriage and fasteners
- maximize life cycle for lower cost per year + higher resale



► THE BOTTOM LINE

Innovative Titan design and relentless Titan quality help your business to:

- **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

