

REAL Torque

October 2020

Contact maintenance for any questions on 0800 80 80 69

Tipper

A tip truck and trailer has a bathtub type, open top body that can tip using hydraulics to offload the product.

They are used for carting everything from gravel, to soil, stock feed, and wood chip – certain tippers are even used to carry grapes and other food products where they must be sealed and watertight.

In our fleet, our tippers are constructed from mainly two types of material:

Aluminium

Steel

Steel is ideal for carrying materials that are more abrasive (such as asphalt, gravel, and concrete) as it offers more protection than aluminium against potential damage. Hardox steel is also a material used and is super strong with good wear resistance properties.



Aluminium is a great choice when carrying non-abrasive materials because of its lighter weight. It offers a greater payload capacity, as well as more protection from corrosion. On the flip side, aluminium is more expensive and its repair costs are greater than steel.

Each type of material and construction method has its benefits.

Traditional rectangle, square box type.

This style of steel body tipper is robust and versatile for carrying aggregate, sand, fertiliser, garden mulch, hot mix, and machinery. The shape is popular within industry and offers strength and agility. These vehicles have a lower centre of gravity, with options to spread the load, along with swinging the rear two-way tail gate open to remove a larger type of product.



Flat deck, drop side tipper.

Fitted with removal alloy side panels, versatile for tipping product and carrying loads such as palletised product, timber, large bales, machinery, and general freight.



Half-round, semi-elliptical style.

Can handle impact better than the rectangular version because the steel is shaped into a semicircle. As it does not require cross-members for support, it offers a lighter total weight and greater payload capacity. The shape also makes it more difficult for material to stick to the floor, allowing for a cleaner dump cycle. However, the half-round has limitations when it comes to hauling equipment or pallets in the bed.



Aluminium bulky.

These higher cube units are designed for versatility and are constructed from lightweight material. They are used to carry bulk products and large payloads under high productivity. For example; woodchip, stock feed, fertiliser, grapes, offal, and aggregate.



Being hydraulic powered, tippers require a bit more attention than your normal trailer. Always ensure that when connecting to a truck, the hydraulic connections are clean and free from dirt/debris and not damaged. Never leave hydraulic connections lying on the ground.



Safety



For those tippers fitted with a two-way tailgate, always ensure to check that the locking pin is secure, and in place before moving off.

Tips and Tricks

- ▶ Hydraulic lines: electrical plugs must be kept clean.
- ▶ Lighting: keep rear covers clean and repair damage done to lens.
- ▶ Safety: ensure reverse lighting and backing buzzers are working.
- ▶ Do not work on loaded bin body if up in air! You **MUST** always use a safety prop.
- ▶ Always check that the tail gate lock pins are fitted and trips are secured.
- ▶ When going off road or in rough condition, check that the mudflaps are secured and raised.
- ▶ On a tip truck, a flexible rubber mudflap is recommended to protect the rear towing connection, this eliminates product falling in this area causing further maintenance.
- ▶ On a tip trailer, wrapping the hydraulic hose in a steel spiral wrap offers robust protection from the harsh working environment.

TR Tips



NEVER work under a unsupported deck, unloaded or loaded.
Always use rated deck props.

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