

5 x 8 Swing Wing Widening Low Loader

Drawing reference: 29-A001W

Forward Length	12.2m closed
Rear Overhang	3.6m
Deck Length	12.6m including beavertail. 11.1m behind neck closed,
Width	2.5m closed, 4.2m open
Axle Spacing	1.25m
Deck Height	Travel height 950mm on 215 75 R17.5 tyres. (Deck lowers 90mm when loading).
Suspension Stroke	200mm axle travel. Giving good ground clearance.
ATM Rating	98 tonne
Tare	21,000 kg approx.
Gooseneck	Wear strap fitted to front face of Chassis rails. Gooseneck design is as low profile as possible whilst maintaining sufficient clearance on the underside for your Prime mover to swing.
Compensating Gooseneck	Gooseneck fitted with TRT's hydraulic fully compensating cylinder. This is plumbed to an accumulator to allow constant weight on the drive during road mode. It is supplied with a manual handle to adjust (lift lower the front of the trailer), for deflection due to load or to achieve more ground clearance on tight cambered terrain. This Gooseneck design allows the Skid plate to move up & down depending on the terrain automatically taking all the shock & stress out of the complete combination.
King Pin	1 x 3 1/2" drop in pin supplied. Bosses take either size.
Skid Plate Height	1320mm, (or nominated height) with deflection taken into account. At full capacity of 75 tonne.
Sliding Skid Plate	Fitted with single pin sliding oscillator. For multi position. Allows for fitment to a range of equipment. Operated with air actuated lock rams.
Chassis	Fabricated double I Beam Construction. Complete trailer built from Grade 80 Steel.
Coaming Rail	6mm Grade 80 Hi Tensile Plate. This is pressed at the bottom edge with the top edge plasma cut in a radius to achieve a positive camber

of around 25mm. The coaming rail is a deep 360 mm section to reduce deflection.

Load Restraints

Chain load restraints set into coaming rail, to outside of deck area & to inside of chassis. Rated at 10 tonne each. Restraints fitted to front face of pontoons each side, plus 1 additional on side of Gooseneck outside face. Internal.

Decking

6mm AR450 wear plate at Beavertail, over axle group & running forward from front axle. This method of construction puts the strength where it's needed without increasing tare weight unnecessarily. Pressed over Beavertail (not welded). Deck plate edge will be welded to coaming forming a 6-8mm lip. Internal deck area Fully enclosed when trailer is closed.

Beaver Tail

Beaver tail angle set at 11 degrees. 2 cleats fitted either side of the beaver tail apex.

Ramps

Manufactured from grade 80 hi-tensile steel. Single fold, full Hydraulic, Plated in 8mm AR450 wear plate with cleats fitted full width, welded at 400mm centres, (note cleats are staggered to avoid grouser hung up). C/w profiled holes to reduce wind drag.

Ramp width – 900mm each x 2.8m long.

Widening

Uses 2 Double acting cylinders mounted to Gooseneck spine acting on the swing arms. Plus 1 additional pair of cylinders at rear box (built with sliding box for max overlap). Locking done via Hydraulic Counterbalance valves on all cylinders. The trailer can open to any measurement between the closed 2.5m & fully open position of 4.2m. (no mechanical locking pins, to jam). Trailer can widen on its own hydraulic power without rolling forward. However it is recommended to roll trailer forward with brakes released, if on rough seal to avoid tyre damage.

Suspension

Tidd trailing beam on Double acting Hydraulic Suspension, fitted with Hydraulic lock valves to all axles. This allows the operator to lift any individual axle (also allows you to walk the trailer up on blocks for additional height come service time). All tyres can be changed without using a jack.

Axles

10 of 17.5" BPW - 10 studded grease filled axles.

Rims

41 of 17.5 x 6.0 - 10 stud steel wheels (includes 1 spare).

Tyres

41 of 215 75R 17.5 radials. (includes 1 spare).

Spare Tyre Mount

Provision for 3 spares on Neck plus 1x 11R as per drawing. Alternatively, 4x 17.5 size can be mounted in lieu of 11R, 22.5. Spares retained by J hook, allowing them to be moved to main deck if required for any load that may foul.

Braking

To meet ADR requirements.

	TRT mount the booster chambers from a specially fabricated bracket that attaches to the suspension arm. The advantage of this design is that the booster travels with the axle reducing the need for additional linkage arms as per other designs
Lighting	LED lighting system. Multi Volt, to ADR requirements. Side markers at 2m spacing. Turn indicator at half way point.
Hydraulics	Control valve to operate deck widening, rear ramps and suspension placed in the coaming rail, just ahead of front axle. Ramp valve includes float mode to avoid damaging cylinders on uneven ground.
Greasing System	Manual greasing.
Power Pack	4.8hp Honda petrol power pack fitted to the RHS of gooseneck, Oil tank fitted to LHS.
Landing Legs	Heavy duty RHS drop down & pin type
Tool Boxes	1 of fitted inside chassis each side, between 2 nd and 3 rd axles. 1 of Toolbox fitted to outside of chassis each side, (same location).
Paint	Grit blasted, primed and painted in 2K paint system, electrostatically applied for full coverage.

Please Note: Specifications shown above for Australia, please contact us for specification for New Zealand and other countries.

Trailer Options

TRT has a wide range of standard and customisable options available for each trailer. These options are designed fit for purpose.

- Other deck lengths available, designed to suit your applications
- Power pack – either petrol or diesel
- Double fold ramps
- Auto greasing system
- Conveyor belt deck covering
- Accumulators
- Manifold greasing
- Chain trays
- Non-skid deck coating
- Widening stool (axle widening option only)
- Alloy wheels
- Water tank fitted to gooseneck
- Stainless steel load restraint protectors
- Hydraulic winch
- Weigh gauges

Design and Engineering

TRT has a full range of design and build capability. If you require a transport solution or have a specific purpose for your new trailer, TRT are able to work with you from initial sketches or specifications to create fully engineered design solutions for your payloads now and in the future.

Manufacturing

TRT design, fabricate and manufacture in house. TRT are accredited ISO 9001:2015, quality is critical to ensure your trailer will meet and in most cases exceed your requirements to minimise payback period. When you choose a trailer from TRT, it's for the long haul.



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