

7 x 8 Modular Platform Trailer

Drawing reference: 286-1003W

Forward Length	12.6m
Rear Overhang	5.2m
Deck Length	18.7m , 18.1m behind neck
Width	3350mm closed, 4880mm open
Axle Spacing	2.4m
Deck Height	865mm lowered on 215 75R 17.5 tyres.
Suspension Stroke	650mm.
GVM Rating	170 tonne off highway
Tare	34,000 kg approx. subject to options.
Modular system	The 7x8 Platform consists of 3 modules, Module 1. 3x8 Module 2. 2x8 Module 3. 2x8
Trailer configurations	Trailer 1. 3x8 Widening with ramps Trailer 2. 5x8 Widening with ramps Trailer 3. 7x8 Widening with ramps Trailer 4. Beam Transportation. 3x8 and 4x8
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 and 2x8 Dolly 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.
Dolly Neck	Neck built long enough to allow dolly hook up.

King Pin	1 x 3 1/2" drop in pin supplied. Bosses take either size.
Skid Plate Height	Set at 1300mm for 1350mm 5 th wheel height, fitted with fixed skid plate & wedge system for Fully Oscillating 5 th wheel
Chassis	Fabricated torsional box spine with sliding outer deck loading platforms. Complete trailer built from grade 80 hi-tensile steel.
Coaming Rail	10mm 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 30mm. The coaming rail is a deep 350 approx. mm section to reduce deflection. Internal doublers fitted at each wheel arch.
Load Restraints	Chain load restraints set into coaming rail and to outside of deck area. Restraints fitted to gooseneck outside face.
Decking	8mm AR 450 hi-tensile steel (plus flitches) over complete deck. This method of construction puts the strength where its needed without increasing tare weight unnecessarily. Deck plate edge will be welded to coaming forming an 8mm lip. Internal deck area fully enclosed when trailer is closed. Turn down inside edge to prevent buckling. Total cambered deck 50-70mm (yet to be determined).
Demountable ramps & beavertail	Manufactured from Grade 80 Hi-tensile steel. Single Fold, full Hydr Plated in 8mm AR450 Hi Tensile Sheeting with cleats fitted full width to outside edge welded at 400mm centres, (note cleats are staggered to allow grouser hung up. C/w Profiled Holes to reduce wind drag. Ramp width 1000mm each x 3.0m long. (Inside edge gusseted to carry light weight equipment. Demountable Module designed to fit on to the Module Connection mount plates fitted to the trailers.
Widening	Locking positions at 3.35m, 3.7m, 4m, 4.27m, 4.575m & 4.88m
Steering	All axles will be controlled through an Electronic sensed steering system. Each axle will be controlled individually by a hydraulic ram that will ratio the correct steering angle in unison with all the trailers axles. This will have predetermined variable forward lengths programmed.
Remote Control	Provided to steering axle system, lift lower of suspension and widening.
Suspension	Double Acting Hydraulic Swivel Suspension, fitted with unique European Angular contact Spherical Bearing with 650mm of stroke. Any axle group can be lifted hydraulically at the touch of a lever and locked out.
Axles	14 of 17.5" BPW, 10 stud grease filled hubs. Complete with backing plates. This axle has the best brakes available for the longest service life.
Rims	60 of 17.5 x 6.0 10 stud steel wheels (includes 4 spares).

Tyres	60 of 215 75R 17.5 radials. (includes 4 spares).
Spare Tyre Mount	Provision for 4 (double stacked) spares, I.E. 8 of on neck plus 1 11R spares retained by J hook, allowing them to be moved to main deck if reqd. Provision at load restraint each corner of main deck at front to move tyres too if required.
Braking	To meet NZ heavy brake regulations.
Lighting	LED lighting system. Multi volt.
Hydraulics	Control valve to operate deck widening & suspension placed in a self-contained control box fitted RHS front of deck. All valves plumbed to power pack.
Power Pack	1 power pack fitted to gooseneck of 3 axle module and one power pack fitted to the 4 axle Module. Water cooled diesel power pack c/w return line filtration/filler breather. Power pack covered in & noise level considered.
Auto Greasing	Supplied and fitted to suspension, axles, gooseneck, using Bekamax EP2 grease system. Installed by TRT during trailer assembly to ensure no chaffing of grease lines. Grease pump mounted to front of gooseneck face accessible from ground.
Landing Legs	Heavy duty RHS drop down & pin type, supplied with lifting Handle at gooseneck area.
Tow Lug	50mm fitted at rear for use by pusher truck.
Tool Boxes	Supply 1 toolbox per side to 3 axle module. Area within gooseneck beams to store twitches and/or chains
Paint	Grit blasted, primed and painted in 2K paint system, electrostatically applied for full coverage.
Mounting Plate Provision	Special heavy duty connection mounting plate provided at the rear of axle 3, Front of axle 4 and behind axle 7. This allows for multiple module additions and future beaver tail and ramp connection. All connection plates are supplied with full services, hydraulic, air and electrical.

Please Note: Specifications shown above for New Zealand, please contact us for specification for Australia 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
- Fire Extinguishers:
 - Conveyor belt deck covering
 - Accumulators
 - Chain trays
 - Non-skid deck coating
 - Alloy wheels
 - Water tank fitted to gooseneck
- Stainless steel load restraint protectors
- Hydraulic winch
- Bolsters - Semi Oscillating Bolster arrangement supplied to Front and rear trailer bolted to the Platform deck. Complete with sufficient load restraints. Trailer deck supplied with additional mounting positions.

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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