

5 x 8 Swing Wing Widening Low Loader with Drop Well

Drawing Reference: 413-001

Forward Length	12.3m closed, (Rear pin. Add 1100mm to full open).
Rear Overhang	3.7m
Deck Length	13.3m including beavertail.
Width	2.49m Closed, 4.19m Open
Deck Height	Travel height 960mm on 215 75 R17.5 tyres. (Deck lowers 90mm when loading).
Drop Well Height	225mm deep
ATM Rating	120 tonne
Tare	21,000 kg approx. With Comp G/Neck (subject to options)
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.
Dolly Neck	2 King Pin Bosses fitted to allow dolly hook up
Skid Plate Height	1320mm built with Sliding oscillator plate to suit Prime Mover and dolly position. Air locked.
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 30mm. The coaming rail is a deep 360 mm section to reduce deflection.

Load Restraints	Rated 10t. 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. Turn down inside edge to prevent buckling. 8mm decking plate in Drop Well slope area, approx. 1m either side of the apex Top & Bottom
Beaver Tail	Beaver tail angle set at 11 degrees. 2 cleats fitted either side of the beaver tail apex. Cleats up angled portion
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 2 at rear box (built with sliding box for max overlap). Locking done via Hydraulic Counterbalance valves on all cylinders. Note this system allows the trailer to be opened to any measurement between the closed 2.5m & fully open position of 4.6m. Plus the added benefit of having no pins to jam. Trailer can widen without having to drive forward.
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" TMC, 10 stud grease filled hubs
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. Spares retained by J hook, allowing them to be moved to main deck if required for any load that may foul.
Braking	Full Air to meet ADR regulations
Lighting	LED lighting system.

	Multi volt to ADR requirements. Side markers at 2m spacing. Turn indicator at half way point. 1x Beacon fitted in Ramp RHS, (Switch from side lights.
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.
Power Pack	All valves plumbed to 4.8hp Yanmar diesel power pack
Grease System	Manual
Landing Legs	Heavy duty RHS drop down & pin type, supplied with lifting handle. Built from 100 x 100 x 9mm wall RHS to increase load bearing.
Water Tank	1 of supplied c/w hand wash container provision
Container Provision	Twist lock plates provided in deck for 40' container at 2.5m wide and at 3.5m wide. Complete with pedestal for beavertail.
Tool Boxes	2 of fitted each side in each pontoon. Total of 4. Plus 2 additional doors fitted to centre spine to allow for 2 more toolboxes accessible when the trailer is widened.
Paint	2K (2 pack) using Electrostatic application to reach those difficult to cover areas. All steelwork is grit blasted to a 50 micron profile prior to Painting. 1 colour quoted, for multiple colours or metallic paint please ask for pricing
Trailer Registration	Not Included. The trailer will be supplied with the necessary compliance plate and documentation ready for registration. This is the responsibility of the purchaser.

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2x8 Widening Dolly option not included in pricing. Pricing and delivery available on request.



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