

# Terrain Master Limited

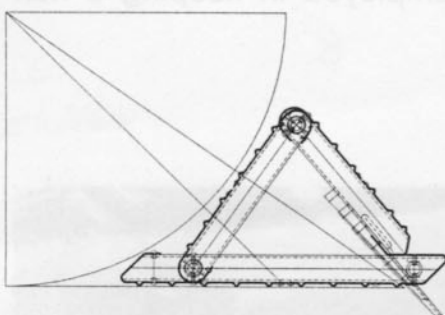
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Off-road, Protection, Recovery  
& Expedition Equipment.

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## ChockTrak - Data Sheet

The Terrain Master, Patented, ChockTrak is a unique device, developed to help in a variety of off-road situations. It has been designed and manufactured by a Company with a track record for quality volume manufacture and extensively tested at the David Bowyer off-road centre.



ChockTraks are designed in such a way to be compact in storage and transportation, yet open out in three different ways to make them multi-purpose. They are built from high quality aluminium extrusions with stainless steel hardware, zinc plated ground blades and self lubricating bushes. The diagram illustrates how the wheel and winching forces are contained within the structure. ChockTraks take up very little space inside the vehicle, compared to conventional fixed element chocks or sand ladders.

ChockTraks have three main functions.

As a wheel chock for winching and general recovery.



The adjustable ground blade may be set to suit the particular ground conditions. David Bowyer has winch tested this device up to an 11,000 lbs. winch load.

ChockTraks are also used as a general chock for trailers, caravans and boats and for jacking almost any vehicle. An assessment of the hardness of the terrain will determine the amount of ground blade to project. Maximum for sand and mud and minimum for hard surfaces. The blade is adjusted by removing the two Allen bolts on each one and repositioning the blade to suit. A suitable key is provided for this purpose.

A ChockTrak is placed in front of the leading wheels when winching and against the wheels most likely to move when jacking, this is usually inside the pair of wheels that are not to be raised. They operate with the blade facing away from the wheel in the direction of the load with the wheel sitting on the extended base section.

As the forces increase the blades will engage with the ground and anchor the vehicle.

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As a support for High Lift Jacking operations on uneven or soft ground.



One of each pair of ChockTraks incorporates a cut out in the ground blades and side guides in which the base of a standard Hi-lift jack can nestle so reducing the chance of the jack sinking or slipping sideways because in the increased area of contact with the ground.

Take care in positioning the modified ChockTrak directly below the jack load and adjust the position if the jack moves out of vertical when the load is applied.

The second ChockTrak should be employed in keeping a non jacked wheel from rolling.

As a general purpose terrain ladder.

This has been extensively tested on mud, sand and light snow and found to greatly improve the chances of vehicle recovery. A pair of ChockTraks can be used under both wheels of one axle or on different axles depending on the problem. 2 pairs make recovery even more certain. Bear in mind that on sand or loose stones every revolution of a stuck wheel make the situation worse. Far better to use your ChockTraks before you are completely dug in.



Place an opened out ChockTrak in front of each wheel which is stuck with the ribs uppermost. Push the device as far under the wheel as possible using your feet. As the wheel spins and gains grip the ChockTrak will be drawn underneath until the vehicle moves. Do not use excessive wheel spin as this merely wears the tyres and make sure there are no personal nearby in case the device is thrown out at the rear of the tyre

## Go Safely

As with all equipment used in difficult conditions, the safety aspect of what you do depends very much on how you do it. The same applies to ChockTraks, even after extensive field testing. This device should never be used in a situation where its failure to perform could threaten life or cause injury. Used carefully it will provide a new solution to many recovery requirements. Use without thought for the consequences may lead to disaster.

ChockTraks are just one of a whole range of innovative off-road, protection and expedition equipment designed and sold by Terrain Master Limited.