



CLARK TRACKS

Clark Tracks offer world leading track technology for forest machines with track models suitable for all machine types and sizes and all ground conditions. Clark Tracks are manufactured from special boron alloy steel by advanced manufacturing processes to ensure superior quality.

CLARK TRACKS • A GUNNEBO INDUSTRIES COMPANY

Specifying Tracks

When specifying and ordering tracks we require to know the following information to ensure we supply the correct track for your machine...

MACHINE MAKE & MODEL • TYRE SIZE • TYRE MAKE • TREAD PATTERN • GROUND CONDITIONS

i.e. soft or steep slopes etc

Track Selection Guide

In order to make track selection easier, we have developed a star rating based upon traction and flotation performance relative to other tracks in our range.

★ ★ ★ ★ ★ TRACTION
★ ★ ★ ★ ★ FLOTATION

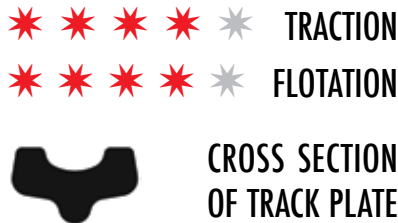
'Lite' System Tracks

CLARK TRACKS

This system features side mounted joining links which are positioned at approximately the same level as the tyre surface providing a smoother running track which absorbs much less machine driving power. The track is held onto the tyres by a system of side paws which also offer tyre side wall protection. These features combine to offer a range of tracks which are both kind to the forest floor and forest roads whilst offering excellent grip, traction and flotation.

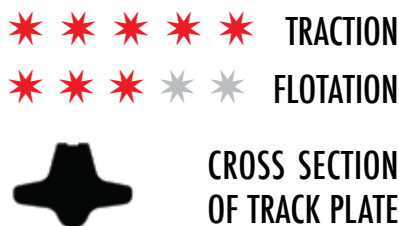
Terra 'Lite'

Terra Lite tracks feature a unique double grouzer track plate offering exceptional grip and traction in most ground conditions, which combined with the 'lite' link system offer a high performance track with smooth running and minimal ground disturbance. Designed for use on most types and sizes of forest machines.



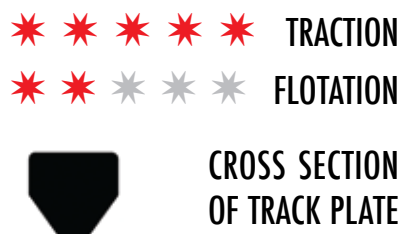
Grouzer 'Lite'

Grouzer Lite tracks feature a single centre grouzer bar offering exceptional traction and self cleaning. Combined with the 'lite' link system, these tracks offer high performance and minimal ground disturbance.



Rocky 'Lite'

Rocky Lite tracks feature a wide spaced square section track plate design for superior grip and traction for large machines working on demanding steep and rocky conditions.



'F' Series Flotation 'Lite'

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'F' Series (Side-Link System) Flotation tracks provide excellent traction whilst reducing machine ground pressure by approximately 50%. Available in two track thickness weights: F15 (15mm) and F10 (10mm), these tracks are available in a wide range of sizes for use on most forest machines, large and small.

★ ★ ★ ★ ★ TRACTION
★ ★ ★ ★ ★ FLOTATION



CROSS SECTION
OF TRACK PLATE



Super Flotation 'Lite'

Super Flotation 'Lite', a further development of the 'F' Series track, is designed for use on large forest machines working in soft ground conditions. The track extends out over either side of the tyre offering increased overall track width, greatly reducing machine ground pressure whilst still providing excellent traction. NB These tracks are not recommended for use in heavy snow conditions.

★ ★ ★ ★ ★ TRACTION
★ ★ ★ ★ ★ FLOTATION



CROSS SECTION
OF TRACK PLATE



Terra-X 'Lite'

An advanced flotation track designed for use on large forest machines, Terra-X offers excellent flotation combined with minimal ground damage. Manufactured from special profile boron steel these tracks can be offered with extended side width for additional flotation and with one or more anti-skid spikes for greater traction. NB These tracks are not recommended for use in heavy snow conditions.

★ ★ ★ ★ ★ TRACTION
★ ★ ★ ★ ★ FLOTATION



CROSS SECTION
OF TRACK PLATE



Terra-X-Combi 'Lite'

Combining the advanced features of the Terra-X Lite track with the performance proven design of the Terra lite track, this combination track offers excellent flotation for larger machines whilst offering improved traction and climbing ability. The wider space between track plates also provides improved cleaning when used in sticky mud conditions. NB These tracks are not recommended for use in heavy snow conditions.

★ ★ ★ ★ ★ TRACTION
★ ★ ★ ★ ★ FLOTATION



CROSS SECTION
OF TRACK PLATE



Side Link Tracks

Standard Side Link Tracks have the link system placed to each side of the tyre approximately 80mm down from the tyre surface. These tracks are available in Flotation, Rocky Ground and Combination types.



'F' Series Flotation

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Rocky Ground

'R' Series (side-link system) Rocky Ground Tracks are designed for use on larger forest machines in demanding, rough and rocky terrain, providing excellent grip and traction.



Combination

'R/F' Series Combination Tracks are designed for use on larger forest machines providing excellent traction combined with good flotation and low ground pressure.



Single Wheel Grip Tracks

Designed for ultimate traction on large diameter single wheels. Wheel grip tracks are ideal for use on six wheel drive harvesters operating on steep ground conditions and on large skidder tractors. Normally fitted with the 3-2-3 multi grip stud option, wheel grip tracks offer a high traction alternative to tyre chains.



Track Joining Links

Available in 18mm, 24mm and 28mm diameter sizes, Clark Track Joining Links are designed for ease of use. Forged from heat treated boron alloy steel for maximum hardness and strength, these links offer smooth, tyre-friendly profiles. Links combine bolt head locking, for single spanner tightening, with a tapered locking tongue design.

Part Number	Pin Diameter	Pin Centre
JL-18-95	18mm	95mm
JL-18-160	18mm	160mm
JL-24-95	24mm	95mm
JL-24-160	24mm	160mm
JL-28-105	28mm	105mm
JL-28-160	28mm	160mm



Track Repair Links



Forged links and track plate end links are available in a range of sizes for the repair of all types and sizes of tracks. Manufactured from heat treated boron alloy steel for ease of welding whilst combining strength with hardness.

Long Forged Link

Short Forged Link

Track Plate End Link

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Multi Grip Studs

Multi-Stud is a track option feature which can be offered at the time of manufacture. One stud is normally welded to each track plate, as standard, with the function of preventing lateral side slip of tracks when traversing slopes. However, with multiple studs welded to tracks, the overall traction, grip and hill climbing performance can be greatly increased. Studs are available in a range of sizes and almost any stud pattern can be offered. Multi stud should be specified at the time of ordering.

Standard

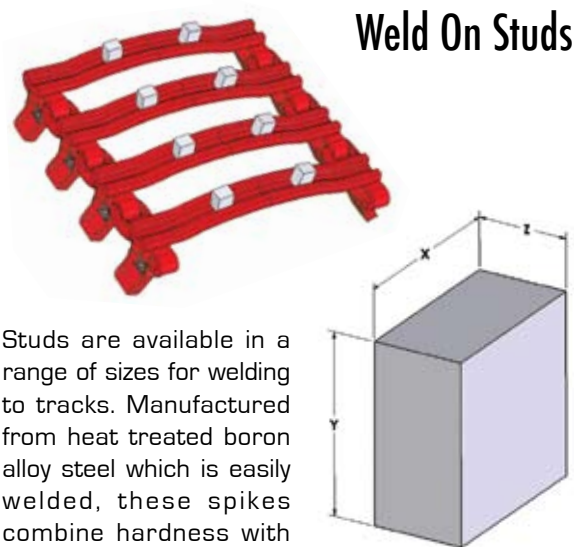
2+2

2+3+2

3+4+3



Studs are available in a range of sizes and almost any stud pattern can be offered. Multi stud should be specified at the time of ordering.



Weld On Studs

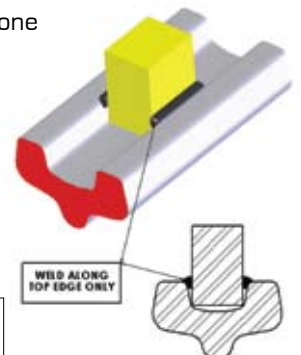
Stud Dimensions

X	Y	Z
50mm	40mm	17mm
50mm	50mm	17mm
50mm	40mm	20mm
50mm	50mm	20mm
50mm	40mm	25mm
50mm	50mm	25mm
50mm	60mm	25mm
50mm	40mm	32mm
50mm	50mm	32mm
50mm	60mm	32mm
50mm	70mm	32mm

Studs are available in a range of sizes for welding to tracks. Manufactured from heat treated boron alloy steel which is easily welded, these spikes combine hardness with strength.

Welding Procedure

Boron steel can easily be welded like any high strength alloy steel. Material must be clean and dry for welding. Preheating to 100°C is desirable. Low hydrogen welding procedures are recommended. Welding heat input to the track plate should be kept to a minimum and no welding should be done across the grain of the track plate. Weld only down the sides of the stud.



Tracks must only be fitted by trained operators. Assess all risks and ensure personal safety prior to track installation. Full fitting and safety instructions are supplied with tracks.





Track Tensioning & Fitting Equipment

Side Mounted Track Tensioner

QTT400



Track tensioners are available in two types - Side Mounted and Centre Mounted. Manufactured from high strength alloy steel with an acme screw thread these tools provide a fast, efficient method of fitting tracks, powered only by a socket and wrench. The Side Mounted model incorporates drop forged alloy steel end forks to fit securely into the track links and can be used either singly or in pairs - one each side for increased tension. The Centre Mounted model incorporates profiled alloy steel end hooks, specific to each track type and is fitted to the centre of the track plate for speed and ease of operation.

Centre Mounted Track Tensioner



Fitting Staples



Designed for use with most track types in conjunction with track tensioners, these fitting staples offer a fast and simple method of track installation.

How To Fit Tracks



1

The operator lays out the track with the track paws face down. A good quality strong rope (20mm dia nylon) is attached to the centre of the last track plate and fed over the middle of the bogey tyres, the excess rope is placed under the second tyre where it is jammed for traction grip.



2

The machine is driven forward with the wheels biting the rope, the track pulled on to the rear wheels.



3

The track is pulled over to the position shown where two fitting staples are placed either side of the track and the rope removed.



4

The machine is then driven forward to the position shown with the two staples holding the track tension in the centre of the bogey.



5

The track tensioner tool is placed to one side of the track and a ratchet used on the tool to tighten the track. The fitting staple is removed and a track joining link fitted. The process is repeated for the other side of the track and the correct track tension ensured.

