



**A MULTI- PURPOSE, ALL TERRAIN  
LOAD/TOOL/PERSONNEL, CARRIER**







The Loglogic **SOFTRAK** was conceived as the result of numerous enquiries from the conservation and land management sectors and has been designed to meet the unique requirements encountered in this field of activity. This essentially combines a low weight and ultra low ground pressure with rugged strength, through the use of high strength materials and reliability derived from Loglogic's manufacturing experience in their forestry harvesters and heavy duty all-terrain carriers. The conservationist, land manager and agent will recognise the virtues of this multi purpose machine and soon find its abilities indispensable to their operation.

Fitted with the 600mm wide Bridgestone Rubber Tracks the **SOFTRAK** is able to traverse steep slopes and cross very soft ground with ease with minimal damage to sensitive environments or highway surfaces. The rubber track has been designed with flexible edges so that it can deflect over obstacles and not cut into soft ground whilst travelling or manoeuvring, unlike rigid track systems and with floating bogies a smooth ride can be achieved over rough ground.

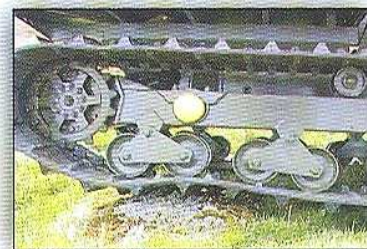
The flexible track also comes into its own when travelling on steep hard ground with wet vegetation as the outer edges of the track flex upwards it allows the middle 50% of the track to achieve greater penetration and prevent 'tobogganing' which can be a major problem with other types of track systems.



## APPLICATIONS

- Environmental Work
- Seismic Survey
- Coastal Operation
- Electric Power Industry
- Bomb Recovery
- Forestry / Upland Work
- Search and Rescue
- Civil Engineering
- Mobile Cranes
- Air Crash Recovery

## FEATURES



The **track bodies** are constructed in high tensile steels and are mounted on transverse cross tubes to allow the track width of the machine to be easily varied for different applications and tracks. The fully floating bogies are rubber mounted for vibration isolation and maintenance free operation. The heavy-duty Idler rollers are fully sealed with mechanical face seals (as found on Caterpillar excavators) to give unrivalled reliability and maintenance free operation in all conditions. Tensioning of the rubber track is by grease filled rams and can be easily adjusted with a standard grease gun. With all steel track rollers, idlers and sprockets and a track tensile strength in excess of 32,000kgs detracking is virtually eliminated and punctures a thing of the past.



The **large cargo area** behind the cab can be adapted to a wide range of options, being fitted as standard with a heavy duty, drop sided tipper body for general use. The clear flat cargo area allows large or heavy loads (up to 2,000kg) to be accommodated and with a sensible loading height, lifting awkward objects on and off is no longer a backbreaking exercise. Options include the fitting of quick attach personnel bodies for up to 8 people with independent heating and lighting, cranes, heavy duty electric or hydraulic winches (up to 3,800kg), rock bodies, timber beds and headboards, fire fighting equipment, sprayers, fertiliser spreaders and water bowsers (up to 2000l).



The **comfortable three man cab** comes with tinted glass, full height doors, opening side windows and sound proofing as standard and with a full heating and ventilation system (optional air conditioning) stress free operation is ensured in all conditions. Unbreakable polycarbonate front and rear screens are standard, with scratch resistant coatings and an "Anti fog" coating on the interior to minimise condensation. The rubber suspension allows the cab to be tilted forward to

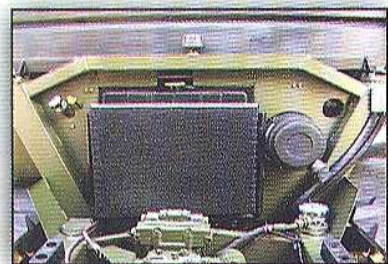


allow easy access to the engine and transmission for major service. An emergency exit is provided through the roof. The cab is fitted as standard with a heavy-duty suspension seat and lap belt for the driver and two fixed seats and lap belts for passengers with the option of suspension seats through out. Full instrumentation is provided with automatic engine shutdown on low oil pressure or high water temperature.

**With the optional front and rear 3-point linkages** and high powered PTOs a wide variety of attachments can be fitted to the Softrak to increase its versatility, including most standard agricultural implements ie: mowers, mulchers, chippers, log splitters, round balers, hedge trimmers and ground working equipment etc. The fully independent PTOs are modulated for gentle starts and with the automatic braking, high inertia loads (such as flail mowers or mulchers) are safely brought to a controlled stop. With the front linkage fitted with optional double acting rams, specialist attachments such as bulldozer blades, snow ploughs and snow blowers etc. can be fitted. The front hydraulic PTO can supply full engine power with flows up to 100l/min (22gal/min) and pressures up to 350bar (5000psi). Connections are high-pressure easy clean flat-faced couplings for quick attachment of hoses.



The powerful turbo diesel engine is allied to a servo control hydrostatic transmission system to give step less speed control with full automatic braking. The two speed track motors allow high tractive effort and reduced speed when climbing steep slopes or carrying heavy loads and the option of high speed for rapid transit when conditions allow. With the twin pump/motor hydrostatic transmission, power is transferred from the slower track to the faster track minimising power loss during turns. The patented **single joystick control** is unique to Loglogic and allows exceptionally smooth control of all the transmission functions from contra-rotation on the spot at low speed to wide sweeping curves at high speed all at the touch of a lever. As a safety feature the joystick will automatically return to the neutral position on release bringing the machine to a controlled stop. The control lever must also be in the neutral position to start the engine. For emergency braking and parking the **SOFTRAK** is supplied with maintenance free oil immersed multi disk brakes.



**Easy daily maintenance.** All routine service checks can be accessed and serviced at ground level without removing panels or tipping the cab. Convenient site gauges let you check fluid levels at a glance.

#### Options:

- Cranes including timber handling cranes with grabs and rotators.
- Winches up to 7 tonnes capacity.
- High ground clearance (500mm (20")).
- Air conditioning.
- Range of bodies for specialist applications.
- Auxiliary hydraulics to run a wide range of accessories and tools.
- Front and rear three point linkage and front and rear PTOs.
- Willow and reed harvesting attachments



#### Technical Specifications:

##### Engine:

Lombardini 4 cylinder turbo diesel.  
Power (DIN 70020) .... 44.1kw(60hp)  
Capacity.....2068cc  
Max Torque ...165.7Nm @ 1800rpm

##### Transmission:

Fully hydrostatic with servo operated pumps and two speed track motors.  
Pump capacity ..... 2 x 63 l/min  
Motor capacity ..... 2 x 750/375cc.  
System pressure .....350bar

##### Auxilliary hydraulic system:

6.3cc gear pump and two bank spool valve fitted as standard (max 4)  
Flow (2600rpm) .....16 l/min  
Maximum pressure .....150bar

##### PTOs:

Hydrostatic drive to a 540rpm motor at the rear and quick connect flat faced couplings at the front.  
Rear PTO power (540rpm) .....32kw  
Front hydraulic PTO power .....37kw  
PTO oil flow (2600rpm) .....88 l/min  
Maximum pressure .....350bar

##### Track Gear:

Bridgestone rubber track system with fully floating bogies and hydraulic tensioning.  
Track width .....600mm  
Max tractive effort .....4000kg  
Ground Pressure (unladen) .....1.25psi  
Maximum Speed .....14 kph (9mph)

##### Capacities:

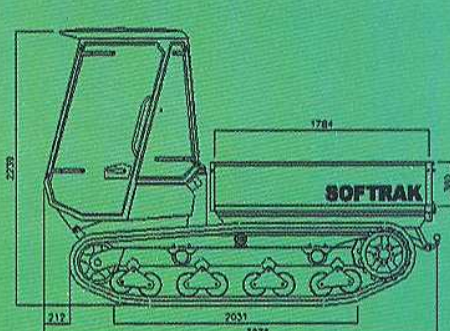
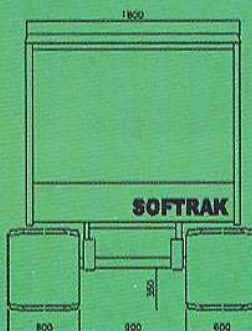
Fuel .....45 lts  
Hydraulic oil .....90 lts  
**Weight (Base machine)** .....2100kg.  
Payload.....2000kg.

##### Rear 3-Point linkage:

Category one 3-point linkage with stabilisers and adjustable lift arms.  
Maximum lift on arms ..... 1200kg  
Rated capacity ..... 700kg

##### Front linkage:

Category one front linkage with articulating lower lift arms.  
Maximum lift on arms .....1050kg  
Rated capacity ..... 600kg







**Loglogic**

Unit T9 Elm Park, Blundells Road,

Tiverton, Devon EX16 4BZ

Tel: 0044(0)1884 243699 . Fax: 0044(0)1884 243300

**[www.loglogic.co.uk](http://www.loglogic.co.uk)**

e-mail [info@loglogic.co.uk](mailto:info@loglogic.co.uk)