



The **Geotrak GT150** support vehicle is a track based mobile platform designed for transporting equipment, consumables, water etc. on extreme slopes such as dams or motorway and railway embankments. The working platform is automatically levelled in both planes to allow safe working on side slopes and steep inclines. The steel tracks, fitted with single grouser pads, achieve good ground penetration to give maximum grip on steep slopes up to 45 degrees. A 7,500kg radio controlled winch is fitted for added security on critical sites.

The **GT150** has radio control for travelling, winch operation and platform levelling override. Once in position the fold down walkways are deployed to give a secure level working area. All working areas are fitted with heavy-duty, GRP floor grating and guarded with removable handrails, kickboards and stanchions.

Safe operation and speed of deployment are major features of this rig. The **GT150** can be transported to site on a trailer behind a suitable 4WD and with a 3.4kph travel speed it can be quickly positioned on site.

Applications

- Providing additional platform area when using GT300
- Transportation of water (up to 1,000litres)
- Transporting equipment and consumables (1,000kg)

Specifications

Slope compensation
 Pitch 0 – 53°
 Roll + /- 0 -15°

Track System:

125mm heavy duty track chain with 250-500mm single grouser
 track plates with 7 lower rollers, 2 top rollers, hardened sprocket and spring loaded front idler.

Overall track length 2500mm approx
 Track pad width 250 - 500mm
 Track centres 1250mm
 Ground clearance 250mm

Track motors:

Two speed track motors with integral braking

Max speed in low displacement 3.4kph
 Max speed in high displacement 1.7kph

Engine:

Isuzu 3LCD1 water cooled 3 cylinder diesel.
 Power 24kw (32.7hp)
 Displacement..... 1.5 litre

Hydraulics:

Open loop hydraulic system (biodegradable oil option) with sealed reservoir, 10 micron return filter, suction strainers, level gauge and pressurised filler breather.

Pump:

Transmission - Piston pump with constant horsepower control.
 Capacity 2x17cc/rev @ 240bar

Transmission/platform/winch control valve
 Type: Sauer Danfoss PVG32 control valve

Radio Control:

Radio System c/w: transmitter, receiver, battery charger, two NiCad re-chargeable batteries.

Functions:

Two proportional paddles for L/H and R/H tracks
 Two digital paddles for pitch/roll and winch in/out
 Emergency Stop and Auto Level buttons.

Winch:

7500kg Superwinch EP16.5 c/w 30m of 14mm Dyneema rope and radio control operation.

Dimensions:

Tracking width (250mm grousers)..... 1.68m
 Operational length 2.95m
 Operational height 1.9m
 Weight 2,450kg

Options:

Full working lamps 4 x 55w Halogen
 The superstructure and undercarriage hot dipped galvanized for extended life and corrosion resistance.
 Hydraulic PTO - 30l/min@180bar

GT150 SUPPORT VEHICLE

