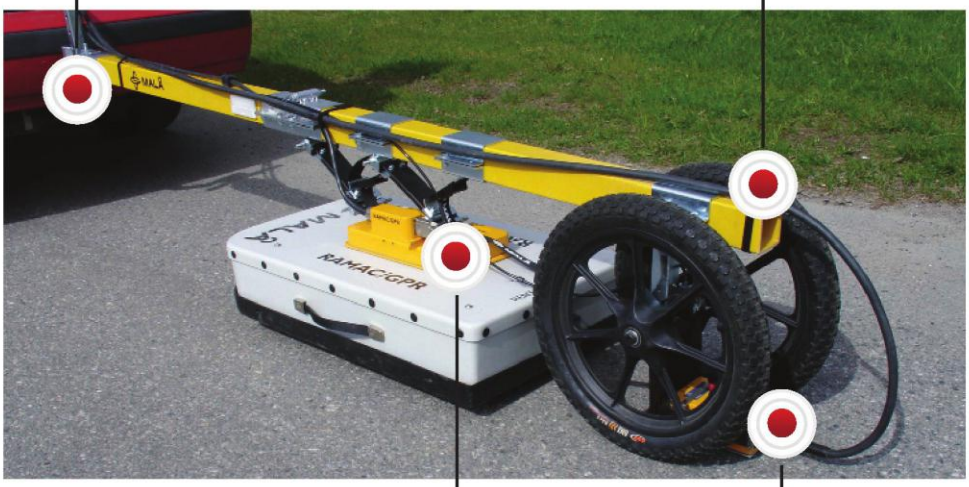

Adjustable Coupling


Adjustable survey height


Foldable fibreglass beam


Shock absorbent hinge mechanism.



MALÅ RoadCart

The MALÅ RoadCart is a dedicated cart designed for high speed road measurements utilizing one or two shielded GPR antennas. The MALÅ RoadCart was designed in cooperation with experienced road investigation specialists to ensure safe and optimal performance at high speeds.

The MALÅ RoadCart is constructed with a foldable fibreglass beam to simplify transportation and shipping. This construction also enable users to shorten the MALÅ RoadCart beam when performing single antenna measurements.

The MALÅ RoadCart is adjustable for optimal road clearance and various towing hook heights, thus offering a level and smooth ride for the antennas, even at high speed.

Special spring loaded fixings hold the antennas securely in place on the beam of the MALÅ RoadCart, however, should the antenna strike an obstacle in the road during data collection, these mechanisms are designed to move the antenna upwards and backwards to minimize impact shock.

MALÅ

RoadCart

System Set-up

The MALÅ RoadCart is typically configured with one MALÅ HF Antenna (1.2, 1.6 or 2.3GHz) and one lower frequency antenna (MALÅ Shielded 250, 500 or 800MHz Antennas) allowing the user to gather information from a range of depths to include the entire road construction, i.e. pavement, supportive layers and base.

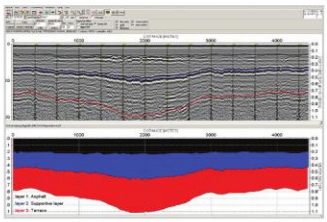
MALÅ Geoscience recommends using the MALÅ RoadCart together with the MALÅ Proffessional Explorer (ProEx) system. The MALÅ ProEx control unit is a dual channel system and can therefore operate two antennas simultaneously at high speed, making it perfectly compatible with optimal MALÅ RoadCart antenna set-up. For single antenna measurements, the MALÅ RoadCart can also be used with the MALÅ CX System (using the 1.2, 1.6 or 2.3GHz antenna) or the MALÅ X3M System (using the MALÅ Shielded 250, 500 or 800MHz Antennas).

Features

The design and construction of the MALÅ RoadCart is made for everyday usage featuring:

- Shock absorbent design to protect antennas
- Fully adjustable to optimize data collection
- Flexible design supporting various coupling heights
- Compact and foldable construction for easy transportation

Note: *the MALÅ RoadCart should always be used in accordance with any relevant local, national or regional legislation or guidelines.*






Technical Specification

Dimensions:

Unpacked: 130 (L) x 30 (W) x 50 (D) cm

Shipping box: 140 (L) x 40 (W) x 55 (D) cm

Weight:

Unpacked: 21 kg

Packed (box): 37 kg

Wheel size: 16″

Wheel type: puncture proof

Distance encoder: included

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