

Crawler-Truck CPT Penetrometer Rig – Max. 180 kN



Quotation



Contact

The CPT crawler-truck is a CPT penetrometer rig based on a truck-chassis provided with a crawler undercarriage. The crawler-truck has been designed to execute soil mechanical research based on static Cone Penetration Testing (CPT) techniques in an efficient manner. By means of the penetrometer pusher, installed in the centre of gravity of the CPT crawler-truck, either an electrical or mechanical probe (called a cone) is pushed into the ground and the mechanical resistance and friction of the soil is recorded. The CPT crawler-truck itself has a relatively high own weight and serves as counterweight to provide the required penetrative force.

The CPT crawler-truck is normally used on badly accessible job-sites and will therefore be constructed on top of a 4x4 all-wheel drive truck chassis. In cases where weight is of the essence you can also opt for a truck with 4x2 drivetrain. Before the CPT crawler-truck can do a CPT test, it is to be levelled horizontally. This is done by means of the 4 hydraulic cylinders that actuate the up and down movement of the crawler undercarriage. With