



Plate settlement



STRUMENTI E MISURE GEOTECNICHE
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Plate settlement



Numero 034
Rev. 01 del 27/04/2022

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WARNINGS



This instrument must be utilized only for the application it has been designed for, OTR declines all responsibility for any improper use.



During the storage it isn't recommended to overlap more than 2 pallets.



Do not put the instrument in flammable liquids or potentially explosive gases.



Unload the pallets carefully.



Use protective gloves and safety shoes

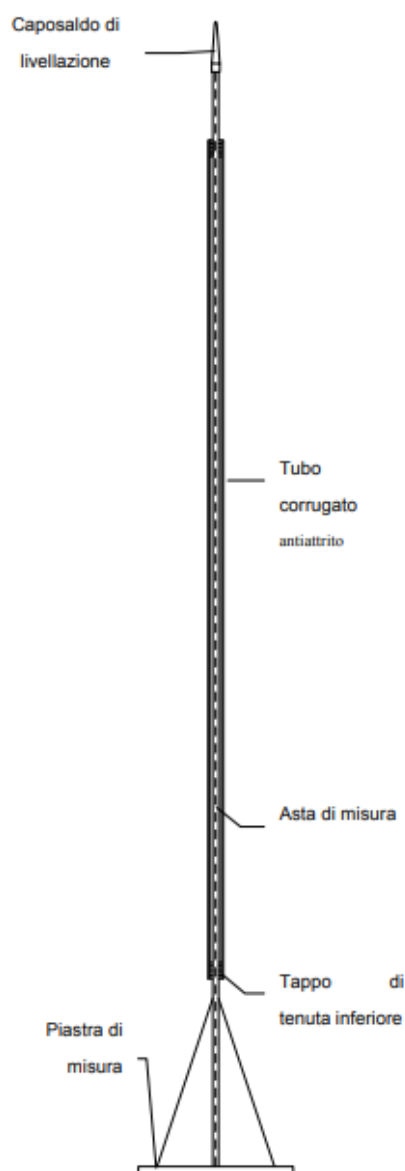
Furthermore

- Do not open the instrument, contact the manufacturer for checks and repairs;
- Keep out of reach of children;
- Do not use the instrument in soils where an electric dissipation is in progress.
- Clean the instrument and its cable with alcohol or water, do not use acetone or aggressive liquids for plastics or labels;
- The instrument is made up of galvanized iron plate, so is necessary move and instal it whit protective gloves. Read the manual before assembly.

Application

Plate settle is instrumentation used to measure the failure of the foundation plan of a road or railway embankment, or any other foundation soil in which it's installed.

Periodic Topographics' measurements of the benchmark's height on the terminal of the measuring rod, highlights the failure of an external element.



Description

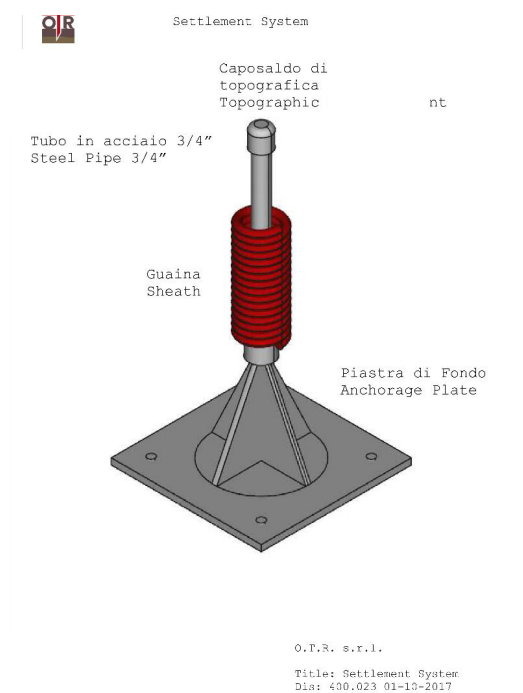


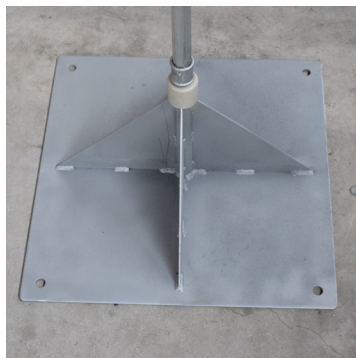
Plate settlement is an extremely easy and reliable instrument. The plate is the anchor, using the rod covered by the frictionless sheaths, allows the user to measure the subsidence of the soil compared to the head benchmark.

Component

Frictionless sheaths



Rod $\frac{3}{4}$ " in galvanized steel, sleeves and Galvanized iron plate 500x500 mm with coupling terminal;



Head stop terminal for topographics measurements:



Installation

1. Make an excavation of 100x100x100cm and deliver on the bottom some sand, than level and compact it;
2. Place the plate on the bottom, cement it, and eventually tassellate it. (Be carefull to check the leveling of the plate)
3. Insert inside the plate's rod the plastic element with the blunt part upright;
4. Screw the first sleeve to the fixing at the bottom the plastic side;
5. Insert the first 2m tube fixing it at the end of the sleeve;
6. Insert the first piece of sheath to cover the plastic fitting;
7. Eventually fix the sheath and the sleeve with parcel tape
8. Fill the first stretch with landfill material
9. If you are already tailored fix the benchmark to the rod
10. Than proceding with the structure's growing, go on to assemble the instrument in the following way:
 - a) Disasseble the leveling stud
 - b) Insert the next rod with sleeve
 - c) Insert and join the frictionless sheath (that has got a shrinkage every meters usefull, if it's cut, to joint two sheath's pieces only screwing them)

Taking Measurements

With this instrument you can perform manual measurements with the head benchmark topographic leveling

