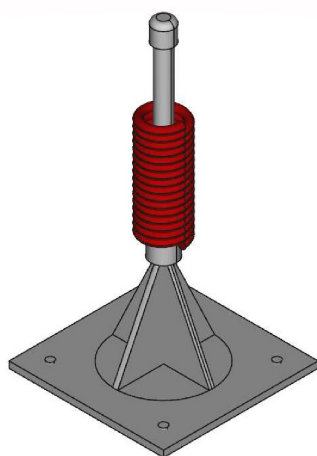




Settlement Plate

Technical Features



The settlement plate consists of a base plate made from a sheet of galvanized steel, square shaped with a side of 50 cm. Measuring rod consists of a series of galvanized steel tubes (length 200 cm, $\pm 3/4''$) with a threaded end for the junction. Tubes are inserted in a continuous corrugated pipe in PVC with ext. $\pm$ of 5.5 cm. Optical survey point is made of stainless steel and it is threaded to allow coupling with the measuring rod.

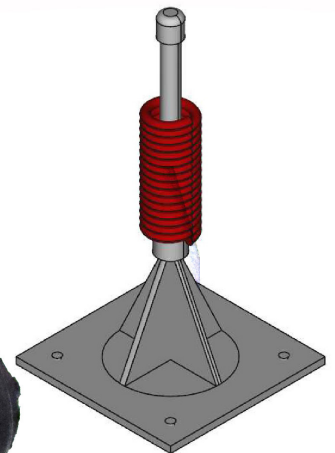
Applications

The settlement plate is a tool that has the purpose of measuring the subsidence of the foundation plane of a detected road or rail, or any other foundation soil in which it is installed.

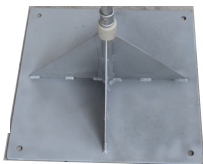
Periodic topographic measurements of the target mounted on the rod top, highlight the relative displacement compared to an external point.

Installation

- The settlement base plate is laid on the foundation plain and connected to the top by means of a rigid measuring rod. The settlement base plate follows the subsidence of the ground and carries with it the measuring rod. Rod is free to move thanks to the interposition of the outer corrugated anti-friction sheath. Through periodic topographic measurements of the optical survey point mounted on the rod top, you determine the subsidence of the base plate.



Technical specifications

				
Description	Settlement Plate	Measuring rod	Corrugated anti-friction sheath	Cap and Optical survey point
Dimensions	500x500 mm	3/4"	Ø ext. 55 mm	Ø ext. 40 mm
Thickness	3 mm	-	1 mm	-
Length	500 mm	2000 mm with external couplers F/F	Supplied in a continuous roll with joint shaping graft tube-tube	50 mm
Material	Galvanized steel	Galvanized steel	PVC	Stainless Steel



Codes & Part Numbers

P/N 2017100	SETTLEMENT ANCHOR PLATE
P/N 2017101	PLASTIC FITTING
P/N 2017102	SETTLEMENT ROD 3/4", 2 M
P/N 2015021	PVC SHEATH Ø 55 mm
P/N 2017103	STAINLESS STEEL SURVEY POINT