SINGLE-POINT SETTLEMENT SYSTEM

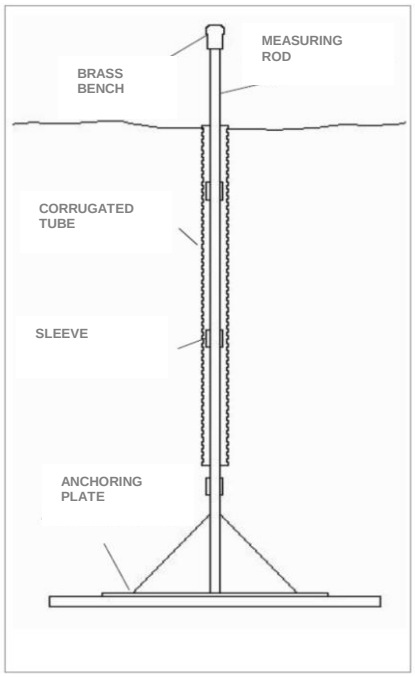
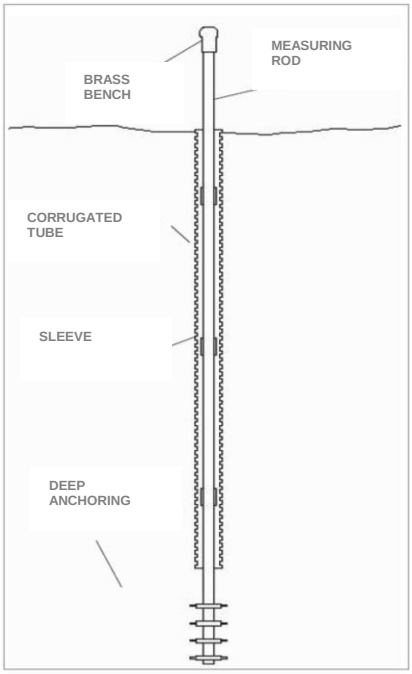
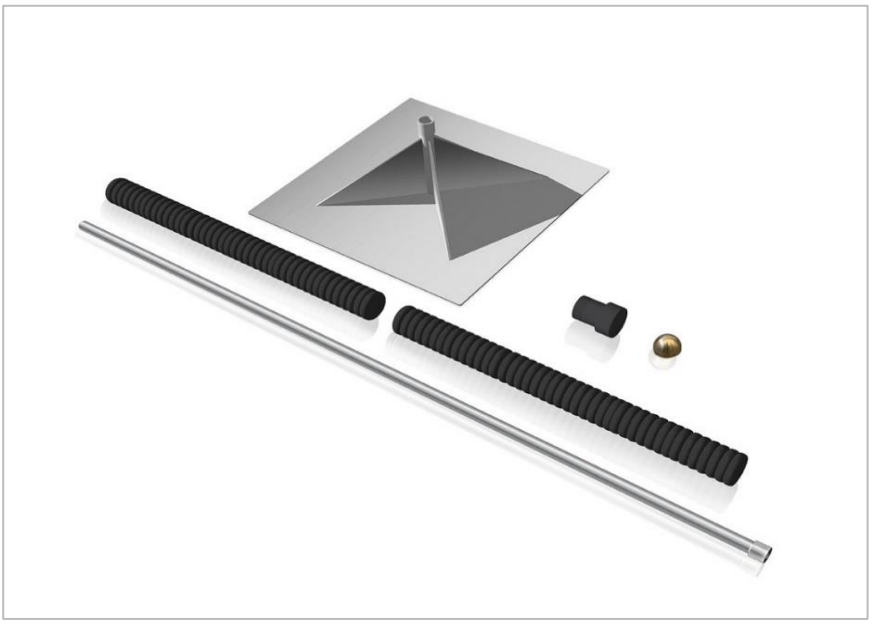


Plate settlement gauge



borehole settlement gauge



The single point settlement gauge is used to measure subsidence or bulging points deep inside the ground. The reading is done on the surface on the bench mark. The instrument comes in two different configurations:

- **plate settlement gauge** with deep anchoring through a metal plate. It is mainly used during embankment earthworks;
- **borehole settlement gauge** with deep anchoring through a steel bar with improved bond. It is mainly used to monitor downhole areas.

The operating principle is the same for both configurations: a steel rod is inserted inside a PVC corrugated sheath (thus not affected by soil friction). The edge of the rod is firmly fixed to the ground with deep anchoring (a plate or improved bond bar). On the surface, the head of the rod (measuring head, bench mark) bears subsidence or bulging at the same magnitude as in the depth at which the rod is anchored. The reading is done as topographic survey to measure the displacement.

SPECIFICATIONS FOR PLATFORM SETTLEMENT GAUGE		
	Dimension (mm)	*Material*
Plate	500 x 500 x 15	galvanized steel
Bench mark	40 x 50	brass
Bar	diam. 3/4", length. 2000-1000	galvanized steel
Corrugated sheath	diameter 55	polyethylene
SPECIFICATIONS FOR THE BOREHOLE SETTLEMENT GAUGE		
	Dimension (mm)	Material
Deep anchoring	60 x 600	galvanized steel
Bench mark	40 x 50	brass
Bar	diam. 3/4", length. 2000-1000	galvanized steel
Corrugated sheath	diameter 55	polyethylene

CE product compliant with European directives

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