



One Touch Inclinometer Casing

Features

- World best design patent pending
- Simplify installation tasks
- Self alignment key way and grout tight O-Ring sealed coupling
- High precision injection mold way to guide grooves
- Low spiral less than 0.3 deg per 3 metres

Application

- Monitoring lateral ground movement in land slide areas
- Measuring stability during site excavation
- Deflection of retaining walls and piles under heavy loads
- Measuring subsoil movement in reclamation and subsoil improvement sites



Product Description

The One Touch Inclinometer Casing is a special grooved tubing, generally installed in a borehole, used along with digital inclinometer probe system to monitor lateral ground movement and measure Borehole verticality.

One-touch inclinometer casings are supplied with a male and a female couplings attached to both ends of the casing at the factory.

Used for eliminating rivet work that firmly connects the casing and the coupling in the field, silicone sealing to prevent grout into joint seam, and additional vinyl taping for protection of silicon sealing. The one touch assembling process can greatly simplify the installation process, saving time and labour.

One touch connection is made of fresh ABS resin using precision injection plastic molding. The built in couplings are made of ABS adhesive, optimised at the factory under high-level quality control.

O-rings are attached on the male coupling to prevent penetration of grout or foreign fluids. Around the male coupling, a certain length of protrusions are shaped and when the female and male couplings are fastened, they have a strong resistance against the separation force due to its own weight, and have an average holding capacity of 85kgf or more.



Specifications

Description	Value
Material	ABS
Groove Spiral	< 0.3 deg per 3 metres
Collapse Rating	1960kPa
Bending Rating	3.07kN
Maximum Temperature	80
Tensile strength after joint coupling	85kgf
Length	3 metres
Outer Diameter of coupling	75mm
Inner diameter of casing groove	62mm
Weight	2.75kgs