

Inclinometer Casing



Specifications

Material ABS (Acrylonitrile Butadien Styren)

Accuracy $\cong 4^\circ / 30$ meters in length

Load test $\cong 320$ kgf

Shear strength 220 psi

Operating temperature $-29 \sim +82^\circ\text{C}$

Introduction

Inclinometer serves an important role in geotechnical monitoring system. It is widely used in dams, slopes, retaining walls, and other similar engineering projects. This system is capable of verifying the stability of slopes, detecting displacement and their status, monitoring ground movement, and helping with geo-survey analysis of stratum sliding. The inclinometer casing is authorized by DGSi Slope Indicator, which is a US geotechnical instrumentation manufacturer, for reproduction in Taiwan. The casing material is ABS, which is tougher and more rigid than PVC. The casing can be used in corrosive and dredged soil. The precision cutting machining used for manufacturing the grooves of the casing reduces considerably common error of casing rotation, enhancing the accuracy and precision of recorded data.

Type

Model	51101	51111	51121
Specifications	3.34"	2.75"	2.54"
Length (mm)	3000	3000	3000
Outer diameter (mm)	85.0	70.0	64.5
Inner diameter (mm)	73.0	60.0	56.5

Features



ABS

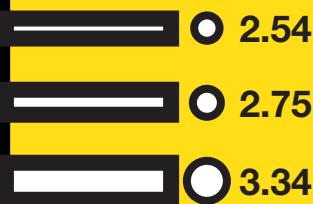
Flexural strength

ABS can withstand tremendous pressure and bend without breaking.



High accuracy

Precision cutting machining resulting in straight grooves reduces considerably errors in of the inclinometer idler-wheels.



Three size choice

2.54", 2.75", 3.34".



Spiral effect

Spiral effect: Low rotation (less than $4^\circ/30\text{M}$) to avoid direction deviation.