



## ABS Inclinometer Casing Model 2117-GS-IC02

### FEATURES

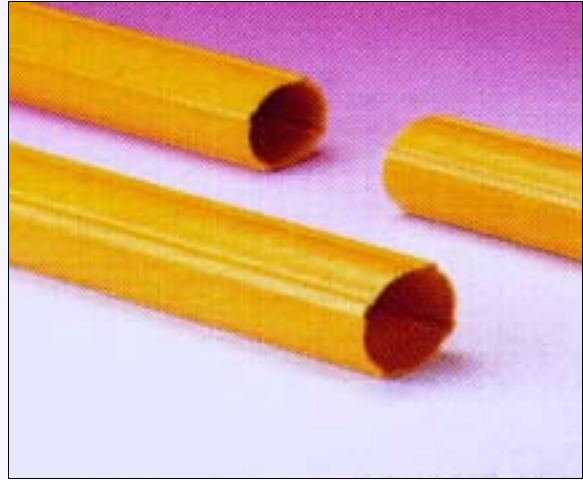
- Self aligning joints
- Accurate groove alignment
- Corrosion resistant
- Flexible & strong
- Lightweight and economical
- Telescopic joints available

### APPLICATIONS

Geosystems' ABS plastic casing can be used with most commercially available inclinometer probes to monitor the stability of:

- Embankments
- Slopes
- rock cuts
- Foundation excavations
- Walls
- Columns
- piling, and
- coffer dams.

The casing sections are coupled together and grouted inside boreholes, or fixed to the surface of piles or walls.



### Operation

The casing and couplings have grooves spaced at 90° to each other which fit the wheels of the inclinometer probe, thus maintaining the orientation of the probe as it is moved up and down the casing. These incremental changes are added together to give a vertical profile of the casing.

### Materials

Model ICP70 casing is manufactured from extruded ABS plastic – a suitable material for this application, being strong, lightweight and corrosion resistant. The manufacturing method produces casing that ensures accurate groove alignment (< 0.2°/3m), whilst the use of ABS plastic ensures that the casing will remain stable through a wide range of environmental conditions.

### Accessories

#### Bottom caps

Pointed to assist insertion of bottom section of casing

#### Top caps

Flanged lockable and non-lockable types to prevent debris from falling down the casing

#### Settlement monitoring

Spider or plate type magnetic targets can be fitted to casing or couplings

#### Telescopic Couplings

Allow casing to shorten if settlement of surrounding material occurs

#### Installation Kits

Pop rivets, tapes, sealants and installation tools to suit casing and application

#### Probes & Readouts

A competitive range of inclinometer probes and readouts is available.

### Specifications

Casing	Length	3 m
	Inside diameter	60 mm
	Outside diameter	71 mm
	Weight	0.8 kg/m
Couplings	Length	200 mm
	Outside diameter	77 mm
	Weight	0.1 kg

Due to on-going design improvements and reviews, we reserve the right to amend product and specifications without prior notice

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### FOR FURTHER INFORMATION

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