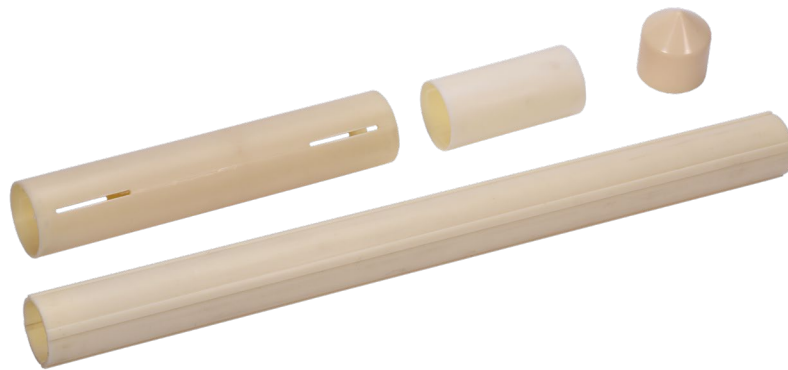




## INCLINOMETER CASING



### INTRODUCTION

Inclinometer casing play a vital role in measurement of lateral deformation. The casing is used in conjunction with digital inclinometer probe, in-place inclinometer chain or 3D in-place inclinometer with settlement monitoring chain to determine the movement in ground, embankment, dams, pile, diaphragm wall, structure or slope.

The sturdy grooved ABS casings acts as an access guide for the probe's wheels. It has longitudinal keyways at 90 degrees, specially produced to close tolerances. Wheels of tilt sensing probe can run smoothly inside these keyways.

The casings are available with both fixed and telescopic coupling to suit field requirements.

### FEATURES

- High precision machined internal grooves
- Self-aligning, leak-proof couplings
- ABS material and thick walls make it strong enough for use in any kind of application
- No spiral effect, less than  $0.3^\circ/3\text{ m}$
- One of the best design with advanced technology for the snap in
- Simple one-touch installation with snap-in type reduces field installation time.

### APPLICATION

- Determination of lateral movement and deformation of earth works or structure.
- Measurement of magnitude of inclination or tilt and its variation with time in structures like retaining/diaphragm walls, piles etc.



## INCLINOMETER ABS ACCESS TUBING

Model EAN-AT series of access tubes are 3 m (~9.85 ft) in length. Different kinds of couplings are available to rapidly join access tubes. Telescopic couplings are available in case settlement is expected to take place.

Design of fixed and telescopic couplings ensure that correct alignment of keyways is maintained throughout depth of gage well so that the orientation of the sensing probe does not change throughout the gage well.

### Tubing and coupling

#### EAN-AT70 self-aligning access tube

Self-aligning ABS tubing, 70 mm o.d. (~ 2.75 in), 58 mm i.d., 3 m length.

#### EAN-FC70 ABS fixed coupling (70 mm)

ABS fixed coupling for 70 mm o.d. access tube; 77 mm o.d. x 160 mm length.

#### EAN-TC70 ABS telescopic coupling (70 mm)

ABS telescopic coupling for 70 mm o.d. access tube; 77 mm o.d. x 300 mm length, displacement up to 150 mm.



### Accessories

#### EAN-EC70 End cap for ABS tubing (70 mm)

ABS end cap for 70 mm o.d. access tube to fit at top or bottom.

#### EAN-TT70 Top cap for ABS tubing (70 mm)

ABS lockable top cap for 70 mm o.d. access tube.

#### Pop rivets for ABS tubing

Pop rivets packets of 100 numbers for fixed coupling.

#### Self tapping screws for ABS tubing

Self tapping screws packets of 100 numbers for telescopic coupling.

#### Pop rivet gun

Hand held manually operated.

#### Power drill

230 V 50 Hz operation power drill with two 3.2 mm dia drill bits.

#### Mastic tape

50 mm width x 10 m long mastic tape.

#### ABS casing sealing accessories

BOPP tape 50 mm width x 30 m long.

Note: EAN-AT series of casing with 85 mm o.d. (~ 3.35 in), 77 mm i.d., available on request.