



PRODUCT CATEGORY:
INCLINOMETERS + TILT SENSORS

Inclinometer Casing Anchor

The Inclinometer Casing Anchor prevents buoyant uplift of inclinometer casing during installation. It is affixed to the bottom of the inclinometer casing prior to inserting it into the drill-rod/borehole. As soon as the anchor exits the bottom opening of the drill-rod/borehole, the spring loaded arms of the anchor are automatically extended to grip the borehole wall.

Control of buoyancy is an important detail of inclinometer casing installation in vertical boreholes and ducts. Buoyancy forces from water, and especially grout, may exert substantial uplift forces on casing prior to setting of the grout. The optimum location for restraint of this uplift force is at the bottom of the casing.

Inclinometer Casing Anchors are available for 70 mm and 85 mm casing in both the Snap Seal and Glue & Snap coupling styles. A grouting version of the anchor is also available which houses a connector for an internal tremie line directly inside the anchor itself. Magnetic targets may also be integrated into the anchor assembly.

> APPLICATIONS

Where preventing the buoyant uplift of inclinometer casing during installation is required.

Pilings	Lanslides & slope stability
Subsidence control	Embankment and dam stability
Bridge pier, abutments deflection	Slurry and tie back walls

> FEATURES

Compatible with 70 and 85mm inclinometer casing.	Uniquely designed anchor arms for reliable gripping with minimal movement.
Simple installation.	Options for grouting.

> BENEFITS

✓ High Reliability	✓ Custom Options
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A top view of an Inclinometer Casing Anchor with its arms fully extended. Both Snap Seal (shown) and Glue & Snap coupling styles are available.

ORDERING

ITEM	PART #
70 MM SNAP SEAL CASING STYLE	
Casing Anchor - Standard	ICSC2CA
Casing Anchor - with Magnetic Settlement Target	ICSC2CAT
Casing Anchor - with Grout Connector	ICSC2CG
85 MM SNAP SEAL CASING STYLE	
Casing Anchor - Standard	ICSC3CA
Casing Anchor - with Magnetic Settlement Target	ICSC3CAT
Casing Anchor - with Grout Connector	ICSC3CG
70 MM GLUE & SNAP CASING STYLE	
Casing Anchor - Standard	ICGC2CA
Casing Anchor - with Magnetic Settlement Target	ICGC2CAT
Casing Anchor - with Grout Connector	ICGC2CG
85 MM GLUE & SNAP CASING STYLE	
Casing Anchor - Standard	ICGC3CA
Casing Anchor - with Magnetic Settlement Target	ICGC3CAT
Casing Anchor - with Grout Connector	ICGC3CG
GROUT ADAPTER	
Female Grout Adapter 3/4" NPT	IC1200



A view on the underside of the Inclinometer Casing Anchor with its arms half opened.



Contact RST for Details