



TECHNICAL DATA SHEET

Issue 02.2015
Rev 02/02.2015

GEOTECHNICS & CIVIL ENGINEERING

TDS-378



Inclinometer Casing Quick Lock

ABS and PVC Inclinometer Casing designed for driving slope indicator



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DESCRIPTION	DESCRIPTION	DESCRIZIONE
<p>ABS and PVC Inclinometer Casing is used in conjunction with all commercially available inclinometer probes to monitor the stability of embankment, slopes, rock cuts, foundation and excavation walls, piles, coffer dams, etc.</p> <p>“Quick Lock” Inclinometer Casing is engineered to be assembled quickly and accurately, and used for long and short-term monitoring in the most adverse field conditions.</p>	<p>Tubes inclinométriques en ABS et PVC bons pour tout type de sonde inclinométrique, pour le monitoring de la stabilité de pentes, glissements, barrages et structures de soutènement (parois clouées, parois moulées).</p> <p>La connection « Quick Lock » est une type de connction rapide et sécurisée qui ne prévoit pas l'utilisation de colle ou de rivets.</p>	<p>Tubi inclinometrici in ABS e PVC compatibile con tutte le sonde inclinometriche per monitorare la stabilità dei pendii, delle fondazioni, dei diaframmi, delle dighe, dei pali di fondazione, ecc.</p> <p>La connessione “Quick Lock” permette di assemblare rapidamente e in maniera accurata I tubi per il monitoraggio a breve o lungo termine, senza l'ausilio dei rivetti.</p>

MATERIALS USED	MATERIAUX UTILISES	MATERIALI IMPIEGATI
<p>ABS Model: <u>ABS Shock-Resistant</u></p> <ul style="list-style-type: none"> - Density: 1.0 ± 0.1 g/cm³ - Tensile Strength: 40 MPa - Breaking Elongation: 20 % - Elastic Modulus: 2700 MPa 	<p>Model ABS : <u>ABS Anti-choc</u></p> <ul style="list-style-type: none"> - Densité: 1.0 ± 0.1 g/cm³ - Résistance à traction: 40 MPa - Allongement à la rupture: 20 % - Module d'élasticité: 2700 Mpa 	<p>Modello ABS: <u>ABS Antiurtizzato</u></p> <ul style="list-style-type: none"> - Densità: 1.0 ± 0.1 g/cm³ - Resistenza a trazione: 40 MPa - Allungamento a rottura: 20 % - Modulo elastico: 2700 Mpa
<p>PVC Model: <u>Rigid PVC Schock-Resistant</u></p> <ul style="list-style-type: none"> - Density: 1.5 ± 0.1 g/cm³ - Tensile Strength: 30 MPa - Breaking Elongation: 50 % - Elastic modulus: 2700 MPa 	<p>Model PVC : <u>PVC Rigide Anti-choc</u></p> <ul style="list-style-type: none"> - Densité: 1.5 ± 0.1 g/cm³ - Résistance à traction: 30 MPa - Allongement à la rupture: 50 % - Module d'élasticité: 2700 Mpa 	<p>Modello PVC: <u>PVC Rigido Antiurtizzato</u></p> <ul style="list-style-type: none"> - Densità: 1.5 ± 0.1 g/cm³ - Resistenza a trazione: 30 MPa - Allungamento a rottura: 50 % - Modulo elastico: 2700 MPa



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Inclinometer Casing	Internal Diameter	External Diameter	Weight [g/m]	Grooves	Collapse Pressure @ 20 °C	Connection Socket	Temperature Derating @ 50°C
ABS 60/70	60 mm	70 mm	970 g/m	4 @90°	7 bar	ABS – 105 mm long – Ø 76 mm	0,58
PVC 57/70	57 mm	70 mm	1850 g/m	4 @90°	25 bar	PVC – 105 mm long – Ø 76 mm	0,39
PVC 60/70	60 mm	70 mm	1360 g/m	4 @90°	13 bar	PVC – 105 mm long – Ø 76 mm	0,39

Other types on request

Tolerances: ± 0.8 mm on internal or external diameter. ± 8% on weight. ± 1.5 mm on connection socket.

Installation procedure:

Push the coupling over the casing tube, insert “Quick Lock” wire into coupling hole. Wrap sealing tape tightly.

Sealing Tape and extra “Quick Lock” wire available at Sireg shop.

Handling and Storage:

Avoid to hit the pipes with heavy tools. Usually light and easy to move. Pallets to be stored on a flat surface. Do not place load over this product. Do not store under direct sunlight, always keep product protected from sunlight in order to avoid deformation. At low temperature the product may be brittle. Keep at standard range temperature (5 to 30°C).



PACKAGING	COLISAGE	IMBALLO
Pallet 70 x 70 x 320 cm. No. 60 pipes per pallet.	Palette 70 x 70 x 320 cm. Nr. 60 tubes par palette.	Palette 70 x 70 x 320 cm. Nr. 60 tubi per palette.
SAFETY INDICATIONS	INDICATIONS DE SECURITE	INDICAZIONI DI SICUREZZA
See the relevant Material Safety Data Sheet.	Consulter la relative fiche de sécurité.	Consultare la relativa Scheda di Sicurezza.

The above data are based on our current best practical and laboratory results and on results deriving from the application of the product in the various possible fields. Sireg SpA will not be held responsible for inadequate or negative performance arising from improper use of the product or for defects due to elements other than the quality of the product, including incorrect storage.

The technical and performance characteristics contained in this data sheet are updated periodically. The revision date is shown on the second page. Please always check with Sireg SpA that the present one represents an updated version of the data sheet.