High Endurance Inclinometer Casing

High Endurance Inclinometer Casing is comprised of ABS casing lengths with no machining at the end, except for an alignment notch. Casing sections of either 1.52 m (5 ft) or 3.05 m (10 ft) are assembled with external tight-fitting slip couplings. By construction, the High Endurance Casing is therefore a very homogeneous tubing with extra reinforcement at the location of the connection between casing sections in order to ensure maximal torsional, compressive and bending strength. High Endurance Inclinometer Casing is used in situations where extra robustness is required. For instance, when the casing is installed in a soil formation or an embankment subject to relatively high settlement causing downdrag along the casing, the extra reinforcement ensures that all the strength of the casing will be mobilized. Shear resistance of the casing at the contact between different geological formations is also improved.

If the expected settlement is very high, e.g. substantially more than 1-2%, telescopic sections or telescopic casing as described in separate data sheets, should be used.

> APPLICATIONS

- Pilings.
- Landslides and slope stability.
- Subsidence control.
- Under large storage tanks.
- Embankment and dam stability.
- Bridge pier, abutments deflection.
- Areas next to large excavations.

> FEATURES

- External couplings.
- High precision, machined guide grooves.
- Self aligning, water and grout tight couplings.
- Low spiral ≤ 0.005 Rad/3 m (≤ 0.3 deg./10 ft.)
- Meets or exceeds all applicable standards.
- Compatible with all commercial probe types and in-place inclinometer sensors.
- 70 mm (2.75 in.) and 85 mm (3.34 in.) OD sizes.
- Compatible with inductance, reed switch, magnetic, or mechanical settlement monitoring devices.

> BENEFITS

- ✓ Increase Safety
- ✓ High Reliability

ORDERING INFO

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>70 MM (2.75 IN.)</th>
<th>85 MM (3.34 IN.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.52 m length (5 ft.)</td>
<td>ICHE205</td>
<td>ICHE305</td>
</tr>
<tr>
<td>3.05 m length (10 ft.)</td>
<td>ICHE210</td>
<td>ICHE310</td>
</tr>
<tr>
<td>Coupling</td>
<td>ICHE2C0</td>
<td>ICHE3C0</td>
</tr>
<tr>
<td>Top cap</td>
<td>ICC2TC</td>
<td>ICC3TC</td>
</tr>
<tr>
<td>Bottom cap</td>
<td>ICHE2BC</td>
<td>ICHE3BC</td>
</tr>
<tr>
<td>Grout cap</td>
<td>ICHE2CP</td>
<td>ICHE3CP</td>
</tr>
<tr>
<td>Rivets</td>
<td>IC1010</td>
<td></td>
</tr>
<tr>
<td>ABS Solvent Cement (cannot be shipped by air)</td>
<td>IC1020</td>
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</tr>
</tbody>
</table>

OPTIONAL EQUIPMENT

- Riveting tool
- Casing anchor
- Reconnect adapter
- Reconnect alignment tool
- Female grout adapter
- Grout cap