



# Inclinometer Casing Installation Guide

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Installation notes for grooved inclinometer casing, taken from our published casing specification.

## Before Installation

Check the casing is clear and the guide grooves are aligned between lengths before lowering the string.

## Jointing

Join lengths with the matching couplings and seal against grout ingress. Standard couplings are OD 76 mm, the flushed type is OD 73 mm.

## Orientation

Set one groove pair along the expected direction of movement and record the orientation for every future survey.

## Protection

Fit top and bottom caps, and an outer protection box where the casing head is exposed to site plant.

## Tolerances To Expect

OD 70 plus minus 1.0 mm, wall 5 plus minus 0.5 mm, groove width 5 plus minus 0.5 mm, groove depth 2 plus minus 0.2 mm, bending 1.0 per mille or less, torsion 0.2 degrees per metre or less.

## Reading The Hole

A traversing probe reads at 0.001 degree resolution. An in place string reads continuously at 0.0005 degree resolution over RS485.

Published values are general averages for reference. Actual product data should be based on the results of actual testing within the applicable scope.