



Extensometer casing dimensions



The inclinometer casing in ABS, with smooth outside surface, can be equipped with magnetic or aluminium rings positioned at 1m distance from each other, thus allowing monitoring of strain along the axis of the casing. This integrated inclinometer casing detects displacements along the main axis with the application of a removable measuring system or along the plane perpendicular to the main axis, through the application of a removable inclinometer system (horizontal or vertical).

The casing itself therefore can work as **incremental extensometer** (if measurement is performed by the extensometer probe alone), as **2D extenso-inclinometer** (if the installation take place inside a horizontal borehole and the reading is done by an extensometer probe and a uniaxial horizontal inclinometer probe) and as **3D extenso-inclinometer** (if the installation take place inside a vertical borehole and the reading is performed via an extensometer

probe and a biaxial vertical inclinometer).

As with the classic inclinometer tube, the column of tubes, joined by couplings, must be inserted in boreholes of suitable diameter. Once the tube is in place, the interspace between the tube and the wall of the borehole must be filled with special mortar, sand or gravel, so that the tube perfectly adheres to the soil or to the material in which it is inserted, thus ensuring perfect reading of the movements.

We reserve the right to carry out modifications to our products and their specifications without prior notice

RING DIMENSIONS			TUBE DIMENSIONS	
material	Aluminium	PVC	material	ABS
ring internal diameter (mm)	72,5	72,5	A (internal diameter mm)	60
ring outer diameter (mm)	85	92	B (grooves outer diameter mm)	70
ring thickness (mm)	6,5	10	C (grooves internal diameter mm)	64
weight (g)	170	170	tube length (m)	3
			thickness (mm)	5
			coupling (outer diameter mm)	76
			weight (g/m)	1000



product compliant with European directives

