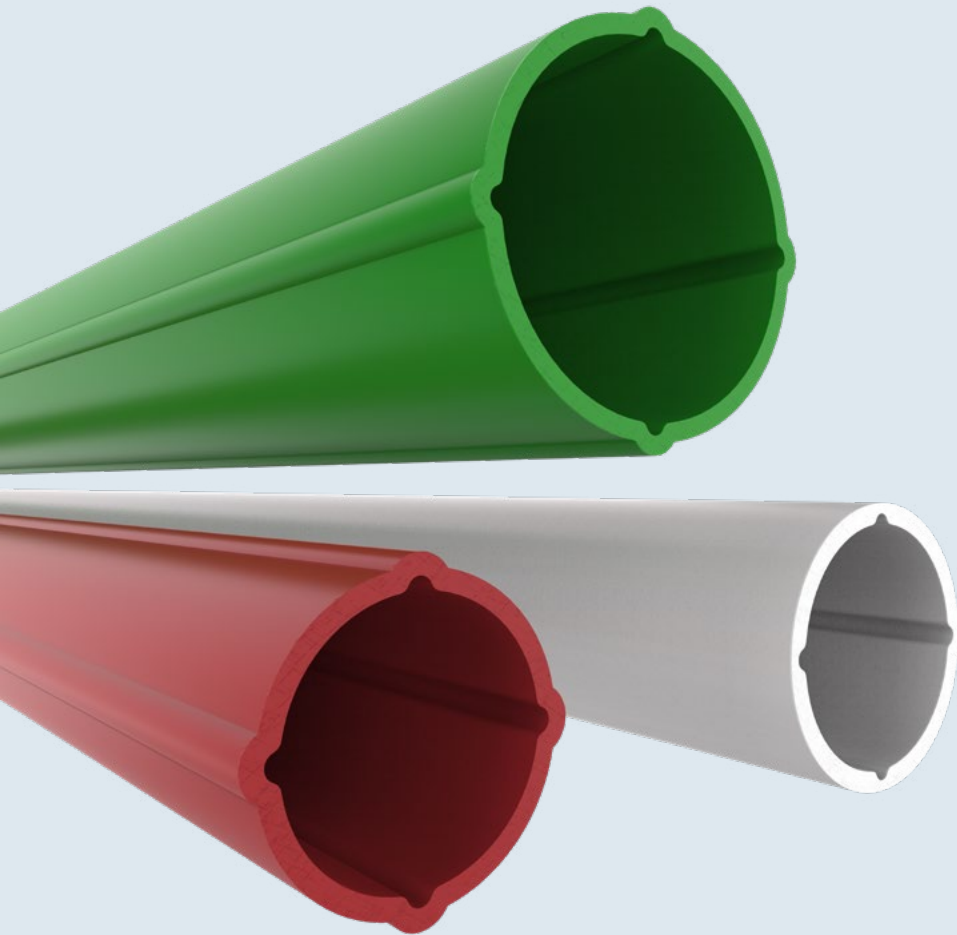


# INT

## Inclinometer casing



### Description

ABS and PVC inclinometer casings are used as a driving tube for the inclinometric system IN910 and for the fixed depth inclinometer model IN930, which allow to monitor sliding movements of dams, embankments, and all retaining structures.

It is necessary to make particular attention to the installation of the casing, and the gluing of the couplings to the tube using the special glue provided by SIM.

Once the mounting stage is ended, it is necessary to fill the annular space (i.e. the space between the external casing and the borehole wall) with cement grout or gravel pack, to ensure a perfect tight seal to the surrounding soil.

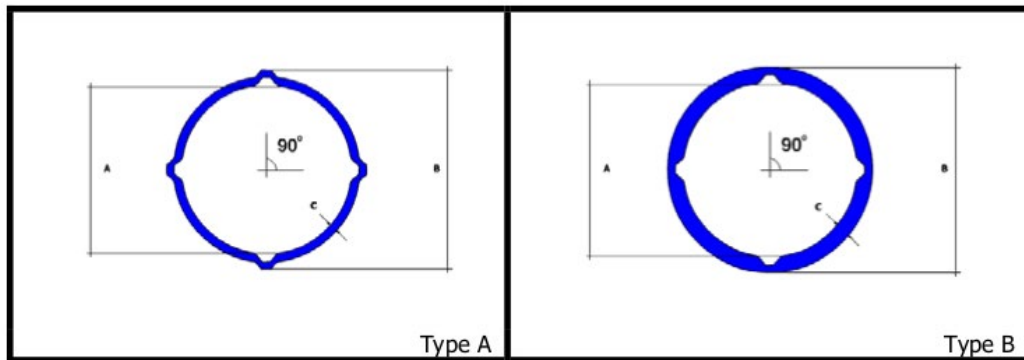
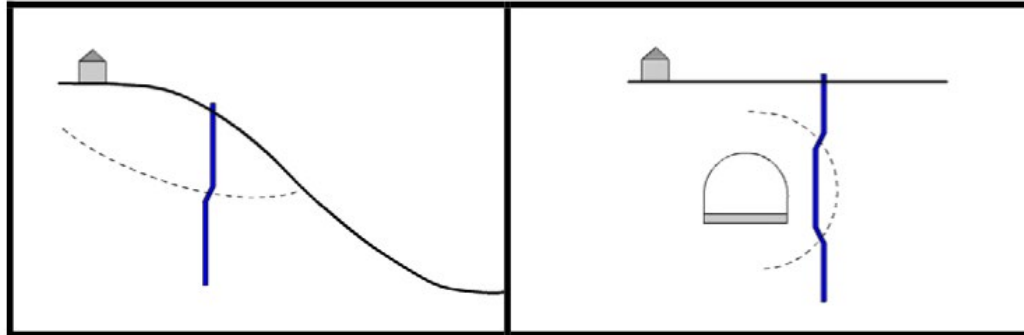
The upper end of the casing must be fully protected to avoid damage and to allow several subsequent measurements.

### Applications

Used in landslide, excavations, embankments, piles, load test etc.



# INT Inclinometer casing



## Technical features

Model - Type A	INT-A2	INT-A3
Nominal diameter	2"	3"
Length	3 mt	
A (Internal diameter)	47 ± 0.7 mm	74 ± 1.0 mm
B (External diameter)	60 ± 0.5 mm	87 ± 0.7 mm
C (Grooves diameter)	54 ± 0.5 mm	80 ± 0.6 mm
Linear weight	625 g ± 5%	1050 g ± 5%
Groove spiral	-	0.3° / 3 mt

Material	ABS Shock-Resistant	
	Density	ASTM D1505: 1.0 ± 0.1 g/cm <sup>3</sup>
	Tensile properties	ASTM D638
	Tensile Strength	≥ 40 MPa
Connection socket	Length	120 ± 2.0 mm
	External diameter	66 ± 0.5 mm

Model - Type B	INT-B57-A	INT-B60-A	INT-B57-P	INT-B60-P
Nominal diameter	57/70 mm	60/70 mm	57/70 mm	60/70 mm
Material	ABS Shock-Resistant		PVC rigid Shock-Resistant	
	Density	1.0 ± 0.1 g/cm <sup>3</sup>	1.5 ± 0.1 g/cm <sup>3</sup>	
	Tensile Strength	40 MPa	30 MPa	
	Breaking Elongation	20%	50%	
Elastic Modulus	2700 MPa			

Length	3 mt			
A (Internal diameter)	57 mm	60 mm	57 mm	60 mm
B (External diameter)	70 mm	70 mm	70 mm	70 mm
C (Grooves diameter)	61 mm	64 mm	61 mm	64 mm
Weight	1350 g/m	970 g/m	1850 g/m	1360 g/m
Grooves	4 every 90°			
Collapse pressure (20°C)	20 bar	7 bar	25 bar	13 bar
	Material	-	ABS	-
Connection socket	Length	-	105 mm	-
	External diameter	-	76 mm	-

## Accessories

<b>Mounting kit</b>	<b>INT-AX-KT01</b>
<b>Injection tube</b>	<b>INT-AX-TB01</b>
<b>Lockable top cap</b>	<b>INT-AX-ME01</b>
<b>Head cap Type A 2"</b>	<b>INT-A2-AX-HCP</b>
<b>Bottom cap Type A 2"</b>	<b>INT-A2-AX-BCP</b>
<b>Head cap Type A 3"</b>	<b>INT-A3-AX-HCP</b>
<b>Bottom cap Type A 3"</b>	<b>INT-A3-AX-BCP</b>
<b>Head cap Type B</b>	<b>INT-B-AX-HCP</b>
<b>Bottom cap Type B</b>	<b>INT-B-AX-BCP</b>

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