

# Inclination measuring tubes

ABS 50, ABS 74, PVC 60, ALU 48



## Application ranges ABS 50

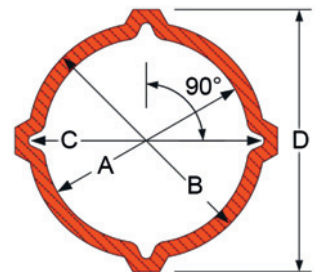
- For long-dated measuring tasks
- Standard instrumentation up to approx. 50 m deepening
- On account of the smaller internal stability, more suitable for recording of smaller local deformations.

## Accessories

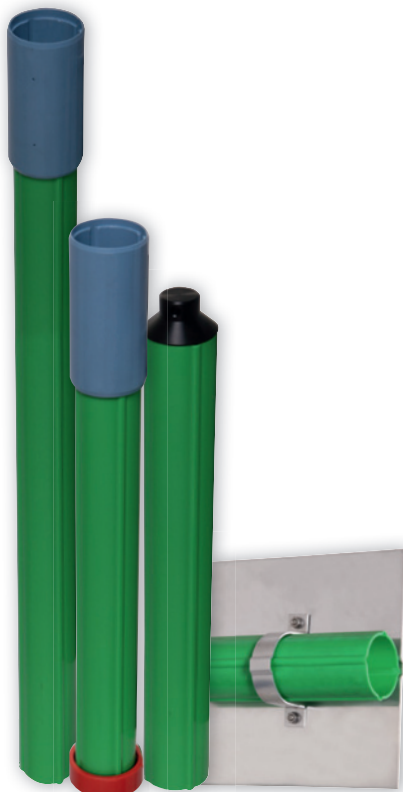
- Assembly accessories
- End caps
- Centering piece
- Setting plate
- Distance piece for wall assembly

## Technical Data

Material:	ABS
Length of each tube:	3 m
Outer diameter tube:	55 mm
Inner diameter tube:	47 mm
Length of coupling:	300 mm
Outer diameter of coupling:	67 mm
Weight tube:	1.8 kg
Weight coupling:	0.3 kg



Type	A	B	C	D
2"	47 mm	55 mm	54 mm	60 mm



## Application ranges ABS 74

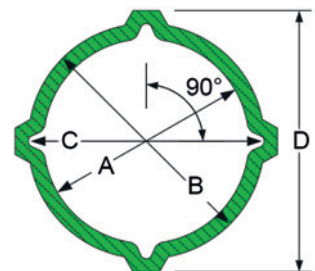
- The large inner diameter enables the passage of the probe, even in case of more deformed tubes.
- This grooved tube is mainly used for the horizontal installation for settlement control with the horizontal inclination probe, e.g. in dam backfills.

## Accessories

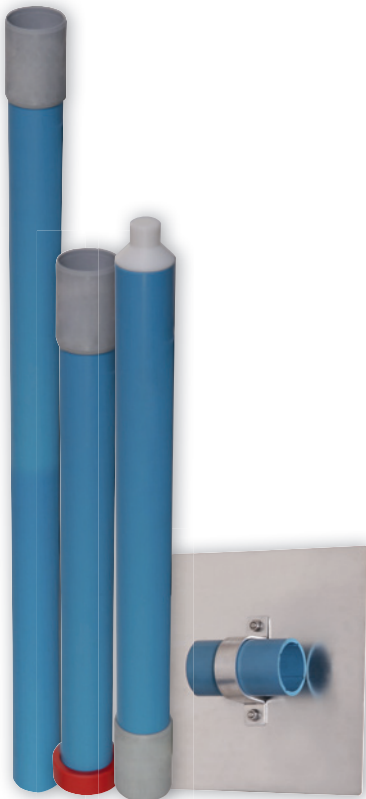
- Assembly accessories
- End caps
- Centering piece
- Settlement plate

## Technical Data

Material:	ABS
Length of each tube:	3 m
Outer diameter tube:	82 mm
Inner diameter tube:	74 mm
Length of coupling:	195 mm
Outer diameter of coupling:	94 mm
Weight tube:	3.2 kg
Weight coupling:	0.3 kg



Type	A	B	C	D
3"	74 mm	82 mm	80 mm	87 mm



#### Application ranges PVC 60

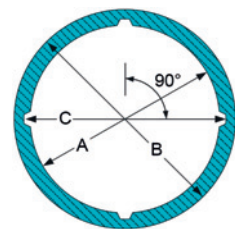
- The larger inner diameter enables a better passage of the probe in the deformed tube.
- The integrated adhesive coupling ensures a simple assembly.
- The rigid tube with a wall thickness of 5 mm can be used for the preparation of horizontal and vertical inclination measuring levels.
- Pressurized watertight model

#### Accessories

- Assembly accessories
- End caps
- Centering piece
- Setting plate

#### Technical Data

Material:	PVC
Length of each tube:	3 m
Outer diameter tube:	70 mm
Inner diameter tube:	60 mm
Length of coupling:	105 mm
Outer diameter of coupling:	76 mm
Length reinforced coupling:	300 mm
Outer diameter of reinforced coupling:	80 mm
Weight tube:	3.3 kg
Weight coupling:	0.1 kg or reinforced 0.3 kg



Type	A	B	C
2,75"	60 mm	70 mm	65 mm



#### Application ranges ALU 48

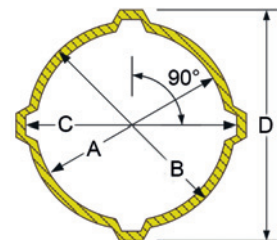
- For short-dated measuring tasks and high accuracy
- Slope slumps: By high internal stability, smaller localized deformations can be expected.
- Pile tests: Resistant at installation; the surface treatment ensures a precise probe guidance.
- Borehole installation, for larger depths, small torsion by internal rigidity (e.g.  $\pm 5^\circ/30$  m)
- Special instrumentation, ambient temperature  $> 50^\circ$
- Outdoor assembly at walls, elements a. s. o.
- Restriction: Sensitive to corrosion

#### Accessories:

- Assembly accessories
- End caps
- Centering piece
- Setting plate

#### Technical Data

Material:	Aluminium
Length of each tube:	3 m
Outer diameter tube:	53 mm
Inner diameter tube:	49 mm
Length of coupling:	300 mm
Outer diameter of coupling:	68 mm
Weight tube:	2.4 kg
Weight coupling:	0.3 kg



Type	A	B	C	D
2"	49 mm	53 mm	54 mm	58 mm