



QUICK JOINT (QJ) INCLINOMETER TUBE

Sisgeo QJ tube is an alternative to the traditional inclinometer casings, mainly designed for earth-fill dams and deep borehole applications.

— QJ tube offers simple and fast installation, consistent joint and deeper tube grooves. O-rings prevent ingress of grout or water.

— The fitted-at-factory casings and the alignment keys assure a perfect grooves continuity.

— Telescopic section and a variety of settlement rings for either borehole and embankment installations permit to combine inclinometer and settlement measurements in one borehole.

Simple assembling, no rivets, tape or glue required

Just align, push together and the joint is done

Very strong. Suitable for extreme installation

High precise and deeper tube grooves

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ACCESSORIES AND COMPONENTS

OS100CH1000	Inclinometer lockable top cap	Lockable protective cap with point to assist in topographical surveying to define and check position of borehole. It also provides temporary fixing for S1CSU10000 pulley during inclinometer measurements
OS151TS7000	ABS quick joint top cap	Simple cap to prevent tube clogging with topographic survey point
OS151TF7000	ABS quick joint bottom cap	Bottom cap with femal quick joint
OS151AM8000	Magnet ring	Fixed externally to the tube and grouted into the borehole, the ring will allow settlement to be determined. ID 83mm, OD 105mm
OS151AF8000	Spider magnet ring	Magnet ring with springs for borehole installation. Ring ID 83mm, ring OD 105mm, max spring span 300mm
OS151AR8000	Embankment magnet ring	Magnet ring with 300mm OD plate for embankment installation. Ring ID 83mm, ring OD 105mm, plate OD 300mm
OS151KIT000	Spare kit for quick joint tube	This kit includes No.10 "O" rings and No.10 locking rings
OS151KITR00	Repairing kit for quick joint tube	This kit includes No.5 female joints, No.5 male joints, No.7 "O" rings and No.7 locking rings

TECHNICAL SPECIFICATIONS

QJ TUBE	OS151107000	OS151MT0700
Description	Standard QJ section	QJ Telescopic section 75mm gap (3")
Overall section length	3100 mm	600 mm
Overall diameter	84 mm	84 mm
Tube outer diameter	70 mm	70 mm
Tube inner diameter	59 mm	59 mm
Tube groove ID	62.5 mm	62.5 mm
Thickness	5.5 mm	5.5 mm
Colour	white/red	white/red

QJ tube technical features

Spiral	<0.6°/3m
Max working load (1)	>500Kg
Collapse pressure (2)	15 bar
Temperature range	-20°C +80°C

(1) Pulling test is performed on a two QJ tube sections jointed together under a thrusting machine.

(2) Collapse test is performed in a water chamber with empty tube sealed at two ends.

ADVANTAGES OF QJ TUBE

The main advantages of Sisgeo QJ tube are:

- Simple assembling, no rivets, tape or glue required. Just align, push together and the joint is done.
- Fast installation reducing costs and drilling-rig stand-by.
- High precise deeper tube grooves guarantee perfect alignment and accurate measurements.
- Strong and consistent joint specially designed for application in dam filling.
- Watertight. O-ring prevents ingress of grout or water.
- Telescopic sections permit easy connection: just align and push two sections together.

