



The Standard Penetration Test (SPT) is used to measure the resistance of soil and weak rock to dynamic penetration, and to recover disturbed samples for identification. In coarse soils or soft rock, a solid cone (SPT(C)) may be used instead of a sampler.

SPT Components

Split Tube Assembly:

Manufactured to BS EN ISO 22476-3, the assembly includes a top adaptor with a ball valve, a pair of split spoons, and a case-hardened cutting shoe. Standard size: 2" (50.8 mm) OD × 1 3/8" (34.9 mm) ID × 24" (610 mm) length. Optional stainless-steel liners or full stainless construction available on request.

Solid Cone (SPT(C)):

Available in 60° solid nose or 2 ft solid cone for testing in gravelly soils or soft rock where sample recovery is impractical. SPT Drive Rods: High tensile 54 mm OD tubular rods with shrink-welded 1 1/2" BSW male and female tool joints. Stronger and stiffer than BW rods (BS 4019), yet lightweight (8.8 kg/m). Available in lengths of 3.0 m, 1.5 m, 1.0 m, and 0.75 m.

APPLICATIONS

- Geotechnical investigation
- Environmental investigation
- Foundation engineering

FEATURES

- Provides continuous penetration profile of ground strength
- Meets BS EN 1997-2:2007 (Eurocode 7)
- Meets BS 5930:2015 Code of Practice for Ground Investigations

