

**Product Name :**  
Standard Penetration Test

**Product Code :**  
ENGLABINGCAG400009



**Description :**

Standard Penetration Test

**Technical Specification :**

The sampler is made from a steel tube split length wise and held together by a head fitted with a ball check valve and a hardened steel shoe in size cutting edge of 35 mm dia.

The sampler is 35 mm i.d. and 50.8mm in outer dia and 508mm long.

Consist of three metal pipe legs approximately 5 mtr. long connected by a tie bolt.

Each leg is made up of two parts for ease of transportation complete with one pulley one leg has building ladder.

Standard Penetration Test is a powerful tool for measuring the penetration resistance of the ground and for relating it to the degree of compactness of cohesion less soil and consistency of cohesive soil.

The results can be used for design of foundations.

SPT is widely used for measuring the undisturbed strength of the soil and for assessing its resistance to liquefaction due to ground vibrations caused by earthquakes or other dynamic forces.

The Standard Penetration Resistance is measured as the number of blows 'N' required to drive a split spoon sampler to a depth of 300 mm using a 65 kg weight falling freely through a height of 750 mm.

One adopter to connect 'A' type drill rods is also supplied.

This can be used in drilling operations to increase the footage and improve jab safety.

Spares :

Body of split spoon sampler, shoe of split spoon sampler, head of split spoon sampler.

Standards: As Per IS 2131, IS 9640



# Engineering Lab Equipment India