



SOIL SAMPLERS

Soil Samplers required for collection of undisturbed soil samples from a natural soil formation or fill are useful only when disturbance in soil structure is as little as possible. Although it is difficult to get a truly undisturbed soil sample an area ratio of 10% or less, which depends upon the thickness of sampler, is preferable for thin walled sampler of 100 mm or 150 mm diameter.

The samplers supplied conform to IS : 2132 and are provided with suitable holes or threads in the upper portion for securing the samplers to the sampling heads.

Open Drive Thin Walled Samplers

These samplers are machined from cold drawn steel or brass tubes of adequate size and satisfy the requirements of the IS : 2132 sampling tubes are supplied in various sizes as detailed below :-

HS34.40.1 Sampling tube (steel) 38 mm diameter x 150 mm long.

HS34.40.2 Sampling tube (steel) 38 mm diameter x 200 mm long.

HS34.40.3 Sampling tube (steel) 38 mm diameter x 300 mm long.

HS34.40.4 Sampling tube (steel) 38 mm dia x 450 mm long.

HS34.41.1 Sampling tube (Brass) 38mm diameter x 150 mm long.

HS34.41.2 Sampling tube (Brass) 38mm diameter x 200 mm long.

HS34.41.3 Sampling tube (Brass) 38mm diameter x 300 mm long.

HS34.41.4 Sampling tube (Brass) 38mm

diameter x 450 mm long.

HS34.45.1 Sampling tube (steel) 50 mm diameter x 300 mm long.

HS34.45.2 Sampling tube (steel) 50 mm diameter x 450 mm long.

HS34.50.1 Sampling tube (steel) 70 mm diameter x 300 mm long.

HS34.50.2 Sampling tube (steel) 70 mm diameter x 450 mm long.

HS34.53.1 Sampling tube (steel) 100 mm diameter x 450 mm long.

●● HS34.55

Sampling Kit, For 100 mm sampler

It is a portable kit designed for field used to collect 100 mm diameter undisturbed samples at different depths. It comprises the following :-

- 1 HS34.20 auger outfit, 150 mm diameter, complete with one meter long extension rod, T-piece and handle.
- 2 1 Meter long extension rods - 5 Nos.

Samplers with cutting shoe (Area Ratio 15 to 20%)

For collecting undisturbed samples, these can be used with HS34.55 sampling kit. Length of the sampler is 450 mm and each sampler is supplied with two end caps cutting shoe, driving head had three C-spanners.

HS34.56 Sampler 50 mm diameter x 450 mm long.

HS34.57 Sampler 70 mm diameter x 450 mm long.

HS34.58 Sampler 100 mm diameter x 450 mm long.

Note : Spare sampler tubes, cutting shoes, driving heads and caps for all sizes of the samplers can be supplied on order.