

## EXTRACTION & SAMPLE PREPARATION

Extraction of undisturbed soil samples from sampling tubes of various diameters, with least disturbance depends upon the equipment used. Preparation of samples of required dimensions for a particular test without causing any disturbance is of great significance. Extruders of various types are detailed below.

### ●● HS16.05

#### Hydraulic Extruder

Suitable to extract samples from compaction moulds and C.B.R. moulds. It consist of a frame, and a 50 kN hydraulic jack having plungers of 100 mm dia and 150 mm dia complete with thrust plates.



HS16.05

### ●● HS16.06

#### Hydraulic Extruder, Hand Operated

Universal Extractor Frame, hand operated complete with hydraulic pump, direction control valve and hydraulic jack to extract sample of 60 cm length in single stroke. All the components are enclosed in an elegant looking cabinet. Unit is complete with :-

- i) Thrust plates for 38, 50, 75, 100, 150 mm diameter.
- ii) Adopters for 38, 50, 75, 100, 150 mm diameter.

### ●● HS16.07

#### Hydraulic Extruder (Motorised)

This Hydraulic Extractor Frame is a motorised unit complete with, Hydraulic Jack with stroke of 600 mm and thrust force of 9000 kgf. It has a control valve for the control of direction of movement of the piston (Ram) and a relief valve to limit the load between 9000 kgf and 10000 kgf.

Following adopter plates and adopters for different size of tubes are supplied with the unit.

#### Metric Size

Adopter plates for 38, 50, 75, 100, 150 mm tubes. Adopter for 38, 50, 75, 100, 150 mm tubes.

Wired for 220 volts, 50 Hz supply.



HS16.07

#### ACCESSORIES:

for HS16.06 & HS16.07

- i) Attachment for extraction of 3 samples of 38 mm (1.5 inches) from core cutter

of 100 mm (4 inches)

- ii) Attachment for extraction of 7 samples of 38 mm (1.5 inches) dia from a mould of 150 mm (6 inch) dia.

### ●● HS16.15

#### Soil Extruder, Rack Type

Designed for extraction of soil samples from 38 mm dia thin wall sampling tubes on a horizontal position, rack and pinion device. Fitted with a wire trimmer and a split mould mounting bracket.

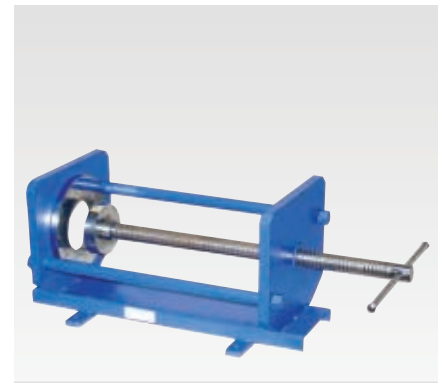


HS16.15

### ●● HS16.20

#### Soil extruder, Screw Type

Same as HS16.15 but for sampling tubes of 50 mm dia.



HS16.20