

**VERTEX SCIENTIFIC & LAB INSTRUMENTS CO.**

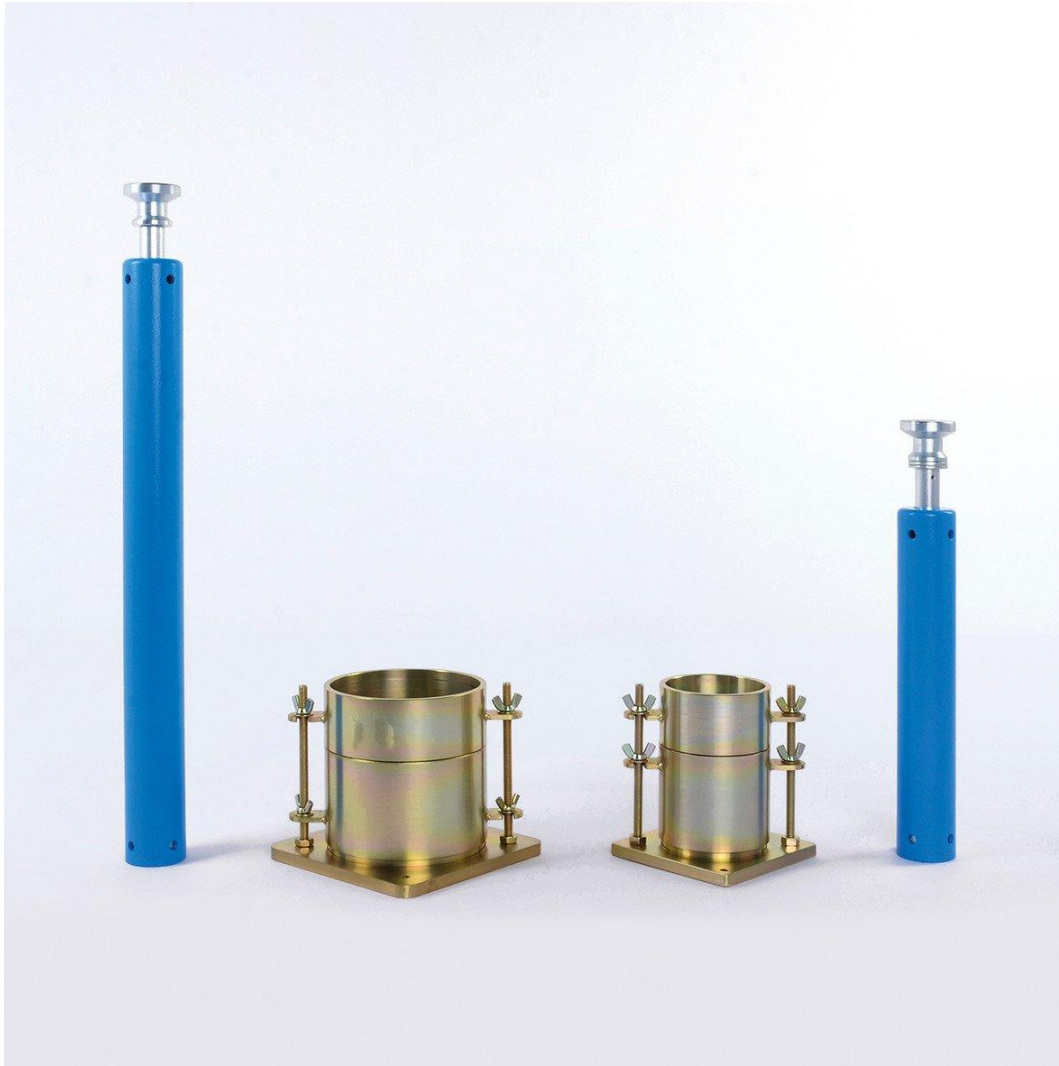
(Regd.) : 38/A, Street No.3 Ambedkar Nagar, Haider Pur, Delhi-110088(India)

(Corp.): A223, Ground Floor, Near by Bank of Baroda ATM, Karam Pura Delhi-110015

(Tel.) +91-9999 5737 81 / +91-9999 5737 85 (Email) info@vertexinstruments.com

(Web) www.vertexinstruments.com / www.vertexscientific.com / www.soiltestinginstrument.com

**PROCTOR COMPACTION APPARATUS**



**VSLIC-S206**

Soil compaction is a fundamental requirement for the construction of earth fill for dams, reservoirs, canal embankments, highways, railways and runways. The relationship between soil moisture content and compacted to the density is very useful for deciding construction specification and quality control of compacted earth fill. While designing a soil retaining structure, the strength and deformation behavior of soil is evaluated by testing soil specimen compacted to the density of compacted soil achieved in the field, thereby checking its strength.



Ref. Standards IS: 2720 (PART VIII), IS 10074, IS: 3820, IS: 10298, IS: 21174, BS: 2477, ASTM D 808, D 2657

### **Purpose:**

Standard Compaction Mould and Rammer are used for figuring out the connection between the moisture content material and density of compacted soil. Used for determining the relationship between the moisture content and density of compacted soil. This equipment making by Made from plated metal, consists of a collar, mould physique, and base plate and Rammers are used to compact the soil pattern within the Proctor Moulds and fabricated from plated metal. Completely different models are available conforming to the related requirements.

### **Construction Details of Standard Proctor Mould:**

- The moulds include collar, mould body and base plate.
- It will be made of Mild steel having capacity of 2250 cm<sup>3</sup>
- The mould will be fitted with a detachable base plate and removable extension collar.
- The internal surface of the mould will be smooth.
- Complete with our own test certificate.
- Internal diameter of mould : 150 ± 0.1 mm
- Internal effective height : 127.3 ± 0.1 mm
- Effective weight of mould : 07 kg
- Volume : 2250 cm<sup>3</sup>

### **Construction Details of Standard Rammer:**

- The rammers are provided with guide sleeve with vent holes.
- It is made of Metal which is chrome plated
- The rammer will be equipped with a suitable arrangement for controlling the drop to the IS : 2720 specified height.
- Rammer diameter : 50 mm
- Rammer weight : 4.9 kg
- Free fall height : 450 mm



## **VERTEX SCIENTIFIC & LAB INSTRUMENTS CO.**

(Regd.) : 38/A, Street No.3 Ambedkar Nagar, Haider Pur, Delhi-110088(India)

(Corp.): A223, Ground Floor, Near by Bank of Baroda ATM, Karam Pura Delhi-110015

(Tel.) +91-9999 5737 81 / +91-9999 5737 85 (Email) info@vertexinstruments.com

(Web) www.vertexinstruments.com / www.vertexscientific.com / www.soiltestinginstrument.com

- Complete with our own test certificate

**As Per BS 1377:4, BS 1924:2**

**(Standard Proctor Test Apparatus 6Inch )**

### **Construction Details of Modified Proctor Mould**

- The moulds include collar, mould body and base plate.
- It will be made of Mild steel having capacity of 944 cm<sup>3</sup>
- The mould will be fitted with a detachable base plate and removable extension collar.
- The internal surface of the mould will be smooth.
- Complete with our own test certificate.
- Internal diameter of mould :  $152 \pm 0.5$  mm
- Internal effective height :  $127 \pm 1$  mm
- Effective weight of mould : 09 kg
- Volume : 2300 cm<sup>3</sup>

### **Construction Details of Modified Rammer**

- The rammers are provided with guide sleeve with vent holes.
- It is made of Metal which is chrome plated
- The rammer will be equipped with a suitable arrangement for controlling the drop to the ASTM specified height.
- Rammer diameter :  $50 \pm 0.5$  mm
- Rammer weight : 4.5 kg
- Free fall height :  $450 \pm 4$  mm
- Complete with our own test certificate

**As Per BS 1377:4, BS 1924:2**

**(Standard Proctor Test Apparatus 4Inch )**





## VERTEX SCIENTIFIC & LAB INSTRUMENTS CO.

(Regd.) : 38/A, Street No.3 Ambedkar Nagar, Haider Pur, Delhi-110088(India)

(Corp.): A223, Ground Floor, Near by Bank of Baroda ATM, Karam Pura Delhi-110015

(Tel.) +91-9999 5737 81 / +91-9999 5737 85 (Email) info@vertexinstruments.com

(Web) www.vertexinstruments.com / www.vertexscientific.com / www.soiltestinginstrument.com

### Construction Details of Standard Proctor Mould :

- The moulds include collar, mould body and base plate.
- It will be made of Mild steel having capacity of 944 cm<sup>3</sup>
- The mould will be fitted with a detachable base plate and removable extension collar.
- The internal surface of the mould will be smooth.
- Complete with our own test certificate.
- Internal diameter of mould : 105 ± 0.5 mm
- Internal effective height : 115.5 ± 0.5 mm
- Effective weight of mould : 07 kg
- Volume : 1000 cm<sup>3</sup>

### Construction Details of Standard Rammer:

- The rammers are provided with guide sleeve with vent holes.
- It is made of Metal which is chrome plated
- The rammer will be equipped with a suitable arrangement for controlling the drop to the ASTM specified height.
- Rammer diameter : 50 ± 0.5 mm
- Rammer weight : 2.5 kg
- Free fall height : 300 ± 3 mm
- Complete with our own test certificate

As Per ASTM D1557, ASTM D558, ASTM D698, AASHTO T99, AASHTO T134, AASHTO T180

(Standard Proctor Test Apparatus 6Inch)

### Construction Details of Standard Proctor Mould

- The moulds include collar, mould body and base plate.
- It will be made of Mild steel having capacity of 944 cm<sup>3</sup>
- The mould will be fitted with a detachable base plate and removable extension collar.



## VERTEX SCIENTIFIC & LAB INSTRUMENTS CO.

(Regd.) : 38/A, Street No.3 Ambedkar Nagar, Haider Pur, Delhi-110088(India)

(Corp.): A223, Ground Floor, Near by Bank of Baroda ATM, Karam Pura Delhi-110015

(Tel.) +91-9999 5737 81 / +91-9999 5737 85 (Email) info@vertexinstruments.com

(Web) www.vertexinstruments.com / www.vertexscientific.com / www.soiltestinginstrument.com

- The internal surface of the mould will be smooth.
- Complete with our own test certificate.
- Internal diameter of mould :  $101.6 \pm 0.1$  mm
- Internal effective height :  $116.4 \pm 0.1$  mm
- Effective weight of mould : 07 kg
- Volume : 944 cm<sup>3</sup>

### Construction Details of Standard Rammer

- The rammers are provided with guide sleeve with vent holes.
- It is made of Metal which is chrome plated
- The rammer will be equipped with a suitable arrangement for controlling the drop to the ASTM specified height.
- Rammer diameter : 50.8 mm
- Rammer weight : 2.49 kg
- Free fall height : 305 mm
- Complete with our own test certificate

As Per ASTM D1557, ASTM D558, ASTM D698, AASHTO T99, AASHTO T134, AASHTO T180

(Standard Proctor Test Apparatus 4Inch)

### Construction Details of Modified Proctor Mould

- The moulds include collar, mould body and base plate.
- It will be made of Mild steel having capacity of 2124 cm<sup>3</sup>
- The mould will be fitted with a detachable base plate and removable extension collar.
- The internal surface of the mould will be smooth.
- Complete with our own test certificate.
- Internal diameter of mould :  $152.4 \pm 0.1$  mm
- Internal effective height :  $116.4 \pm 0.1$  mm



## VERTEX SCIENTIFIC & LAB INSTRUMENTS CO.

(Regd.) : 38/A, Street No.3 Ambedkar Nagar, Haider Pur, Delhi-110088(India)

(Corp.): A223, Ground Floor, Near by Bank of Baroda ATM, Karam Pura Delhi-110015

(Tel.) +91-9999 5737 81 / +91-9999 5737 85 (Email) info@vertexinstruments.com

(Web) www.vertexinstruments.com / www.vertexscientific.com / www.soiltestinginstrument.com

- Effective weight of mould : 09 kg
- Volume : 2124 cm<sup>3</sup>

### Construction Details of Modified Rammer

- The rammers are provided with guide sleeve with vent holes.
- It is made of Metal which is chrome plated
- The rammer will be equipped with a suitable arrangement for controlling the drop to the ASTM specified height.
- Rammer diameter : 50.8 mm
- Rammer weight : 4.54 kg
- Free fall height : 457.2 mm
- Complete with our own test certificate

