

IMPACT
IMPACT
IMPACT

**Compactability Apparatus
AG100**

Impact Test Equipment Ltd
www.impact-test.co.uk & www.impact-test.com

User Guide
User Guide
User Guide

**Impact Test Equipment Ltd.
Building 21 Stevenston Ind. Est.
Stevenston
Ayrshire
KA20 3LR**

T: 01294 602626

F: 01294 461168

E: sales@impact-test.co.uk

Test Equipment Web Site

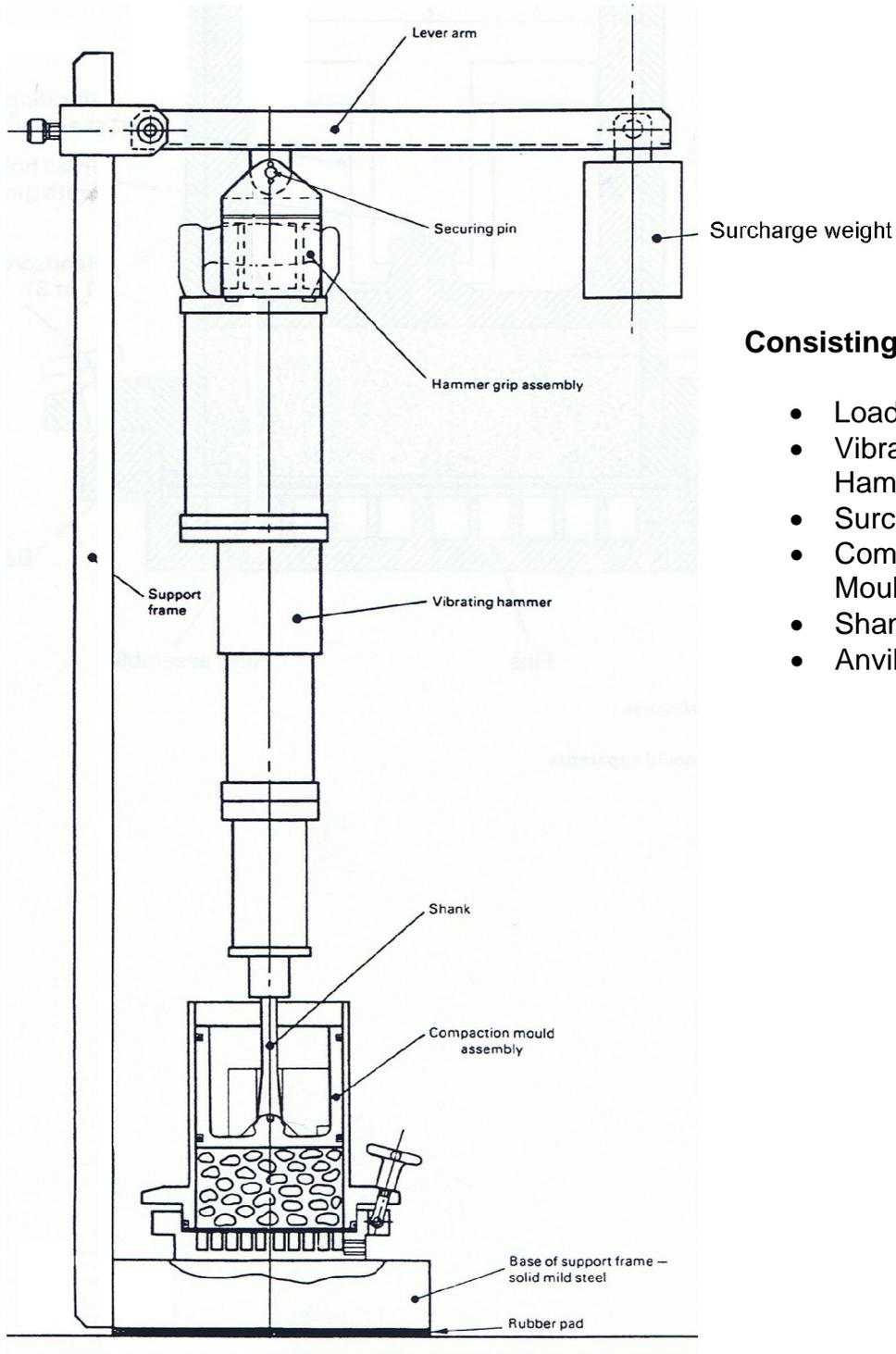
www.impact-test.co.uk

Test Sieves & Accessories Web Site

www.impact-test.com

Compactability Apparatus

Consisting of a special compaction mould and anvil, with a vibrating hammer fitted to a load frame with surcharge weight, operating on a 240V supply. The Compactability Apparatus ensures that the correct downward pressure is applied to the sample during the test.



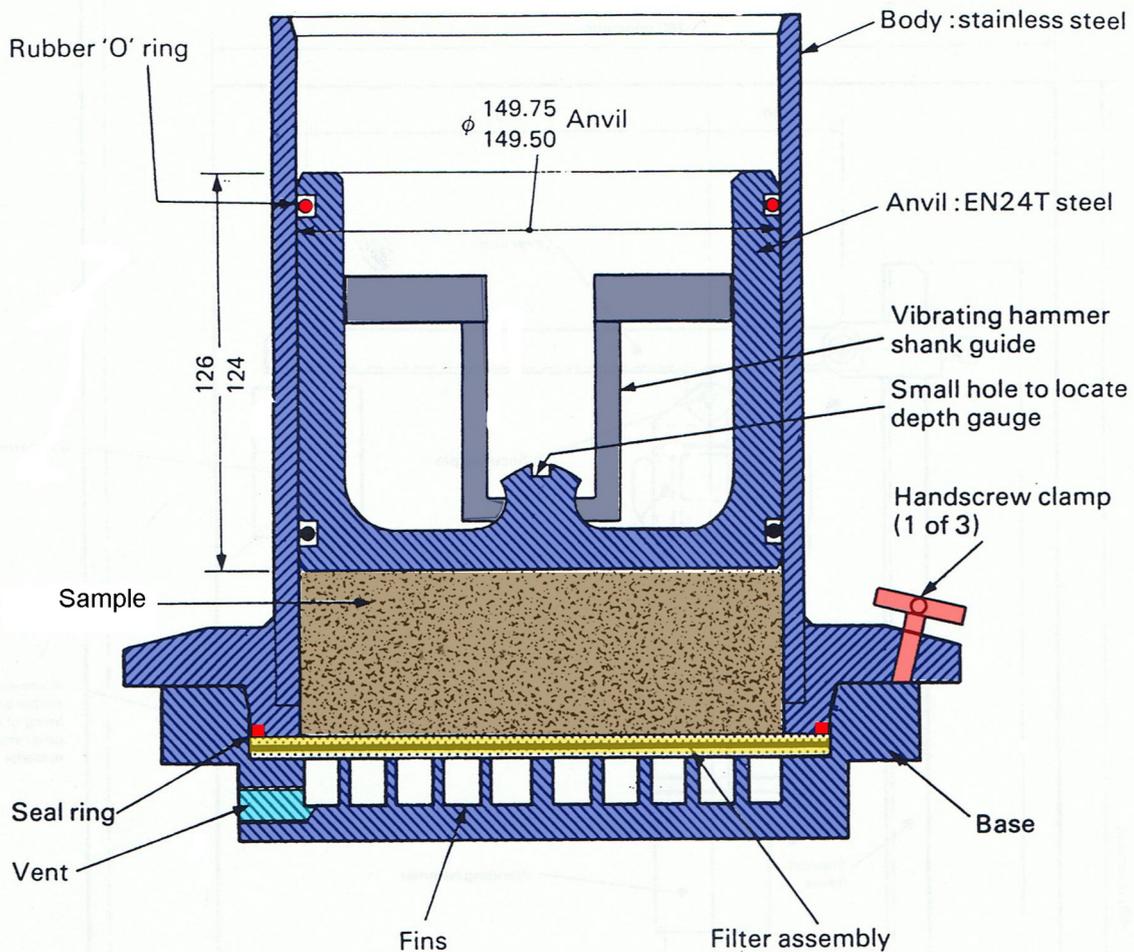
Consisting of:

- Load Frame
- Vibrating Hammer
- Surcharge Weight
- Compaction Mould
- Shank
- Anvil

Before the test, ensure that the compaction mould is clean and dry. Assemble the mould base, body, filter plates & fibre filter and tighten the handscrew clamps to full tightness.

Lay 2 filter papers flat on the bottom of the mould and insert the anvil into the mould so that it touches the upper filter paper. Apply the vibrating hammer to the anvil to ensure that it is properly bedded and measure the distance between the bottom of the small hole in the anvil and the top of the mould as per the standard.

Reassemble the mould parts as before but with one filter paper flat on the bottom of the mould. Insert the sample into the mould to form a single layer with minimum segregation. Level off the top of the loose portion and cover with a filter paper. Insert the anvil into the mould, touching the upper filter paper.



Locate the entire mould assembly in the loading frame and place the vibrating hammer into position. Apply the surcharge load on the end of the lever arm. Switch the vibrating hammer on and operate for 180 ± 5 seconds to compact the sample.

After compaction, remove the vibrating hammer from both the mould and the frame, ensuring that the anvil is not disturbed before the depth measurement is taken.

Carefully measure the distance between the bottom of the small hole in the anvil and the top of the mould.

Remove the compacted sample from the mould, discard the filter papers, measure and dry the sample in accordance with the standard.