

LIQUID LIMIT DEVICE

Casagrande Method

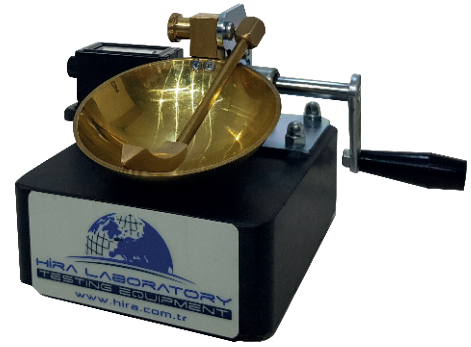
STANDARDS: BS 1377:2, ASTM D4318, AASHTO T89

Used to evaluate the relationship between the moisture percentage of a soil sample and the number of blows required to close a groove made into the soil; and therefore to determine when a clay soil changes from a plastic to a liquid state.

The device is available in two models:

- Hand operated,
- Motor operated at 120 drops/min speed, ensuring better uniformity and accuracy.

Comprises a removable brass cup, adjustable crank and cam mechanism, blow counter and base. Supplied with Brass grooving tool.



HR-S6585

Resilience Tester is used for measuring the resilience of liquid limit device bases. Resilience Tester consists of a clear acrylic plastic tube, steel ball and a small bar magnet. Resilience Tester should be ordered separately.

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)	Power Supply
HR-S6580	Liquid Limit Device, Hand operated, BS	25x25x15	2	---
HR-S6585	Liquid Limit Device, Hand operated, ASTM	25x25x15	2	---
HR-S6590	Liquid Limit Device, Motor operated, BS	25x30x20	4	220 V, 50-60 Hz, 1 ph
HR-S6595	Liquid Limit Device, Motor operated, ASTM	25x30x20	4	220 V, 50-60 Hz, 1 ph

Spare Parts & Accessories:

Product Code	Product Name
HR-S6585/1	Brass Grooving Tool, ASTM
HR-S6585/2	Plastic Grooving Tool, ASTM
HR-S6585/3	Plastic Grooving Tool, BS
HR-S6585/4	Spare Brass Cup
HR-S6585/5	Resilience Tester, ASTM
HR-S6585/6	Steel Ball, ASTM
HR-S6585/7	Resilience Tester, TS 1900-1, AASHTO
HR-S6585/8	Steel Ball, TS 1900-1, AASHTO



HR-S6585/5

SHRINKAGE LIMIT TEST SET

STANDARDS: ASTM D427, AASHTO T92, BS 1377:2

Used to determine the maximum moisture content at which the soil does not shrink after drying the sample.

Supplied with 2 pieces Ø45 x 10 mm Moisture Content Tin, Ø55 x 35 mm Moisture Content Tin, Shrinkage Plate with three Metal Prongs, Ø120 mm Porcelain Dish, 150 mm Spatula, 25 ml Graduated Glass Cylinder and Carrying Case.

Technical Specifications:

Product Code	Product Name	Dimensions (cm)	Weight (kg)
HR-S6550	Shrinkage Limit Test Set	35x30x8	2

Spare Parts & Accessories:

Product Code	Product Name	Dimensions (mm)	Weight (kg)
HR-S6550/1	Shrinkage Plate	---	---
HR-G0611	Moisture content tin	Ø 45 x 10	0,02
HR-G0610	Moisture content tin	Ø 55 x 35	0,02
HR-G0369	Porcelain Dish	Ø 120	0,25
HR-G0701	Spatula, 150 mm	40x40x150	0,2
HR-G0021	Graduated Glass Cylinder, 25 ml	20x20x150	0,1
HR-S6550/2	Carrying Case	225x72x220	0,75



HR-S6550