

**TS 720****SLAKE DURABILITY APPARATUS**

This apparatus assists in the evaluation of the resistance of rocks to disintegration when subjected to different drying and water-immersion cycles.

The test consists in oven-drying a number of pieces of the material and then subjecting them to wear inside a drum rotating in water.

This procedure will be repeated two or more times; the disintegration index is determined by the percentage loss in weight that the sample undergoes.

The methodology referred to for the design of this apparatus is that recommended by the International Society for Rock Mechanics which prescribes a 140 mm dia. drum 100 mm long, made of square metal mesh (2 mm), revolving at 20 rpm; the water level is 20 mm below the rotation axis.

TS 720 consists of a pair of drums driven by a gear reduction unit, two Perspex tanks and a base; the electric system is fitted with a programmable timer for automatic stop at the end of the test cycle.

Waterproofed quick-release drive mechanisms allow the removal of drums and tanks; all elements in contact with water are made of corrosion resistant material (stainless steel, bronze).

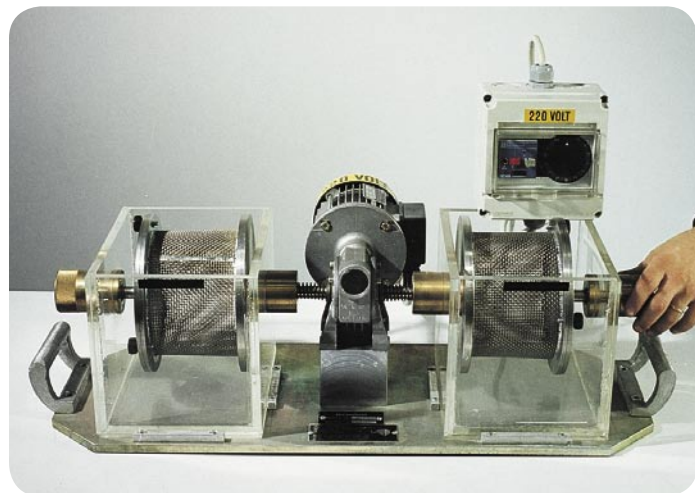
**Specifications:**

Power supply: 220 V, 50 Hz, single phase

Power: 100 W

Dimensions: 350 x 740 x 250 (h) mm

Weight: 37 kg.



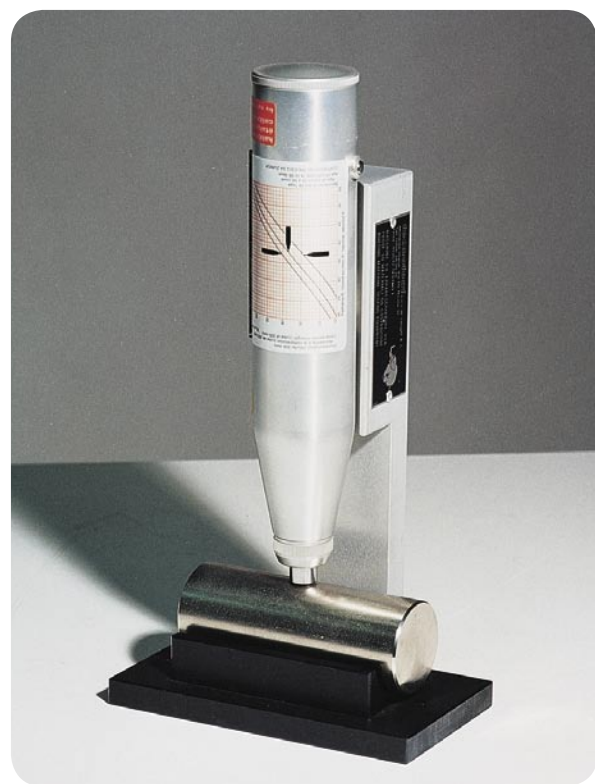
TS 720

**TS 711****NW ROCK CRADLE**

For holding NW cores (54.7 mm dia.) in the correct position.

Dimensions: 200 x 100 x 330 (h) mm.

Weight: 10 kg.



TS 711 TS 712

**TS 712****ROCK CLASSIFICATION HAMMER**

Similar to the concrete model. The rebound readings are used for rocks classification test.

(0.075 kgm percussion energy).

**TS 750****PROFILE GAUGE (BARTON TYPE)**

This instrument gives an immediate visual indication of the profile of a rock piece. Mobile needles in hardened steel.

Length 300 mm.

Weight: kg 1



TS 750