



B054

Ductilometer

STANDARDS: EN 13589 / EN 13398

ASTM D113, D6084 / AASHTO T51

NFT66-006 / NLT 126 / UNE 7093 / CNR N° 44

Used to determine the bituminous ductility, that is to say, the distance to which a briquette of molten bitumen can be extended under controlled conditions, before its breaking. The Ductilometer basically consists of a moving carriage travelling along guide ways. The carriage is driven by an electrical motor; inside a large tank which is fitted with digital thermostat, immersion electric heater, cooling coil for cold water circulation and pump unit. This model works in an automatic way at a speed of 50 mm/min. and its max. stroke is 1500 mm. The tank and the external frame are all made from stainless steel with fibreglass insulation. Water bath temperature is maintained constant at $25^{\circ}\text{C} \pm 0,5^{\circ}\text{C}$. by a digital thermoregulator. The unit is equipped of a dual safety thermostat to prevent accidental over-temperatures.

Max. traction force: 300 N, accuracy: $\pm 0,1$ N

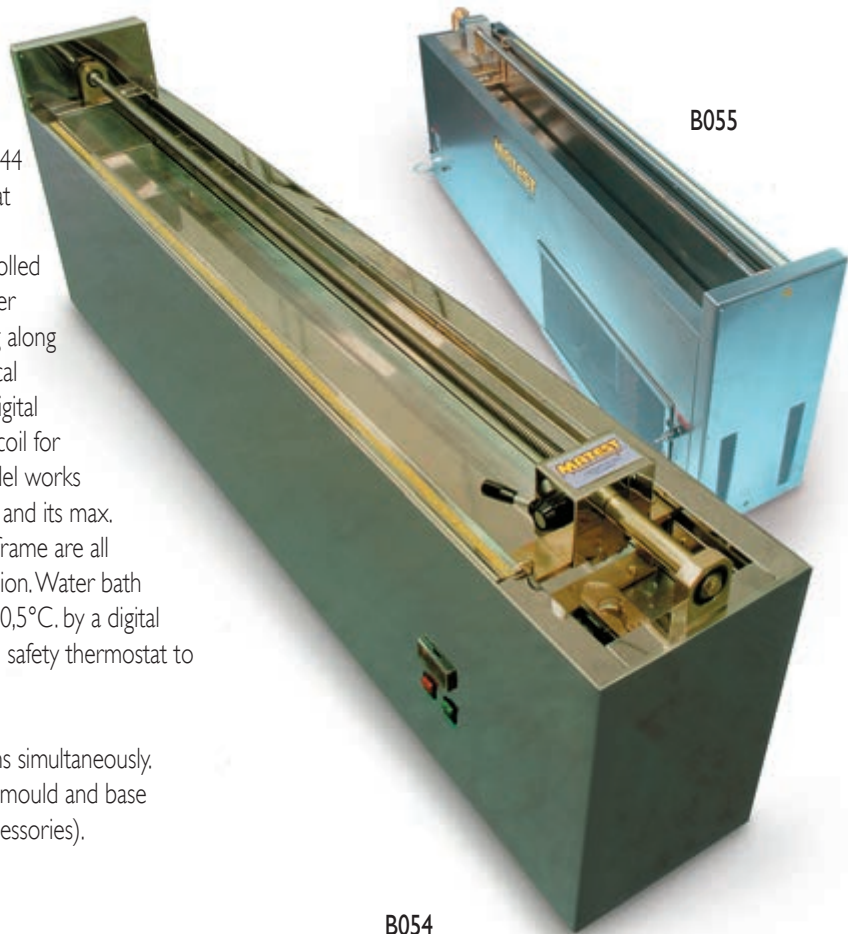
The ductilometer can accept up to 3 specimens simultaneously.

Supplied complete "except" for the briquette mould and base plate that must be ordered separately (see accessories).

Power supply: 230V 1 ph 50 Hz 1000 W

Dimensions: 2140x350x400 mm

Weight: 95 kg



B054

B055

B055

Ductilometer with cooling system

Same as for mod. B054 but equipped with incorporated refrigerating unit for tests with water temperature from $+5^{\circ}$ to $+25^{\circ}\text{C}$.

Dimensions: 2140x350x750 mm. Weight: 130 kg

ACCESSORIES:

B054-01

DUCTILITY BRIQUETTE MOULD - STANDARDS: ASTM, AASHTO

Used to prepare the specimen, it is brass made, accurately machined. Supplied without base plate. Weight: 300 g

B054-03

DUCTILITY BRIQUETTE MOULD - STANDARD: EN 13398

Used to prepare the specimen, it is brass made, accurately machined. Supplied without base plate. Weight: 300 g

B054-04

DUCTILITY BRIQUETTE MOULD - STANDARD: EN 13589

Used to prepare the specimen, it is brass made, accurately machined. Supplied without base plate. Weight: 300 g

B054-02 BASE PLATE for ductility briquette mould.



B054-03

B054-01

B054-04

B054-02

B077 KIT

Fraass apparatus

BREAKING POINT

STANDARD: EN 12593



B077 KIT

This apparatus is used to determine the breaking point of semisolid and solid bitumes. It consists of a flexure device with two concentric sliding resin tubes, jaws for the test specimen, flexure system with handle, cooling device with three containers, plate in special harmonic steel, thermometer IP 42C. Weight: 4 kg

SPARES:

B077-01

Plate (spring) in special harmonic steel

B077-02

Thermometer IP 42C