



## Ductility Testing Machine

Code: 46-4120

Product Group: Ductility Testing

The Ductility Testing Machine is used to determine the ductility of bituminous materials in a briquette mould by measuring the breaking elongation at a constant speed of 50 mm/min. It is designed for testing 3 specimens simultaneously. The Internal tank is made of stainless steel. The bath is fitted with an immersion heater in order to obtain (in normal conditions), the 25°C test temperature.

The Ductility Testing Machine comprises of speed control and water circulator to maintain the homogenous water temperature.

Elongation measurement through the motor encoder.

3 simultaneous load measurements with 18-bit resolution.

Speed control with servo AC motor between 0.01 to 100 mm/min.

Ethernet connection for computer interface.

Has 3 load cells with an accuracy of  $\pm 0.1N$ , with a maximum capacity of 300 N.

Failure conditions can be downloaded to the unit.

Complies with EN 13398, ASTM D113, ASTM D6084, AA SHTO T51, EN 13589, EN 13703, AASHTO T300.

## Specification

Dimensions	300 x 1850 x 550 mm
Weight	80kg
Watts	1000 W
Power supply	220V 50-60Hz 1Ph

## Accessories



### Base plate for Briquette Mould

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## Single Briquette Mould, ASTM + AASHTO

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