



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 $\pm 0.1\text{N}$, 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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