

Ductility Testing Machine

EN 13398; EN 13589, 13703; ASTM D113, D6084; AASHTO T51, AASHTO T300



DESCRIPTION:

The Ductility Testing Machine used for determining the ductility of bituminous materials by measuring the elongation of briquette mold with molten bitumen in it which is pulled apart at a specified speed and at a specified temperature.

The test shall be made at a temperature of 25 + 0.5°C with a speed of 5 cm/min + 5.0%.

Digital thermoregulator with over-temperature alarm and probe, cooling coil, traction carriage holding molds, circulation pump for stirring the water.

The Ductility Testing Machine with Cooling Unit has the same specifications as the ductility Testing Machine but with an additional cooling unit for better temperature control

The Force Ductility Testing Machine has 3 load cells and variable speeds. The accuracy of load cells is ±0,1N with a maximum capacity of 300 N. It has a cooling unit and digital graphic display, automatic control and Data Acquisition Unit, load-displacement curves and software.

The speed can be set and load-displacement curves are drawn through the software.

TECHNICAL SPECIFICATIONS:

Temperature Range	5° to 25°C ±0.5° (41° to 77°F ±0.9°)
Electrical	1000W Heater, 500W Cooler
Product Dimensions	1,880 x 360 x 680 mm
Estimated Shipping Weight	117.03 kg

MAIN FEATURES:

- Able to test three specimens simultaneously
- Heating and cooling circulator digitally regulates temperatures
- Vibration-free operation
- Direct-drive motor maintains a constant speed
- Force ductility comes with adjustable speed

ORDERING:

AS 0137
Ductility Testing Machine without cooling unit

AS 0138
Ductility Testing Machine with cooling unit

AS 0139
Force ductility Testing Machine with cooling unit

ACCESSORIES:
AS 0137-1
Ductility Briquette Mould.
AS 0137-2
Ductility Mould Base Plate