

## Marshall Stability Machine

EN 12697-12; EN 1269-23; EN 12697-34; ASTM D1559  
ASTM D5581; ASTM D6927; AASHTO T245

### DESCRIPTION:

The Marshall Stability Machine is used to determine the load and flow values of bituminous mixtures.

The Marshall is composed by a robust and compact two-column frame with adjustable upper cross beam driven by an electro-mechanical ram with a maximum capacity of 50 KN and a data acquisition and processing system.

The Marshall Stability Machine can be hand operated by a lateral hand wheel for calibration purposes. The mechanical jack raises the lower cross beam at a constant speed of 50.8 mm/min.

The limit switches are provided for both, bottom and top limit of travel.

The Automatic measuring system consists of a 50KN capacity strain gauge load cell that is fitted to the upper cross beam to read stability values and 25 mm x 0.001 mm displacement transducer fitted to Break Head.

The Manual measuring system consists of a 50 KN capacity load ring and dial gauge graduated 0.01 mm with 25 mm travel.

The Marshall Stability Machine comes complete with a lateral hand wheel for calibration purposes and a 100 mm breaking head.

### MAIN FEATURES:

- 3 models are available, charging ring, digital and computerized
- High resolution graphic display

### ORDERING:

#### AS 0120

Marshall Stability Machine complete with load ring

#### AS 0121

Digital Marshall Stability Machine complete with digital gauge

#### AS 0122

Digital computerized Marshall Stability Machine complete with touch screen and software

### ACCESSORIES:

#### AS 0120-1

Breaking Head 100 mm

#### AS 0120-2

Breaking Head 150 mm

#### AS 0120-3

Load Ring assembly complete with dia gauge, 50KN

#### AS 0120-4

S-type load cell 50KN

#### AS 0120-5

Flow Transducer

#### AS 0120-6

Data Acquisition and Control System

### TECHNICAL SPECIFICATIONS:

Dimensions	550 x 700 x 1200 mm
Power	1100 W
Weight (approx.)	103 kg

