

# Specimen Preparation

## S1 Specimen Cutting Press

This robust, manually operated press cuts test samples from sheets of rubber and other soft materials with an exceptionally high force (4.1kN). Once prepared the samples are typically subjected to physical tests such as tensile, tear, dynamic and cure.

### Features

- Hand operated exerting 4.1kN cutting force
- Safety catch and warning labels fitted
- Automatic ejection of samples
- Can accept Schopper rings or 8mm square test pieces
- Throat depth allows cutting area for samples up to 180mm long
- Alternative base widths available (150mm standard)

### Accessories

- Large range of cutting dies available
- Replacement cutting table

### Principle of Operation

The press is operated with two hands. While one hand is used to lift the safety catch, the other pulls the handle, which through a lever system, drives the ram down.

If the safety catch is not lifted, the ram cannot be moved ensuring operator safety.

The ram stroke is easily adjustable, ensuring that the die cuts through the sample but is not itself compressed thereby preventing damage to the cutting edge. As a further precaution, the operator is advised to place a suitable backing material on the cutting table to protect the very sharp edges of the cutter.

Articulated stainless steel fingers, mounted off the press frame, are adjusted to pass through the holes in the cutter back-plate so that the sample is automatically ejected on the return stroke of the arm.

**NOTE: The cutting table is 150mm wide by 200mm deep and cutters must not exceed these dimensions.**

### Specifications

Specimen Cutting Press - S1	
Part Number	WAS1
Dimensions (mm)	840 (h) x 150 (w) x 360 (d)
Weight	31kg
Cutting Table dimensions (mm)	150 (w) x 200 (d)
Maximum ram force	4.1 kN
Temperature Range	60 - 250 °C ± 0.2°C
Operating Temperature	10 to 40°C; Altitude 2000m maximum
Humidity Range	10 to 80% RH non-condensing

