

No.2001

Schopper tensile strength tester

A constant-speed loading type tensile tester. This machine applies a tensile load onto the specimen at a constant speed, to measure the maximum load and elongation at breaking.

One end of the specimen is fixed with the clamp connected to the pendulum, and the other end is secured by the clamp that moves downward at a constant speed.

The test specimen is tensioned at a constant speed, while the load increases. When the specimen breaks, the pendulum stops, and the machine indicates the maximum load and elongation at breaking. The tensile strength is expressed in Newtons, and the elongation in millimeters or ratio (percentage) to the specimen length (180mm). Since the machine is provided with a stepless speed change motor, the tension speed can be changed as desired. The lower clamp is lowered and lifted by the push button. So you can easily perform tension, stop and resetting. When the lower clamp reaches the lowest point, the machine stops automatically to ensure safety.

Tensile strength: load scale: 10N / 30N
30N / 150N
50N / 300N
100N / 300N
100N / 500N

Elongation: scale 0 to 27mm (0.1mm increment)
0 to 15% (0.1% increment)

Span: 50, 100, 150, 180mm

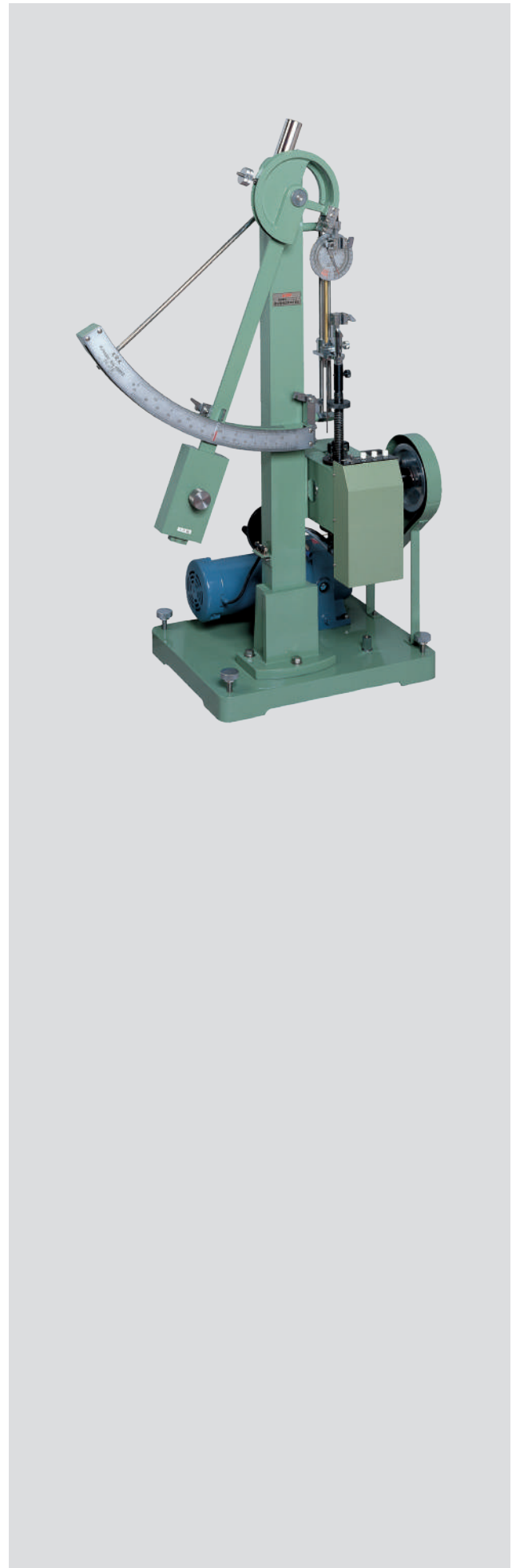
Clamp: width 15mm(standard), 25mm, 50mm(option)

Tension speed: 25 to 250mm/min.

Power source: 100/110VAC 50/6 Hz 3 A

Outer dimensions: 850 × 580 × 1300mm

Instrument weight: 123kg



Tensile