

H-6310 Hydraulic Tension Testing Machine

Purpose

A hydraulic tensile testing machine with a screw-type operating cylinder which gives completely smooth and step-less loading. The cylinder is operated by means of a crank which is designed so that only light hand power is required to obtain maximum load. The pedagogic design of the machine means that the student can observe what is happening throughout the entire procedure. The convenient size and the sturdy structure make the **Model H-6310** a highly reliable and risk-free machine. The power is read on a large and clearly visible indicating instrument which is graduated in kN (Kilo Newton). The instrument is provided with a maximum-value indicator which shows the power at failure on the test rod. The extension is measured by means of a gauge which has a reading accuracy of 0.01 mm.

Specifications

The tensile test rods for the **H-6310** are 5 mm in diameter and are threaded at the ends. This makes them very easy to mount and also ensures reliable fastening in the jaws. The **H-6310** can deal with Brinell testing. A Brinell kit and measuring magnifier are included. Buckling tests can also be carried out with this machine.

Equipment

The equipment includes:

- Hampden **Model H-6310** Tensile Testing and Brinell Testing Machine
- Tool box containing:
 - Sliding calipers
 - Measuring magnifier
 - Tensile test rod set, 5 each of: steel, aluminum, brass, copper
 - Brinell test pieces, 5 each of: steel, aluminum, brass, copper
- Laboratory texts



Accessories shown included with the **Model H-6310** Hydraulic Tension Testing Machine

Available Options

The following accessories are available as optional extras:

H-6310-10	Tensile test rod set: 5 rod each of steel, aluminum, brass and copper	H-6310-33	Helical Spring Test
H-6310-20	Brinell test piece set: 5 piece each of steel, aluminum, brass and copper	H-6310-34	Disc Spring Test
H-6310-30	Recording Device	H-6310-35	Electronic Force Measurement
H-6310-31	Bending Device	H-6310-36	Shear Test
H-6310-32	Large Compression Plates	H-6310-37	Deep Draw Test
		H-6310-38	PC-Aided Measurement Recording System
		H-6310-M	Motorized Operating Cylinder

All Hampden units are available for operation at any voltage or frequency

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