

173/e Vert. Plane Tensile Testing Machine

DATA SHEET

Designed specifically for simple proof load testing of wire chains, ropes etc..

With the advantage of an open test bed for the testing of spreader beams and other similar items.

Straining Unit

- Long stroke hydraulic cylinder with double acting ram.
- Piston head and cylinder ends fitted with low friction seals.
- Pulling ram terminates in a fixed clevis jaw, with a similar arrangement on the moving carriage.



Load Control Console

- Digital monitor with 20mm high character readout connected to load cell by means of multi-core screened cable.
- Peak freeze provision facility for capturing maximum applied load with reset.
- Pressure Control is achieved by means of a control valve at the operators position.
- PUMP START push button and STOP button.
- Optional Data Acquisition Facility showing load and extension..

Load Cell

- Located between the pulling clevis and pull ram and strain gauge tensile load features a multi bridge with temperature compensation and close zero balance.
- Calibrated in accordance with International Standard ISO 7500-1: 2004

Power Pack

- Features a flanged motor close coupled to a single pump
- Filtration provided includes suction line strainer and tank top filler/breather

Test Bed

- Main frame comprising of steel section side frames cross braced and featuring location points for moving carriage at incremental positions along the bed.
- The machine is supplied with the group anchor fixing holes incorporated for 'Thor-bolts', which are recommended in order to prevent 'tramping'.
- An adjustable carriage is provided supported on free moving rollers for easy placement of the carriage appropriate to the nominal test specimen length.
- Machine is fully guarded by fixed plates at base of bed and manually operated, hinged guards at top of bed section.
- Fixed guard provided for operator protection, plus visual warning to indicate testing in progress.

AJT EQUIPMENT LIMITED