

JAR TESTER

APPLICATION

- Jar testing
- Shear testing
- Tensile or compressive testing

FEATURES

- **Hydraulic hoses:** 2 x 5000 mm long hoses of the appropriate rating are included.
- **Control Console:** See attached drawing for console detail
- **Electric Motor:** 3-phase, 380 /415 volts, 50/60 Hz, 1450/1800 rpm.
- **Pump:** Variable displacement Piston pump.
- **Ton gauge:** Dia. 6 inches dial size, calibrated, readings for line pull in extension & retraction. Calibration valid for a period of 1 year from certificate date.
- **Cooling:** An electric motor driven fan type cooler, to be integrated with the Power Pack.
- **Output:** Output from the Power Pack to be terminated on the frame, these terminations will be 1" NPT.

ADDITIONAL INFORMATION

- **Certification:** The entire structure to be tested for line pull in extension & retraction through a certified third party and a certificate issued.
- **Painting:** All steelwork to be sand blasted and epoxy painted, paint colour to be specified at time of order. Pre-painted components will not be painted.

The WellEnTech Jar Tester is designed to exert push/pull loads to a variety of tools with outer diameters up to 3-1/2 inches. The Jar Tester is capable of exerting tension or compression loads in a controlled manner. The Jar Tester provides an effective and accurate means for shop testing Hydraulic Jars, Bait Subs, Safety Joints, Bumper subs and other similar tools.

TECHNICAL SPECIFICATION

Hydraulic cylinder:

Type:	Double acting.
Stroke:	800 mm
Line pull (Extension/Push):	37,325 lbs @ 150bar.
Line pull (Retraction /Pull):	37,325 lbs @200bar.
Speed in Extension (Full Stroke) =	24 secs
Speed in Retraction (Full Stroke) =	18 secs
Front end:	Flanged, to interface with the steel structure.
Rod end:	Threaded, to suit the hanger chuck.
Test pressure:	250 bar
The outlet of the load holding valve will be fitted with QRCS, loose supply of hose of 5.0 metres length with QRC (mating part of the valve) is included.	

JAR TESTER STRUCTURE:

Manufactured of a Rectangular Hollow section of size 15 x 200 x 10 mm thick of length 6 metres in lengths of 3 metres, each with a bolted joint in the centre (all as per drawing supplied 985-0100-L001a), this section to be mounted through bolts onto the support legs of rectangular hollow section size 80 x 80 x 6 mm , these legs to be bolted on to the ground through anchors.

The above members to be provided with drilled holes, all as per the drawing, to suit pin fitment.
The supply of a pins and carriage fabrication is also included.

Hanger chuck: The manufacture of a suitable hanger chuck of fabricated construction is included. The chuck to be integrated with the cylinder rod and to be moved in tandem on to the rectangular hollow section.

TECHNICAL ILLUSTRATION

