



Type A Super "L" Series



Fig. 1. Typical 120,000 lbf (600 kN) Type A Super "L" with optional computer running Tininius Olsen's Test Navigator software.

Type A models were originally designed to meet the exacting requirements of testing 7 strand cable and feature an open front crossheads to permit rapid insertion and removal of specimens, and this feature has become popular for many other applications involving rapid, repetitive testing. Positive specimen holding is ensured by the wedge action of manually or hydraulically operated lever grips. An adjustable top crosshead and motorized lower crosshead quickly accommodate specimens of varying lengths.

Tininius Olsen will customize any Type A Super "L" to your requirements. The following options are available: grips for flat and round specimens; accordion-type, non-metallic screw covers; broad range of strain measuring instrumentation;

low-capacity load cells; closed-loop servo control; software and computer systems.

The test frames feature a patented dual-pressure hydraulic loading system and a new space-saving console.

All Super "L" systems are guaranteed to meet ASTM, ISO, and other national and international specifications for accuracy. Accuracy is within +/- 0.5% of applied force from 0.2% to 100% of the frame capacity.

Easy-to-use testing software.

Tininius Olsen has a wide range of software that can be added to the Super

"L" for data acquisition and for computer-assisted control of the testing machine (for machines equipped with the optional servo control).

Testing control with handheld controller.

For manual control and convenient operation each Super "L" includes as standard a handheld controller with an LCD and an extended cord. A portion of the LCD reads force in either lbf, N, or kgf in 10 mm high numbers. In addition to displaying force, it can be optionally equipped with instrumentation and signal conditioners to display position and strain values. If the position instrumentation (high resolution encoder) and signal conditioning module are ordered, speed will also be displayed.



Fig. 5. The 30,000 lbf (150 kN) and the 60,000 lbf (300 kN) capacity standard Super "L" testing machines can be supplied with fully open front crossheads and hydraulically operated lever grips as shown.

Optional servo control.

As dependable as the basic manually controlled Super "L" is, the rate at which load is applied is determined by the operator. Therefore, as an option, the Super "L" can be supplied with closed-loop servo control capability. This closed-loop control system constantly monitors the test in progress and regu-

lates the testing rate to maintain the preset conditions. This option enables you to conduct compression tests and flexure tests automatically and ensures consistent testing control free from operator variability. Also, the valuable closed-loop servo control feature can be added easily to the machine at a later date with the addition of hardware and software options.

Type AF Super "L"s

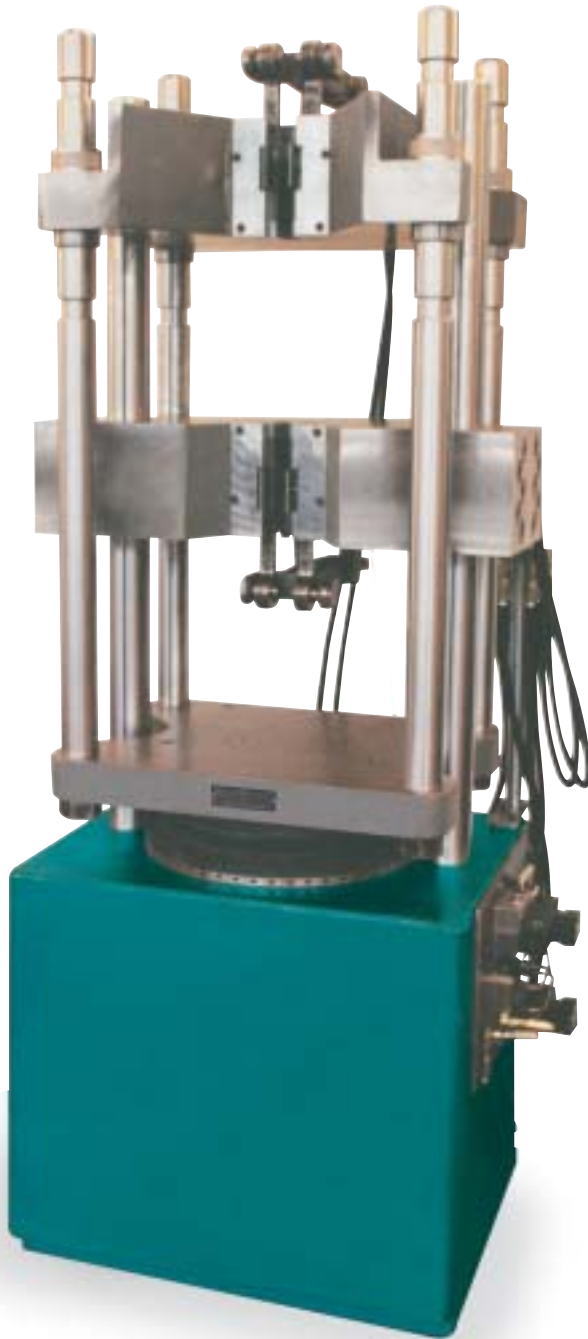


Fig. 3. Typical 120,000 lbf (600 kN) Type AF Super "L" load frame with fully open front crossheads. It is designed with a non-motorized lower crosshead for applications that seldom require changing crosshead position. The adjustable top crosshead and notched columns are optional.

Contact Your Local Representative:



Fig. 4. Close-up of the 120,000 lbf (600 kN) capacity Type AF Super "L" load frame showing the recessed clamping bolts that allow the operator to reposition the lower crosshead if necessary.

Specifications subject to change without notice.

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