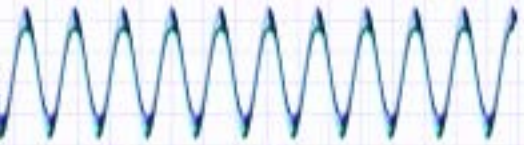


ace

COIL WINDING



Pneumatic Tension Device with Manual or Power Traversing

Model 4800 Series

DESIGN

Designed to apply constant adjustable tension and traverse to single or multiple, round, square or rectangular wire, as well as ferrous and nonferrous foil. It also provides a direct readout of the amount of tension being applied. Manual forming and pounding of the coil into shape is completely eliminated. Model 4800 can be used with many ACE heavy duty coil winding machines.

THE WAY IT WORKS

Features

Model 4800 Series can include:

- Infinite perfect pitch adjustment.
- Zero backlash.
- Handles light, medium and heavy round, formed wire and foil.
- Automatic Layer Winding - no crossovers.
- Fully automatic or manual operation.
- Automatic constant tension.
- Versatility-all types of coils.
- Automatic tapering of one side or both sides of coil.
- Memory up to 200 programmed recipes.
- Electronic controls for setting wire pitch.
- Minimal setup and tear down time.
- Perfectly wound coils reducing wire usage.
- Single or multiple wire handling.
- Heavy duty construction including wire guide arm.
- Foil can be wound with constant tension and in tandem with insulation paper.



Model 4811-00-T-04-09



TENSION	Up to 500 lbs. Max
POWER	120/150-60
MATERIAL CAPACITY	AWG Size 40-8 Round, Rectangular, Square Wire, and Foil



TENSION UNIT FEATURES

TENSION DEVICE

TENSION HOUSING, TENSION PLATES, PNEUMATIC ACTUATOR AND WIRE GUIDE ROLLERS

The Tension Housing contains the mechanical elements of the Tension Device. A Pneumatic Actuator provides the necessary downward pressure on the Tension Plates during winding. At completion of the winding operation, tension on the plates can be relieved with a manual valve making it possible to easily pull the material through the plates by hand. An opening, located in the rear of the Housing, permits easy replacement of the durable Tension Plates.

Two steel wire guide rollers fastened to the front and two more in the back of the Tension Housing, guide the wire(s) into and out of the Tension Device. The standard spacing between the rollers is infinitely adjustable from 0 to 4 inches. Additional roller can be installed by the customer.

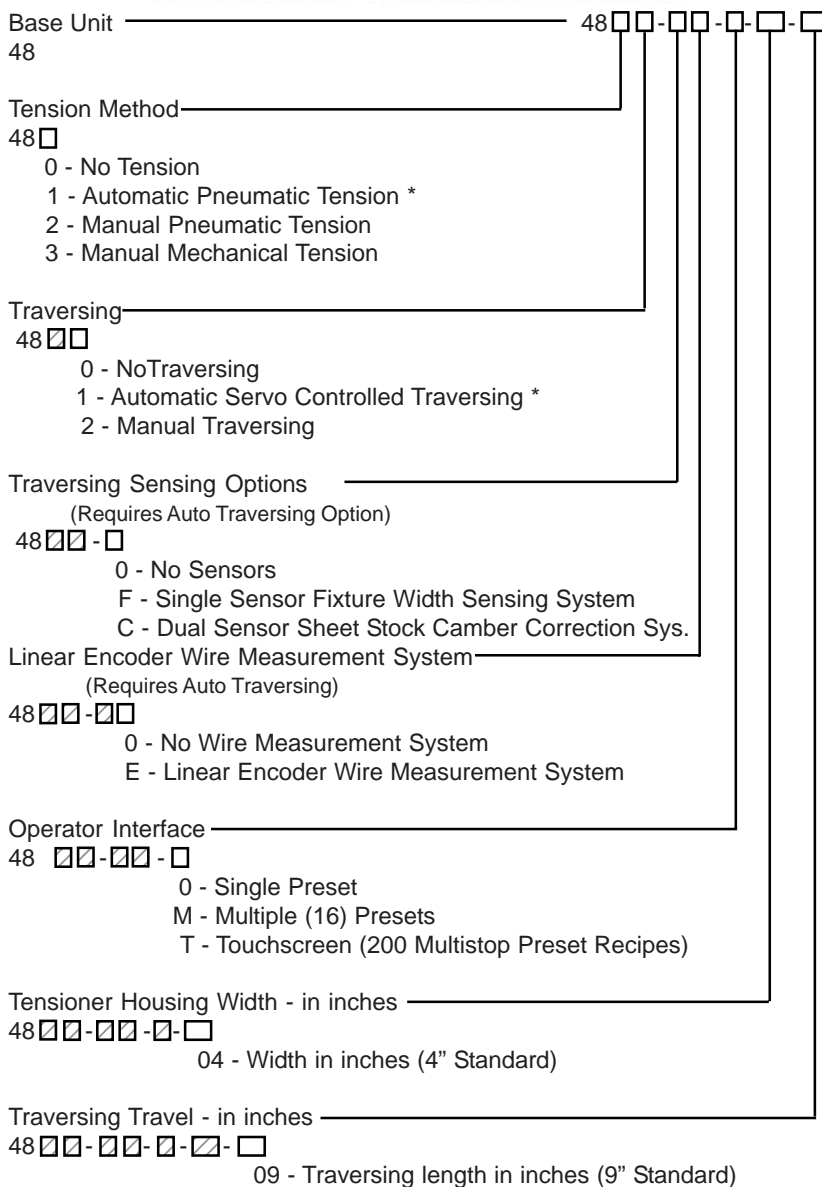
The Tension Device is supplied with a pressure regulator, filter, gauge, on-off air valve and connecting air hoses with fittings. Longer life may be gained from work Tension Plates by turning them 90° and by flipping them over. This is easily accomplished by removing the two rear Wire Guide Rollers

TENSION SENSOR

The tension sensor provides precise, accurate measurement of wire tension. A tension sensor (load cell) uses an LVDT type sensor to convert tension on the wire into a proportional electrical signal. The LVDT system provides precise, accurate tension measurement while the mechanical design allows for extremely high overloads without structural damage or variance in calibration. No calibration or maintenance required.

Power	230/1/50-60, 10 amp
Dimensions	26" W x 26"D x 49"H
Net Weight	350 Lbs.
Gross Weight	400 Lbs.
Material Capacity	AWG 30 to 2-0 Round AWG 10 to 2-0 Square

4800 Series Part Number Codes



*Requires Touchscreen Option