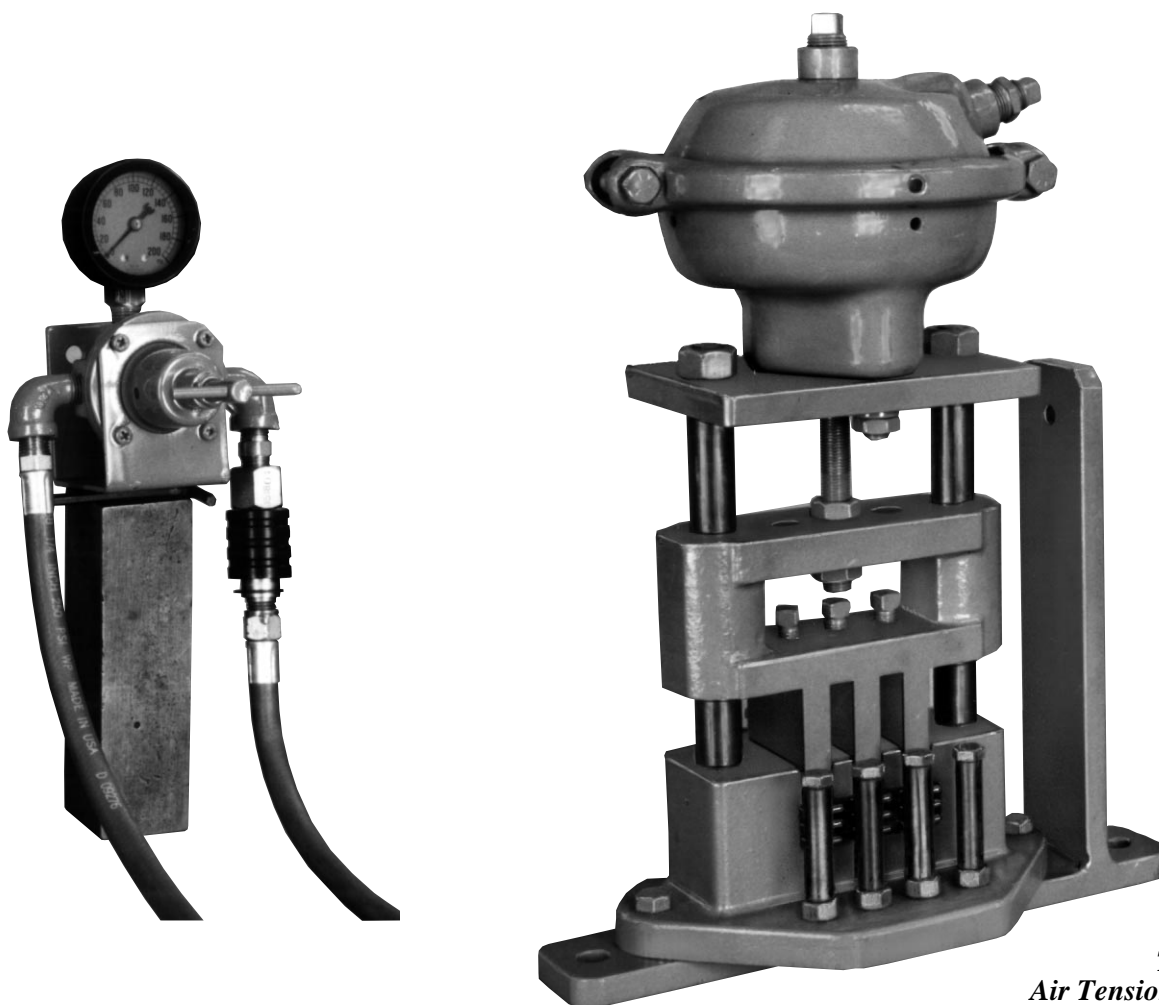


# Type T-6 Air Tension Device

*Increase efficiency with pressure regulated control of winding tension. Maintain uniform tension regardless of variations in conductor size and insulation thickness.*



*Type T-6  
Air Tension Device  
Model # E-2335*

## Designed for Loop Winding Operations

The T-6 Air Tension Device is primarily designed for loop winding operations and accommodates rectangular conductors up to 1/2" wide in an arrangement three wide by two deep. The three slots in the base of the tension

device retain the highly polished, hardened steel pressure plates 1/2" wide by 2" long which apply pressure to the conductors having a variety of types of magnet wire insulating films, glass, dacron glass, paper and others.

### Uniform Coil Production

Pressure regulated winding tension results in more uniform coil production. Supervision is provided the opportunity to control winding tension and once the pressure setting is determined, it should be added to the data card. This simplifies set-up and ensures the same winding tension the next time the coil is wound. Loops wound under uniform tension result in improved handling characteristics during spreading, tapping and pressing operations. The Type T-6 Air Tension Device eliminates makeshift tensioning arrangements and increases coil winding efficiency.

### Easy Tension Adjustment

A diaphragm air cylinder forces the upper part of the tension device downward against the pressure plates when air pressure is applied. A pressure regulator with gauge provides a means of varying wire tension. The regulator is mounted on the winding machine and the operator can adjust winding tension without leaving his position. The sleeve valve mounted adjacent to the regulator provides a means of releasing all tension so the conductors can be easily pulled through the

tension device when starting winding operations. Moving the sleeve valve in the opposite direction applies winding tension.

### Adjustable Plates Prevent Damage

Six compression springs are located immediately below the pressure plates and whenever the insulation on a conductor is greater than normal thickness, these springs allow a slight movement as the conductor passes through the device, thereby preventing damage to the insulation. Three adjusting screws in the moveable upper part are utilized when necessary to equalize tension between the three stacks of conductors.

### Flexible Mounting

Four fiber roller guides are mounted in front of and behind the tension device to prevent the conductors from contacting the sides of the slots. An angle mounting bracket is provided and when the tension device is mounted on the vertical part of this bracket, it may be used for applying tension to those conductors which can be edge wound for loops, or other coils.

As illustrated, Model E2335 Type T-6 Air Tension Device includes pressure regulator, gauge, sleeve valve, 20 foot air hose and the right angle mounting bracket.

### Shipping Data

Item No.	Net Weight	Crated Weight	Boxed for Export	Dimensions (inches)			Cubic Feet
				L	W	H	
E-2335	43 lbs.	60 lbs.	60 lbs.	22"	12"	8"	2

PRJS-TD6-0198

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