

# COIL WINDING

## DE-REELING AND TENSION STAND MODEL 438-1B

### DESIGN

The air operated tension device offers remote tension control by means of regulated air pressure. It eliminates spool roll-in when de-reeling has stopped. The operator can conveniently vary the tension at the winding machine. Designed for handling spools of round, square, rectangular or flat wire.

Standard models available from 1 to 13 de-reeling units on a tension stand.

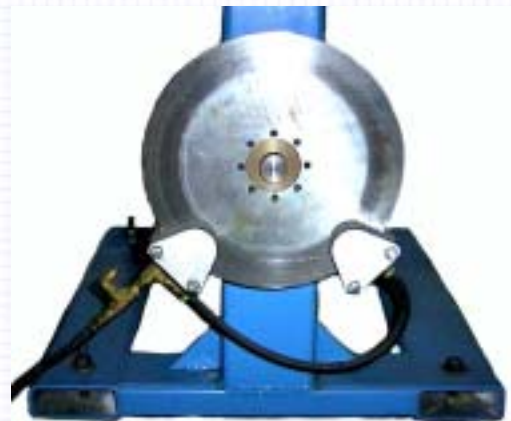
### THE WAY IT WORKS

The tension device is an air actuated caliper brake gripping a 12" diameter disc. Tension is controlled by an adjustable air pressure regulator. A manual air cutoff switch is supplied to release all tension on the spool and also instantly return to pre-set tension.



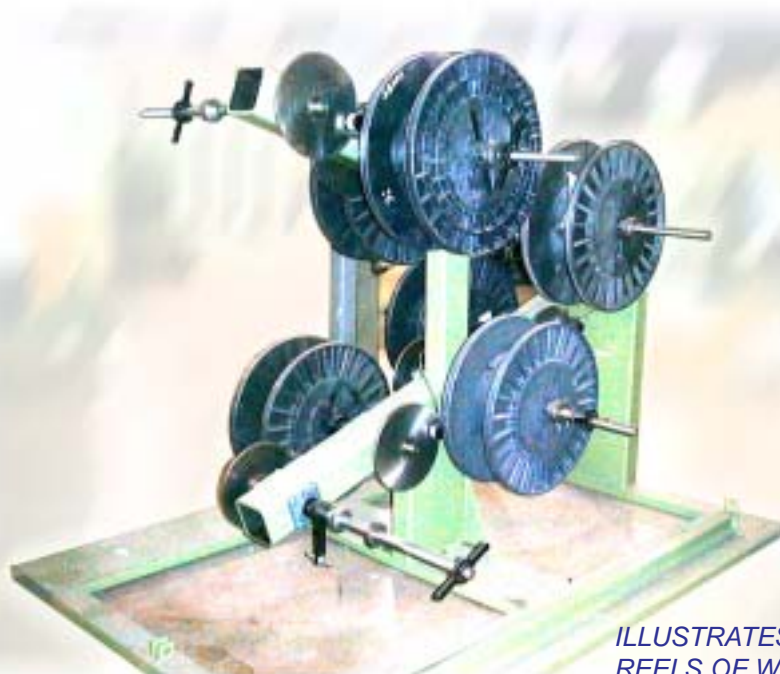
ILLUSTRATES MODEL 438-1B EIGHT SPOOL DE-REELING AND TENSION STAND

- Spool capacity is 24" diameter x 7" to 12" width.**
- Spool hole size 1-1/4" to 2-1/2" diameter.**
- Spool support shaft is 15" from the floor, 1 1/4" Dia..**
- Spool weight capacity: 500 Lbs. maximum**



ILLUSTRATES MODEL 432-2B DOUBLE BRAKE

Dimensions	76"H x 68" W x 96"L
Net Weight	500 LBS.
Gross Weight	600 LBS.



ILLUSTRATES MODEL 438-1B WITH 24" DIA. REELS OF WIRE(REELS SUPPLIED BY CUSTOMER,)

## TENSION UNIT FEATURES

Designed with eight de-reeling units on one tension stand. Tension of each de-reeling unit is independently controlled by an adjustable air pressure regulator. Spool capacity per unit is 24" diameter x 7" to 12" width. Spool hole size 1-1/4" to 2-1/2" diameter. Spool support shafts are 1 1/4" Dia.

### Brake Torque Specifications

BRAKE AIR PRES-SURE P.S.I.	12" DIA. DISK 1 BRAKE - 1B FT. LB.	12" DIA. DISK 2 BRAKES - 2B FT. LB.	18" DIA. DISK 1 BRAKE - 1B FT. LB.	18" DIA. DISK 2 BRAKES - 2B FT. LB.
5	4	6	4	6
10	6	8	6	8
15	7	10	8	15
20	9	13	10	20
25	10	16	13	26
30	12	19	18	35
35	14	24	22	44
40	15	29	26	52
45	17	34	29	60
50	20	39	33	67
55	22	43	37	76
60	24	46	41	83
65	26	50	46	94
70	28	54	53	105
75	30	57	61	120
80	32	61	67	130
85	35	65	72	137
90	37	69	76	150
95	39	72	80	160
100	41	75	84	168
105	43	78	88	176
110	45	81	93	186
115	47	85	98	196
120	49	89	103	206

### Dual Pressure Control Valve

This is a two position manual lever valve. One position applies tension. The other position applies drag. Two adjustable regulators are installed, one to control tension and one to control drag pressure.



ILLUSTRATES ACCESSORY ITEM 550-025 DUAL PRESSURE CONTROL VALVE