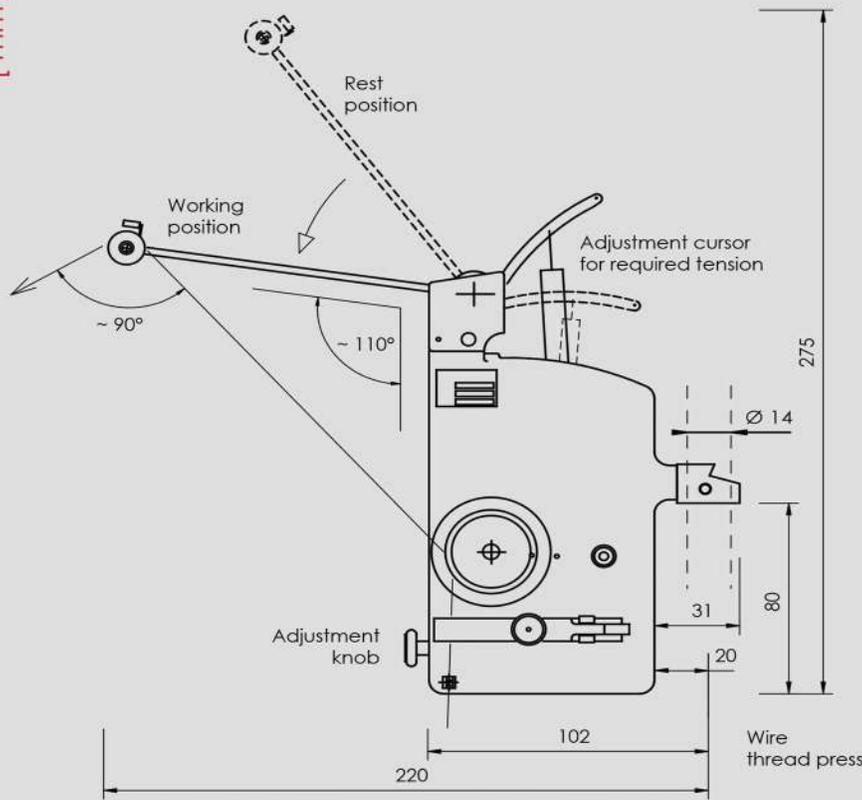




Electrical Tensioners
Mechanical Tensioners
Electronic Tensioners



Wire / Tension

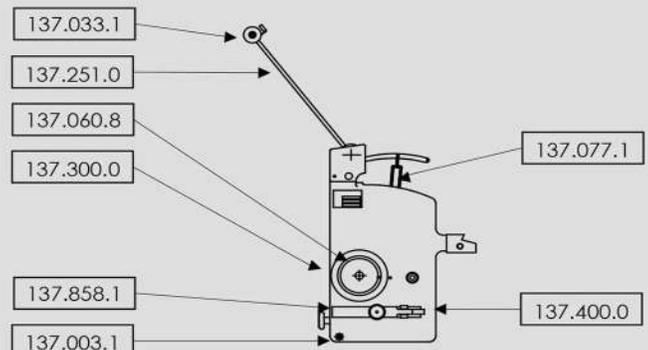


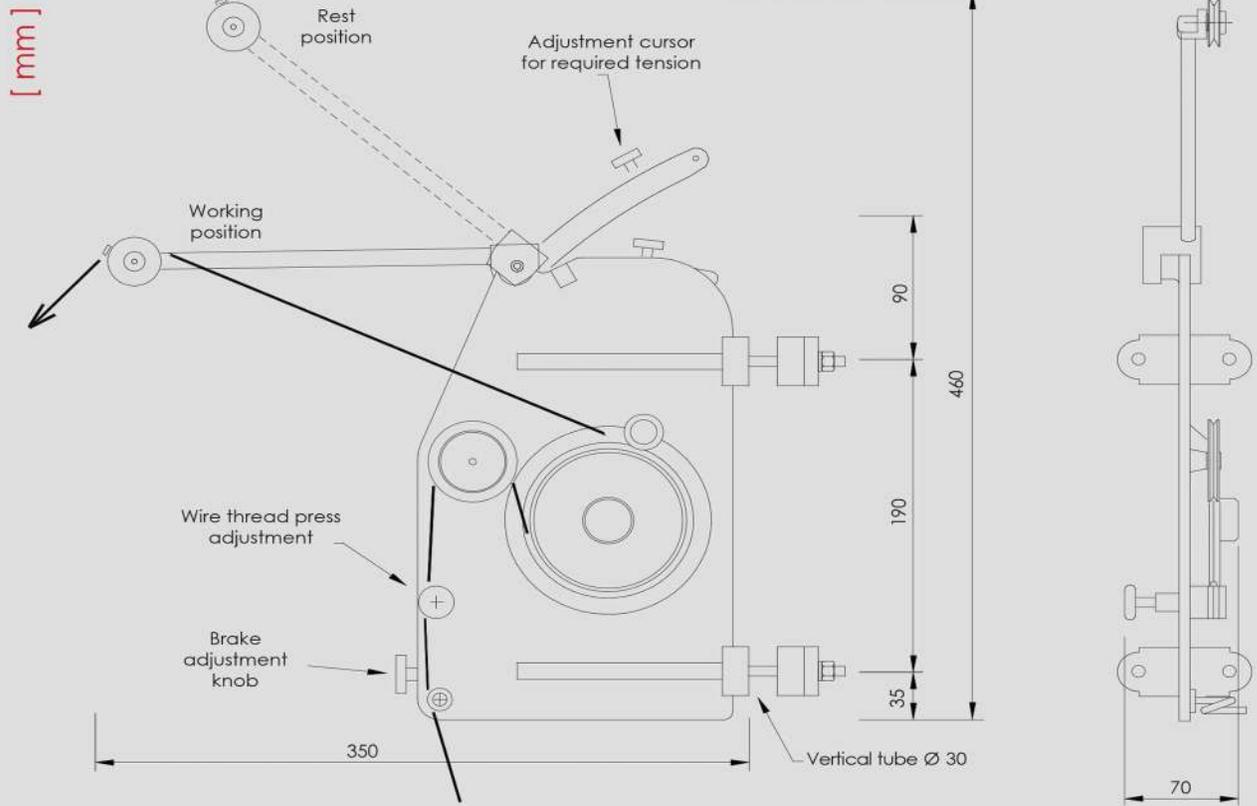
available options

Standard	Cut-out switch	Pneumatic Release	ALTC Reference
■			137.000.1
	■		137.000.2
		■	137.000.8

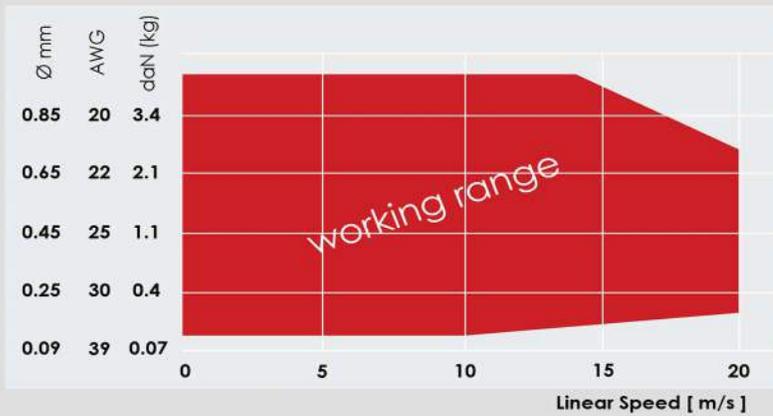
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Spare parts	Reference
Pigtail Eyelets (10 pcs)	137.003.1
Complete Brake Pulley	137.060.8
Wire Thread Press	137.400.0
Thread Press Felts (10 pcs)	137.858.1
Dynamo. Arm pulley with bearing	137.033.1
Dynamometric Springs (10 pcs)	137.077.1
Complete Dynamometric Arm	137.251.0
Complete Brake Block	137.300.0





Wire / Tension

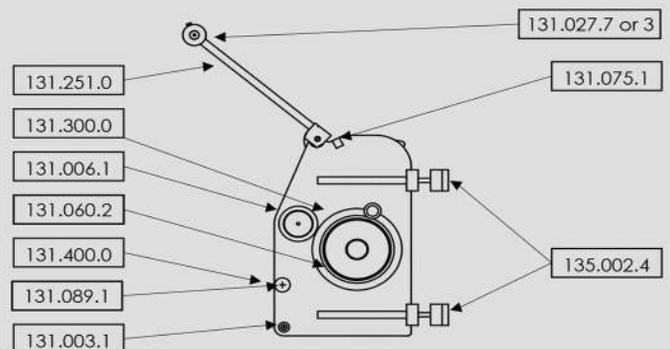


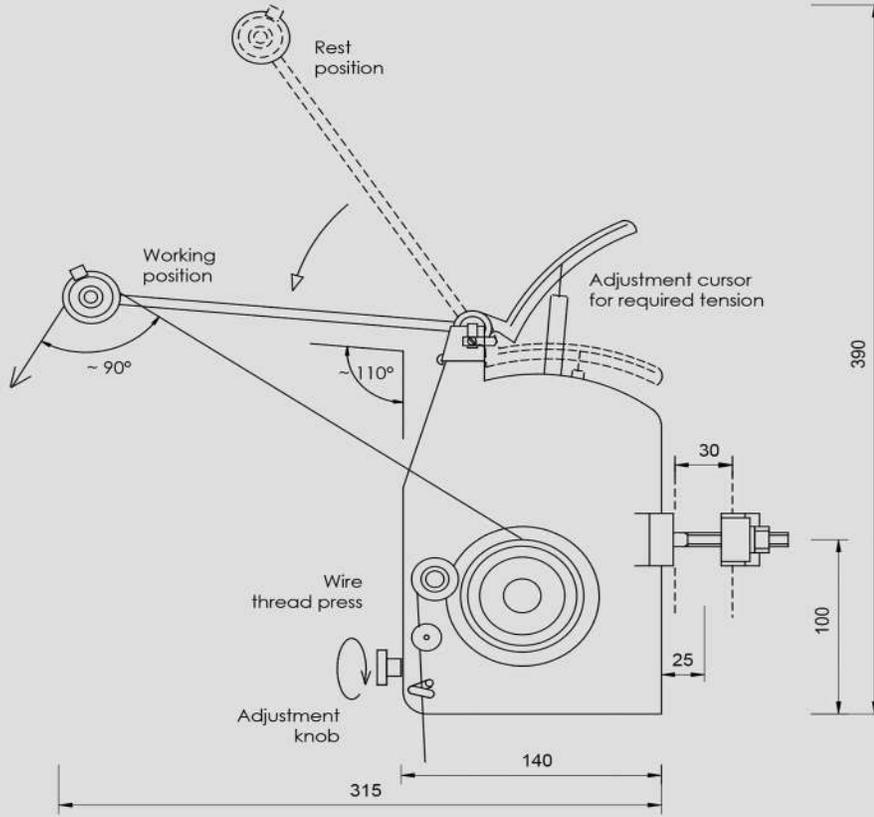
available options

Standard	Cut-out switch	Double pulley	Pneumatic release	ALTC Reference
■				131.000.1
	■			131.000.2
		■		131.000.3
	■	■		131.000.4
			■	131.000.7
	■		■	131.000.8

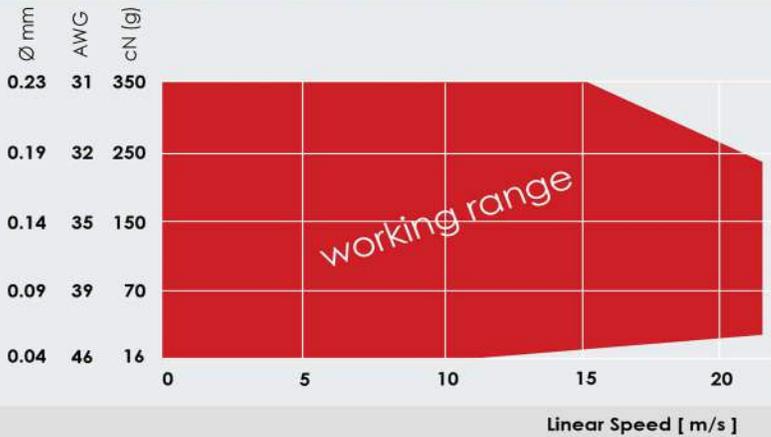
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Spare parts	Reference
Pigtail eyelet (10 pcs)	131.003.1
Complete brake pulley	131.060.2
Wire thread press	131.400.0
Thread press felts (100 pcs)	131.089.1
Arm pulley with bearings	131.027.7
Arm pulley with bushing	131.027.3
Return pulley with bushing	131.006.1
Dynamometric spring (10 pcs)	131.075.1
Complete dynam. Arm	131.251.0
Complete brake block	131.300.0
Fixing clamp	135.002.4





Wire / Tension

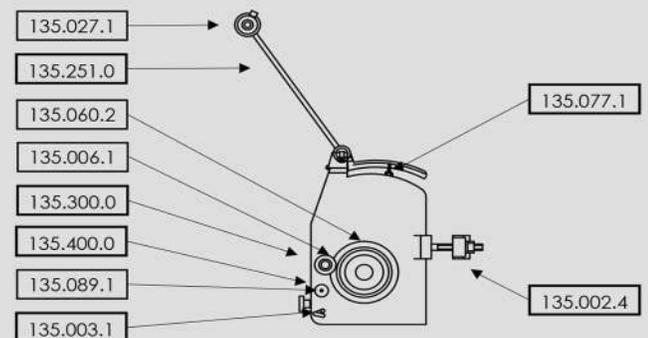


available options

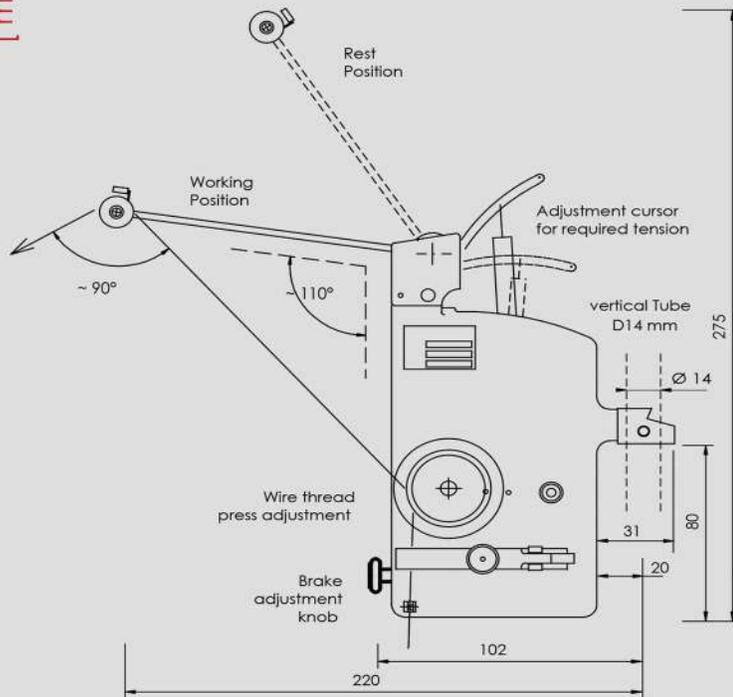
Standard	Cut-out switch	Double pulley	Pneumatic release	ALITC Reference
■				135.000.1
	■			135.000.2
		■		135.000.3
	■	■		135.000.4
			■	135.000.8

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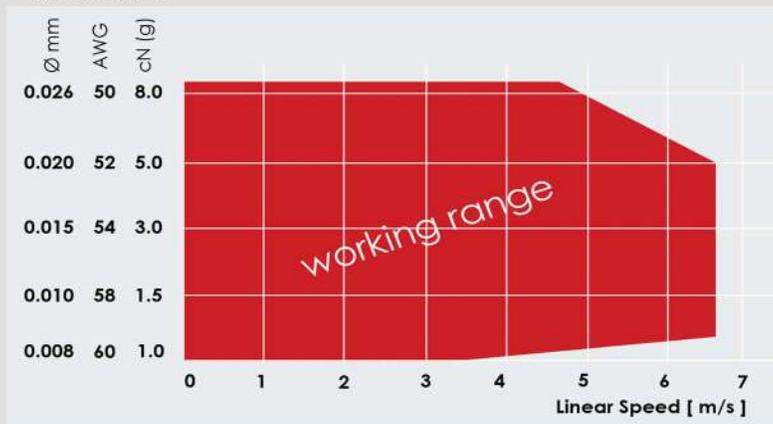
Spare parts	Reference
Pigtail Eyelets (10 pcs)	135.003.1
Complete Brake Pulley	135.060.2
Wire Thread Press	135.400.0
Thread Press Felts (100 pcs)	135.089.1
Arm Pulley + Bearing	135.027.1
Return Pulley + Bearing	135.006.1
Dynamometric Springs (10 pcs)	135.077.1
Complete Dynamometric Arm	135.251.0
Complete Brake Block	135.300.0
Fixing Clamp	135.002.4



[mm]



Wire / Tension



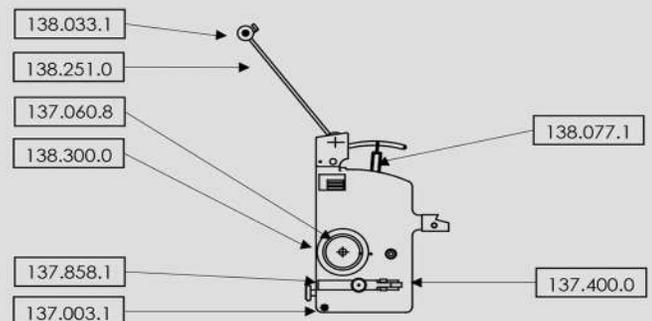
available version

ALTIC Reference	
Standard	138.000.1



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Spare parts	Reference
Pigtail Eyelets (10 pcs)	137.003.1
Complete Brake Pulley	137.060.8
Wire Thread Press	137.400.0
Thread Press Felts (10 pcs)	137.858.1
Dynamo. Arm pulley w/ bushing	138.033.1
Dynamometric Springs (10 pcs)	138.077.1
Complete Dynamometric Arm	138.251.0
Complete Brake Block	138.300.0



ETC SERIES

When Wire Tension accuracy and higher level of Quality control are the requisites of the coil winding production process, ALTIC's Electronic Tensioners are the ultimate solution.

Based on an up-to-date **closed loop force control system**, an exclusive **electro-mechanical Brake technology**, and including **high accuracy load cells**, Altic's electronic tensioners provide **high precision tension control** at an **affordable price**.



Offers

- ▶ Low profile frame (width < 46 mm)
- ▶ Digital display readout
- ▶ Operator interface through the front face keyboard or an external remote control
- ▶ Highly reliable braking technology
- ▶ Wire compensation up to 150 mm
- ▶ Easy setting-up
- ▶ Low consumption (< 1 Amp - 24 V DC)
- ▶ Broken wire signal output available
- ▶ External 0 → 10 V remote control option

ALTIC Wire Tensioners improve your competitiveness.

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- Closed loop control electro-mechanical brake
- Real time force tension feedback from a precision load cell
- Embedded microcontroller including an advanced PID regulator and providing additional automation functions and input-output data exchange (option)

working range

- Wire Tension Range
5 → 120 cN ~ 5 → 120 gr
- Wire diameter
0.03 → 0.12 AWG 48 → 36
- Max. Linear speed
25 m/sec

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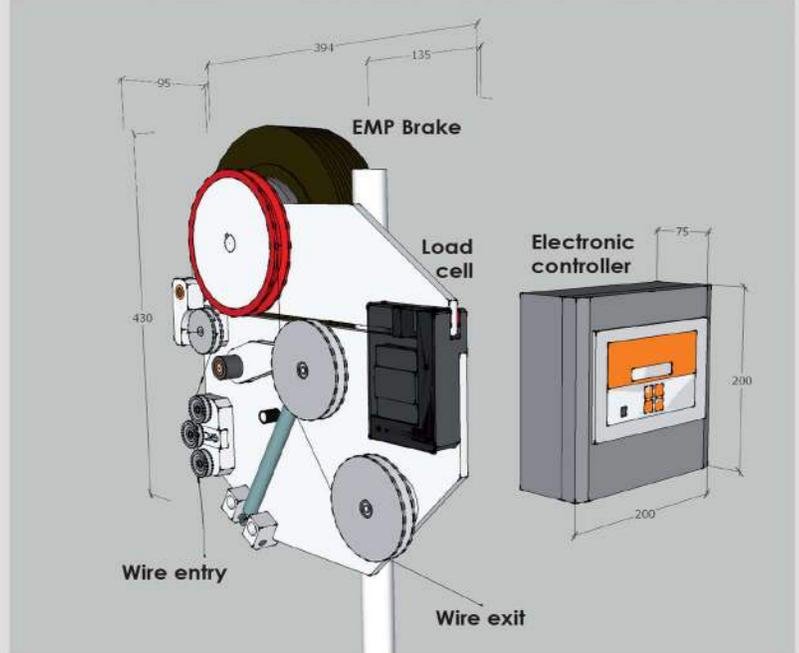
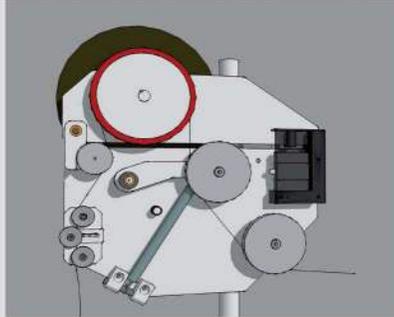
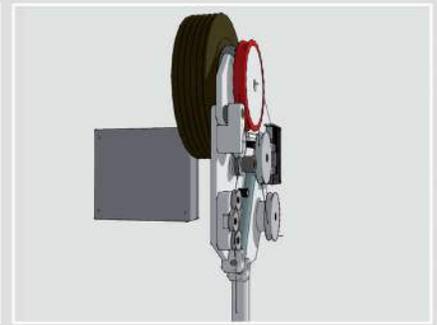
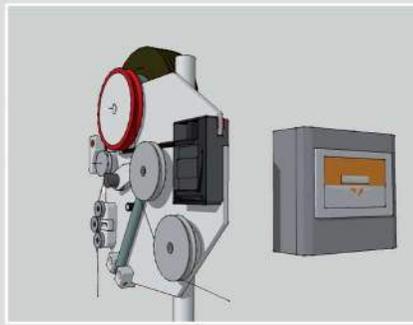
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- Closed loop control electro-mechanical brake
- Real time force tension feedback from a precision load cell
- Embedded microcontroller including an advanced PID regulator and providing additional automation functions and input-output data exchange (option)

working range

- Wire Tension Range
80 → 250 cN ~ **80 → 250 gr**
- Wire diameter
0.10 → 0.20 AWG 38 → 32
- Max. Linear speed
25 m/sec

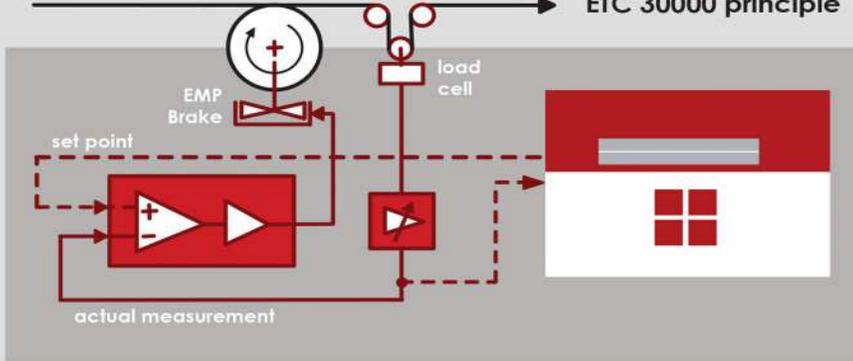
Based on an up-to-date **closed loop force control system**, highly reliable **EMP Brakes**, and high accuracy **load cells**, ALTIC's Electronic Tensioners are the ultimate wire tension control solution !



Direct tension closed loop control:

The torque in the EMP brake is monitored by the internal digital controller, by using the real time difference between the set point value (coil winding tension) and the actual tension on the wire. The wire tension is fully available as an analogue output voltage.

ETC 30000 principle



Power supply : 24 v DC
Max current consumption : 1.8 Amp

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Wire / Tension



Working range

- wire tension range from 1 to 30 kg,
- copper wire diameter from 0.4 to 3.0 mm

Features

- easy-to-read digital display showing both the wire tension set point and the actual measured tension.
- two keys can be programmed to memorize two different wire sizes
- adjustable dynamic (operating) tension, static (back) tension, size of wire, and speed threshold.

