



CABLE TIES AND WIRING ACCESSORIES

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Cable Tie Installation Tools

The **PANDUIT** Selection... **PANDUIT** offers the greatest selection of job-matched tools:



Tool Controlled Tension and Cutoff Tools



Pneumatic Tool Controlled Tension and Cutoff Tools



Operator Controlled Tension and Cutoff Tools



PAT1M/PAT1.5M Automatic Cable Tie Installation Systems

Choosing the right tool increases productivity...

Whatever the need; Original Equipment Manufacturer (high, medium, low volume), maintenance/repair or construction; **PANDUIT** has the tool to help lower your total installed cost. The following chart can be used as a guide for tool selection:

| Tool | Cable Tie Cross Section | Cable Tie Usage | | Operation | Typical Application (s) |
|-----------------------------------|-----------------------------------|-----------------|-------------------|--------------------|---|
| | | Per Minute | Per Year | | |
| GTS | Submin. Min., Int. or Std. | 4-6 | Under 50,000 | Hand | Low to Medium Volume OEM tie usage, maintenance/repair or construction |
| GS2B | Min., Int. or Std. | | | | |
| GTH | Std. Lt. Hvy. or Hvy. | | | | |
| GS4H | | | | | |
| GS4H/B | Std., Hvy. Std., Lt. Hvy. or Hvy. | | | | |
| GS4H121W | | | | | |
| GS4EH | Lt. Hvy., Hvy. or Ex. Hvy. | | | | |
| STS2 | Min., Int. or Std. | 1-4 | Under 10,000 | Hand | Maintenance/repair or construction |
| STH2 | Std., Lt. Hvy. or Hvy. | | | | |
| ST2EH | Lt. Hvy., Hvy. or Ex. Hvy. | | | | |
| PTS | Submin., Min., Int. or Std. | 5-8 | Up to 250,000 | Pneumatic | Medium to High Volume OEM tie usage where a variety of tie sizes are needed |
| PPTS | Min., Int. or Std. | | | | |
| PPTEH | Lt. Hvy., Hvy. or Ex. Hvy. | | | | |
| PAT1M/PAT1.5M Systems (Automatic) | Min. | 30-40 | 250,000 and above | Pneumatic/Electric | High Volume OEM tie usage |

Hand-Operated Tools — Tool-Controlled Tension and Cut-Off






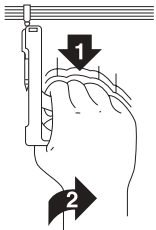


- *PANDUIT* cable tie installation tooling ensures quick, secure cable installations. Tool-controlled tension allows ties to be installed without abrading or damaging cable.
- Requires no special maintenance
- Lightweight and balanced
- High reliability
- Easy to change tension adjustment and easy to operate
- Proven features to help lower installed costs; a combination of design, operating, and construction features provides a long service life
- Provides a comfortable grip and handle for all hand sizes
- Engineered to promote worker safety, reduce downtime, increase productivity, and provide the lowest total installed cost
- Replacement blade and accessories available see page 53
- Installs *PANDUIT* Cable Ties up to 12.7mm wide

| Part Number | Part Description | Std. Pkg. Qty. |
|---|--|----------------|
|  | <p>New ergonomic design. Installs Subminiature, Miniature, Intermediate and Standard cross section cable ties. Qualified Product Listed per Mil. Std. MS90387-1 and Mil. Spec. MIL-T-81306A.</p> <p>Colour Identification: Black Trigger Handle Body: Grey Polymer Housing with Black Selector Knob Weight: 249g</p> | 1 |
|  | <p>Installs Miniature, Intermediate and Standard cross section cable ties. Qualified Product Listed per Mil. Std. MS90387-1 and Mil. Spec. MIL-T-81306A.</p> <p>Colour Identification: Black Trigger Handle Body: Grey Metal Housing with Black Selector Knob Weight: 327g</p> | 1 |
|  | <p>New ergonomic design. Installs Standard, Heavy-Standard, Light-Heavy and Heavy cross section cable ties.</p> <p>Colour Identification: Red Trigger Handle Body: Grey Polymer Housing with Red Selector Knob Weight: 318g</p> | 1 |
|  | <p>Installs Standard, Light-Heavy and Heavy cross section cable ties. Qualified Product Listed per Mil. Std. MS90387-1 and Mil. Spec. MIL-T-81306A.</p> <p>Colour Identification: Red Trigger Handle Body: Grey Metal Housing with Red Selector Knob Weight: 454g</p> | 1 |
|  | <p>Installs Light-Heavy and Heavy cross section cable ties. High tension is factory set and non-adjustable.</p> <p>Colour Identification: Blue Trigger Handle Body: Grey Metal Housing Weight: 454g</p> | 1 |
|  | <p>Installs Light-Heavy and Heavy cross section cable ties. Provides greater tension, especially on 778N strength ties, for a tighter bundle.</p> <p>Colour Identification: Green Trigger Handle Body: Grey Metal Housing with Green Selector Knob Weight: 454g</p> | 1 |
|  | <p>Installs Light-Heavy, Heavy and Extra-Heavy cross section cable ties.</p> <p>Colour Identification: Blue Trigger Handle Body: Grey Metal Housing with Blue Selector Knob Weight: 454g</p> | 1 |

Hand-Operated Tools — Installer-Controlled Tension and Cut-Off



- Economical Series of Tools for maintenance or construction applications
- Operator-controlled tension and cut-off
- Used with the full line of *PANDUIT* Cable Ties
- Excellent tool for low volume applications

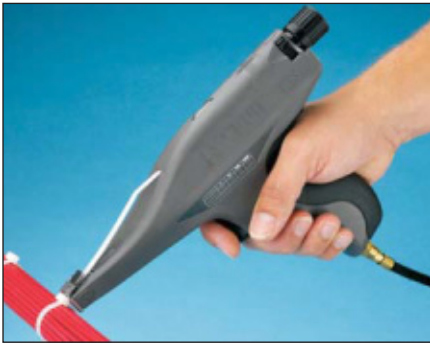
| Part Number | Part Description | Std. Pkg. Qty. |
|---|--|----------------|
|  <p>STS2</p> | <p>Installs Miniature, Intermediate and Standard cross section cable ties. Inexpensive, maintenance-free, all purpose tool. Ergonomic handle design and short handle span. Top loading feature for right or left-handed users.</p> <p>Colour Identification: Black Weight: 71g</p>  | 1 |
|  <p>STH2</p> | <p>Installs Standard, Heavy-Standard, Light-Heavy and Heavy cross section cable ties. Inexpensive, maintenance-free, all purpose tool. Ergonomic handle design and short handle span. Top loading feature for right or left-handed users.</p> <p>Colour Identification: Red Weight: 71g</p>  | 1 |
|  <p>ST2EH</p> | <p>Installs Light-Heavy, Heavy and Extra-Heavy cross section cable ties. Durable all steel construction with comfortable rubber handles.</p> <p>Colour Identification: Black Handles Weight: 454g</p>  | 1 |

Pneumatic Hand Tools — Tool-Controlled Tension and Cut-Off

PANDUIT pneumatic tools tension and cut off excess tie after it is hand-installed around the bundle, minimising operator fatigue. Tools are rugged, yet lightweight.

For *PANDUIT* Cable Ties up to 12.7mm wide

- Easy to change tension adjustment
- Requires no special training to use
- Durable, lightweight, easy to operate, and designed to reduce operator fatigue
- Tensions and cuts off excess tie in a fraction of a second
- Operates on non-lubricated air, without special maintenance



| | Part Number | Part Description | Std. Pkg. Qty. |
|---|---------------|---|----------------|
|  | PTS | Pneumatic hand tool. Operates on 4.8 – 6.1 bar, non-lubricated air without special maintenance. Installs the following cable tie cross sections: Subminiature (36N); Miniature (80N); Intermediate (178N); Standard (222N) Weight:17.3 oz. (490g); Grey plastic moulded housing; Black Trigger Button; Black Selector Knob. | 1 |
|  | PPTS | Installs Miniature, Intermediate, or Standard cross section cable ties Colour identification: Black Selector Knob Weight: 427g Replacement part kits can be part of a scheduled maintenance program | 1 |
|  | PTH | Pneumatic hand tool. Operates on 4.8 – 6.8 bar, non-lubricated air without special maintenance. Installs the following cable tie cross sections: Standard (222N); Heavy-Standard (378N); Light-Heavy (534N); Heavy (778N) Weight: 32.0 oz. (907g); Grey plastic moulded housing; Red Trigger Button; Red Selector Knob. | 1 |
| <p>Filter Regulator and Hose</p> | PPH10G | 3m hose assembly with 3.2mm male connector (to regulator) and a 15.5mm quick disconnect socket (to tool). | 1 |
|  | MK06 | Filter / Regulator 4 micron (max) element, 0.5 bar pressure drop @ 6.3 bar pressure and 260 litres flow per minute @ 6.3 bar. The MK06 comes with: > on the left site a DIN push-in connector. > on the right site a Series C Fitting suitable for 6/4mm hose (PPH10G) Use with PTS and PTH. | 1 |

Note: PTS, PPTS and PPTH tools require the PPH10G hose and MK06 Filter/Regulator for proper operation.

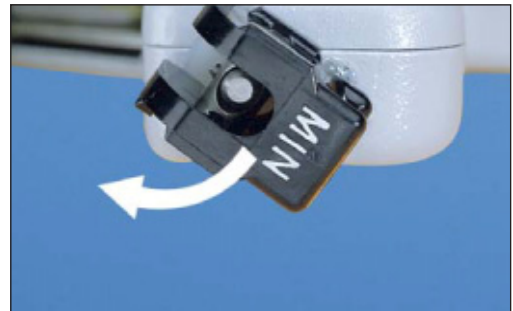
Adjustment Features

Each cross section of cable ties can be installed with a variety of tensions to meet the application. The proper tension range is marked on each package of cable ties.

Fast and Easy Selection



GTS Tool — Tension Setting Dial



GS2B Tool — Tension Setting Knob

Tool Tension Lock Kits

Certain applications require a locking device on the selector knob (one cross-section size and tension only).

| Part Number | Part Description | Std. Pkg. Qty. |
|---------------|--|----------------|
| KGSTL | Tool Tension Locking Kit for GTS Tool | 1 |
| KGHTL | Tool Tension Locking Kit for GTH Tool | 1 |
| KPTSTL | Tool Tension Locking Kit for PTS Tool | 1 |
| TTLK3 | Tool Tension Locking Kit for use with GS-family tools. | 1 |

Repair Parts

Can be part of a scheduled maintenance plan or use only when cutoffs are not clean and crisp.

Tool Repair Parts - Blade Replacement and Gripper Replacement Kits

| | | |
|-----------------|--|---|
| KGTSBLD | Blade Replacement Kit for GTS/PTS Tool | 1 |
| KGTHBLD | Blade Replacement Kit for GTH Tool | 1 |
| K2-BLD2 | Blade Replacement Kit for GS2B and PPTS (all versions) | 1 |
| K4H-BLD | Blade Replacement Kit for GS4H Series (3-screw blade guard only) | 1 |
| K4EH-BLD | Blade Replacement Kit for GS4EH Series | 1 |
| KPTEHB | Blade Replacement Kit for PPTEH | 1 |
| KPTEHG | Gripper Replacement Kit for PPTEH | 1 |
| KPTSG | Gripper Replacement Kit for PPTS | 1 |
| KST2EHG | Gripper Replacement Kit for ST2EH | 1 |



**GHH —
HOLSTER**

Hand Tool Accessory

| | | |
|------------|---|---|
| GHH | Specifically designed to hold GTS and GS (series) or PPTS tool. Used wherever the hand tools are used — construction sites to assembly lines for a convenient and handy place for the the tool. | 1 |
|------------|---|---|

PAT1M/PAT1.5M Reel-Fed Systems for Miniature Cross Section Cable Ties – 80N minimum loop tensile strength



- The system consists of the tool head, dispenser, feeder hose and continuously moulded, reel-fed cable ties (5000 ties per reel). Each system will install a cable tie in less than one second
- Choice of two tool head sizes for bundle diameters up to 21mm or up to 33mm
- The dispenser and hose are designed to operate with either tool head for maximum versatility and economy
- The system design permits complete mobility in the use of the tool and location of the dispenser
- The system operates on 4.42bar. (minimum) non-lubricated, filtered air and 100 - 240 VAC, 50 or 60 Hz - Automatically adjusts within this range
- Optional bench mount shown on page 55
- Choice of 3 materials

Tool Heads



| Part Number | Part Description | Std. Pkg. Qty. |
|----------------|--|----------------|
| PAT1M | Tool head for cable ties up to 21mm bundle diameter (PLT1M-XMR). <ul style="list-style-type: none"> • Lightweight - no counter-balance required. • Slim ergonomically designed handle for operator comfort and greater productivity. • Reduces potential for repetitive motion injuries. • Right or left hand operation. • Durable, one-piece cable tie tip collector (for cut-off tips). • Includes tension adjustment. • Built-in safety interlock prevents false triggering if anything obstructs jaw path. | 1 |
| PAT1.5M | Tool head for cable ties up to 33mm bundle diameter (PLT1.5M-XMR). <ul style="list-style-type: none"> • Lightweight - no counter-balance required. • Slim ergonomically designed handle for operator comfort and greater productivity. • Reduces potential for repetitive motion injuries. • Right or left hand operation. • Durable, one-piece cable tie tip collector (for cut-off tips). • Includes tension adjustment. • Built-in safety interlock prevents false triggering if anything obstructs jaw path | 1 |
| PDM | Stationary dispenser for 100 VAC 120 VAC and 230 VAC. <ul style="list-style-type: none"> • LCD display monitors performance. If an error occurs, an alarm is sounded. • On-line HELP menu. • Multi-language capability via LCD display (English, Spanish, German, Italian or French). • Cable tie reels are easily loaded into the dispenser, reducing downtime. • Audible reload signal when reel is empty. • Minimum maintenance required. • Power cord included. | 1 |
| PHM1 | 1m, 2m and 3m Feeder Hose <ul style="list-style-type: none"> • Transfers cable ties and signal from dispenser to tool. | 1 |
| PHM2 | <ul style="list-style-type: none"> • Available in three lengths for either tool head. • Reversible. | 1 |
| PHM3 | <ul style="list-style-type: none"> • Large electrical connectors for quick, easy and secure connections. | 1 |
| HS3X | Filter/regulator 25 micron (max.) element, 0.3bar (max.) pressure drop @ 5.8bar pressure, and 425 litres per minute flow @ 5.8bar; 9.5mm ports. Air hose from filter/regulator to dispenser, 3m. Includes standard air fittings. | 1 |

Dispenser



Feeder Hose



Other Components



PATMBM Bench Mount used with PAT1M/PAT1.5M Automatic Systems for Miniature Cross Section Cable Ties (80N) minimum loop tensile strength



For Operations Where the Application is Brought to the Tool

- Used with either PAT1M or PAT1.5M tool head
- Supplied with a foot-actuated pedal to allow operator to work with both hands
- A tool can be installed in the mount in seconds
- Supplied with a four-hole base plate
- The bench mount operates on 4.4bar non-lubricated, filtered air which pilots off of the dispenser.

In addition to tool head, dispenser, feeder hose and cable ties on reels; order the following:

| Part Number | Part Description | Std. Pkg. Qty. |
|-------------|--|----------------|
| PATMBM | Bench mount and foot pedal for PAT1M/PAT1.5M system, four-hole base plate. | 1 |

Cable Ties for PAT1M/PAT1.5M Systems

Continuously moulded cable ties in sizes, colour and material options to meet the application.



Cable Ties on Reels



- Miniature cross section cable ties
- Self-Locking
- UL Recognized & UL Listed

| Part Number | Colour | Max. Bundle Dia. | Length | Width | Min. Loop Tensile Str. | Use with PANDUIT Installation System |
|-------------|--------|------------------|--------|-------|------------------------|--------------------------------------|
| | | mm | mm | mm | N | |

Nylon 6.6 for indoor use up to 85°C

| | | | | | | |
|-------------|---------|----|-----|-----|----|---------|
| PLT1M-XMR | Natural | 21 | 102 | 2.5 | 80 | PAT1M |
| PLT1M-XMR1 | Brown | | | | | |
| PLT1M-XMR2 | Red | | | | | |
| PLT1M-XMR3 | Orange | | | | | |
| PLT1M-XMR4 | Yellow | | | | | |
| PLT1M-XMR5 | Green | | | | | |
| PLT1M-XMR6 | Blue | | | | | |
| PLT1M-XMR7 | Purple | | | | | |
| PLT1M-XMR8 | Grey | | | | | |
| PLT1M-XMR10 | White | | | | | |
| PLT1.5M-XMR | Natural | 33 | 142 | | | PAT1.5M |

Weather-Resistant Nylon for outdoor use up to 85°C

| | | | | | | |
|--------------|-------|----|-----|-----|----|---------|
| PLT1M-XMR0 | Black | 21 | 102 | 2.5 | 80 | PAT1M |
| PLT1.5M-XMR0 | | 33 | 142 | | | PAT1.5M |

Heat Stabilised Nylon for indoor use up to 115°C

| | | | | | | |
|---------------|-------|----|-----|-----|----|---------|
| PLT1M-XMR30 | Black | 21 | 102 | 2.5 | 80 | PAT1M |
| PLT1.5M-XMR30 | | 33 | 142 | 2.5 | 80 | PAT1.5M |

Weather Resistant Nylon

| | | | | | | |
|---------------|-------|----|-----|-----|----|---------|
| PLT1M-XMR00 | Black | 21 | 102 | 2.5 | 80 | PAT1M |
| PLT1.5M-XMR00 | | 33 | 142 | 2.5 | 80 | PAT1.5M |

Flammability Rating: UL94V-2, ATB < sec. per ASTM-D635
5,000 ties/reel - 2 reels/ctn.