









### Inspired by automation

Highly automated production requires processes you can count on, which is why our developers have systematically enhanced our automated bundling techniques. The Autotool CPK hybrid (see page 538) can be used with a battery or a power pack. It offers high reproducibility of binding results, individual control and complete documentation. Bulk quantities – such as in cable confectioning, the automotive industry and the packaging sector – can be processed more quickly and reliably as a result.





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## 6.1 Automatic Cable Tying System

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## 6.2 Application Tooling for Cable Ties

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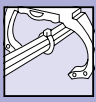
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### Automatic bundling up to Ø 20 mm

#### CPK hybrid T18RA

The Autotool CPK hybrid T18RA is an automated cable tying system that is either operated electrically with a Power pack or with a battery. It has been developed to speed up bundling processes and to make the production more consistent and efficient. Besides the high speed bundling, this cable tying system is characterized by its simple operation and user-friendly ergonomics. The CPK hybrid offers a display for the settings and presets and user information in 20 languages. One main feature of the CPK hybrid is the software "HT Data Management CPK".

This feature enables the easy parameterization of the tool for customers applications. The parameterization can easily be carried out via computer. Additionally the "HT Data Management CPK" offers an export function for the saved manufacturing data as well as further service functions. Therefore it ensures a consistent documentation for every binding process through the tool. The firmware of the CPK hybrid tool enables various bundling and cutting functions. It is possible to define a loop diameter and to choose the length of an extended strap as an example. The function to cut with the tension released is of great value especially for applications with a very flexible bundling good (like silicone cables).

The CPK hybrid is ideally suited for handling high volume applications in wire harness facilities, automotive and industrial companies, in the packaging sector and in the solar industry. With either the Bench mount kit CPK or the Overhead suspension CPK, the CPK hybrid is suitable for both stationary and flexible applications.

By using the optional Power pack CPK with control box the CPK hybrid can be integrated into fully automated production lines through a serial interface. Due to the removable handle less assembly space is needed. When using the battery at the bottom of the handle the tool can be used without the need for a power supply.

Bandoliers of 50 cable ties as well as reels of 3,500 cable ties can be used.

#### Features and benefits

- Cable tying system operated electrically via Power pack or with a battery
- Power supply through Power pack CPK - Input: 100-240 V a.c., 50/60 Hz; Output: 25.2 V d.c., max. 150 W
- Or use with 18V 2,0 Ah rechargeable Li-Ion Battery
- Integration into fully automated production lines (Power pack CPK with control box necessary)
- Cycle time 0.65 - 1.0 sec. depending on quality and force
- Stationary and flexible use with devices possible or independently with battery
- HT Data Management CPK software (included) - for extensive data evaluation and monitoring of the tensioning process
- User-friendly menu in various languages included
- Process-reliable, constant and reproducible bundling and cutting up to Ø 20 mm
- Removable handle for space-saving integration into automated production lines



[www.HellermannTyton.co.uk/CPK-hybrid-cat22](http://www.HellermannTyton.co.uk/CPK-hybrid-cat22)

TYPE	Article-No.
Autotool CPK hybrid	106-60000

Subject to technical changes.



Automated cable tie gun CPK hybrid - can be operated with Power Pack or battery.



Autotool CPK hybrid with Power Pack and Overhead Suspension.

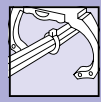


Battery-operated Autotool CPK hybrid applying cable ties from bandolier.

<b>Power Supply</b>	Electronically operated or battery operated
<b>Cycle Time</b>	0.65-1.0 sec. depending on quality and force
<b>Weight</b>	1.559 kg
<b>Tension Setting</b>	Adjustable

RoHS





### Automatic bundling up to Ø 20 mm

#### Power supply for Autotool CPK hybrid

#### Features and benefits

- Cable tying system operated electrically via Power pack or with a battery
- Power supply through Power pack CPK - Input: 100-240 V a.c., 50/60 Hz; Output: 25.2 V d.c., max. 150 W
- Or use with 18V 2,0 Ah rechargeable Li-Ion Battery
- Integration into fully automated production lines (Power pack CPK with control box necessary)
- Smart Cable for updating the tool without Power pack



Power pack CPK Autotool CPK hybrid.



CAS battery 18 V for automated cable tie gun CPK hybrid.

TYPE	Article-No.
SP_CPK_CAS_Battery_Charger_UK	106-06022
SP_CPK_CAS_Battery_18V_2Ah	106-06020
NP CPK smart cable	123-90142
Power pack CPK	106-00100
Power pack CPK with control box	106-00110

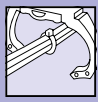
All dimensions in mm. Subject to technical changes.



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[www.HT.click/49-539](http://www.HT.click/49-539)





### Automatic bundling up to Ø 20 mm

#### Accessories for Autotool CPK hybrid

#### Features and benefits

- Bench mount kit CPK for stationary use
- Overhead suspension CPK for flexible use
- Force measurement device CPK to measure the linear tensile force of the Autotool CPK hybrid. Available with grip mount or robot adapter



Bench mount kit CPK with foot pedal (also shown Autotool CPK hybrid, Power pack CPK and T18RA3500).

TYPE	Article-No.
Bench mount kit CPK	106-00040
Force measurement device with grip mount CPK	106-29010
Force measurement device with robot adapter CPK	106-29011
HH20	120-00080
Overhead suspension CPK	106-00050

Subject to technical changes.



Overhead suspension CPK with Autotool CPK hybrid battery operated (also shown T18RA3500).





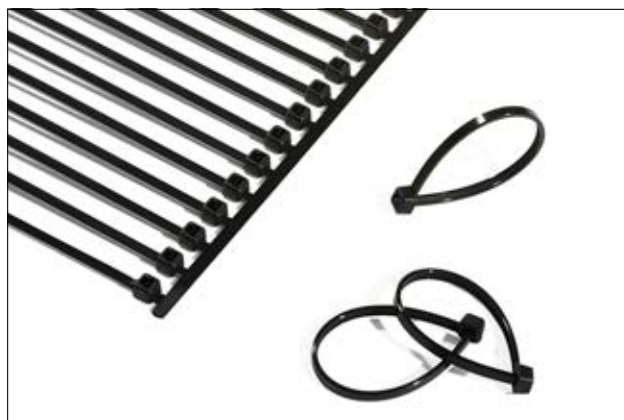
### Automatic bundling up to Ø 20 mm

#### Cable ties for Autotool CPK hybrid

The inside-serrated cable ties are designed for use specifically in the automatic cable tying systems. The Autotool CPK hybrid is ideally suited for handling high volumes applications in wire harness facilities, automotive and industrial companies as well as the packaging sector.

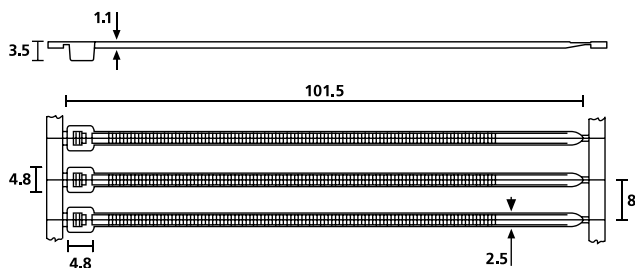
#### Features and benefits

- Available in bandoliers of 50 cable ties or reels of 3,500 cable ties
- Repetitive tension on the bundles
- Easily recyclable



Cable ties for Autotool CPK hybrid.

<b>MATERIAL</b>	Polyamide 6.6, heat stabilised (PA66HS)	Polyamide 6.6, heat and UV-resistant (PA66HSW)	Polyamide 4.6 (PA46)
<b>Operating Temperature</b>	-40 °C to +105 °C, (+145 °C, 500 h)		-40 °C to +150 °C, (+195 °C, 500 h)
<b>Flammability</b>	UL 94 V2		



Bandoleer T18RA



Please find the corresponding Bundling Clips on page 136.

TYPE	Bundle Ø max.	N	Colour	Material	Pack Cont.	Article-No.
T18RA50	20.0	80	Black (BK)	PA66HSW	2,000 pcs.	120-40020
T18RA3500	20.0	80	Black (BK)	PA66HSW	3,500 pcs.	120-50010
	20.0	80	Natural (NA)	PA46	3,500 pcs.	120-46009
T18RA50	20.0	80	Natural (NA)	PA66HS	2,000 pcs.	120-40019
T18RA3500	20.0	80	Natural (NA)	PA66HS	3,500 pcs.	120-50009

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.  
More colours on request. Please contact us.



= Minimum Loop Tensile Strength for Cable Ties (newton)

Halogen-free according to the interdictions of the GADSL list and compulsory registration of the SVHC list.



For product specific approvals and specifications please refer to the Appendix.

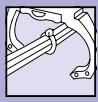


Add items to your watchlist!

[www.HT.click/49-541](http://www.HT.click/49-541)







### Waste-free bundling up to Ø 100 mm

#### Autotool System 3080

The Autotool System 3080 is an automated and electric cable tying system. It has been developed to speed up bundling processes and operates waste-free.

The advantage of three quick-changeable jaw sizes allows the Autotool System 3080 to adapt perfectly to different bundle diameters up to Ø 100 mm.

With either the Bench mount kit 3080 or the Overhead suspension 3080, the Autotool System 3080 is suitable for both stationary and flexible applications. The Autotool System 3080 can also be integrated into fully automated production lines.

Custom designed jaws are available to enable bundling of foot parts on production lines.

#### Features and benefits

- Electrically operated cable tying system (Power pack 3080 necessary)
- Power pack 3080 - Input: AC 100 V - 230V, 3A 50/60 Hz, Output: 48 V d.c., 100 W
- High quality, waste-free bundling up to Ø 100 mm with flush cut off
- Jaws with diameters of 30, 50 and 80 mm - included in delivery
- 100 mm jaw size solution as accessory on request
- Cycle time 1.1-2.4 seconds depending on bundle diameter
- Integration into Bench mount kit 3080 or Overhead suspension 3080 possible
- Integration into fully automated production lines possible
- Foot part bundling with custom jaw design Ø 50 mm



[www.HellermannTyton.co.uk/ATS3080-cat22](http://www.HellermannTyton.co.uk/ATS3080-cat22)

TYPE	Article-No.
ATS3080	102-00000
Power pack 3080	102-00100

Subject to technical changes.



Autotool System 3080.



Autotool System 3080 with three different jaws - to optimize the cycle time for different bundle diameters.



Power pack 3080.

Power Supply	Electrically operated
Cycle Time	1.1-2.4 sec. depending on bundle diameter
Weight	2.068 kg
Tension Setting	Adjustable

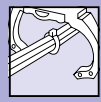
RoHS



Add items to your watchlist!

[www.HT.click/49-542](http://www.HT.click/49-542)





### Waste-free bundling up to Ø 100 mm

#### Accessories for Autotool System 3080

#### Features and benefits

- Bench mount kit automatic 3080 in fully automated production lines
- Bench mount kit horizontal 3080 for horizontal use in fully automated production lines
- Bench mount kit 3080 for stationary use, foot pedal included
- Overhead suspension 3080 for flexible use



Bench mount kit 3080 with foot pedal (also shown: Autotool System 3080, Power pack 3080 and consumables).



Optional: Bench mount kit 3080 with table board.



Packaging application with Bench mount kit horizontal 3080.



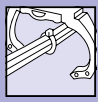
Overhead suspension 3080 (also shown: Autotool System 3080 and consumables).

TYPE	Article-No.
ATS3080 mod. 100mm	102-10000
Bench mount kit automatic 3080	102-00042
Bench mount kit horizontal 3080	102-00041
Bench mount kit 3080	102-00040
Overhead suspension 3080	102-00050

Subject to technical changes.



Add items to your watchlist!  
[www.HT.click/49-543](http://www.HT.click/49-543)



### Waste-free bundling up to Ø 100 mm

#### Cable ties for Autotool System 3080

The outside serrated strap is perfectly suitable for sensitive surfaces and can be used for bundling and fixing of cables, pipes and hoses, as well as for bag sealing.

The materials are particularly appropriate for high volume bundling applications in cable assembly, automotive, industrial and packaging applications.

#### Features and benefits

- Innovative two-piece consumables: closure and strap
- Outside serrated strap protects the bundle
- Available on reels of 500 m strap and 5,000 pcs. closures



Closures and strap for ATS3080.

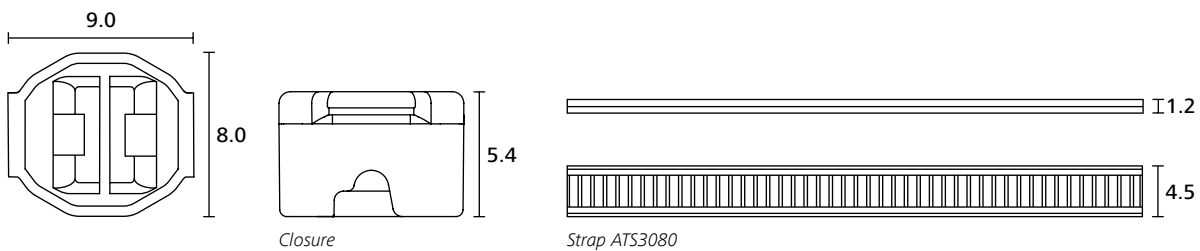
<b>MATERIAL</b>	Polyamide 6.6, high impact modified, heat and UV-stabilised (PA66HIRHSUV)	Polyamide 6.6, heat and UV-stabilised (PA66HSUV)
<b>Operating Temperature</b>	-40 °C to +95 °C, (+105 °C, 5000 h; +145 °C, 500 h)	-40 °C to +105 °C, (+145 °C, 500 h)
<b>Flammability</b>	UL 94 HB	UL 94 V2

RoHS ✓

RoHS ✓



Please find the corresponding Bundling Clips on page 136.



TYPE	Bundle Ø max.	N	Colour	Material	Pack Cont.	Article-No.
Closures Black ATS3080	100.0	225	Black (BK)	PA66HSUV	5,000 pcs.	102-66210
Closures Natural ATS3080	100.0	225	Natural (NA)	PA66HSUV	5,000 pcs.	102-66209
Strap Black ATS3080	100.0	225	Black (BK)	PA66HIRHSUV	500 m	102-66110
Strap Natural ATS3080	100.0	225	Natural (NA)	PA66HIRHSUV	500 m	102-66109

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

= Minimum Loop Tensile Strength for Cable Ties (newton)



**Tensioning Tools for Cable Ties**



MK10-SB.  
See page 550

1



MK20, MK21.  
See page 550

2, 3



MK3PNSP2.  
See page 551

4



EVO7/EVO7SP.  
See page 553

5



MK7P.  
See page 555

6



EVO9/EVO9SP, EVO9SG.  
See page 554

7, 8



EVO9HT.  
See page 554

9



MK9P.  
See page 556

10

**Tensioning Tools for Cable Ties KR-Series**



KR6/8.  
See page 557

11



EVO KR.  
See page 557

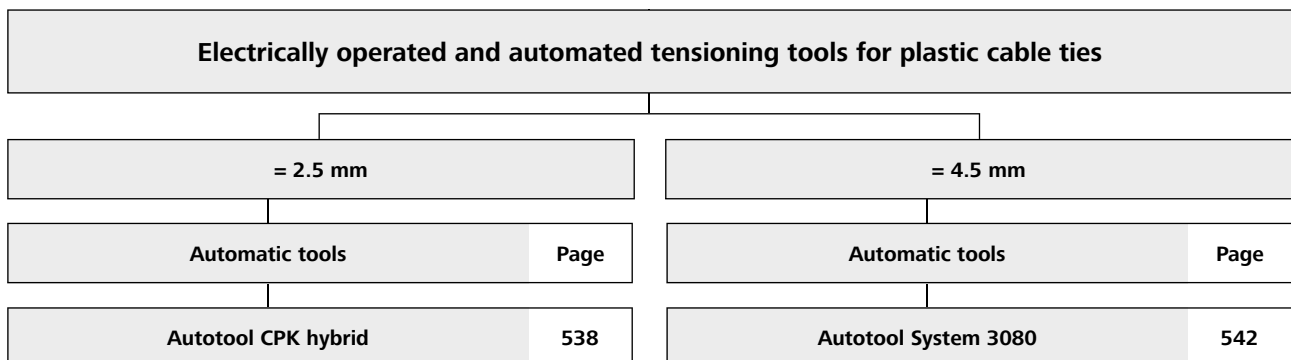
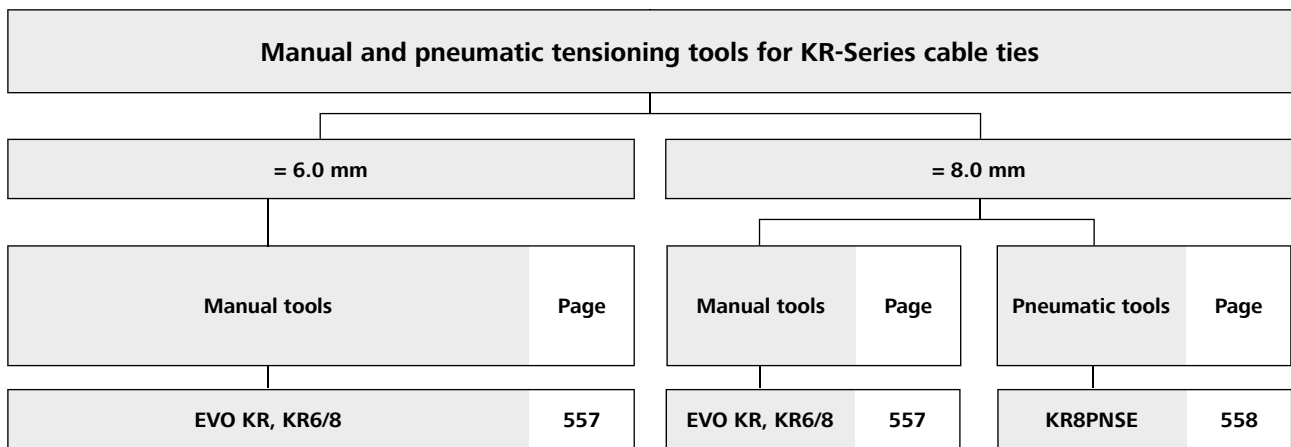
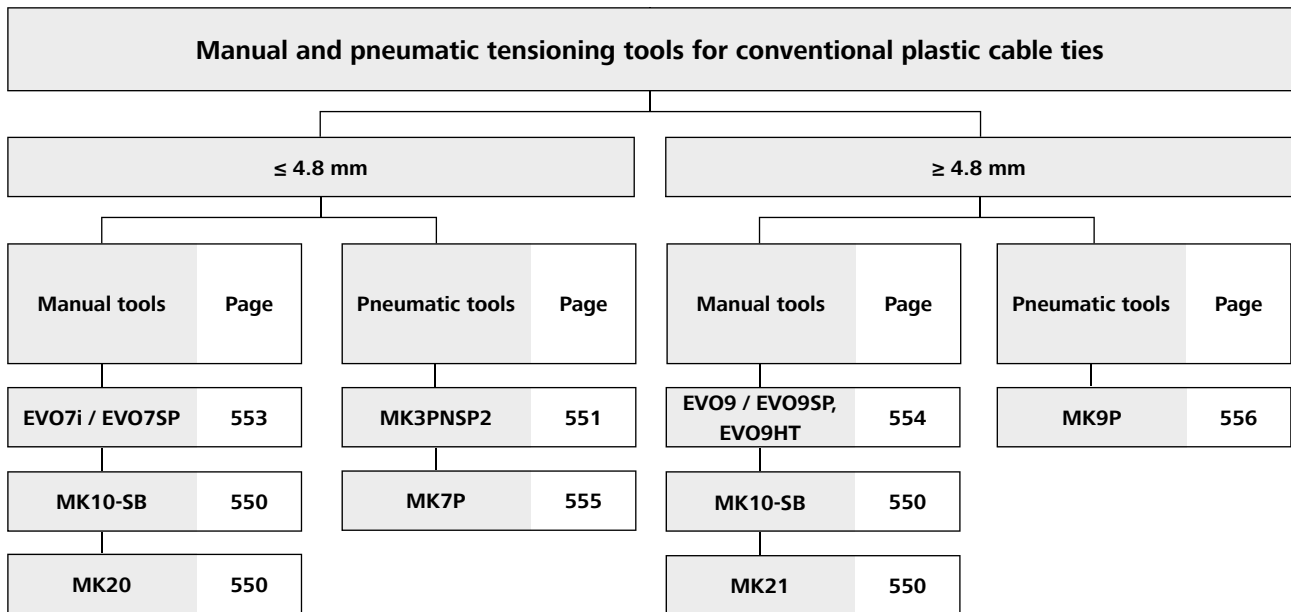
12



KR8PNSE.  
See page 558

13

### Flowchart for optimum tool selection



## Tensioning Tools for Metal Ties



MK9SST.  
See page 559

15



MK9PSST.  
See page 559

16



HDT16.  
See page 560

17



KST-STG200.  
See page 560

18



MST6.  
See page 561

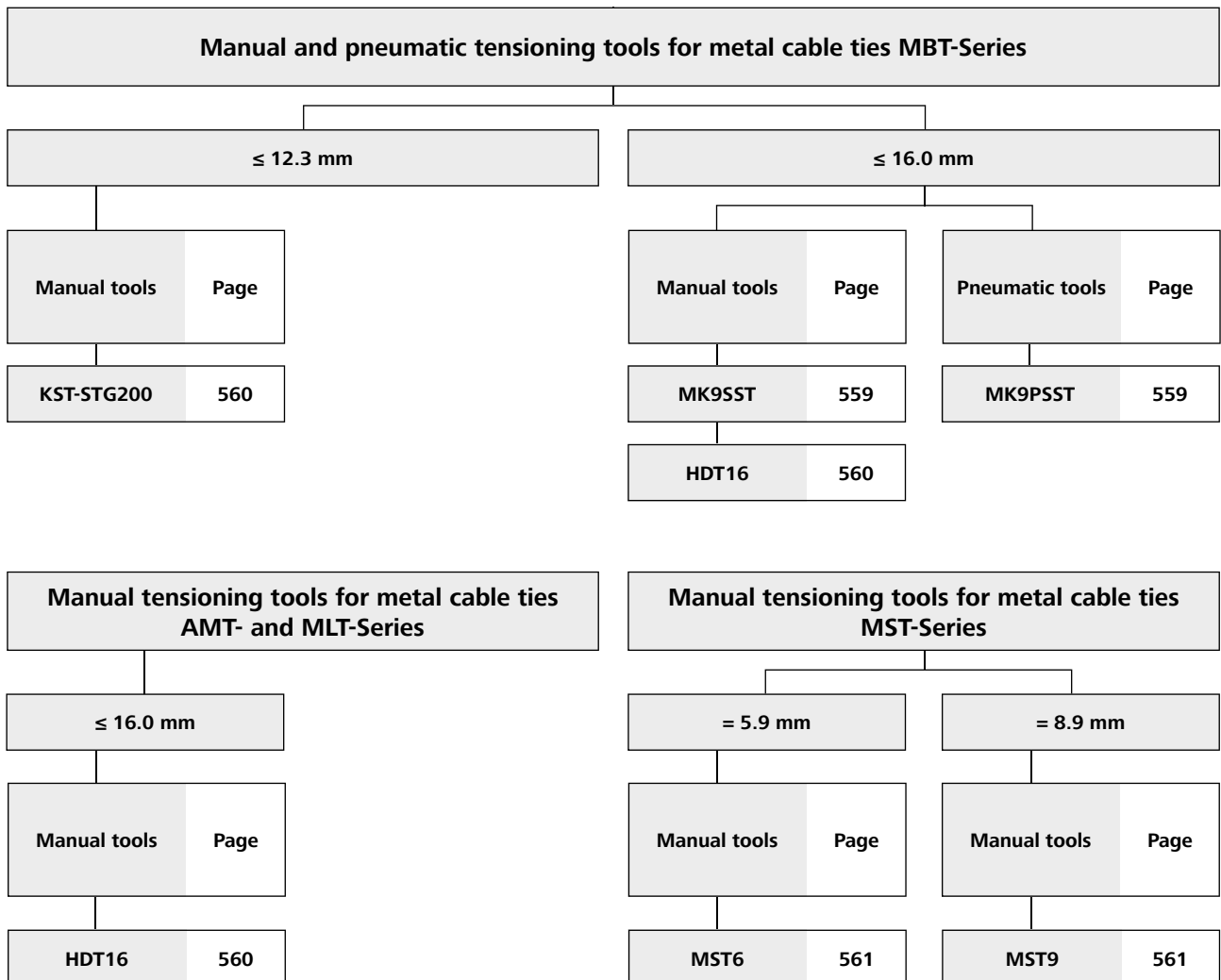
19



MST9.  
See page 561

20

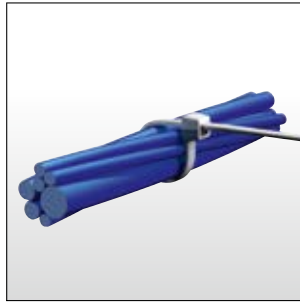
## Flowchart for optimum tool selection



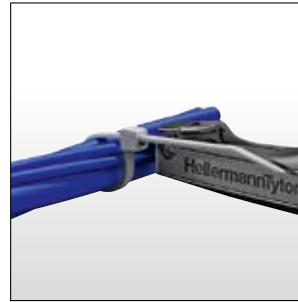
### How to use a cable tie tool (using an EVO7 as an example)



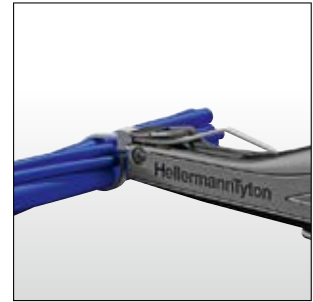
1. Use tension adjustment knob to select your desired tension setting.



2. Fasten a nylon HellermannTyton cable tie around the bundle.



3. Insert strap of cable tie through side opening of nosepiece.



4. Place front of nosepiece flush to the head of the cable tie.



5. Pull trigger until cable tie tensions and cuts.

### Tool testing - Determination of tensions

To date, no generally applicable test method has been established on the market. The companies within the HellermannTyton group work with a usual force meter with minimum 10 kHz frequency of data sampling to determine the tensile forces of the tools and to guarantee the quality of the tools.

It is more difficult to test cable tie tools than would appear at first glance. It is of supreme importance to comply with a standardised test procedure and consistent test conditions, e.g. the size and cross-section of the cable ties and the water content of the tie. A test using different ties and / or different conditioning can easily lead to different values.

In general, the speed of cut-off, the position of the tool with respect to the cable tie, the condition of the wearing parts in the tool and the state of the cable tie play a fundamental role in the determination of tensile forces.

Therefore we must point out that any values we provide must only ever be regarded as guide values for your information. The values cannot be transferred into practice "one for one".

In our user instructions, we specify an adjustment range for each type of cable tie. If tension values must be documented or comply with a specification, we recommend that you adjust them with the aid of the

force meter. Also, as a guideline, half the minimum holding strength of the cable tie should be used as tensile force.

The minimum tensile strength (also referred to as minimum unlocking strength) is the least force which the cable tie can withstand before it tears or stretches. This strength is determined using a threaded tie, hence the following formula should be used for guidance as to the correct tensile force of the tool:

$$\frac{\text{Min. tensile strength}}{2} = \text{recommended tensile force}$$

#### Example:

$$T50R = \frac{225 \text{ N minimum tensile strength}}{2}$$

$$\frac{225 \text{ N}}{2} = 112.5 \text{ N recommended tensile force according to formula}$$

The tensile force can of course be adjusted up or down, in line with the corresponding application.

Please bear in mind that this statement applies only to HellermannTyton products. Cable ties from other manufacturers may require a higher or lower force setting.

In order to secure the device after it has been adjusted using the force meter against manipulation or unintentional maladjustment, HellermannTyton offers an adjustment safety cap (Art. No.: 110-07200

for MK7HT, MK7P, MK9SST, MK9P) which you can push onto the device after removing the adjustment unit (loosening a screw is all it takes to remove).

After a period of time, to be defined, you test the device again and if necessary re-adjust it. The problem of determination of forces depends on the individual case and has no direct connection with the quality of our product. An exact value for each setting (e. g. in newtons), without stating a tolerance, cannot be confirmed.

### Test set-up with a usual force meter and EVO7 cable tie tool.



The following describes how to check the tension force of a manual tensioning tool.

1. Lay the cable tie (green) into the fixture (A).
2. Bring the nose piece of the tensioning tool (B) flush to the test block (C).
3. Insert the strap of the cable tie into the tensioning tool and pull the strap flush against the fixture (A).
4. Re-set the force meter (D) to zero.
5. Pull the trigger of the tensioning tool continuously until the cable tie is cut.
6. The tension force achieved at the cut off point is determined.





### Manual tensioning tool for cable ties with low profile head

**MK10-SB up to 9.5 mm strap width**

#### Features and benefits

- Ideal for easy handling of entire HellermannTyton RPE, PE and LPH series
- Tensions and cuts off pre-looped cable ties flush at the head



MK10-SB.

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MK10-SB	9.5	2.5	0.372 kg	110-10001

All dimensions in mm. Subject to technical changes.

### Manual tensioning tool for cable ties, simple version

**MK20 up to 4.8 mm strap width**

**MK21 up to 7.6 mm strap width**

#### Features and benefits

- Lightweight, ergonomic tools
- For tensioning and cutting standard cable ties 4.8 - 7.6 mm width
- Ideal for on-site assembly
- Mounted and pretensioned ties are cut off by twisting tool
- Simply apply cable tie, tension and twist to cut



MK20, MK21.

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MK20	4.8	1.5	0.05 kg	110-20006
MK21	7.6	2.5	0.04 kg	110-21016

All dimensions in mm. Subject to technical changes.





### Pneumatic tensioning tool metal housing

#### MK3PNSP2 up to 4.8 mm strap width

#### Features and benefits

- Pneumatic tensioning tool
- Tough metal housing
- For cable ties up to 4.8 mm width
- For consistent tensioning and automatically flush cutting
- Infinitely adjustable tension force
- High application speed
- Reliable and low maintenance



The pneumatic tensioning tool MK3PNSP2 for plastic cable ties with max. width of 4.8 mm.

<b>Air Supply</b>	Non oiled, oiled
<b>Air Pressure (min.)</b>	5.5 Bar
<b>Air Pressure (max.)</b>	6 Bar
<b>Hose Internal Diameter</b>	4.0 mm
<b>L x H x W</b>	approx. 225 x 140 x 40mm



TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
<b>MK3PNSP2</b>	4.8	1.5	0.555 kg	110-03400
<b>SP MK3PNSP2 air hose 3 meters</b>	-	-	0.139 kg	110-30002
<b>SP MK3PNSP2 cutting blade</b>	-	-	0.001 kg	110-30101

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!  
[www.HT.click/49-551](http://www.HT.click/49-551)





### The EVO family delivers maximum performance whilst protecting muscles and joints

#### The next generation of application tools impresses with its advanced technology.

With the EVO family HellermannTyton has developed truly ergonomic cable tie application tools that are unique in the market, perfectly combining convenience with function. **The heart of the EVO family is the innovative TLC-technology (Tension/Lock/Cut).** This is designed to revolutionise the application of cable ties by significantly reducing the cutting effort. The EVO family cuts cable ties with ease, delivering a flush clean finish with no excess strap, whilst enormously reducing physical strain on the user.



#### The patent-pending TLC-technology delivers increased productivity:

- Application force and effort are significantly reduced
- Precise cutting of the cable tie right at the head
- Smooth fastening of the cable tie without recoil
- Protects muscles and joints and herewith the health of the user

#### Perfect cutting made easy with the EVO family:

From precise preliminary settings to the perfect cut, the EVO family allows an even lighter, gentler and easier cable tie application than ever before. The TLC-technology makes all the difference!



#### 1. Tension

Tension the cable tie as usual. Use the tension adjustment knob to select the desired tension setting.



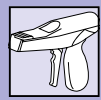
#### 2. Lock

The locking mechanism detects when the desired tension is reached, locking the tie in place prior to cutting. No manual pressure is required to hold the cable tie in place.



#### 3. Cut

For the final cut, very little effort is needed. By simply pulling the trigger back a little to cut the tie. Without recoil and vibration.



### Manual tensioning tool plastic housing

#### EVO7 up to 4.8 mm strap width

HellermannTyton's EVO7 mechanical hand tool was ergonomically designed to reduce the risks of repetitive stress injuries to operators while concurrently increasing productivity. The EVO7 Tension/Lock/Cut Technology delivers performance, safety and comfort for the operators. Available in a standard grip span (EVO7) or short grip span (EVO7SP), for smaller hands. Additional accessories are available.

#### Features and benefits

- Ergonomic, slip-proof handle for a comfortable and secure grip
- Extremely low-maintenance
- Fast and precise application with minimum effort (TLC mechanism)
- Convenient and simple tension adjustment
- Extended, slim nose for use in narrow spaces
- Housing made of resilient and lightweight glass fibre-reinforced polyester
- Standard grip span (90 mm) and short grip span (80 mm) available



**NEW**

*The EVO7i: Maximum performance with minimum effort.*



[www.HellermannTyton.co.uk/EVO7i-cat22](http://www.HellermannTyton.co.uk/EVO7i-cat22)

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
EVO7i	4.8	1.5	0.281 kg	110-77001
EVO7SP	4.8	1.5	0.275 kg	110-70130
SP EVO7 Blade Kit	-	-	0.002 kg	110-70106

All dimensions in mm. Subject to technical changes.

#### CALTOOL for calibration of EVO family

The CALTOOL serves for the fine or readjustment of the EVO family.

#### Features and benefits

- The factory setting (setting 0-8) of the EVO family can be changed



*CALTOOL for calibration of EVO family.*

TYPE	Weight	Article-No.
EVO Calibration Tool	0.032 kg	110-70089

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!

[www.HT.click/49-553](http://www.HT.click/49-553)





### Manual tensioning tool plastic housing

#### EVO9 up to 13.5 mm strap width

The EVO9 is available in a standard grip span 90 mm (EVO9) or short grip span 80 mm (EVO9SP), for smaller hands. Both tools perform between 53 N and 307 N. The EVO9HT (high tension) was designed to apply HellermannTyton cable ties from 120 N until 516 N with a maximum width of 13.5 mm.

#### Features and benefits

- Standard grip span (90 mm) and short grip span (80 mm) available
- Ergonomic, slip-proof handle for a comfortable and secure grip
- Extremely low-maintenance
- Fast and precise application with minimum effort (TLC-technology)
- Convenient and simple tension adjustment
- Integrated 3 position quick adjustment override (EVO9/EVO9SP/EVO9HT)
- Housing made of resilient and lightweight glass fibre-reinforced polyester



The EVO9 with TLC technology.



#### EVO9SG for the application of Soft Grip ties!

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
EVO9SG	12.7	2.9	0.357 kg	110-80130
EVO9	13.5	2.0	0.357 kg	110-80002
EVO9SP	13.5	2.0	0.361 kg	110-80003
EVO9HT	13.5	2.0	0.357 kg	110-80017
SP EVO9 Blade	-	-	0.002 kg	110-80037

All dimensions in mm. Subject to technical changes.





### Pneumatic tensioning tool plastic housing

#### MK7P up to 4.8 mm strap width

The MK7P pneumatic bundling tool sets a new benchmark for the rational application of ties in the industrial production process. Improved compressed air supply moves the tensioning piston faster than in comparable tools.

#### Features and benefits

- Pneumatic tensioning tool
- Light glass-fibre-reinforced housing
- For cable ties up to 4.8 mm width
- For consistent tensioning and automatically flush cutting
- Infinitely adjustable tension force
- High application speed



The pneumatic tensioning tool MK7P for plastic cable ties with max. width of 4.8 mm.



The easy to use quick-set-knob.

<b>Air Supply</b>	Non oiled, oiled
<b>Air Pressure (min.)</b>	3 Bar
<b>Air Pressure (max.)</b>	6 Bar
<b>Hose Internal Diameter</b>	4.0 mm
<b>L x H x W</b>	approx. 220 x 170 x 40 mm



TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MK7P	4.8	1.5	0.87 kg	110-07100
SP MK3PNSP2 air hose 3 meters	-	-	0.139 kg	110-30002
SP MK7P replacement blade	-	-	0.001 kg	110-07111
SP MK7/MK9 Lock cap tensioning knob	-	-	0.011 kg	110-07200

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!  
[www.HT.click/49-555](http://www.HT.click/49-555)



### Pneumatic tensioning tool plastic housing

#### MK9P up to 13.5 mm strap width

The MK9P is constructed with heavy duty parts to ensure optimum performance. It is ideally designed to apply heavy-duty ties like they are used in vehicle construction like trucks, busses and railways.

#### Features and benefits

- Pneumatic tensioning tool
- Glass-fibre-reinforced housing
- For cable ties up to 13.5 mm width
- For consistent tensioning and automatically flush cutting
- Infinitely adjustable tension force
- High application speed
- Holding ring for a balancer
- Optional with lower or upper air attachment



The pneumatic tensioning tool MK9P for plastic cable ties with max. width of 13.5 mm.



MK9P is also available with upper air attachment.

<b>Air Supply</b>	Non oiled, oiled
<b>Air Pressure (min.)</b>	3 Bar
<b>Air Pressure (max.)</b>	6 Bar
<b>Hose Internal Diameter</b>	4.0 mm
<b>L x H x W</b>	approx. 280 x 200 x 55mm

RoHS

TYPE	Strap Width max.	Strap Thickness max.	Air att. Position	Weight	Article-No.
MK9P	13.5	2.5	Lower air connection	0.82 kg	110-09100
MK9P w/ Upper air	13.5	2.5	Top air connection	1.057 kg	110-09110
SP MK3PNSP2 air hose 3 meters	-	-	-	0.139 kg	110-30002
SP MK7/MK9 Lock cap tensioning knob	-	-	-	0.011 kg	110-07200
SP MK9P replacement blade	-	-	-	0.004 kg	110-09111

All dimensions in mm. Subject to technical changes.





### Manual tensioning tool for KR-Series

#### KR6/8

Application tool KR6/8 crimps the glass-fibre-reinforced locking pin of the KR seal and leads to plastic deformation of the tie ends. This produces a very proof permanent connection.

#### Features and benefits

- Tough metal tool for applying KR cable ties only
- For tensioning, fixing and cutting KR cable ties
- Simply change the front plate to apply 6 mm or 8 mm straps



The manual tensioning tool KR6/8 for KR-Series cable ties.

TYPE	For Ties	Strap Width max.	Weight	Article-No.
KR6/8	KR6, KR8	8.0	0.69 kg	121-00680
SP KR6/8 replacement blade	KR6, KR8	-	0.002 kg	122-68019

All dimensions in mm. Subject to technical changes.

### Manual tensioning tool for KR-Series

#### EVO KR

Application tool EVO KR crimps the glass-fibre-reinforced locking pin of the KR seal and leads to plastic deformation of the tie ends. This produces a very proof permanent connection. In combination with KR cable ties this system offers high vibration resistance. One reason for customers in the railway and automotive industry to take this system as a preferred solution.

#### Features and benefits

- One-handed operation
- Sideways insertion
- Durable plastic housing
- Tension adjustment
- Calibration of the EVO KR tool



The manual tensioning tool EVO KR for KR-Series cable ties.



[www.HellermannTyton.co.uk/EVO-KR-cat22](http://www.HellermannTyton.co.uk/EVO-KR-cat22)

TYPE	For Ties	Weight	Article-No.
EVO-KR	KR6, KR8	0.523 kg	121-68000
SP EVO KR Blade Kit	KR-Series	0.005 kg	121-68110

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!

[www.HT.click/49-557](http://www.HT.click/49-557)







### Pneumatic tensioning tool for KR8-Series

#### KR8PNSE

Application tool KR8PNSE crimps the glass-fibre-reinforced locking pin of the KR seal and leads to plastic deformation of the tie ends. This produces a very proof permanent connection.

#### Features and benefits

- Pneumatic tool with tough metal housing
- For applying KR8 cable ties only
- For tensioning, fixing and automatic cutting KR8 cable ties
- Tension force can be adapted depending on air pressure
- Holding ring for a balancer



The pneumatic tensioning tool KR8PNSE for KR8-Series cable ties.

<b>Air Supply</b>	Non oiled, oiled
<b>Air Pressure (min.)</b>	3 Bar
<b>Air Pressure (max.)</b>	4 Bar
<b>Hose Internal Diameter</b>	6.0 mm
<b>L x H x W</b>	approx. 320 x 210 x 50 mm



TYPE	For Ties	Strap Width max.	Weight	Article-No.
KR8PNSE	KR8	8.0	1.537 kg	121-00889
SP KR8PNSE replacement blade	KR8	-	0.002 kg	122-80032

All dimensions in mm. Subject to technical changes.





### Manual tensioning tool for metal ties MBT-Series

#### MK9SST up to 16.0 mm strap width

The MK9SST is constructed with heavy duty parts to ensure optimum performance. It is designed to apply our MBT cable ties with a strap width of up to 16 mm. The tool is ideally suited for use in most arduous environments such as found on board ships, oil rigs, constructions or in nuclear power stations.

#### Features and benefits

- Glass-fibre-reinforced housing
- Ergonomic design
- Consistent tensioning and automatic cutting of metal ties MBT-Series
- Infinitely adjustable tension force combined with two-step quick adjustment



MK9SST.

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MK9SST	16.0	0.5	0.514 kg	110-95000
SP MK9SST replacement blade	-	-	0.004 kg	110-95273

All dimensions in mm. Subject to technical changes.

### Pneumatic tensioning tool for metal ties MBT-Series

#### MK9PSST up to 16.0 mm strap width

The MK9PSST pneumatic stainless steel tool is constructed with heavy-duty parts to ensure optimum performance in demanding environments. It is ideally designed to apply stainless steel metal ball tie series (MBT) up to 16.0 mm width.

#### Features and benefits

- Unique levels of repeatability and accuracy
- High application speed and low maintenance
- Improved compressed air supply for faster tensioning piston movement
- Shorter processing time and greater volume of connecting tie application
- Ergonomic design
- Automatic ejection of cut-off cable tie end
- Ideally designed to apply stainless steel MBT-Series up to 16.0 mm width
- On air pressure between 3 and 6 bar



MK9PSST.

<b>Air Supply</b>	Non oiled, oiled
<b>Air Pressure (min.)</b>	3 Bar
<b>Air Pressure (max.)</b>	6 Bar
<b>Hose Internal Diameter</b>	4.0 mm
<b>L x H x W</b>	approx. 280 x 200 x 55 mm

RoHS

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MK9PSST	16.0	0.5	0.972 kg	110-95350
SP MK9PSST replacement blade	-	-	0.004 kg	110-95307
SP MK7/MK9 Lock cap tensioning knob	-	-	0.011 kg	110-07200

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!

[www.HT.click/49-559](http://www.HT.click/49-559)





### Manual tensioning tool for metal ties MBT-, MLT- and AMT-Series

#### HDT16 up to 16.0 mm strap width

The HDT16 application tool is designed for installing heavy duty stainless steel cable ties within a range of industries such as shipbuilding, oil rigs, mining and mass transit. The tool can easily be adjusted making it suitable for applying both MBT, MLT and AMT cable ties with a strap width of up to 16 mm.

#### Features and benefits

- Two way nose piece for use with MBT-Series and AMT-, MLT-Series stainless steel cable ties
- Easy adjustment of the handles to ensure the most ergonomic position for the operator
- Integrated cutting mechanism delivering a flush cut and professional finish every time
- The ideal tool for achieving a perfect installation of MBT, MLT and AMT cable ties



HDT16.



[www.HellermannTyton.co.uk/HDT16-cat22](http://www.HellermannTyton.co.uk/HDT16-cat22)

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
HDT16	16.0	0.8	0.78 kg	110-40000

All dimensions in mm. Subject to technical changes.

### Manual tensioning tool for metal ties MBT-Series

#### KST-STG200 up to 12.3 mm strap width

The KST-STG200 application tool is designed for installing heavy duty stainless steel cable ties within a range of industries such as shipbuilding, oil rigs, mining and mass transit. The tensioning strength can be adjusted while pulling the trigger. The tool is easy to handle and far more reliable than trying to tension the ties by hand.

#### Features and benefits

- Tough metal tool
- Operator controlled tensioning
- Cut off by pulling the hand lever

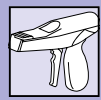


KST-STG200.

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
KST-STG200	12.3	0.3	0.562 kg	110-09950

All dimensions in mm. Subject to technical changes.





### Manual tensioning tool for metal ties MST-Series

#### MST6 for 5.9 mm strap width

The MST6 tool has been specially developed for reliably applying HellermannTyton metal cable ties of the MST-S series. Due to the punch-lock mechanism the tie is mechanically crimped and leads to metal deformation of the tie ends. This punch-lock mechanism ensures a reliable bundling with perfect resistance to vibration. The tension force is freely adjustable by the operator.

#### Features and benefits

- Tough metal tool
- Ergonomic design
- Consistent tensioning and automatically cutting of metal ties
- Designed for use with MST-S Series ties (5.9 mm)
- For tensioning, fixing and cutting MST-S metal ties only



MST6.



[www.HellermannTyton.co.uk/MST6-cat22](http://www.HellermannTyton.co.uk/MST6-cat22)

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MST6	5.9	0.3	0.532 kg	110-61000
SP MST6 replacement blade	-	-	0.003 kg	110-61001
SP MST6 replacement punch	-	-	0.001 kg	110-61002

All dimensions in mm. Subject to technical changes.

### Manual tensioning tool for metal ties MST-Series

#### MST9 for 8.9 mm strap width

The MST9 tool has been specially developed for reliably applying HellermannTyton metal cable ties of the MST-M series. Due to the punch-lock mechanism the tie is mechanically crimped and leads to metal deformation of the tie ends. This punch-lock mechanism ensures a reliable bundling with perfect resistance to vibration. The tension force is freely adjustable by the operator.

#### Features and benefits

- Tough metal tool
- Ergonomic design
- Consistent tensioning and automatic cutting of metal ties
- Designed for use with MST-M Series ties (8.9 mm)
- For tensioning, fixing and cutting MST-M metal ties only



MST9.

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MST9	8.9	0.4	0.532 kg	110-13000
SP MST9 replacement blade	-	-	0.004 kg	110-13001
SP MST9 replacement punch	-	-	0.001 kg	110-13002

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!

[www.HT.click/49-561](http://www.HT.click/49-561)



### Application Tooling for Cutting Plastic Ties



EVO cut.  
See page 563

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### Application Tooling for Snappers



MSNP, ASNP.  
See page 564



ASNP.  
See page 564

### Application Tooling for Heat Shrinkable Tubing



H6100.  
See page 566

30



CHG900.  
See page 565

32

### Application Tooling for Non Shrinkable Tubing



NA.  
See page 567

35–38



VA.  
See page 568

39–41



K, S, SS.  
See page 569

### Application Tooling for Braided Sleeves



HSG0.  
See page 570

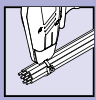
45

### Application Tooling for Identification



HCT1, HCT2.  
See page 571

50–51



### Manual cutting tool for plastic ties

#### EVO cut

The EVO cut is a cutting tool for plastic ties, which ensures the cut of the strap while preserving wires and harnesses from being damaged. This applies to flexible cables, bundles and lines as well as rigid bundled goods. Its use is recommended in many applications for which wires and harnesses have a high value added. Especially for sensitive cable harnesses the use of the EVO cut is recommended.

The cutting tool is made of a lightweight plastic housing and an ergonomic, non-slip handle for a comfortable and secure grip.

The tool includes three interchangeable nosepieces for plastic cable ties of varying widths and thicknesses.

#### Features and benefits

- Cutting tool for plastic ties
- Tie can be cut off at any part of the strap
- Ensures the cable isolation from being damaged
- Light-weighting plastic housing, ergonomic design
- Single-handed operation
- Includes three interchangeable nosepieces for respective cable tie width and thickness



EVO cut – Cutting tool for plastic ties.



Tie can be cut off at any part of the strap.



[www.HellermannTyton.co.uk/EVOcut-cat22](http://www.HellermannTyton.co.uk/EVOcut-cat22)



Single-handed operation.

TYPE	Strap Width max.	Strap Thickness max.	Weight	Article-No.
EVOcut	7.8	1.8	0.14 kg	110-05005

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!

[www.HT.click/49-563](http://www.HT.click/49-563)





### Snapper Tools

**MSNP1-70 for Snapper Size 1 to 70**

**ASNP2-22 for Snapper Size 2 to 22**

**ASNP24-70 for Snapper Size 24 to 70**

#### Features and benefits

- For efficient fixing of the snapper hose clips
- MSNP tool: handy for installation on site
- ASNP tool: suitable for series production. Retaining screw limits the draw-in area prevents overstretching of the snapper



Snapper Application Tools MSNP1-70 and ASNP24-70.



Snapper hose clips for tubes and harnesses see page 204.



Pneumatic Tools for Snapper are available on request. Contact us!

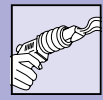


Snapper Application Tool ASNP2-22.

TYPE	Application	Weight	Material	Colour	Article-No.
<b>MSNP1-70</b>	SNP-Series 1 up to 70	0.18 kg	Metal (MET), Plastic (PL)	Yellow (YE)	191-01700
<b>ASNP2-22</b>	SNP-Series 2 up to 22	0.2 kg	Metal (MET), Plastic (PL)	Blue (BU)	191-02220
<b>ASNP24-70</b>	SNP-Series 24 up to 70	0.25 kg	Metal (MET), Plastic (PL)	Red (RD)	191-24700

Subject to technical changes.





### Cordless Heat Gun - Gas powered

#### CHG900

The HellermannTyton CHG900 Cordless Heat Gun is powered by P445 gas cartridges, providing autonomous working of 90 minutes in one go. The tool is designed to produce flameless heat which makes it the ideal hot-air gun to apply a huge variety of heat shrink tubing and heat shrink wire markers as well as molded shapes or heat shrink boots, transition shapes, end caps and cable repair sleeves especially in harsh outdoor conditions covering freezing temperatures as low as -8 °C.

#### Features and benefits

- Cordless heat gun powered by P445 gas cartridges
- Flameless heat - no direct flame outlet
- 90 min autonomy per cartridge
- Qualified for harsh outdoor conditions (-8 °C)
- Lightweight 440 g tool (555 g incl. cartridge)
- Hands-free operation due to integrated standing pod
- Quick start piezo ignition
- Instant turnaround due to antiflare feature
- Precise gas flow adjustment
- Ergonomic rugged design
- Quick gas cartridge exchange
- Tool-free maintenance



HellermannTyton Cordless Heat Gun Kit - CHG900.



Gas Nozzle for CHG900 Heat Gun.



Piezo Ignition Trigger for CHG900 Heat Gun.



[www.HellermannTyton.co.uk/CHG900-cat22](http://www.HellermannTyton.co.uk/CHG900-cat22)

TYPE	Description	Article-No.
<b>CHG900</b>	Cordless Heat Gun - CHG900 Set incl. P445 Gas Cartridge and 2 nozzles.	391-90010
<b>Piezo CHG900</b>	CHG900 Spare Part - Piezo Ignition Trigger.	391-90011
<b>Gas Nozzle</b>	CHG900 Spare Part - Gas Nozzle.	391-90012
<b>P445</b>	P445 Gas Cartridge (Butane, Propane, Propene).	391-90101

Subject to technical changes.



Add items to your watchlist!

[www.HT.click/49-565](http://www.HT.click/49-565)







## Electrical Hot Air Tool

### H6100

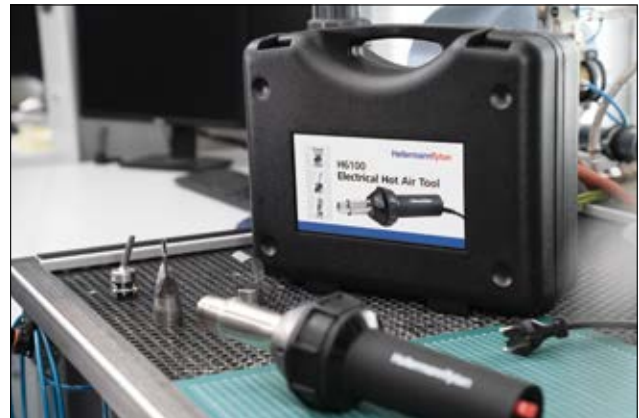
H6100 Electrical Hot Air Tool is designed for shrinking thin to medium wall heat shrink tubing, end caps and molded shapes.

#### Features and benefits

- Ergonomic and light weight hand tool
- Fatigue-free working due to low weight less than 1 kg
- Powerful 1600 W motor
- Non-slip rubber ring for safe work bench application
- Infinitely variable temperature setting up to +700 °C
- Ceramic heating element
- Integrated easy to clean air filter
- Heavy duty H07RN-F power cord
- Sturdy tool case incl. 3 push-on nozzles for precise heat shrink applications



H6100 Electrical Hot Air Gun.



H6100 comes in carrying case incl. push-on nozzles.



**H6100 is supplied with an EU plug.**



Adjusting H6100 operation temperature.

TYPE	Air Flow l/min	Operating Temperature	Standby Temp. °C	Wattage	Operational Voltage	Weight	Article-No.
H6100	240 l/min	+40 °C to +700 °C	40 °C	1,600 W	230 V	0.99 kg	391-00110

Subject to technical changes.





### Three-pronged pliers for sleeves and grommets

#### NA

Three-pronged expansion tools are used to ensure speedy and precise application of expandable markers and sleeves.

#### Features and benefits

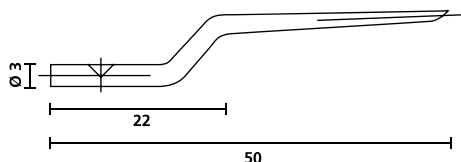
- To easily affix expandable sleeves of every type onto cables/connectors
- Push pliers and pull over cable
- Close pliers, sleeve is placed easily
- Hellerine lubricant recommended for easy operation
- Replacement prongs available



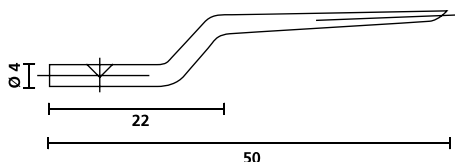
Fast, secure application with the NA three-pronged pliers.



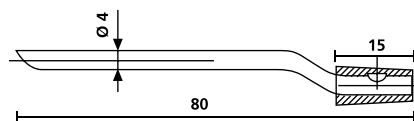
**For Hellerine lubricant see page 306.**



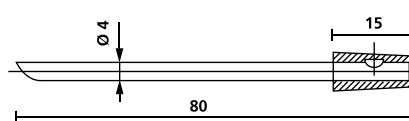
Replacement prong NA0/1



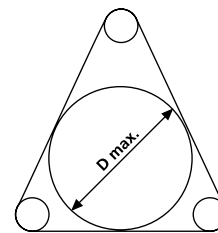
Replacement prong NA1K/3



Replacement prong NA4/5



Replacement prong NA8/10



Three-prong pliers max. application diameter

TYPE	Description	Bundle Ø min.	Bundle Ø max.	Ø D max.	Max. length of marker	Article-No.
NA0/1	Expansion tool NA0/1	1.3	1.8	10.5	28	621-10001
NA1K/3	Expansion tool NA1/3	2.5	5.0	11.0	28	621-10103
NA4/5	Expansion tool NA4/5	7.5	10.0	15.5	50	621-10405
NA8/10	Expansion tool NA8/10	12.0	17.0	25.5	60	621-10810
NA0/1 PRONG	Replacement prongs for NA0/1	1.3	1.8	-	28	621-60001
NA1K/3 PRONG	Replacement prongs for NA1K/3	2.5	5.0	-	28	621-60103
NA4/5 PRONG	Replacement prongs for NA4/5	7.5	10.0	-	50	621-60405
NA8/10 PRONG	Replacement prongs for NA8/10	12.0	17.0	-	60	621-60810

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!  
[www.HT.click/49-567](http://www.HT.click/49-567)



### Three-pronged pliers for sleeves and grommets

#### VA2,5/5 - Reinforced

Expansion tools are used to ensure speedy and precise application of expandable markers and sleeves.

#### Features and benefits

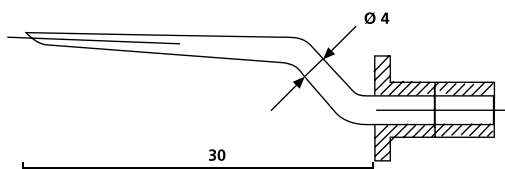
- Suitable for expanding tubing cut lengths and rubber parts
- Withstands high loading
- Set of 3 2.5/5 pins
- Replacement pins available in sizes 8 and 18
- Hellerine lubricant recommended for easy operation



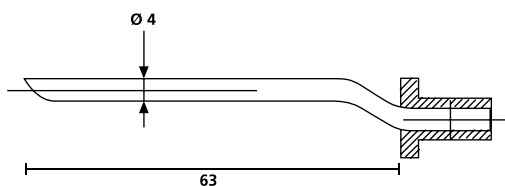
**For Hellerine lubricant  
see page 306.**



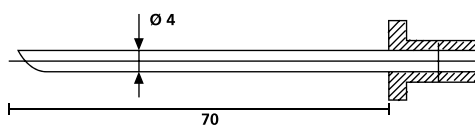
VA2,5/5.



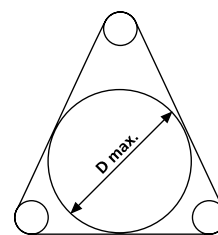
Replacement prong size 2.5/5



Replacement prong size 8



Replacement prong size 18



Three-prong pliers max.  
application diameter

TYPE	Description	Bundle Ø min.	Bundle Ø max.	Ø D max.	Article-No.
VA2.5/5	Expansion tool VA2.5/5	2.5	5.0	26.0	621-00200
VA-2.5/5 PRONG	Replacement prongs size 2.5/5	2.5	5.0	26.0	621-01200
VA2.5/5 PRONG 8	Replacement prongs size 8	8.0	10.0	28.0	621-02200
VA2.5/5 PRONG 18	Replacement prongs size 18	18.0	20.0	30.0	621-03200

All dimensions in mm. Subject to technical changes.





### Three-pronged pliers for sleeves and grommets

**K, S, SS**

Three-pronged expansion tools are used to ensure speedy and precise application of expandable markers and sleeves.

#### Features and benefits

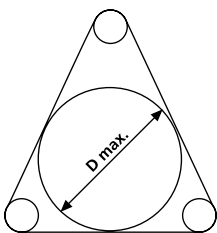
- For speedy application of markers and sleeves
- Hellerine lubricant recommended for easy operation
- Handy D KIT contains a tool body, a plier of prongs and small bottle of Hellerine lubricant.



*Fast, secure application with the three-pronged expansion tools.*



**For Hellerine lubricant see page 306.**



*Three-prong pliers max. application diameter*

TYPE	Description	Bundle Ø min.	Bundle Ø max.	Ø D max.	Max. length of marker	Article-No.
<b>SS TOOL</b>	Three-pronged plier	1.2	2.0	15.0	20	621-80008
<b>S TOOL</b>	Three-pronged plier	2.5	4.0	15.0	20	621-80009
<b>K TOOL</b>	Three-pronged plier	5.0	10.0	17.0	32	621-80007
<b>D KIT</b>	Three-pronged plier kit	1.2	11.5	17.0	32	621-80005

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!  
[www.HT.click/49-569](http://www.HT.click/49-569)



### Hot cutting tool

#### HSG0

The HSG0 hand tool is used to cut braided sleeving cleanly and without fraying.

#### Features and benefits

- Light and sturdy
- Heats up quickly with the press of button and cuts in seconds
- The yarn melts and fuses together
- No fraying of the sleeving



The HSG0 hot cutting tool prevents the braided sleeving from fraying.

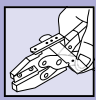


[www.HellermannTyton.co.uk/HSG0-cat22](http://www.HellermannTyton.co.uk/HSG0-cat22)

TYPE	Description	Weight	Colour	Article-No.
HSG0	Hot cutting tool	1.0 kg	Blue (BU)	170-99003
HSG0BLADE	Replacement blade	0.027 kg	Metal (ML)	170-99002

Subject to technical changes.





## Helafix Tool

**HCT1 for carrier size HCR09**

**HCT2 for carrier size HCR12**

HCT1 and HCT2 tools are ideal for cleanly cutting the carrier strip as well as punching out the securing holes. For HCR06, HCR18 and HCR24, the front part of the pliers can be used. To fix the character holders HC and HCR simply use the T18 range of cable ties, fixings or rivets.

### Features and benefits

- Cleanly cut Helafix HCR carrier tubing
- Punch securing holes on edges of HCR09 (HCT1) and HCR12 (HCT2)
- Apply punched HCR09 and HCR12 with T18 range of cable ties
- Suitable for punching rivet holes in HCR06, HCR18 and HCR24 tubing
- Punch hole diameter 2.5 mm
- Fix with T18 range of cable ties or suitable rivets



*Any length can be used...*



*...just cut to suit.*

TYPE	For Carrier Width	For Size	Ø (D)	Article-No.
HCT1	10.0	HCR09	2.5	525-00010
HCT2	13.0	HCR12	2.5	525-00013

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!  
[www.HT.click/49-571](http://www.HT.click/49-571)