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Automatic bundling up to Ø 20 mm

Autotool 2000 CPK

The Autotool 2000 CPK is an electrically operated and automated cable tying system. It has been developed to speed up bundling processes and to make the production more efficient. Besides the high speed bundling, this cable tying system is characterized by its simple operation and user-friendly ergonomics. The Autotool 2000 CPK offers a display for the settings and user information in 20 languages. One main feature of the Autotool 2000 CPK 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 Autotool 2000 CPK is ideally suited for handling high volume applications in wire harness facilities, automotive and industrial companies and in the packaging sector. With either the Bench mount kit CPK or the Overhead suspension CPK, the Autotool 2000 CPK is suitable for both stationary and flexible applications.

By using the optional Power pack CPK with control box the Autotool 2000 CPK can be integrated into fully automated production lines through a serial interface. Due to the removable handle less assembly space is needed.

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

Features and benefits

- Electrically operated cable tying system
- Power supply through Power pack CPK - Input: 100-240 V a.c., 50/60 Hz; Output: 25.2 V d.c., max. 150 W
- Integration into fully automated production lines (Power pack CPK with control box necessary)
- Cycle time 0.8-1.2 sec. depending on quality and force
- Stationary and flexible use with devices possible
- 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 reproducable bundling and cutting up to Ø 20 mm
- Removable handle for space-saving integration

PART DESCRIPTION	Description
Autotool 2000 CPK-BK	Autotool 2000 CPK
Power pack CPK-GY	Power pack CPK
Power pack CPK with control box-GY	Power pack CPK with control box

Subject to technical changes.

Autotool 2000 CPK.

HT Data Management CPK - software for Autotool 2000 CPK.

Power pack CPK for Autotool 2000 CPK.

Power Supply	Electronically operated
Cycle Time	0.8-1.2 sec. depending on quality and force
Weight	1.8 kg
Tension Force	Adjustable

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Automatic bundling up to Ø 20 mm

Accessories for Autotool 2000 CPK

Features and benefits

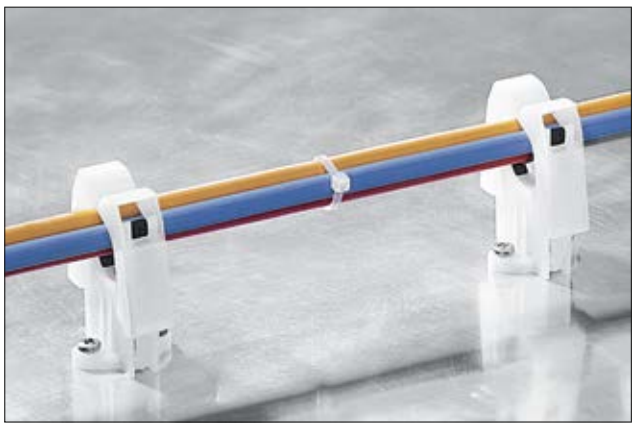
- Bench mount kit CPK for stationary use
- Overhead suspension CPK for flexible use
- Wire retainer HH20 raises the bundle off the harness board at optimum height and allows the operator to eliminate handling the bundle when applying ties
- Force measurement device CPK to measure the linear tensile force of the Autotool 2000 CPK. Available with grip mount or robot adapter

Bench mount kit CPK with foot pedal (also shown: Autotool 2000 CPK, Power pack CPK and T18RA3500).

PART DESCRIPTION	Description
Bench mount kit CPK-ML	Bench mount kit CPK
Force measurement device with grip mount CPK-ML	Force measurement device with grip mount CPK
Force measurement device with robot adapter CPK-ML	Force measurement device with robot adapter CPK
HH20-PA66-NA	HH20 wire retainer
Overhead suspension CPK-ML	Overhead suspension CPK

Subject to technical changes.

Overhead suspension CPK (also shown: Autotool 2000 CPK, Power pack CPK and T18RA3500).



Harness board accessory HH20.

Application with the Bench mount kit CPK.

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Automatic bundling up to Ø 20 mm

Cable ties for Autotool 2000 systems

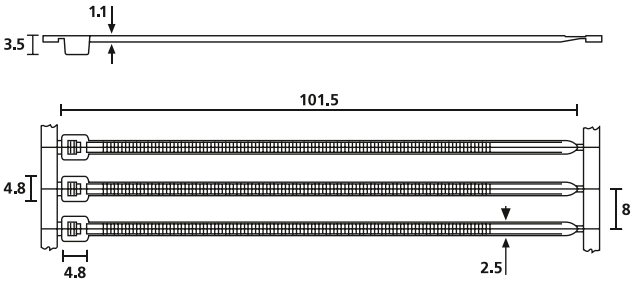
The inside-serrated cable ties are designed for use specifically in the automatic cable tying systems. The Autotool 2000 CPK is ideally suited for handling high volumes applications in wire harness facilities, automotive and industrial companies as wells as the packaging sector.

Features and benefits

- Heat stabilised cable ties (PA66HS) in all colours for temperatures up to +125 °C
- Available in bandoleers of 50 cable ties or reels of 3,500 cable ties
- Repetitive tension on the bundles
- Easily recyclable

Cable ties for Autotool 2000 systems.

Please find the corresponding Bundling Clips on page 300.



Bandoleer T18RA

Material specification please see page 22.

PART DESCRIPTION	Bundle Ø max.	N
T18RA50-PA66HSW-BK	20.0	80
T18RA3500-PA66HSW-BK	20.0	80
T18RA3500-PA46-NA	20.0	80
T18RA50-PA66HS-NA	20.0	80
T18RA3500-PA66HS-NA	20.0	80

All dimensions in mm. Subject to technical changes.
Halogen-free according to the interdictions of the GADSL list and compulsory registration of the SVHC list.

N = **Minimum Loop Tensile Strength for Cable Ties (Newton)**

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Waste-free bundling up to Ø 80 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 80 mm.

With either the Bench mount kit 3080 or the Overhead suspension 3080, the Autoool 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: 240/150 V a.c., 50/60 Hz; Output: 48 V d.c., max. 150 W
- High quality, waste-free bundling up to Ø 80 mm with flush cut off
- Jaws with diameters of 30, 50 and 80 mm - included in delivery
- 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

Autotool System 3080.

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

PART DESCRIPTION	Description
ATS3080-BK	Autotool System 3080
Power pack 3080-MET/PL-GY	Power pack 3080

Subject to technical changes.

Power pack 3080.

Power Supply	Electrically operated
Cycle Time	1.1-2.4 sec. depending on bundle diameter
Weight	1.9 kg
Tension Force	Adjustable

Date of issue: 07/2019

Waste-free bundling up to Ø 80 mm

Accessories for Autotool System 3080

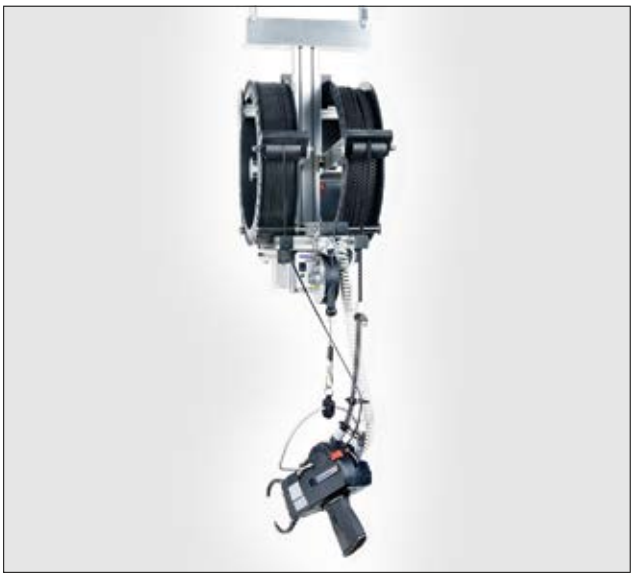
Features and benefits

- 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).

PART DESCRIPTION	Description
Bench mount kit automatic 3080-ML	Bench mount kit automatic 3080
Bench mount kit horizontal 3080-ML	Bench mount kit horizontal 3080
Bench mount kit 3080-ML	Bench mount kit movable 3080
Overhead suspension 3080-ML	Overhead suspension 3080

Subject to technical changes.

Date of issue: 07/2019

Waste-free bundling up to Ø 80 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.

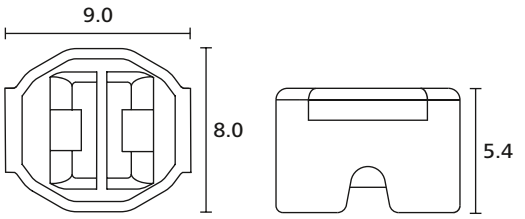
Features and benefits

- 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

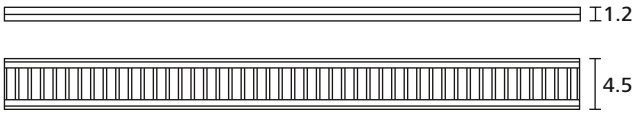
Closures and strap for Autotool System 3080.

Please find the corresponding Bundling Clips on page 300.

Material specification please see page 22.



Closure



Strap

PART DESCRIPTION	Description	Bundle Ø max.	N
Closures Black ATS3080-PA66HSUV-BK	Closures Black ATS3080	80.0	225
Closures Natural ATS3080-PA66HSUV-NA	Closures Natural ATS3080	80.0	225
Strap Black ATS3080-PA66HIRHSUV-BK	Strap Black ATS3080	80.0	225
Strap Natural ATS3080-PA66HIRHSUV-NA	Strap Natural ATS3080	80.0	225

All dimensions in mm. Subject to technical changes.

N = **Minimum Loop Tensile Strength for Cable Ties (Newton)**

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Automatic bundling

Edge Clips for Automatic Cable Tying Systems

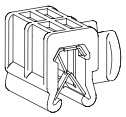
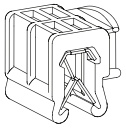
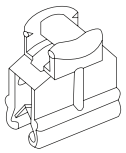
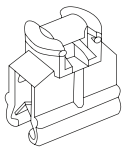
Clips to fix cables and harnesses in the automotive and white goods industries.

Features and benefits

- Optimized for use automatic cable tying systems
- Easy to apply
- The fixing elements can be tied automatically with Autotool 2000 family and Autotool System 3080

Material specification please see page 22.

Fixing elements for automatic bundling.

PART DESCRIPTION	Drawing	Panel Thickness
ATSEC38-PA66HIRHS-BK		1.5 - 4.0
ATSEC37-PA66HIRHS-BK		1.5 - 4.0
ATSEC35-PA66HIRHS-BK		1.5 - 4.0
ATSEC36-PA66HIRHS-BK		1.5 - 4.0

All dimensions in mm. Subject to technical changes.

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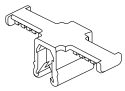
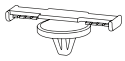
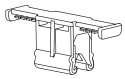
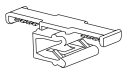
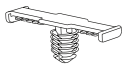
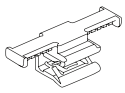
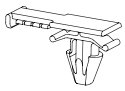
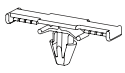
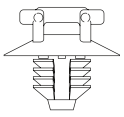
Automatic bundling

Bundling Clips for Automatic Cable Tying Systems

PART DESCRIPTION	Drawing	Panel Thickness	Hole Ø (FH)
ATSBCEC35-PA66HIRHS-BK		1.5 - 4.0	-
ATSBCSFT6.5-PA66HIRHS-BK		2.3 - 3.3	6.3 - 6.7
ATSBCSFT6.5-MD-PA66HIRHS-BK		2.0 - 3.0	6.3 - 6.7
ATSBCEC36-PA66HIRHS-BK		1.5 - 4.0	-
ATSBCEC37-PA66HIRHS-BK		1.5 - 4.0	-
ATSBCFT6LG-PA66HIRHS-BK		0.6 - 5.1	6.3 - 7.0
ATSBCEC38-PA66HSW-BK		1.5 - 4.0	-
ATSBCKSFT6.5-PA66HIRHS-BK		0.7 - 1.3	6.3 - 6.7
ATSBC2KSFT6.5-PA66HIRHS-BK		1.7 - 2.3	6.3 - 6.7
ATSBCOWSFT6.5-PA46-GY		2.3 - 3.3	6.3 - 6.7
ATSBCSFT6.5PT2.3-3.3-PA46-GY		2.3 - 3.3	6.3 - 6.7

All dimensions in mm. Subject to technical changes.

Fir Tree Clips for Automatic Cable Tying Systems

PART DESCRIPTION	Drawing	Hole Ø (FH)	Panel Thickness
ATSFT6-PA66HIRHS-BK		6.3 - 7.0	0.8 - 3.0

All dimensions in mm. Subject to technical changes.

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Tensioning Tools for Cable Ties

MK10-SB.
See page 307

MK20, MK21.
See page 307

MK3SP.
See page 308

MK3PNSP2.
See page 308

EVO7/EVO7SP.
See page 310

MK7HT.
See page 311

MK7P.
See page 312

EVO9/EVO9SP.
See page 310

EVO9HT.
See page 310

MK9P.
See page 313

Tensioning Tools for Cable Ties KR-Series

KR6/8.
See page 314

KR8PNSE.
See page 314

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Flowchart for optimum tool selection

Manual and pneumatic tensioning tools for conventional plastic cable ties

≤ 4.8 mm

Manual tools	Page
EVO7 / EVO7SP	310
MK7HT	311
MK3SP	308
MK10-SB	307
MK20	307

Pneumatic tools	Page
MK3PNSP2	308
MK7P	312

≥ 4.8 mm

Manual tools	Page
EVO9 / EVO9SP, EVO9HT	310
MK10-SB	307
MK21	307

Pneumatic tools	Page
MK9P	313

Manual and pneumatic tensioning tools for KR-Series cable ties

= 6.0 mm

Manual tools	Page
KR6/8	314

= 8.0 mm

Manual tools	Page
KR6/8	314

Pneumatic tools	Page
KR8PNSE	314

Electrically operated and automated tensioning tools for plastic cable ties

= 2.5 mm

Automatic tools	Page
Autotool 2000 CPK	294

= 4.5 mm

Automatic tools	Page
Autotool System 3080	297

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Tensioning Tools for Metal Ties

MK9SST.
See page 315

MK9PSST.
See page 315

HDT16.
See page 316

KST-STG200.
See page 316

MST6.
See page 317

MST9.
See page 317

MTT4.
See page 318

Flowchart for optimum tool selection

Manual and pneumatic tensioning tools for metal cable ties MBT-Series

≤ 12.3 mm

Manual tools	Page
KST-STG200	316

≤ 16.0 mm

Manual tools	Page
MK9SST	315
HDT16	316

Pneumatic tools	Page
MK9PSST	315

Manual tensioning tools for metal cable ties AMT- and MLT-Series

≤ 12.0 mm

Manual tools	Page
MTT4	318

≤ 16.0 mm

Manual tools	Page
HDT16	316

Manual tensioning tools for metal cable ties MST-Series

= 5.9 mm

Manual tools	Page
MST6	317

= 8.9 mm

Manual tools	Page
MST9	317

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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. Cinch a nylon HellermannTyton cable tie around the bundle.

3. Insert strap of cable ties 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 an 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. This means for instance the size and thus the cross-section of the cable ties, but also 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:

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

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

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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.

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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.

PART DESCRIPTION	Strap Width max.	Strap Thickness max.	Weight
MK10-SB-ST-BU	9.5	2.5	0.372 kg

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
- MK20 and MK21 ideal for on-site assembly
- Mounted and pretensioned ties are cut off by twisting tool
- Simply apply cable tie, tension and twist to cut

Manual tensioning tools MK20 and MK21.

PART DESCRIPTION	Strap Width max.	Strap Thickness max.	Weight
MK20-PL-BU	4.8	1.5	0.05 kg
MK21-PL-BU	7.6	2.5	0.05 kg

All dimensions in mm. Subject to technical changes.

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Manual tensioning tool metal housing

MK3SP up to 4.8 mm strap width

This tough metal tool MK3SP is used by harness makers for automotive industry and white goods as well as in the aerospace, railway and medical industry.

Features and benefits

- Tough metal tool for HellermannTyton plastic cable ties up to 4.8 mm width
- For consistent tensioning and automatically flush cutting
- Infinitely adjustable tension force
- Reliable and low maintenance

MK3SP.

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
MK3SP-MET-ML	MK3SP	4.8	1.5	0.332 kg
SP MK3SP replacement blade	Replacement Blade	-	-	0.001 kg

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.

Air Supply	non oiled / oiled
Air Pressure (min.)	3 Bar
Air Pressure (max.)	6 Bar
Hose Internal Diameter	4.0 mm
L x H x W	approx. 225 x 140 x 40 mm

RoHS

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
MK3PNSP2-AL-ML	MK3PNSP2	4.8	1.5	0.555 kg
SP MK3PNSP2 air hose 3 meters	Air hose, complete	-	-	0.139 kg
SP MK3PNSP2 cutting blade	Replacement Blade	-	-	0.001 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

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.

Date of issue: 07/2019

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

The EVO7: Maximum performance with minimum effort.

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
EVO7-MET/PL-BK	EVO7	4.8	1.5	0.275 kg
EVO7SP-MET/PL-BK	EVO7SP	4.8	1.5	0.272 kg
BLADEKIT-MIX	Blade-Kit	-	-	0.002 kg

All dimensions in mm. Subject to technical changes.

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 53N and 307N. The EVO9HT (high tension) was designed to apply HellermannTyton cable ties from 120N until 516N 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.

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
EVO9-MET/PL-BK/RD	EVO9	13.5	2.0	0.357 kg
EVO9SP-MET/PL-BK/RD	EVO9SP	13.5	2.0	0.361 kg
EVO9HT-MET/PL-BK/BU	EVO9HT	13.5	2.0	0.364 kg
Replacement Blade-SS	EVO9 Blade	-	-	0.001 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

Manual tensioning tool plastic housing

MK7HT up to 4.8 mm strap width

MK7HT application tool is mainly used to apply cable ties in harness making industries.

Features and benefits

- Light glass-fibre-reinforced housing
- Ergonomic design
- For cable ties up to 4.8 mm width
- MK7 HighTension-Version with higher tension force than MK7
- Consistent tensioning and automatically flush cutting
- Infinitely adjustable tension force combined with three-step quick adjustment

MK7HT.

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
MK7HT-PL/GF-BK	MK7HT	4.8	1.5	0.29 kg
SP MK7HT replacement blade	Replacement Blade	-	-	0.001 kg
SP lock cap tensioning knob	Lock cap tensioning knob	-	-	0.011 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

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.

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

RoHS

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
MK7P-PL/GF-BK	MK7P	4.8	1.5	0.448 kg
SP MK3PNSP2 air hose 3 meters	Air hose, complete	-	-	0.139 kg
SP MK7P replacement blade-BK	Replacement Blade	-	-	0.001 kg
SP lock cap tensioning knob	Lock cap tensioning knob	-	-	0.011 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

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.

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

RoHS

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight	Air att. Position
MK9P-PL/GF-BK	MK9P	13.5	2.5	0.972 kg	lower air connection
	MK9P	13.5	2.5	1.057 kg	top air connection
SP MK3PNSP2 air hose 3 meters	Air hose, complete	-	-	0.139 kg	-
SP lock cap tensioning knob	Lock cap tensioning knob	-	-	0.011 kg	-
SP MK9P replacement blade-MET-ML	Replacement Blade	-	-	0.004 kg	-

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

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. 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

- 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.

PART DESCRIPTION	Description	For Ties	Strap Width max.	Weight
KR6/8-BU/RD	KR6/8	KR6, KR8	8.0	0.69 kg
SP KR6/8 replacement blade	Replacement blade	KR6, KR8	-	0.002 kg

All dimensions in mm. Subject to technical changes.

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 automatica 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.

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

RoHS

PART DESCRIPTION	Description	For Ties	Strap Width max.	Weight
KR8PNSE-ML	KR8PNSE	KR8	8.0	1.537 kg
SP KR8PNSE replacement blade	Replacement Blade	KR8	-	0.002 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

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.

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
MK9SST-PL/GF-GY	MK9SST	16.0	0.5	0.508 kg
SP MK9SST replacement blade-ST-GY	Replacement Blade	-	-	0.004 kg

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.

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

RoHS

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
MK9PSST-BK	MK9PSST	16.0	0.5	0.972 kg
SP MK9PSST replacement blade-SS-GY	Replacement Blade	-	-	0.004 kg
SP lock cap tensioning knob	Lock cap tensioning knob	-	-	0.011 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

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.

PART DESCRIPTION	Strap Width max.	Strap Thickness max.	Weight
HDT16-SS-ML	16.0	0.8	0.78 kg

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.

PART DESCRIPTION	Strap Width max.	Strap Thickness max.	Weight
KST-STG200-MET-BK/ML	12.3	0.3	0.562 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

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.

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
MST6-MET/PL-GY/RD	MST6	5.9	0.3	0.532 kg
SP MST6 replacement blade-MET-ML	Replacement Blade	-	-	0.003 kg
SP MST6 replacement punch-MET	Replacement Punch	-	-	0.003 kg

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.

PART DESCRIPTION	Description	Strap Width max.	Strap Thickness max.	Weight
MST9-MET/PL-BU/GY	MST9	8.9	0.4	0.532 kg
SP MST9 replacement blade-MET-ML	Replacement Blade	-	-	0.004 kg
SP MST9 replacement punch-MET	Replacement Punch	-	-	0.004 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

Manual tensioning tool for metal ties MLT-Series

MTT4 up to 12.0 mm strap width

The MTT4 tensioning tool is a lightweight manual processing tool which is easy to use for application of the MLT (releasable) series. The extended nose piece ensures the fixing length of the MLT cable tie. While using the ratchet system, the operator can easily cut off the tie on the correct length with the long cutter lever.

Features and benefits

- Tough metal tool
- Simple ratchet operation, easy to use
- Operator controlled tensioning and cutting facility

MTT4.

PART DESCRIPTION	Strap Width max.	Strap Thickness max.	Weight
MTT4-MET	12.0	0.7	0.78 kg

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

Three-pronged pliers for sleeves and grommets

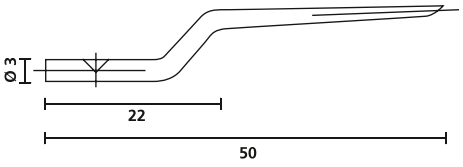
NA

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

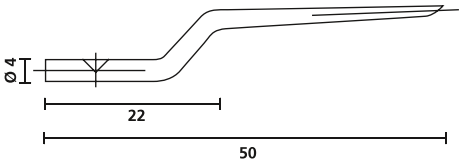
Features and benefits

- To easy 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

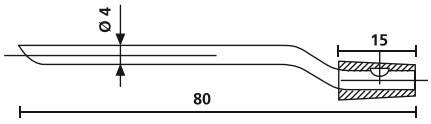
Fast, secure application with the NA three-pronged pliers.



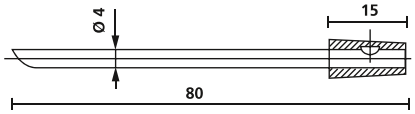
Replacement prong NA0/1



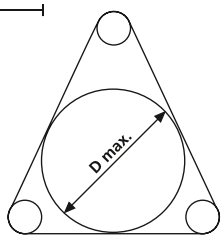
Replacement prong NA1K/3



Replacement prong NA4/5



Replacement prong NA8/10



Three-prong pliers D = max. application diameter

PART DESCRIPTION	Description	Bundle Ø min.	Bundle Ø max.	Ø D max.	Max. length of marker
NA0/1-ML	Expansion tool NA0/1	1.3	1.8	10.5	28
NA1K/3-ML	Expansion tool NA1/3	2.5	5.0	11.0	28
NA4/5-ML	Expansion tool NA4/5	7.5	10.0	15.5	50
NA8/10-ML	Expansion tool NA8/10	12.0	17.0	25.5	60
NA0/1 PRONG-ML	Replacement prongs for NA0/1	1.3	1.8	-	28
NA1K/3 PRONG-ML	Replacement prongs for NA1K/3	2.5	5.0	-	28
NA4/5 PRONG-ML	Replacement prongs for NA4/5	7.5	10.0	-	50
NA8/10 PRONG-ML	Replacement prongs for NA8/10	12.0	17.0	-	60

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

Three-pronged pliers for sleeves and grommets

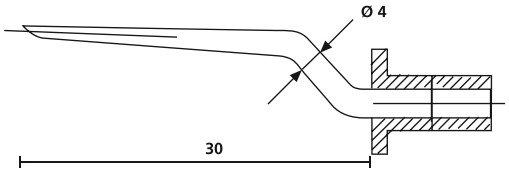
VA2.5/5 - reinforced

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

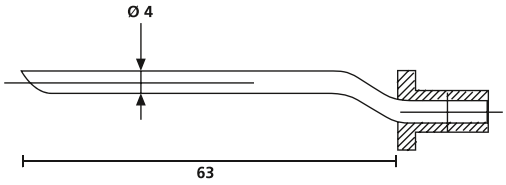
Features and benefits

- 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

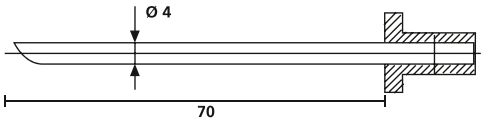
VA2.5/5.



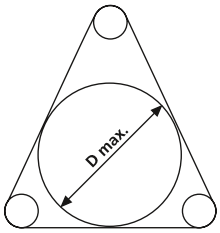
Replacement prong size 2.5/5



Replacement prong size 8



Replacement prong size 18



Three-prong pliers D = max. application diameter

PART DESCRIPTION	Description	Bundle Ø min.	Bundle Ø max.	Ø D max.
VA2.5/5-MET-ML	Expansion tool VA2.5/5	2.5	5.0	26.0
VA-2.5/5 PRONG-MET-ML	Replacement prongs size 2.5/5	2.5	5.0	26.0
VA2.5/5 PRONG 8-MET-ML	Replacement prongs size 8	8.0	10.0	28.0
VA2.5/5 PRONG 18-SS-ML	Replacement prongs size 18	18.0	20.0	30.0

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

Three-pronged pliers for sleeves and grommets

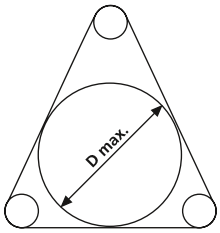
K, S, SS

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 range of prongs and small bottle of Hellerine lubricant.

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



Three-prong pliers D = max. application diameter

PART DESCRIPTION	Description	Bundle Ø min.	Bundle Ø max.	Ø D max.	Max. length of marker
SS TOOL-MET	Three-pronged plier	1.2	2.0	15.0	20
S TOOL-MET	Three-pronged plier	2.5	4.0	15.0	20
K TOOL-MET	Three-pronged plier	5.0	10.0	17.0	32
D KIT-MET	Three-pronged plier kit	1.2	11.5	17.0	32

All dimensions in mm. Subject to technical changes.

Date of issue: 07/2019

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

A replacement blade is available with the item number 170-99002.

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

PART DESCRIPTION	Description	Weight
HSG0-BU	Hot cutting tool	1.15 kg

Subject to technical changes.

Date of issue: 07/2019

HellermannTyton

Process reliability makes the difference: Autotool 2000 CPK

The automatic cable tying tool ensures the highest degree of process reliability. The Autotool 2000 CPK is a solution to one of the quality challenges that harness makers are posed by the mega trends in the automotive future and the steady growth of on-board electronics.

Process-reliable cable tying.

HellermannTyton.com/cpk2000-gac

MADE FOR REAL®

Date of issue: 07/2019