



6.1 Automatic Cable Tying System

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Automatic bundling up to Ø 20 mm

Autotool CPK hybrid

The Autotool CPK hybrid T18RA offers full flexibility for automated cable tying. Choose your option: Cordless operation with rechargeable batteries, corded with main power via power pack or a mixture of both. When working on several projects, at different locations or in tight spaces without power supply, the new CPK hybrid with battery option allows you to move about freely.

The CPK hybrid has been developed to: Speed up bundling processes, make the production more consistent and efficient and simplify the operation and user-friendly ergonomics.

It offers a display for the settings and presets, user information and the software "HT Data Management CPK".

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.

Features and benefits

- Cable tying system operated electrically via Power supply or use with 18V 2,0 Ah quick rechargeable Li-Ion Battery (8.000 bindings can be applied with a fully charged battery)
- Well established cooperation with metabo for battery and charger
- Removable handle for space-saving integration into fully automated production lines (Power pack CPK with control box necessary)
- HT Data Management CPK software (included for extensive data evaluation and export function for manufacturing data, further service functions and consistent documentation of every binding process)
- Bandoliers of 50 cable ties as well as reels of 3,500 cable ties can be used
- Process-reliable, constant and reproducible bundling and cutting up to Ø 20 mm



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.



Convenient tool box for automated cable tie gun CPK hybrid.



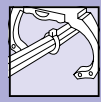
CPK hybrid set including two batteries and charger.

Power Supply	Electronically operated or battery operated
Cycle Time	0.65-1.0 sec. depending on quality and force
Tension Setting	Adjustable



TYPE	Description	Weight	Article-No.
Autotool_CPK_hybrid	Autotool CPK hybrid T18RA	1.813 kg	106-60000
Autotool_CPK_hybrid_Battery_Set	CPK hybrid Battery Set	3.184 kg	106-66000

Subject to technical changes.



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
- Well established cooperation with metabo for battery and charger
- 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	Description	Article-No.
NP CPK smart cable	CPK smart cable	123-90142
Power pack CPK	Power pack CPK	106-00100
Power pack CPK with control box	Power pack CPK with control box	106-00110
SP_CAS_Battery_18V_2Ah	CAS Battery 18V 2Ah	106-06020
SP_CAS_Battery_Charger	CAS Battery Charger	106-06021

Subject to technical changes.



Automatic bundling up to Ø 20 mm

Accessories for Autotool CPK hybrid

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 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.

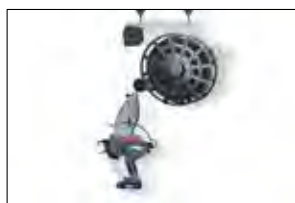
Bandoliers of 50 cable ties as well as reels of 3,500 cable ties can be used.

Features and benefits

- Bench mount kit CPK for stationary use
- Overhead suspension CPK for flexible use



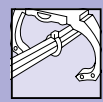
Bench mount kit CPK with foot pedal (also shown Autotool CPK hybrid, Power pack CPK and T18RA3500).



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

TYPE	Description	Article-No.
Bench mount kit CPK	Bench mount kit CPK	106-00040
Overhead suspension CPK	Overhead suspension CPK	106-00050

Subject to technical changes.



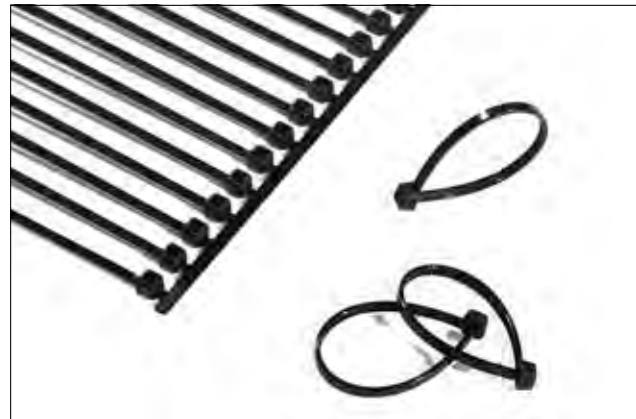
Automatic bundling up to Ø 20 mm

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.

Please find the corresponding Bundling Clips on page 146.

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

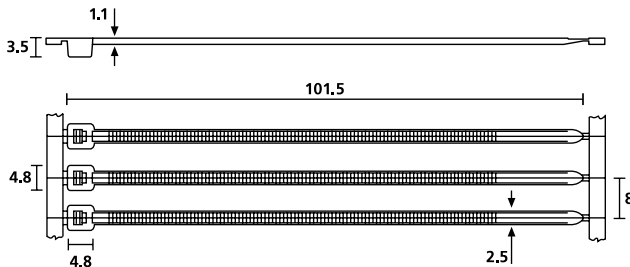
HF ✓

RoHS ✓

HF ✓

LFH ✓

RoHS ✓



Bandolier T18RA

= Minimum Loop Tensile Strength for Cable Ties (newton)

TYPE	Bundle Ø max.		Colour	Material	Pack Cont.	Article-No.
T18RA50	20.0	80	Black (BK)	PA66HSW	2000 pcs.	120-40020
T18RA3500	20.0	80	Black (BK)	PA66HSW	3500 pcs.	120-50010
	20.0	80	Natural (NA)	PA46	3500 pcs.	120-46009
T18RA50	20.0	80	Natural (NA)	PA66HS	2000 pcs.	120-40019
T18RA3500	20.0	80	Natural (NA)	PA66HS	3500 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.

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



Please note! Not all products listed on this page may have this approval. Please check our website for latest approvals.



Waste-free bundling up to Ø 100 mm

Autotool System ATS flex

The Autotool System ATS flex 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 ATS flex to adapt perfectly to different bundle diameters up to Ø 100 mm.

With either the Bench mount kit ATS or the Overhead suspension ATS, the Autotool System ATS flex is suitable for both stationary and flexible applications. The Autotool System ATS flex 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 ATS flex)
- Power supply through Power pack ATS flex - Input: 240/150 V a.c., 50/60 Hz; Output: 24 V d.c., max. 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,
- 100mm jaw size solution as accessory on request
- Cycle time 1.1-2.4 seconds depending on bundle diameter
- Bundle diameter mechanically detected
- Integration into Bench mount kit ATS or Overhead suspension ATS possible
- Integration into fully automated production lines possible
- Foot part bundling with custom jaw design Ø 50 mm



The automatic bundling tool ATS flex with different jaw sizes.



Power Pack for the ATS tool.



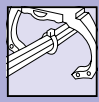
Optional: Modification kit 100 mm jaws.

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



TYPE	Description	Weight	Article-No.
ATS_flex	Autotool System ATS flex	2.443 kg	102-60000
Power_pack_ATS_flex_24V	Power pack ATS flex	1.16 kg	102-00150

All dimensions in mm. Subject to technical changes.



Waste-free bundling up to Ø 100 mm

Accessories for Autotool System ATS

Features and benefits

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



Autotool ATS flex on the harness board (also shown: Overhead suspension ATS).



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



Bench mount kit ATS (also shown: Autotool System ATS flex).

TYPE	Description	Article-No.
Bench_mount_kit_automatic_ATS	Bench mount kit automatic ATS	102-00042
Bench_mount_kit_horizontal_ATS	Bench mount kit horizontal ATS	102-00041
Bench_mount_kit_ATS	Bench mount kit movable ATS	102-00040
Overhead_suspension_ATS	Overhead suspension ATS	102-00050

Subject to technical changes.



Waste-free bundling up to Ø 100 mm

Cable ties for Autotool System ATS

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 ATS.

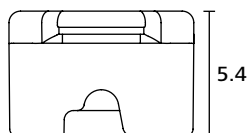
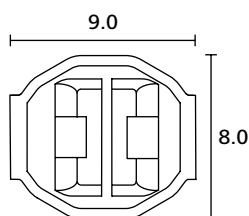
Please find the corresponding Bundling Clips on page 146.

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

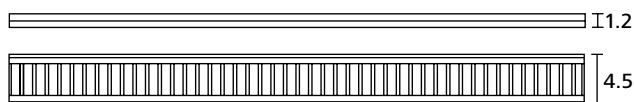
RoHS ✓

RoHS ✓

RoHS ✓



Closure ATS



Strap



= Minimum Loop Tensile Strength for Cable Ties (newton)

TYPE	Description	Bundle Ø max.	N	Colour	Material	Pack Cont.	Article-No.
Closures_Black_ATS	Closures Black ATS	100.0	225	Black (BK)	PA66HSUV	5000 pcs.	102-66210
Closures_Natural_ATS	Closures Natural ATS	100.0	225	Natural (NA)	PA66HSUV	5000 pcs.	102-66209
Strap_Black_ATS	Strap Black ATS	100.0	225	Black (BK)	PA66HIRHSUV	500 m	102-66110
Strap_Natural_ATS	Strap Natural ATS	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.

Tensioning Tools for Cable Ties



MK10-SB.
See page 360.

1



MK20, MK21.
See page 360.

2, 3



MK3PNP2.
See page 361.

4



EVO7i/EVO7iSP.
See page 363.

5



MK7P.
See page 366.

6



EVO9i/EVO9iSP, EVO9SG.
See page 364.

7, 8



EVO9iHT.
See page 364.

9



MK9P.
See page 367.

10



ProCut.
See page 365.

Tensioning Tools for Cable Ties KR-Series



KR6/8.
See page 368.

11



EVO KR.
See page 368.

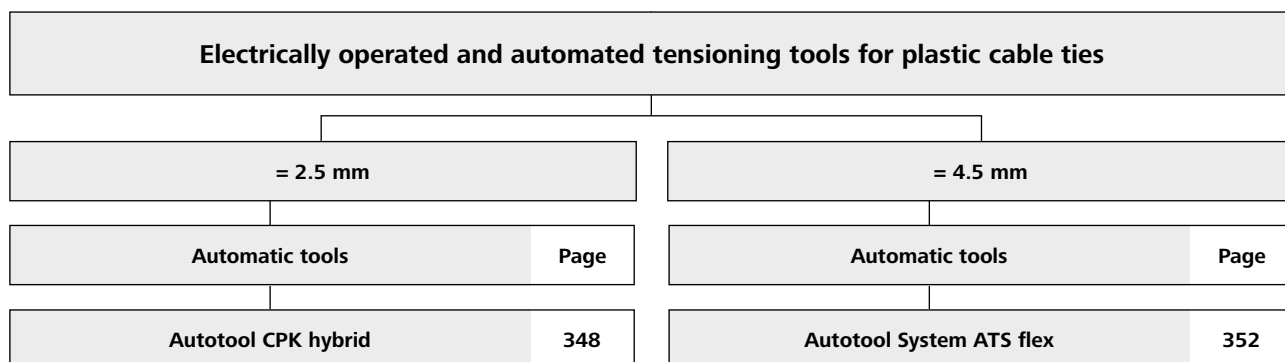
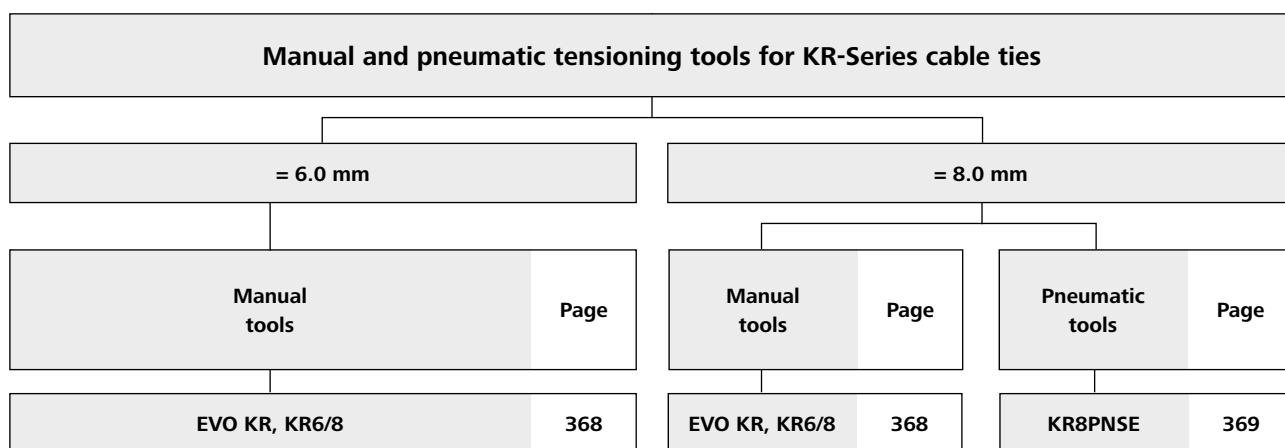
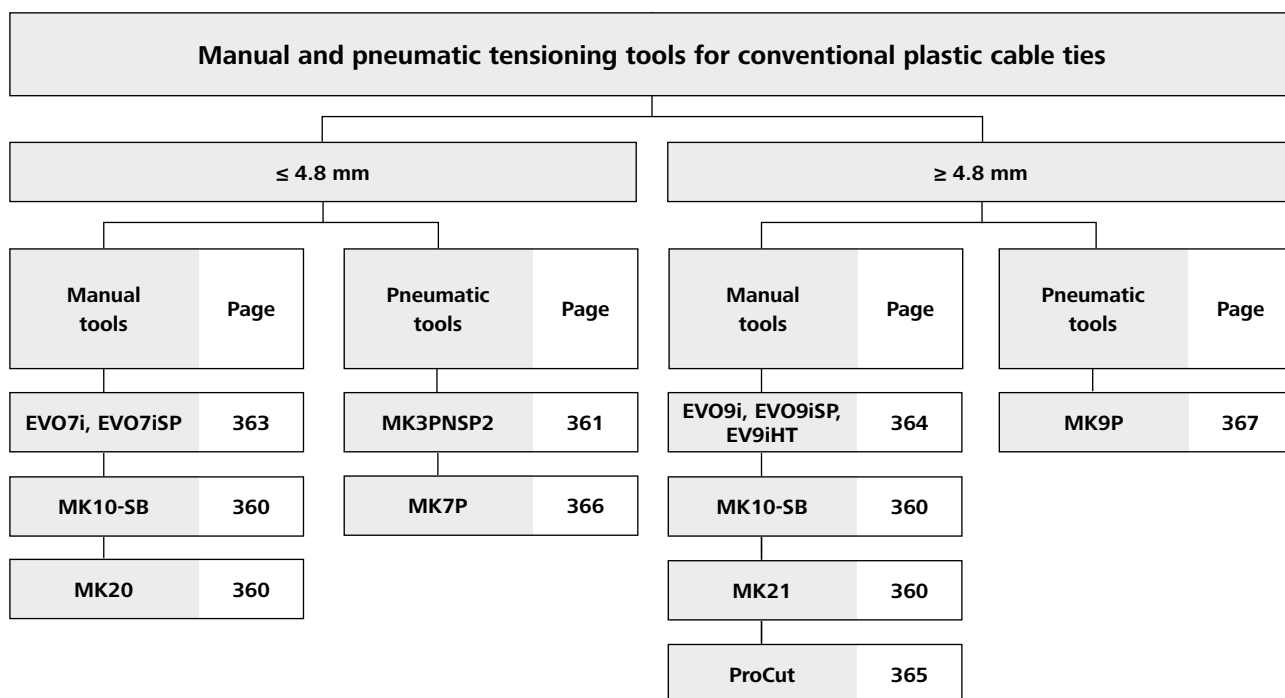
12



KR8PNSE.
See page 369.

13

Flowchart for optimum tool selection



Tensioning Tools for Metal Ties



MK9SST.
See page 370.

15



MK9PSST.
See page 370.

16



HDT16.
See page 371.

17



KST-STG200.
See page 371.

18



MST6.
See page 372.

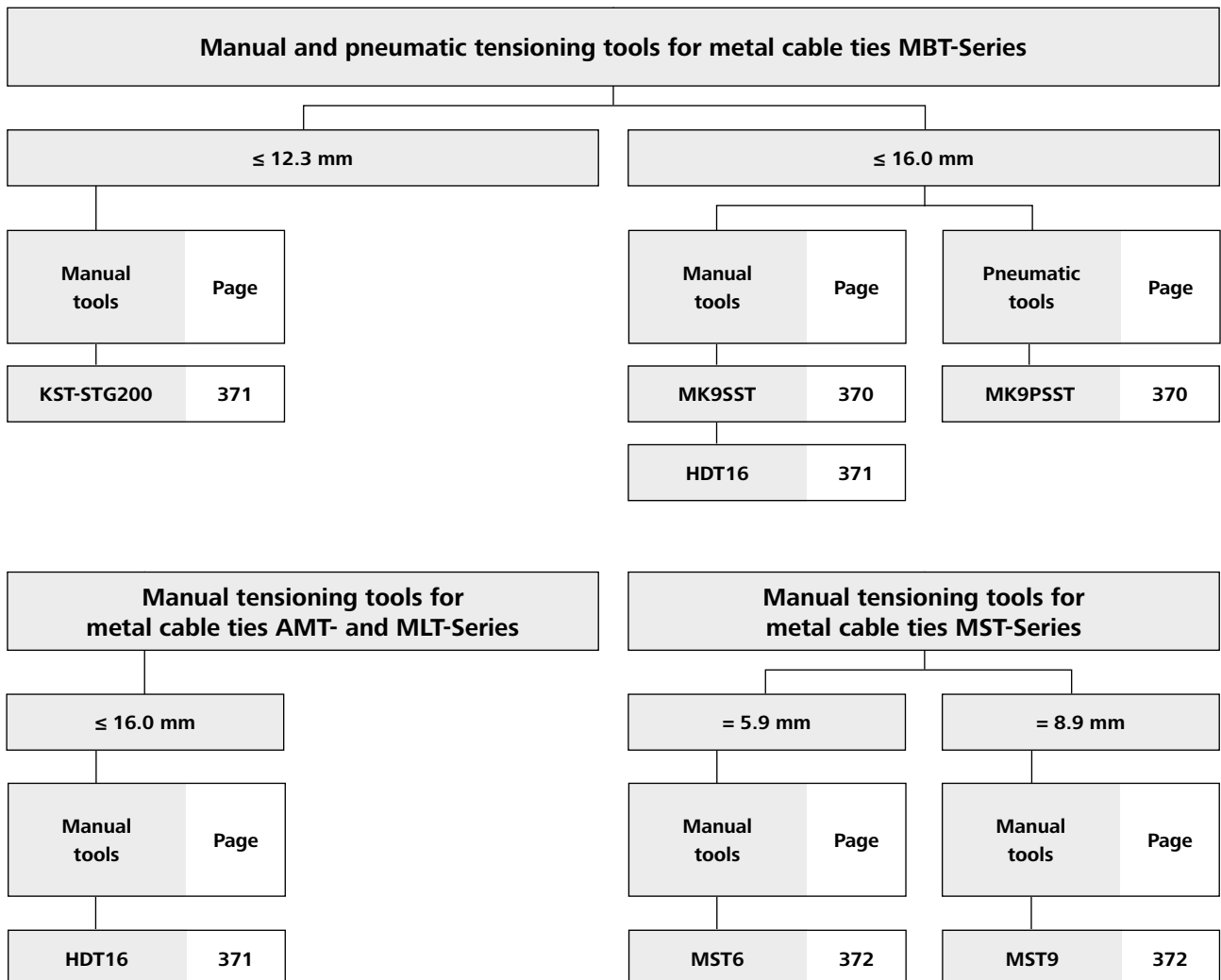
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MST9.
See page 372.

20

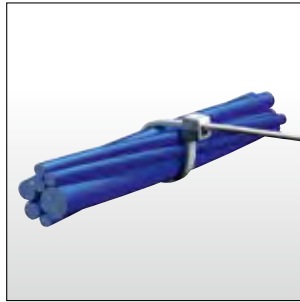
Flowchart for optimum tool selection



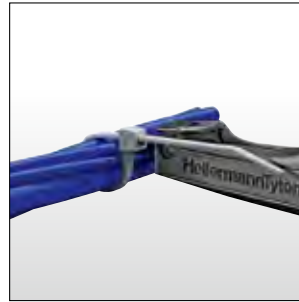
How to use a cable tie tool (using an EVO7 as an example)



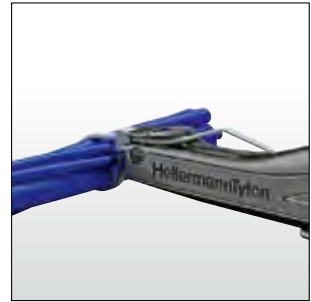
1. Use tension adjustment knob to select your desired tension setting.



2. 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:

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

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

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



Manual tensioning tools MK20 and 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	0.05 kg	110-21016

All dimensions in mm. Subject to technical changes.



Pneumatic tensioning tool metal housing

MK3PNSP2 up to 4.8 mm strap width

The MK3PNSP2 pneumatic bundling tool is characterized by its unique repeatability at high bundling performance. The cut end of the tie is automatically ejected. The usual work interruptions to remove the cable tie sections omitted. The pneumatic tensioning tool ensures high process reliability in production, above all in the automotive industry.

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.)	5.5 Bar
Air Pressure (max.)	6 Bar
Hose Internal Diameter	4.0 mm
L x H x W	approx. 225 x 140 x 40 mm



TYPE	Description	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MK3PNSP2 with microswitch	MK3PNSP2 with microswitch	4.8	1.5	0.582 kg	110-03440
MK3PNSP2 with microswitch and tension lock	MK3PNSP2 with microswitch and tension lock	4.8	1.5	0.568 kg	110-03460
MK3PNSP2 with tension lock	MK3PNSP2 with tension lock	4.8	1.5	0.582 kg	110-03420
MK3PNSP2	MK3PNSP2	4.8	1.5	0.555 kg	110-03400
SP MK3PNSP2 air hose 3 meters	Air hose, complete	-	-	0.139 kg	110-30002
SP MK3PNSP2 cutting blade	Replacement Blade	-	-	0.001 kg	110-30101

All dimensions in mm. Subject to technical changes.



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 patented 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

EVO7i up to 4.8 mm strap width

HellermannTyton's EVO7i industrial-grade, mechanical hand tool is ergonomically designed to reduce the risks of repetitive stress injuries to operators while simultaneously increasing productivity. The EVO7i Tension/Lock/Cut Technology delivers performance, safety and comfort for operators. Calibrated tensioning assures consistent wire-bundle tension before flush cut-off. Available in a standard grip span (EVO7i) or short grip span (EVO7ISP), 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 EVO7i: Maximum performance with minimum effort.

TYPE	Description	Strap Width max.	Strap Thickness max.	Weight	Article-No.
EVO7i	EVO7i	4.8	1.5	0.281 kg	110-77001
EVO7iSP	EVO7ISP	4.8	1.5	0.279 kg	110-77002
SP EVO7 Blade	EVO7 blade	-	-	0.00063 kg	110-70021

All dimensions in mm. Subject to technical changes.

Manual Processing Tools

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

Subject to technical changes.



Manual tensioning tool plastic housing

EVO9i up to 13.5 mm strap width

HellermannTyton's EVO9i industrial-grade, mechanical hand tool is ergonomically designed to reduce the risks of repetitive stress injuries to operators while simultaneously increasing productivity. The EVO9i Tension/Lock/Cut Technology delivers performance, safety and comfort for operators. Calibrated tensioning assures consistent wire-bundle tension before flush cut-off. Available in a standard grip span (EVO9i) or short grip span (EVO9iSP) for smaller hands. The EVO9iHT is the "high tension" version of the EVO9i family. 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
- Housing made of resilient and lightweight glass fibre-reinforced polyester
- Standard grip span (90 mm) and short grip span (80 mm) available
- EVO9iHT for high tension applications
- EVO9SG is a modified EVO9 tool that is suitable for the application of Soft Grip ties



Manual tensioning tool EVO9i.

EVO9SG for the application of Soft Grip ties!

TYPE	Description	Strap Width max.	Strap Thickness max.	Weight	Article-No.
EVO9i	EVO9i	13.5	2.0	0.369 kg	110-88001
EVO9iHT	EVO9iHT	13.5	2.0	0.373 kg	110-88003
EVO9iSP	EVO9iSP	13.5	2.0	0.369 kg	110-88002
EVO9SG	EVO9SG	12.7	2.9	0.357 kg	110-80130
SP EVO9 Blade	EVO9 Blade	-	-	0.002 kg	110-80037

All dimensions in mm. Subject to technical changes.



Battery-powered tool for tensioning and cutting cable ties

ProCut

The ProCut battery powered cable tie tool system automatically tensions and cuts T50-T250 and wide strap cable ties. A single pull of the trigger does all the work. Its 16 tension settings ensure precision results. Designed for professionals with an ergonomic, soft-grip handle and low-force trigger to reduce hand strain. A secondary trigger button on the rear assists in hard-to-reach applications. The ProCut can produce up to 2,000 cycles per charge utilizing the included Metabo CAS battery (also used on our CPK Hybrid tool) and charger.

Features and benefits

- Cordless operation means less hand strain and no cord to get in the way.
- Auto calibration after every cycle means exceptionally consistent performance.
- Flush cut nose piece and blade ensure clean, safe cuts.
- Included Metabo CAS 2.0 Ah battery and charger are compatible with several other tool brands.



ProCut: battery-powered application tool for cable tying in heavy-duty.

TYPE	Description	Strap Width max.	Strap Thickness max.	Weight	Article-No.
ProCut 9 no battery	ProCut	13.5	2.0	1.149 kg	104-10010

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.

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

TYPE	Description	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MK7P	MK7P	4.8	1.5	0.87 kg	110-07100
SP MK3PNP2 air hose 3 meters	Air hose, complete	-	-	0.139 kg	110-30002
SP MK7P replacement blade	Replacement Blade	-	-	0.001 kg	110-07111

All dimensions in mm. Subject to technical changes.



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



TYPE	Description	Strap Width max.	Strap Thickness max.	Air att. Position	Weight	Article-No.
MK9P	MK9P	13.5	2.5	lower air connection	0.82 kg	110-09100
MK9P w/ Upper air	MK9P	13.5	2.5	top air connection	1.057 kg	110-09110
SP MK3PNSP2 air hose 3 meters	Air hose, complete	-	-	-	0.139 kg	110-30002
SP MK9P replacement blade	Replacement Blade	-	-	-	0.004 kg	110-09111

All dimensions in mm. Subject to technical changes.



Manual tensioning tool for KR-Series

EVO KR

The EVO KR is designed to apply KR cable ties. Due to its special design the application is secure and offers a high vibration resistance. The EVO KR tool 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. One reason for customers, especially in the railway and automotive industry, to take this system as a preferred solution.

Features and benefits

- One-hand operation
- Sideway insertion of the cable tie
- Lightweight plastic housing
- One front plate to apply 6 mm and 8 mm KR cable ties
- Tension adjustment and possibility to calibrate EVO KR tool



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

TYPE	Description	For Ties	Strap Width max.	Weight	Article-No.
EVO-KR	EVO KR	KR6, KR8	8.0	0.537 kg	121-68000
SP EVO KR and KR6/8 replacement blade	Replacement blade	KR6, KR8	-	0.002 kg	122-68019

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	Description	For Ties	Strap Width max.	Weight	Article-No.
KR6/8	KR6/8	KR6, KR9	8.0	0.69 kg	121-00680
SP EVO KR and KR6/8 replacement blade	Replacement blade	KR6, KR8	-	0.002 kg	122-68019

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 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.

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



TYPE	Description	For Ties	Strap Width max.	Weight	Article-No.
KR8PNSE	KR8PNSE	KR8-Series	8.0	1.537 kg	121-00889
SP KR8PNSE replacement blade	Replacement Blade	KR8-Series	-	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 fiber reinforced housing for extra durability.
- Ergonomic design protects against repetitive strain injuries.
- Calibrated for consistent tensioning and cutting of MBT/MAT-series metal ties.



MK9SST.

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

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

TYPE	Description	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MK9PSST	MK9PSST	16.0	0.5	0.972 kg	110-95350
SP MK9PSST replacement blade	Replacement Blade	-	-	0.004 kg	110-95307

All dimensions in mm. Subject to technical changes.



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.

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	0.4	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.

TYPE	Description	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MST6	MST6	5.9	0.3	0.532 kg	110-61000
SP MST6 replacement blade	Replacement Blade	-	-	0.003 kg	110-61001
SP MST6 replacement punch	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	Description	Strap Width max.	Strap Thickness max.	Weight	Article-No.
MST9	MST9	8.9	0.4	0.532 kg	110-13000
SP MST9 replacement blade	Replacement Blade	-	-	0.004 kg	110-13001
SP MST9 replacement punch	Replacement Punch	-	-	0.001 kg	110-13002

All dimensions in mm. Subject to technical changes.

Application Tooling for Cutting Plastic Ties



EVO cut.
See page 365.

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Application Tooling for Heat Shrinkable Tubing



H6100.
See page 376.

30



CHG900.
See page 375.

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Application Tooling for Non Shrinkable Tubing



NA.
See page 377.

35-38



VA.
See page 378.

39-41

Application Tooling for Braided Sleeves



HSG0.
See page 379.

45



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 or head 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 eight interchangeable nosepieces for plastic cable ties and KR-Series ties of varying widths and thicknesses.

Features and benefits

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



EVO cut: Cutting tool for plastic cable ties.

TYPE	Description	Strap Width max.	Strap Thickness max.	Article-No.
EVOcut	EVO cut	8.0	2.1	110-05105

All dimensions in mm. 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 60 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
- Autonomous operating time: 1 hour
- 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 antifleare 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.

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

Subject to technical changes.



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 is supplied with an EU plug.



H6100 Electrical Hot Air Gun.



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



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	1600 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.

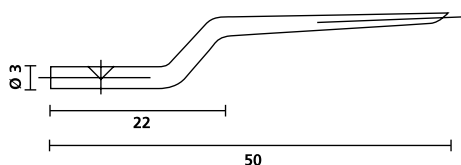
Features and benefits

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

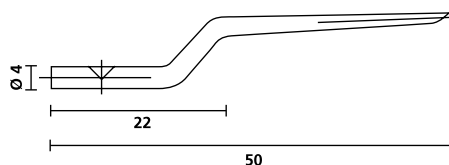
For Hellerrine lubricant see page 289.



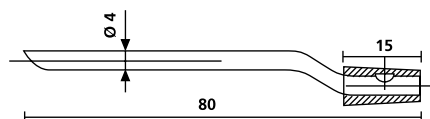
Fast, secure application with the NA three-pronged pliers.



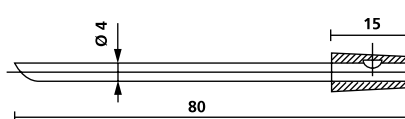
Replacement prong NA0/1



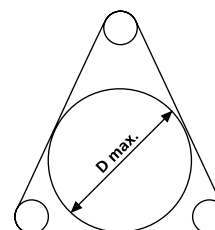
Replacement prong NA1K/3



Replacement prong NA4/5



Replacement prong NA8/10



Three-prong pliers D = max. application diameter

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.



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.

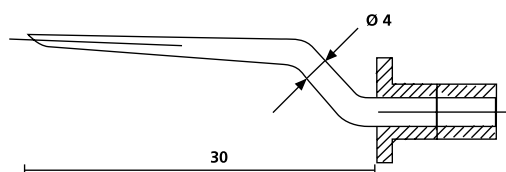
Features and benefits

- Suitable for expanding tubing cut lengths and rubber parts
- Withstands high loading
- Set of 3 2.5/5 pins
- Adaptable to larger diameters with replacement prong sizes 8 and 18
- Hellerine lubricant recommended for easy operation

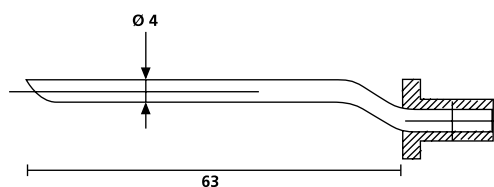
For Hellerine lubricant see page 289.



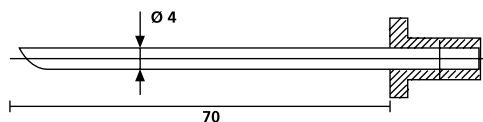
VA2.5/5.



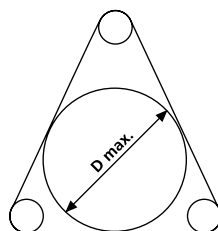
Replacement prong size 2.5/5



Replacement prong size 8



Replacement prong size 18



Three-prong pliers $D = \text{max. application diameter}$

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.



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.

TYPE	Description	Weight	Colour	Article-No.
HSG0	Hot cutting tool	1.15 kg	Blue (BU)	170-99001
HSG0BLADE	Replacement blade	0.027 kg	Metal (ML)	170-99002

Subject to technical changes.