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Autotool System 3080

- **Waste-free bindings for diameters up to 80mm**

The ATS3080 is an electrical bundling system from HellermannTyton. In about one second you get absolutely waste free bindings. The outside serrated strap and closures are each supplied on "endless reels". The ATS3080 is an outstanding innovation in bundling systems!

High quality standards in the production industry are requiring fully automatic, precise bundling. Only the automation of bindings allows efficient manufacturing of high quantities in a consistent workflow. A challenge which HellermannTyton solved successfully with the development of the ATS3080.

The ATS3080 can be used with an overhead dispenser, a bench mount system or integrated into a fully automated production line. This makes the tool flexible for different applications, especially in the Automotive and the white or brown goods industry, or even for packaging. It is a high-capacity tool with a very short cycle time (0.8 - 1.3 sec., depending on diameter of jaws).



For the stationary installation – the bench mount kit.

Article-No.	Type
102-00000	ATS3080 complete
102-00010	Power Pack
102-00040	Bench Mount Kit Flexible
102-00041	Horizontal Bench Mount Kit
102-00042	Bench Mount Kit for Automation
102-00043	Bench Mount Kit fixed
102-00050	Overhead Dispenser
102-00052	Overhead Dispenser Lowering

Subject to technical changes.

Power Supply	Electrical
Cycle Time	max. 1.3 sec.
Weight (kg)	1.9
Application	Stationary or mobile

Power Supply unit	Input: 230/115 VAC, 50/60 Hz, Output: 48 VDC, max. 50 W
Bench mount kit	Tool- and tiereelstand including footpedal
Overhead Suspender	Overhead dispenser and tiereelstand including balancer



ATS3080 with overhead dispenser for mobile applications.

The ATS 3080 is innovative for its strap and closures. The two-piece consumable consists of strap and closures, is waste-free and guarantees optimised material utilisation. You do not lose any time cleaning or opening any waste boxes. The bundle diameter is detected mechanically. This allows a flush cut off of the bindings and together with the plain inner surface of the strap prevents damage to wire insulation. The material is available in reels of 500m strap and reels of 5000 piece closures.

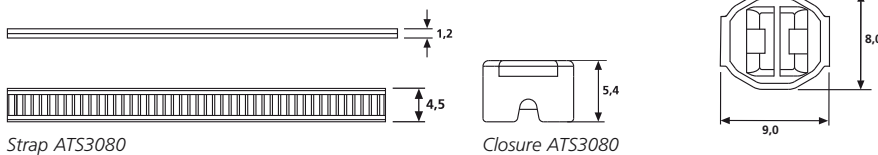


Closures and strap for ATS3080.

Another advantage of the ATS3080 is the three different jaw diameters which can be changed very quickly: 30mm, 50mm and 80mm are available. If your application needs ties from very small up to 80mm, you use the 80 s. If your max. is 45mm you choose the 50 s and save time. You don't have to adjust anything.



Three jaws optimise the cycle time for the different bundling diameters.



Strap ATS3080

Closure ATS3080

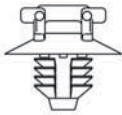
Article-No.	Type	Type	Min. Tensile Strength (N)	Material	Colour	Pack Cont.
102-66109	102-66109	Strap Natural ATS3080	220	PA66HIRHSUV	Natural (NA)	500 m
102-66110	Strap ATS3080	Strap Black ATS3080	220	PA66HIRHSUV	Black (BK)	500 m
102-66209	102-66209	Closures Natural ATS3080	220	PA66HSUV	Natural (NA)	5000 pcs.
102-66210	102-66210	Closures Black ATS3080	220	PA66HSUV	Black (BK)	5000 pcs.

Subject to technical changes.

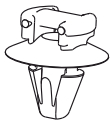
By assembling the ATS3080 into different devices the tool can be customised for various customer applications. For example, with the horizontal bench mount kit plastic bags can be closed in seconds. Also, because of the unique closing mechanism the plastic tie closing the bag can serve as a tamper evident seal and is compatible material for recycling.

For products with special requirements of cable tying e.g. a binding at an exact position, as shown on the picture with the medical hoses, the HellermannTyton development department can design and supply special jigs for the ATS3080.

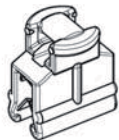
HellermannTyton developed an innovative solution for harnesses in the Automotive industry. With the ATS3080 it is now possible to fasten fixings, also known as foot parts, at the same time as the automatic binding. This simplifies the final assembly of harnesses, because the pre-assembled harness can be fixed directly to the metal edge or into a hole! This means that you can now produce a complex harness completely automatically.



Fir Tree ATS FT6



Arrow Head ATS SFT6,5



Fixing Clip ATS EC35

**For your assembly
line situation we offer
individual solutions.**



Exact positioning of cable ties.



Close plastic bags.



Fix clips automatically.

Autotool 2000

- Automatic bundling up to 20mm diameter

Features and Benefits

Autotool 2000 is an electronically operated automatic cable tying system which has been design to speed up the binding process. Consistency and quality in the process of bundling, threading and cutting is achieved at the touch of a button.

The HellermannTyton Autotool 2000 is very easy to use. The tool has a binding speed of 0,8 seconds per cycle. The tool handles both bands of 50 or reels of 3500 cable ties. The ties can bundle up to a diameter of 20 mm. Once fitted, the tie will have a flush cut off. The adjustable binding force and the electronic fault diagnosis system ensures that optimum results are achieved.



Autotool 2000.



Packaging application with the bench mount kit.



Bench mount kit, bandoleer reel, Autotool 2000 and power pack.

The reliability, ergonomics, simple handling and flexibility makes the HellermannTyton Autotool 2000 ideal for the diverse applications where high quantities are required, e.g. in cable assemblies for automotive, electronics, TV and domestic appliances, packaging of bags and the bundling of parts together. The system suits both the high volume use of ties or where flexible production practices are necessary. Overall the Autotool 2000 gives full, flexible and cost effective utilization of labour and maximises efficiency.

With the bench mount kit or the overhead dispenser the Autotool 2000 can be used stationary or mobile, depending on the customer's application.

Another opportunity is the integration of AT2000 into a fully automated production line. To do this you would need the control box, which is the interface between AT2000 and your production line.

For your assembly line situation we offer individual solutions.



Overhead suspender, reel with ties and Autotool 2000.



Harness application.

Power Supply	Electrical, with Power Pack
Cycle Time	0.8 s
Weight (kg)	1.2
Application	Stationary, mobile or included in a fully automated production line.
Tension Force	Continuously adjustable

Article-No.	Description	Description
120-00000	Autotool 2000	Automatic bundling up to 20mm diameter
120-00010	Power Pack	Electrical: - 230/115 VAC Mains Output: - 25 VDC 50 W
120-00040	Bench Mount Kit	Bench mounting kit with foot pedal operation
120-00050	Overhead Suspender	Overhead suspension unit with spring balance
120-00060	Control Box	For Automation, interface for your production line
120-00080	HH20	Bundle Ø max. 20 mm, standoffs are used as spacer for an optimal bundling, Bundle height 45-25 mm

Subject to technical changes.

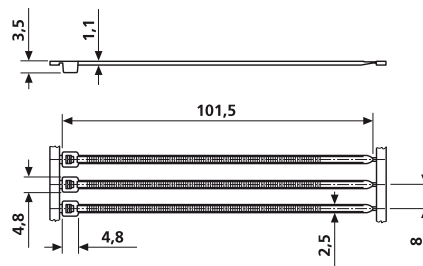
Cable ties for Autotool 2000

The cable ties for the Autotool 2000 are made entirely of plastic, making them easy to recycle. The inside-serrated cable ties ensure a secure hold on the bundle, up to a diameter of 20 mm. Once fitted, the tie will have a flush cut-off. The cable ties are available in natural and black.

The tool handles both bands of 50 or reels of 3500 cable ties.



Cableties for AT2000.



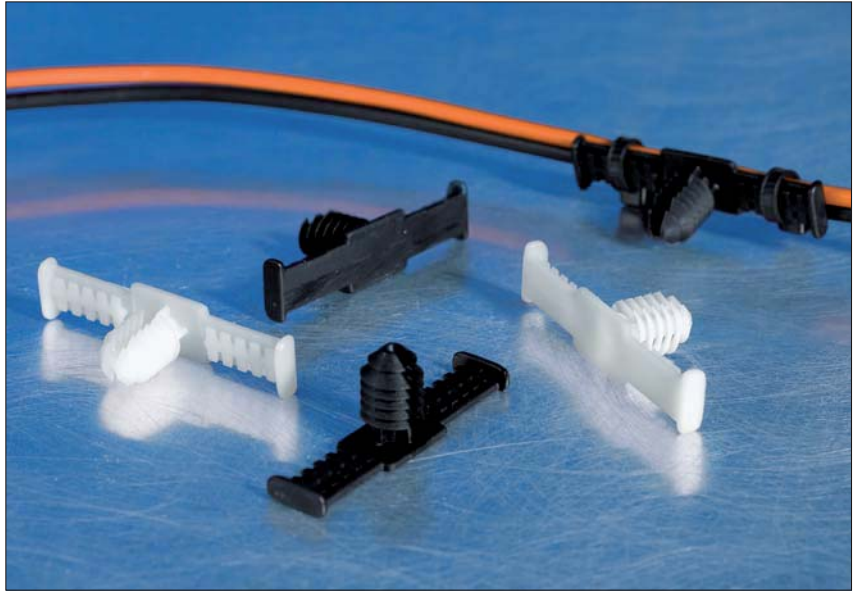
Bandoleer T18RA.

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Colour	Material
120-40019	T18RA50	100	2.5	20.0	80	Natural (NA)	PA66HS
120-50009	T18RA3500 HS	100	2.5	20.0	80	Natural (NA)	PA66HS
120-40020	T18RA50	100	2.5	20.0	80	Black (BK)	PA66HSUV
120-50010	T18RA3500	100	2.5	20.0	80	Black (BK)	PA66HSUV
120-46009	T18RA3500	100	2.5	20.0	80	Natural (NA)	PA46

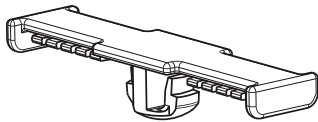
All dimensions in mm. Subject to technical changes.

Bundling Clips

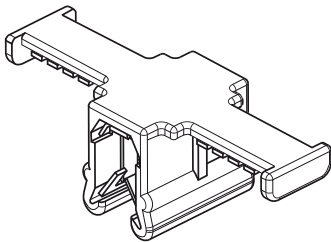
On Automotive harnesses many "tape clips" are used for harness mount points. These are mostly manually installed with tape. HellermannTyton have now created a new and much faster solution to install the now called "bundling clips".



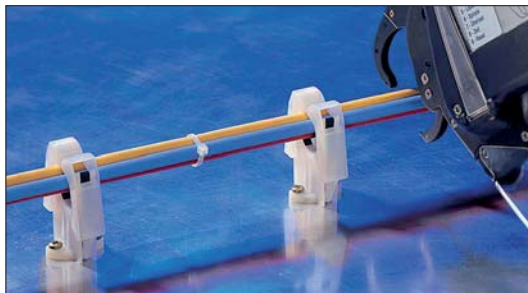
Bundling Clip ATS BC FT6LG.



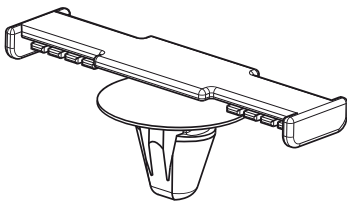
Bundling Clip ATSBCSFT6,5.



BundlingClip ATSBCEC35.



Harness board accessory HH20.



BundlingClip ATSBCKSFT6,5.

Article-No.	Type	Panel Thickness min.	Panel Thickness max.	Fixing Hole Ø (FH)	Colour	Material
102-67065	ATSBCFT6LG	0.6	5.1	6.3 - 7.0	Black (BK)	PA66HIRHS
102-69065	ATSBCSFT6.5-MD	0.6	5.1	6.3 - 7.0	Black (BK)	PA66HIRHS
102-69066	ATSBCSFT6.5	2.3	3.3	6.3 - 6.7	Black (BK)	PA66HIRHS
102-69067	ATSBCSFT6,5S	0.7	1.3	6.3 - 6.7	Black (BK)	PA66HIRHS
102-68355	ATSBCEC35	1.5	4.0	–	Black (BK)	PA66HIRHS

All dimensions in mm. Subject to technical changes.