



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.).

Technical Table

Article-No.	Type
102-00000	Autotool System 3080
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.

Material Data

Power Supply	Electrical
Cycle Time	approx. 1.3 sec. (50mm jaw)
Weight (Kg)	2.2
Application	Stationary or mobile

Material Data

Power Supply unit	Input: 230/115 VAC, 50/60 Hz, Output: 48 VDC, max. 50 W
Bench mount kit	Tool and tie reel stand including foot pedal
Overhead Suspender	Overhead Suspender and tie reel stand including balancer



ATS3080 with overhead dispenser for mobile applications.



For the stationary installation – the bench mount kit.



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.

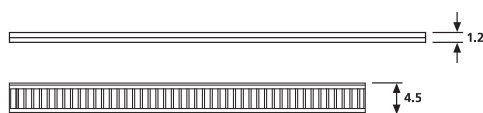


Closures and strap for ATS3080.

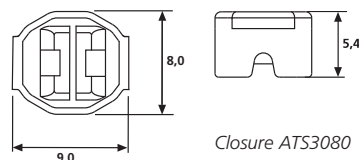
Another advantage of the ATS3080 is the three different jaw diameters which can be changed very fast: 30mm, 50mm and 80mm are available. If your application needs ties from very small up to 80mm, you use the 80 s. If your max. is 45mm you choose the 50 s and save time. You don't have to adjust anything.



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



Strap ATS3080



Closure ATS3080

Material Data

Material	Polyamide 6.6 heat and UV stabilised (PA66HSUV)
Operating Temperature	-40 °C to +105 °C Continuous, (+145 °C for 500 h)
Flammability	UL94 V2

Material Data

Material	Polyamide 6.6 high impact modified, heat and UV stabilised (PA66HIRHSUV)
Operating Temperature	-40 °C to +95 °C Continuous, (+105 °C for 5000 h)
Flammability	UL94 HB

Technical Table

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

Subject to technical changes.



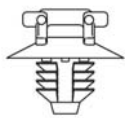
By assembling the ATS3080 into different devices the tool can be customised for various customer applications. For example, with the horizontal bench mount kit plastic bags can be closed in seconds. Also, because of the unique closing mechanism the plastic tie closing the bag can serve as a tamper evident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

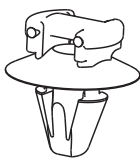
HellermannTyton developed an innovative solution for harnesses in the Automotive industry. With the ATS3080 it is now possible to fasten fixings, also known as foot parts, at the same time as the automatic binding. This simplifies the final assembly of harnesses, because the pre-assembled harness can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



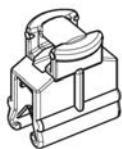
Exact positioning of cable ties.



Fir Tree ATS FT6



Arrow Head ATS SFT6,5



Fixing Clip ATS EC35



Close plastic bags.



Fix clips automatically.

For your assembly line situation we offer individual solutions.



Autotool 2000

- Automatic bundling up to 20mm diameter

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.

The reliability, ergonomics, simple handling and flexibility makes the HellermannTyton Autotool 2000 ideal for 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.



Assembly equipment, band reel, Autotool 2000 in receptacle and power supply unit.

For your assembly line situation we offer individual solutions.



Packaging application with the bench mount kit.

Automatic Cable Tying System



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.



Overhead suspender, reel with ties and Autotool 2000.

Material Data

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

Technical Table

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 max. 30 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. 20mm, stand-offs are used as spacer for an optimal bundling, Bundle height 45-25mm

Subject to technical changes.



Cable ties for Autotool 2000

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.



Cableties for AT2000.

Material Data

Material	Polyamide 6.6 Heat Stabilised (PA66HS)
Colour	Natural (NA)
Quantity	Bandolier with 50 cable ties Bandolier with 3500 cable ties
Operating Temperature	-40 °C to +105 °C Continuous, (+145 °C for 500 h)
Flammability	UL94 V2



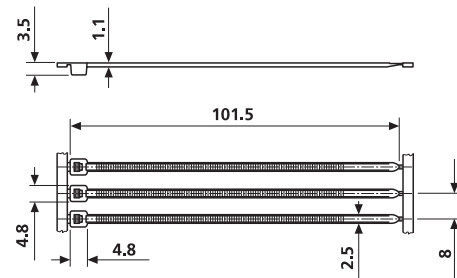
Material Data

Material	Polyamide 6.6 heat and UV stabilised (PA66HSUV)
Colour	Black (BK)
Quantity	Bandolier with 50 cable ties Bandolier with 3500 cable ties
Operating Temperature	-40 °C to +105 °C Continuous, (+145 °C for 500 h)
Flammability	UL94 V2



Material Data

Material	Polyamide 4.6 (PA46)
Colour	Natural (NA)
Quantity	Bandolier with 3500 cable ties
Operating Temperature	-40 °C to +150 °C Continuous, (+195 °C for 500 h)
Flammability	UL94 V2, Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation



Bandoleer T18RA

Technical Table

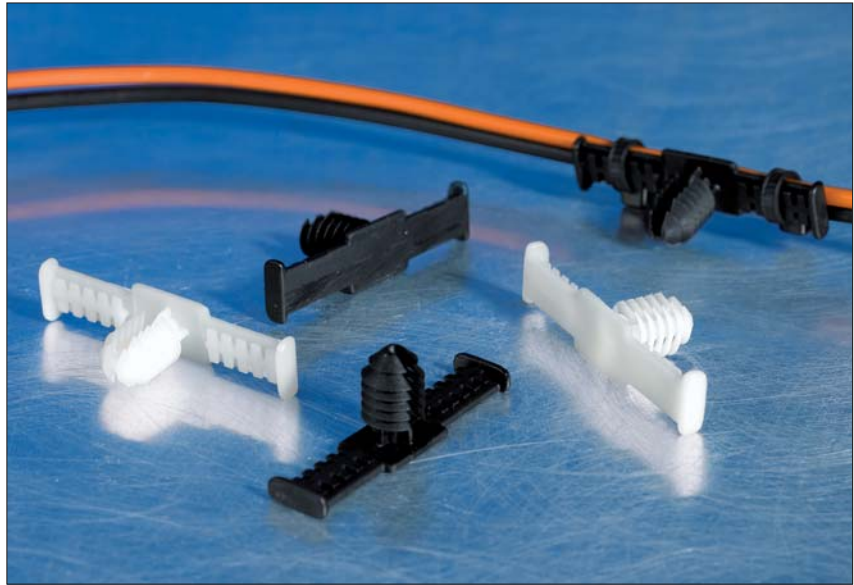
Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Colour	Material
120-40009	T18RA50	100	2.5	20.0	80	Natural (NA)	PA66HS
120-50009	T18RA3500	100	2.5	20.0	80	Natural (NA)	PA66HS
120-40010	T18RA50	100	2.5	20.0	80	Black (BK)	PA66HSUV
120-50010	T18RA3500	100	2.5	20.0	80	Black (BK)	PA66HSUV
120-46009	T18RA3500	100	2.5	20.0	80	Natural (NA)	PA46

All dimensions in mm. Subject to technical changes.

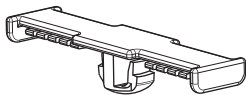


Bundling Clips

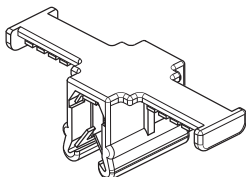
On Automotive harnesses many "tape clips" are used for harness mount points. These are mostly manually installed with tape. HellermannTyton have now created a new and much faster solution to install the now called "bundling clips". With a cable tie on each side of the clip you can fix it easily. The small ridges below the clip avoid under-taping on small harness diameters and also prevent sideways movement.



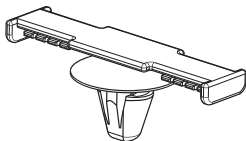
Bundling Clip ATS BC FT6LG.



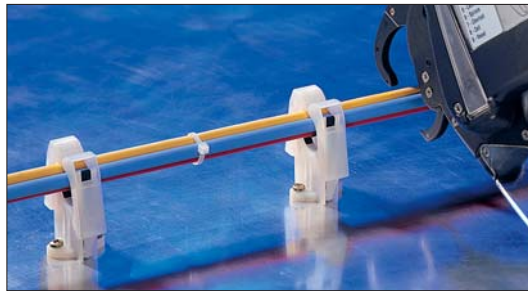
BundlingClip ATSBCEC35



BundlingClip ATSBCKSFT6,5



Bundling Clip ATSBKSFT6,5



Harness board accessory HH20.

Technical Table

Article-No.	Type	Panel Thickness min.	Panel Thickness max.	Fixing Hole Ø (FH)	Colour	Material
102-67065	ATSBCT6LG	0.6	5.1	6.3 - 7.0	Black (BK)	PA66HIRHS
102-69065	ATSBKSFT6,5-MD	2.0	3.0	6.3-7.0	Black (BK)	PA66HIRHS
102-69066	ATSBKSFT6,5	2,3	3,3	6.3-6.7	Black (BK)	PA66HIRHS
102-69067	ATSBCKSFT6,5	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.