

Processing Tools



AutoTool System 3080

Automatic tying system for a variety of applications

HellermannTyton

AutoTool System 3080

The AT3080 is an electrical bundling system from HellermannTyton. In about one second you get absolutely waste free bindings. The outside serrated strap and the closures are each supplied on "endless reels". The AT3080 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 AT3080.

The AT3080 can be used with an overhead suspender or a bench mount system. 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 (about 1.3sec./50mm jaws).



AT3080 with overhead dispenser for mobile applications.

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



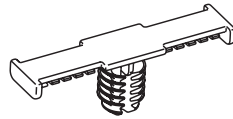
Closures, strap and fixing parts FT6 and EC10.

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

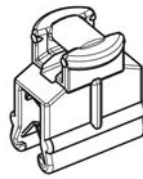
Another advantage of the ATS3080 is the three different jaw diameters: 30mm, 50mm and 80mm are available. If your application needs ties from very small up to 80mm, you use the 80's. If your max. is 45mm you choose the 50's and save time. You don't have to adjust anything. The sophisticated electronics recognise it and change the parameters for the cycle.



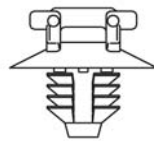
Autotool System 3080.



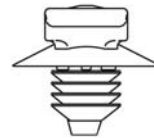
Fixing Clip ATS BCFT6LG



Fixing Clip ATS EC35



Fir Tree ATS FT6



Arrow Head ATS SFT6,5



The footpart is placed, ...



... the strap is tied automatically through the head of the footpart, ...



... and the harness is completely bundled including the footpart.

Technical Table

Article-No.	Type
102-00000	ATS3080 Complete
102-00010	Power Pack ATS3080
102-00040	Bench Mount Kit
102-00050	Overhead Dispenser
102-00060	Control Box

All dimensions in mm. Subject to technical changes.

**Other fixings
available on request.**

The ATS 3080 is also innovative for its strap and closures. The outside serrated strap cannot damage the insulation of wires. The whole system is waste free and every shot has a flush cut off. The tool uses only the required strap length for your diameter. You do not lose any time cleaning or opening any waste boxes, resulting in a clean and safe production environment. The material is available in reels of 500m strap and reels of 5000 piece closures.

The ATS 3080 has a tension control system as an optional feature. Every shot is stored and documented on the PCB. You can read out the data via an interface to your PC, with this option you can guarantee a reliable binding and fixing process.



For the stationary installation – the bench mount kit.

Technical Table

Article-No.	Type	Bundle Ø min.	Bundle Ø max.
102-30000	ATS3080 jaw 30 mm	0	30
102-50000	ATS3080 jaw 50 mm	0	50
102-80000	ATS3080 jaw 80 mm	0	80
102-55000	ATS3080 jaw 50 mm for fixing parts	0	50

All dimensions in mm. Subject to technical changes.

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

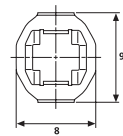
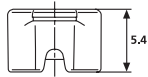
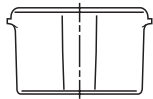


Three jaws are optimising the cycle time for the different bundling diameters.

Technical Table

Article-No.	Type	Panel Thickness min.	Panel Thickness max.	Fixing Hole Ø (FH)	Material	Colour	Pack Cont.
102-67060	ATS FT6	0.6	3.0	6.3-7.0	PA66HIRHS	Black (BK)	500 pcs.
102-67061	ATS FT6 LG	0.6	6.0	6.3-7.0	PA66HIRHS	Black (BK)	1000 pcs.
102-67065	ATS BC FT6 LG	0.6	5.1	6.3-7.0	PA66HIRHS	Black (BK)	1000 pcs.
102-67080	ATS FT8G SD	0.8	5.0	7.9-8.5	PA66HIRHS	Black (BK)	1000 pcs.
102-68350	ATS EC35	1.5	4.0	–	PA66HIRHS	Black (BK)	5000 pcs.
102-68360	ATS EC36	1.5	4.0	–	PA66HIRHS	Black (BK)	5000 pcs.
102-68370	ATS EC37	1.5	4.0	–	PA66HIRHS	Black (BK)	5000 pcs.
102-68380	ATS EC38	1.5	4.0	–	PA66HIRHS	Black (BK)	5000 pcs.
102-69060	ATS SFT 6.5	2.5	3.5	6.3-6.7	PA66HIRHS	Black (BK)	1000 pcs.

All dimensions in mm. Subject to technical changes.



Closure ATS3080

Material Data

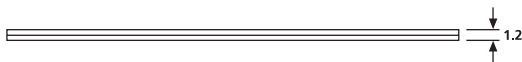


Material	Polyamide 6.6 heat and UV stabilised (PA66HSUV)
Operating Temperature	-40 °C to +105 °C Continuous, (+145 °C for 500 h)
Flammability	UL94 V2

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



Strap ATS3080

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.

All dimensions in mm. Subject to technical changes.

HellermannTyton

HellermannTyton
Sharston Green Business Park
1 Robeson Way, Altrincham Road,
Wythenshawe, Manchester, M22 4TY
Tel: +44 (0) 161 947 2200
Fax: +44 (0) 161 945 3708
E-Mail: info@HellermannTyton.co.uk
www.HellermannTyton.co.uk