## BUNDLING AND SECURING SOLUTIONS

Optimum storage conditions for cable ties made of polyamide (PA)

HellermannTyton cable ties and mounts are manufactured from high-quality polyamide (PA). This material is mainly processed using injection molding, but can also be extruded.

Polyamide is a hygroscopic material. This means that the material absorbs and loses moisture. For optimum handling of cable ties, it is important that the material is in a condition of equilibrium with a water content of approximately 2.5%.
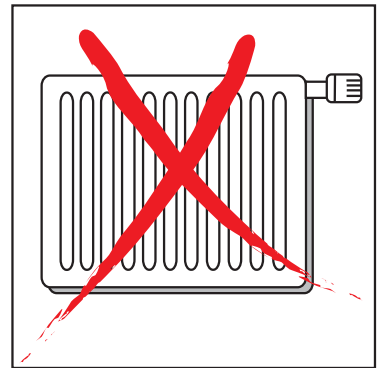
The packaging used by HellermannTyton ensures that the water content in the material remains constant. Therefore, it is important to store the products in their original packaging to preserve the quality of the ties and mounts.
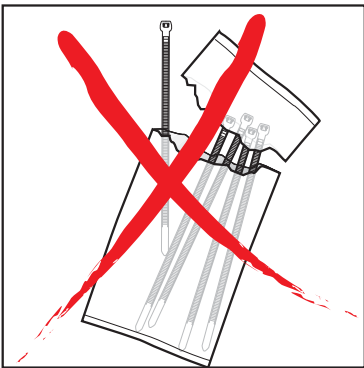
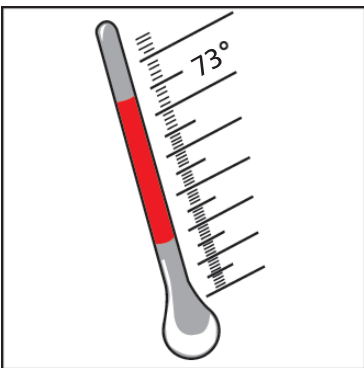**Once opened you should use the ties as quickly as possible.**
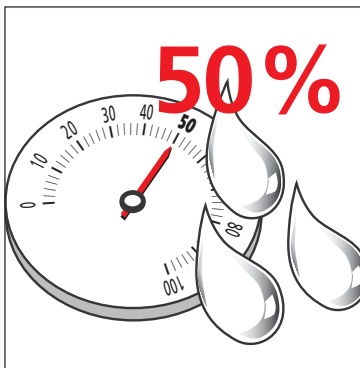
Do not expose the product to direct sunlight

Store the product away from direct sources of heat

Ideal storage conditions:

73 °F

50% relative humidity

Cable Ties and Tool Systems

HellermannTyton's cable tie and tool systems are designed to work together to provide optimal consistency, quality, safety, and overall performance. Wrapping and hand tensioning a high quality cable tie is just the first step in assuring a high quality application. It is necessary to use one of HellermannTyton's cable tie tools to ensure that the cable tie is applied with just the right amount of tension and with a flush cut that won't leave a sharp edge. HellermannTyton leads the world in the development and manufacture of ergonomically designed, high performing cable tie tools in mechanical, power assisted, and automatic versions. With HellermannTyton's automatic cable tie systems, cable ties are applied, tensioned and cut-off to the correct tension in approximately one second. HellermannTyton's mechanical and power assisted tools expertly tension and cut-off hand applied cable ties.
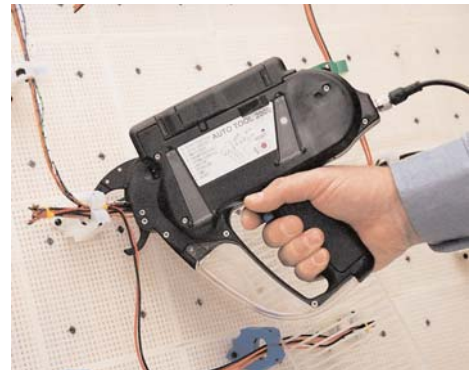
AT2000 Automatic Cable Tie Tool — For automatic cable tie tool systems, see page 72.

Consistency and Quality

By utilizing HellermannTyton's cable ties and tools together, a consistent tension and cut-off is achieved. When using non-approved methods of cutting off a cable tie, wire and cable can be crushed, the strap of the cable tie may be cut-off too deeply causing the tie to disengage, or the cable tie can be applied too loosely which can affect the bundling and securing properties of the application.

Safety

A flush cut is another benefit of using HellermannTyton's cable tie tools and ties as a system. Worker safety, and resulting reduction of workers' compensation claims, is an increasing priority of most companies. HellermannTyton's cable tie tools are ergonomically designed to reduce worker effort and causes of repetitive motion injuries. When using HellermannTyton's tools and cable ties, a flush cut is achieved, creating a smooth edge. When non- approved methods of applying a cable tie are used, a sharp edge is almost always left at the end of the tie - causing injury to workers and end-customers. All of HellermannTyton's cable tie tool systems offer adjustable tension and cut-off levels to assure optimal tensions and flush cut-offs.

MK7P - Power Assisted Cable Tie Tool — For power assisted cable tie tools, see page 69.

Overall Performance

Used together, HellermannTyton's cable ties and ergonomically designed tool systems assure a high quality installation which prevents damage to wire and cable and potential rework due to inappropriately applied cable ties - all lowering installed costs while improving performance.

MK7 and MK9 Mechanical Cable Tie Tools — For mechanical cable tie tools, see page 66.

Materials

HellermannTyton has worked very closely with its material suppliers to develop resins that are specifically formulated for fastener and cable tie production. HellermannTyton has spearheaded material advancements in component manufacturing to assure its customers of the finest quality products. Environmental factors can have an adverse effect on fasteners. It is very important to use the most suitable material for each application. HellermannTyton fasteners are available in a variety of materials ranging from polyamides (nylon) to fluoropolymers.

Polyamide 6.6 – General Purpose (RoHS)
General purpose polyamide 6.6 features light weight, high strength and a wide temperature range. Polyamide 6.6 is hygroscopic, and therefore, absorbs or releases moisture depending on its environment. Thus, the moisture level of the material will affect tensile strength, stiffness and elongation of the product.

Polyamide 6.6 – Heat Stabilized (RoHS)
With similar properties and benefits as polyamide 6.6, products manufactured with heat stabilized polyamide 6.6 material have a chemical stabilizer added for higher continuous temperature applications.

Polyamide 6.6 – UV Resistant (RoHS)
Chemical inhibitors are used to give polyamide 6.6 material added properties to fight against premature aging of products due to the effects of ultraviolet rays.

Polyamide 6.6 – UV Resistant
(2% Carbon for Military Specification) (RoHS)
The physical properties of this material include carbon, which acts as a UV stabilizer, prolonging the life of the product under ultraviolet conditions. It also allows HellermannTyton's black cable ties to meet the particular military specification for cable ties.

Polyamide 6.6 – V0 Flame Retardant (RoHS)
This material meets UL 94V-0 flammability requirements. Flame retardant additives generally reduce tensile strength when compared to general purpose polyamide 6.6, but this resin has been formulated to minimize such effects.

Polyamide 6.6 – Impact Modified, Heat Stabilized and UV Resistant (RoHS)
Impact modified polyamide 6.6 offers the increased flexibility, heat resistance and UV resistance of the high impact material with the added feature of greater resistance to vibration, heat and sunlight for mobile applications.

Polyamide 6.6 – High Impact (RoHS)
Impact modifiers are added to increase flexibility. High impact polyamide 6.6 has stable tensile strength due to its reduced influence from moisture. It is excellent for high vibration applications, as within the aircraft and automobile industries and performs better than polyamide 6.6 against ultraviolet rays. Good for outdoor use.

For more information on RoHS/WEEE Compliance, go online to: http://www.hellermann.tyton.com/rohs.asp

Polyamide 4.6 (RoHS)
Polyamide 4.6, like polyamide 6.6, offers light weight and high strength benefits, but offers an even wider temperature range.This material can be used at a higher continuous operating temperature than polyamide 6.6 - heat stabilized. In addition to having excellent heat resistance, polyamide 4.6 has low creep effects and retention of stiffness at elevated temperatures.

Polypropylene (RoHS)
Polypropylene is used in environments where chemical effects on polyamide are a concern. It is not affected by inorganic acids (hydrochloric), polyhydric alcohols (ethyleneglycol), neutral salts (sodium chloride) and basic salts (sodium bicarbonate). Polypropylene also resists a number of other chemicals with good results, although it has lower tensile strength than polyamide 6.6 (about half). Polypropylene has good UV resistance.

Polyamide 12 (RoHS)
Although not as strong as polyamide 6.6 (about half), polyamide 12 is extremely flexible, absorbs little moisture, ages better and has better chemical and UV resistance than general purpose polyamide 6.6. Polyamide 12 is good for applications where products are exposed to metal oxides.

Ethylenterafluorineethylene - Tefzel (RoHS)
Although about two-thirds the strength of polyamide 6.6, Tefzel is resistant to a wide range of chemicals, such as concentrated hydrofluoric and sulfuric acids. It is also a low water absorbing material, therefore, is not adversely affected by water. Tefzel is radiation resistant up to 200 megarads and meets the fire and smoke requirements of IEEE 383. Tefzel also withstands high temperatures and ultraviolet light exposure. Products made from Tefzel material also have non-outgassing properties for zero gravity applications.

Polyacetal (RoHS)
Polyacetal has excellent dielectric properties, UV and chemical resistance, and a UL94-HB flame rating. It has been tested for excellent weatherability against moisture, sunlight, and other environmental conditions.

Halar (RoHS)
Halar is similar to Tefzel in performance and benefits. Halar is recognized for its low smoke density attribute when burned. This makes products made out of Halar more desirable for use in areas where smoke generation is a concern,as when bundling wire and cable in air handling spaces. * Halar is a registered trademark of Solvay S.A.

Material Specifications

MATERIAL	CONTINUOUS OPERATING TEMPERATURE MAX.	MIN.	TENSILE STRENGTH AT 73°F DRY AS MOLDED ASTM D-638 (PSI)	UL FLAME RATING	OXYGEN INDEX %	GAMMA RADIATION RESISTANCE	UV RESISTANCE	MILITARY, FEDERAL, ASTM AND FDA SPECIFICATIONS
Polyamide 6.6- General Purpose (PA66)	185°F 85°C	-40°F -40°C	12,000	94V-2	28	1 x 10⁵ Rads	Poor	ASTM D-4066PA0111 FDA CFR177.1500
Polyamide 6.6- Heat Stabilized (PA66HS)	221°F 105°C	-40°F -40°C	12,000	94V-2	26	1 x 10⁵ Rads	Poor	ASTM D-4066PA0121
Polyamide 6.6- UV resistant (PA66UV)	185°F 85°C	-40°F -40°C	12,000	94V-2	26	1 x 10⁵ Rads	Good	-
Polyamide 6.6-2% Carbon UV resistant	185°F 85°C	-40°F -40°C	12,000	94V-2	26	1 x 10⁵ Rads	Good	ASTM D-4066PA0181 MS3367/8
Polyamide 6.6-Flame Retardant (PA66VO)	185°F 85°C	-40°F -40°C	10,800	94V-0	34	1 x 10⁵ Rads	Poor	ASTM D-4066PA0110
Polyamide 6.6-Impact Mod. Heat Stabilized, UV Resistant (PA66HIRHS)	230°F 110°C	-40°F -40°C	9,500	94-HB	N/A	N/A	Very Good	ASTM D-4066PA0161
Polyamide 6.6- High Impact (PA66HIR)	230°F 110°C	-40°F -40°C	8,800	94-HB	19	1 x 10⁵ Rads	Good	ASTM D-4066PA0151
Polyamide 4.6- Heat Stabilized (PA46)	275°F 135°C	-40°F -40°C	14,400	94V-2	27	9 x 10⁶ Rads	Poor	ASTM D-4066PA0922
Polypropylene- Chemical Resistant (PP)	239°F 115°C	-40°F -40°C	3,400	94-HB	N/A	1 x 10⁵ Rads	Good	ASTM D-4101PP0327
Polyamide 12- UV resistant (UV)	176°F 80°C	-40°F -40°C	5,800	94-HB	N/A	1 x 10⁵ Rads	Good	ASTM D-4066PA411
Ethlenterafluorineethylene Tefzel® (E/TFE)	302°F 150°C	-112°F -80°C	5,800	94V-0	30	2 x 10⁸ Rads	Excellent	UL2043 ASTM D-3159 Type 1 Grade 1
Polyacetal (POM)	185°F 85°C	-40°F -40°C	6,500	94-HB	N/A	N/A	Excellent	-
Halar® (PA66HL)	300°F 150°C	-104°F -76°C	6,100	94V-0	52	2 x 108Rads	Excellent	ASTM D-3275 Type CFDA CFR177.1380

Material Performance Guide

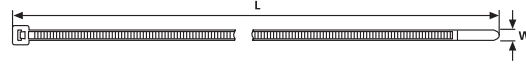| ATTRIBUTE	POLYAMIDE 6.6 GENERAL PURPOSE	POLYAMIDE 6.6 HEAT STABILIZED	POLYAMIDE 6.6 UV RESISTANT	POLYAMIDE 6.6 - 2% CARBON UV RESISTANT	POLYAMIDE 6.6 FLAME RETARDANT V0	POLYAMIDE 6.6 IMPACT MODIFIED, HEAT STABILIZED UV RESISTANT	POLYAMIDE 6.6 HIGH IMPACT	POLYAMIDE 4.6 HEAT STABILIZED	POLYPROPYLENE	POLYAMIDE 12 UV RESISTANT	ETHLENTERAFLUORINE-ETHYLENE — TEFZEL®	POLYACTAL	HALAR®
Tensile Strength	8	8	8	9	7	8	7	10	2	4	5	5	5
High Temperature	2	3	2	2	2	3	2	9	2	1	10	3	10
Flammability	5	5	5	5	10	2	2	5	2	2	10	2	10
UV Resistance	1	1	5	8	1	8	2	1	5	3	10	10	10
Radiation	3	3	3	3	3	3	3	3	6	3	10	3	10
Chemical Resistance	6	6	6	6	6	6	6	6	8	8	10	-	10
- Hydrocarbons	8	8	8	8	8	8	8	8	6	8	10	8	10
- Chlorinated Hydrocarbons	6	6	6	6	6	6	6	6	3	8	10	5	5
- Acids	2	2	2	2	2	2	2	2	8	5	10	8	10
- Bases	8	6	6	6	6	6	6	6	8	6	10	8	10
- Salts	3	3	3	3	3	3	3	3	10	8	10	8	10
Relative Cost	Low	Low	Med.	Med.	Med.	Med.	Med.	Med.	Med.	Med.	High	Med.	High

10 = Most Recommended 1= Least Recommended

Cable Ties

Standard Cable Ties
T18 - T30 Series - Natural and Black

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

File# E64139   File# E64139

Product Selection

Article No.	Part No.	Type	US Gov. Designation	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
				lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
T18S													
111-02805	**T18S9C2**	T18S	MS3367-4-9	18 lbs	(80)	3.27"	(83)	.63"	(16)	.09"	(2.3)	Natural	100
111-02809	**T18S9M4**	T18S	MS3367-4-9	18 lbs	(80)	3.27"	(83)	.63"	(16)	.09"	(2.3)		1000
111-02810	**T18S0C2**	T18S	*	18 lbs	(80)	3.27"	(83)	.63"	(16)	.09"	(2.3)	Black	100
111-02811	**T18S0M4**	T18S	*	18 lbs	(80)	3.27"	(83)	.63"	(16)	.09"	(2.3)		1000
T18R													
112-01819	**T18R9C2**	T18R	MS3367-4-9	18 lbs	(80)	4"	(100)	.87"	(22)	.10"	(2.5)	Natural	100
111-01872	**T18R9M4**	T18R	MS3367-4-9	18 lbs	(80)	4"	(100)	.87"	(22)	.10"	(2.5)		1000
111-00405	**T18R0C2**	T18R	*	18 lbs	(80)	4"	(100)	.87"	(22)	.10"	(2.5)	Black	100
111-01841	**T18R0M4**	T18R	*	18 lbs	(80)	4"	(100)	.87"	(22)	.10"	(2.5)		1000
T18I													
111-02311	**T18I9C2**	T18I	–	18 lbs	(80)	5.51"	(140)	1.38"	(35)	.10"	(2.5)	Natural	100
111-02322	**T18I9M4**	T18I	–	18 lbs	(80)	5.51"	(140)	1.38"	(35)	.10"	(2.5)		1000
111-02308	**T18I0C2**	T18I	–	18 lbs	(80)	5.51"	(140)	1.38"	(35)	.10"	(2.5)	Black	100
111-02315	**T18I0M4**	T18I	–	18 lbs	(80)	5.51"	(140)	1.38"	(35)	.10"	(2.5)		1000
T18L													
111-02189	**T18L9C2**	T18L	–	18 lbs	(80)	8.0"	(205)	2.17"	(55)	.10"	(2.5)	Natural	100
111-02026	**T18L9M4**	T18L	–	18 lbs	(80)	8.0"	(205)	2.17"	(55)	.10"	(2.5)		1000
111-00401	**T18L0C2**	T18L	–	18 lbs	(80)	8.0"	(205)	2.17"	(55)	.10"	(2.5)	Black	100
111-02015	**T18L0M4**	T18L	–	18 lbs	(80)	8.0"	(205)	2.17"	(55)	.10"	(2.5)		1000
T30R													
112-03019	**T30R9C2**	T30R	MS3367-5-9	30 lbs	(135)	5.9"	(150)	1.38"	(35)	.14"	(3.5)	Natural	100
111-03047	**T30R9M4**	T30R	MS3367-5-9	30 lbs	(135)	5.9"	(150)	1.38"	(35)	.14"	(3.5)		1000
111-00438	**T30R0C2**	T30R	*	30 lbs	(135)	5.9"	(150)	1.38"	(35)	.14"	(3.5)	Black	100
111-03034	**T30R0M4**	T30R	*	30 lbs	(135)	5.9"	(150)	1.38"	(35)	.14"	(3.5)		1000
T30L													
111-03325	**T30L9C2**	T30L	–	30 lbs	(135)	7.48"	(190)	1.97"	(50)	.14"	(3.5)	Natural	100
111-03327	**T30L9M4**	T30L	–	30 lbs	(135)	7.48"	(190)	1.97"	(50)	.14"	(3.5)		1000
111-03313	**T30L0C2**	T30L	–	30 lbs	(135)	7.48"	(190)	1.97"	(50)	.14"	(3.5)	Black	100
111-03315	**T30L0M4**	T30L	–	30 lbs	(135)	7.48"	(190)	1.97"	(50)	.14"	(3.5)		1000
T30LL													
111-03515	**T30LL9C2**	T30LL	–	30 lbs	(135)	11.42"	(290)	3.15"	(80)	.14"	(3.5)	Natural	100
111-03517	**T30LL9M4**	T30LL	–	30 lbs	(135)	11.42"	(290)	3.15"	(80)	.14"	(3.5)		1000
111-03501	**T30LL0C2**	T30LL	–	30 lbs	(135)	11.42"	(290)	3.15"	(80)	.14"	(3.5)	Black	100
111-03511	**T30LL0M4**	T30LL	–	30 lbs	(135)	11.42"	(290)	3.15"	(80)	.14"	(3.5)		1000
T30XL													
111-02900	**T30XL9C2**	T30XL	MS3367-5-9	30 lbs	(135)	14.37"	(365)	4.13"	(105)	.14"	(3.5)	Natural	100
111-02907	**T30XL9M4**	T30XL	MS3367-5-9	30 lbs	(135)	14.37"	(365)	4.13"	(105)	.14"	(3.5)		1000
111-02901	**T30XL0C2**	T30XL	*	30 lbs	(135)	14.37"	(365)	4.13"	(105)	.14"	(3.5)	Black	100
111-02903	**T30XL0M4**	T30XL	*	30 lbs	(135)	14.37"	(365)	4.13"	(105)	.14"	(3.5)		1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P. MK9 and MK9P cannot be used with T18S cable ties.
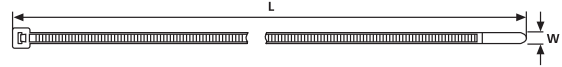
Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

* Military black available. Contact HellermannTyton for more information.

Standard Cable Ties
T40 - T50 Series - Natural and Black

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

(RoHS)

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File# E64139   *File# E64139*

Product Selection

| Article No.	Part No.	Type	US Gov. Designation	Min. Tensile Strength lbs.	(N)	Length (L) in.	(mm)	Max. Ø Bundle in.	(mm)	Width (W) in.	(mm)	Color	Pkg. Qty.
T40R													
112-04019	**T40R9C2**	T40R(U)	–	40 lbs	(180)	8.27"	(210)	2.16"	(55)	.16"	(4.0)	Natural	100
111-04131	**T40R9M4**	T40R(U)	–	40 lbs	(180)	8.27"	(210)	2.16"	(55)	.16"	(4.0)		1000
112-04060	**T40R0C2**	T40R(U)	–	40 lbs	(180)	8.27"	(210)	2.16"	(55)	.16"	(4.0)	Black	100
111-04122	**T40R0M4**	T40R(U)	–	40 lbs	(180)	8.27"	(210)	2.16"	(55)	.16"	(4.0)		1000
T40I													
111-04609	**T40I9C2**	T40I	–	40 lbs	(180)	11.42"	(290)	3.15"	(80)	.16"	(4.0)	Natural	100
111-04612	**T40I9M4**	T40I	–	40 lbs	(180)	11.42"	(290)	3.15"	(80)	.16"	(4.0)		1000
111-04600	**T40I0C2**	T40I	–	40 lbs	(180)	11.42"	(290)	3.15"	(80)	.16"	(4.0)	Black	100
111-04604	**T40I0M4**	T40I	–	40 lbs	(180)	11.42"	(290)	3.15"	(80)	.16"	(4.0)		1000
T40L													
111-04300	**T40L9C2**	T40L	–	40 lbs	(180)	14.4"	(365)	4.13"	(105)	.16"	(4.0)	Natural	100
111-04311	**T40L9M4**	T40L	–	40 lbs	(180)	14.4"	(365)	4.13"	(105)	.16"	(4.0)		1000
111-04301	**T40L0C2**	T40L	–	40 lbs	(180)	14.4"	(365)	4.13"	(105)	.16"	(4.0)	Black	100
111-04305	**T40L0M4**	T40L	–	40 lbs	(180)	14.4"	(365)	4.13"	(105)	.16"	(4.0)		1000
T50S													
111-05811	**T50S9C2**	T50S	–	50 lbs	(225)	5.9"	(150)	1.38"	(35)	.18"	(4.6)	Natural	100
111-05813	**T50S9M4**	T50S	–	50 lbs	(225)	5.9"	(150)	1.38"	(35)	.18"	(4.6)		1000
111-05806	**T50S0C2**	T50S	–	50 lbs	(225)	5.9"	(150)	1.38"	(35)	.18"	(4.6)	Black	100
111-05808	**T50S0M4**	T50S	–	50 lbs	(225)	5.9"	(150)	1.38"	(35)	.18"	(4.6)		1000
T50R													
112-05019	**T50R9C2**	T50R	MS3367-1-9	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)	Natural	100
111-04862	**T50R9M4**	T50R	MS3367-1-9	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)		1000
111-04878	**T50R0C2**	T50R	*	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)	Black	100
111-04846	**T50R0M4**	T50R	*	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)		1000
T50I													
112-05219	**T50I9C2**	T50I	MS3367-7-9	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)	Natural	100
111-05230	**T50I9M4**	T50I	MS3367-7-9	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)		1000
111-00444	**T50I0C2**	T50I	*	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)	Black	100
111-05216	**T50I0M4**	T50I	*	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)		1000
T50L													
112-05419	**T50L9C2**	T50L	MS3367-2-9	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)	Natural	100
111-05449	**T50L9M4**	T50L	MS3367-2-9	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)		1000
111-00445	**T50L0C2**	T50L	*	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)	Black	100
111-00504	**T50L0M4**	T50L	*	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)		1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes.

Use **Part No.** for ordering and **Type** for specification purposes.

* Military black available. Contact HellermannTyton for more information.

Cable Ties

Heavy Duty Cable Ties
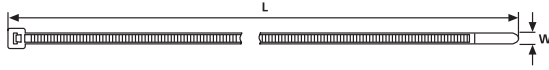
Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

T120 Series

File# E64139   _File# E64139_

Product Selection

Article No.	Part No.	Type	US Gov. Designation	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
				lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
T120S													
111-12819	**T120S9K2**	T120S	–	120 lbs	(535)	8.85"	(225)	2.17"	(55)	.30"	(7.6)	Natural	50
111-12813	**T120S9H4**	T120S	–	120 lbs	(535)	8.85"	(225)	2.17"	(55)	.30"	(7.6)		500
111-12803	**T120S0K2**	T120S	–	120 lbs	(535)	8.85"	(225)	2.17"	(55)	.30"	(7.6)	Black	50
111-12808	**T120S0H4**	T120S	–	120 lbs	(535)	8.85"	(225)	2.17"	(55)	.30"	(7.6)		500
T120I													
111-12211	**T120I9K2**	T120I	–	120 lbs	(535)	11.81"	(300)	3.15"	(80)	.30"	(7.6)	Natural	50
111-12213	**T120I9H4**	T120I	–	120 lbs	(535)	11.81"	(300)	3.15"	(80)	.30"	(7.6)		500
111-12201	**T120I0K2**	T120I	–	120 lbs	(535)	11.81"	(300)	3.15"	(80)	.30"	(7.6)	Black	50
111-12206	**T120I0H4**	T120I	–	120 lbs	(535)	11.81"	(300)	3.15"	(80)	.30"	(7.6)		500
T120R													
112-12019	**T120R9K2**	T120R	MS3367-3-9	120 lbs	(535)	15.24"	(387)	4.13"	(105)	.30"	(7.6)	Natural	50
111-12036	**T120R9H4**	T120R	MS3367-3-9	120 lbs	(535)	15.24"	(387)	4.13"	(105)	.30"	(7.6)		500
112-12060	**T120R0K2**	T120R	*	120 lbs	(535)	15.24"	(390)	4.13"	(105)	30"	(7.6)	Black	50
111-12013	**T120R0H4**	T120R	*	120 lbs	(535)	15.24"	(387)	4.13"	(105)	.30"	(7.6)		500
T120L													
111-12419	**T120L9K2**	T120L	MS3367-6-9	120 lbs	(535)	30.0"	(760)	8.85"	(225)	.30"	(7.6)	Natural	50
111-12405	**T120L0K2**	T120L	*	120 lbs	(535)	30.0"	(760)	8.85"	(225)	.30"	(7.6)	Black	50

Installation tools - MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes. *Military black available. Contact HellermannTyton for more information.

T150 Series

File# E64139

Product Selection

Article No.	Part No.	Type	US Gov. Designation	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
				lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
T150R													
111-15203	**T150R9X2**	T150R(U)	–	175 lbs	(780)	15.35"	(390)	4.13"	(105)	.35"	(8.8)	Natural	25
111-15200	**T150R0X2**	T150R(U)	–	175 lbs	(780)	15.35"	(390)	4.13"	(105)	.35"	(8.8)	Black	25
T150M													
111-15619	**T150M9X2**	T150M	–	175 lbs	(780)	21.00"	(530)	5.91"	(150)	.35"	(8.9)	Natural	25
111-00124	**T150M0X2**	T150M	–	175 lbs	(780)	21.00"	(530)	5.91"	(150)	.35"	(8.9)	Black	25
T150L													
111-15419	**T150L9X2**	T150L	–	175 lbs	(780)	32.28"	(820)	9.65"	(245)	.35"	(8.9)	Natural	25
111-15405	**T150L0X2**	T150L	–	175 lbs	(780)	32.28"	(820)	9.65"	(245)	.35"	(8.9)	Black	25
T150LL													
111-15719	**T150LL9X2**	T150LL	–	175 lbs	(780)	36.42"	(925)	10.83"	(275)	.35"	(8.9)	Natural	25
111-15700	**T150LL0X2**	T150LL	–	175 lbs	(780)	36.42"	(925)	10.83"	(275)	.35"	(8.9)	Black	25
T150XL													
111-15519	**T150XL9X2**	T150XL	–	175 lbs	(780)	43.11"	(1095)	13.00"	(330)	.35"	(8.9)	Natural	25
111-15500	**T150XL0X2**	T150XL	–	175 lbs	(780)	43.11"	(1095)	13.00"	(330)	.35"	(8.9)	Black	25
T150XLL													
111-15304	**T150XLL9X2**	T150XLL	–	175 lbs	(780)	52.17"	(1325)	15.95"	(405)	.35"	(8.9)	Natural	25
111-15300	**T150XLL0X2**	T150XLL	–	175 lbs	(780)	52.17"	(1325)	15.95"	(405)	.35"	(8.9)	Black	25

Installation tools - MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Wide Strap Heavy Duty Cable Ties

The wide strap cable tie minimizes pinching on soft bundles and features a low profile head to provide compact bundling. A thinner strap provides increased flexibility for improved ergonomics.

– Wide strap is designed to minimize pinching of soft hoses and convoluted tubing
– Low profile head
– Clamping rails on the bottom of head to increase grip on round bundles
– Accommodates a large range of bundle diameters: .375" - 4.125" (9.5mm - 104.7mm)
– Flexible strap
– Bent tip for quick insertion into mounts

Material Data	
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**
Flammability	**UL94 HB**
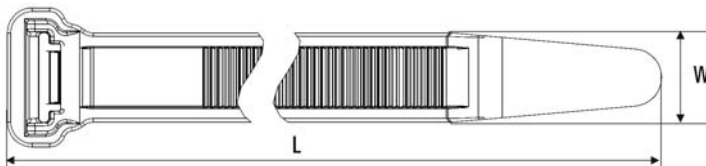
Product Selection											
			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		
Article No.	Part No.	Type	lbs. (N)		in. (mm)		in. (mm)		in. (mm)	Color	Pkg. Qty.
WSS											
111-12303	**111-12303**	WSS	120 lbs	(534)	9.1"	(231.14)	2.25"	(57.15)	.5" (12.7)	Black	60
111-12300	**111-12300**	WSS	120 lbs	(534)	9.1"	(231.14)	2.25"	(57.15)	.5" (12.7)	Black	300
WSI											
111-12304	**111-12304**	WSI	120 lbs	(534)	12.1"	(307.34)	3.25"	(82.55)	.5" (12.7)	Black	60
111-12301	**111-12301**	WSI	120 lbs	(534)	12.1"	(307.34)	3.25"	(82.55)	.5" (12.7)	Black	300
WSR											
111-12305	**111-12305**	WSR	120 lbs	(534)	15.1"	(383.54)	4.125"	(104.78)	.5" (12.7)	Black	60
111-12302	**111-12302**	WSR	120 lbs	(534)	15.1"	(383.54)	4.125"	(104.78)	.5" (12.7)	Black	300

Installation tools - MK9, MK9HT, MK9P. Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.
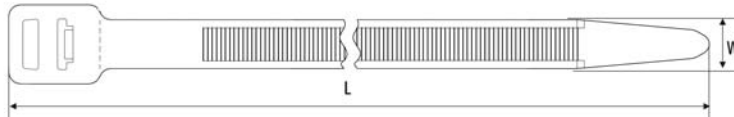
Heavy Duty Cable Ties
T250 Series

These cable ties offer a high minimum tensile strength and have a buckle feature which allows the end of the cable tie to be tucked away if necessary. The buckle also snaps into HellermannTyton LTM, lashing tie mounts.

T250 heavy duty cable tie and lashing tie mount application

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

(RoHS)

File# E64139

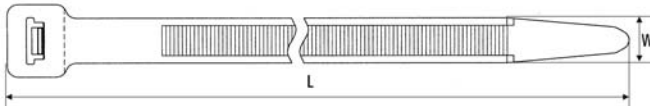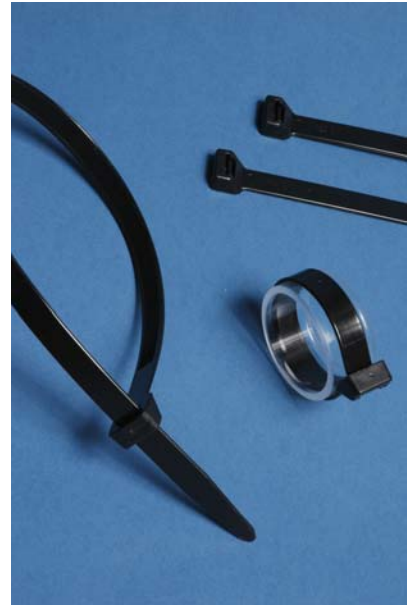| Product Selection											
			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
T250S												
111-24702	**T250S9X2**	T250S	250 lbs	(1115)	9.05″	(230)	2.17″	(55)	.49″	(12.5)	Natural	25
111-24700	**T250S0X2**	T250S	250 lbs	(1115)	9.05″	(230)	2.17″	(55)	.49″	(12.5)	Black	25
T250R												
111-24803	**T250R9X2**	T250R	250 lbs	(1115)	20.47″	(520)	5.71″	(145)	.49″	(12.5)	Natural	25
111-24801	**T250R0X2**	T250R	250 lbs	(1115)	20.47″	(520)	5.71″	(145)	.49″	(12.5)	Black	25
T250M												
111-25002	**T250M9X2**	T250M	250 lbs	(1115)	22.24″	(565)	5.90″	(150)	.49″	(12.5)	Natural	25
111-25001	**T250M0X2**	T250M	250 lbs	(1115)	22.24″	(565)	5.90″	(150)	.49″	(12.5)	Black	25
T250I												
111-25219	**T250I9X2**	T250I	250 lbs	(1115)	28.54″	(725)	8.00″	(203)	.49″	(12.5)	Natural	25
111-00507	**T250I0X2**	T250I	250 lbs	(1115)	28.54″	(725)	8.00″	(203)	.49″	(12.5)	Black	25
T250L												
111-00436	**T250L9X2**	T250L	250 lbs	(1115)	34.65″	(880)	10.00″	(254)	.49″	(12.5)	Natural	25
111-24601	**T250L0X2**	T250L	250 lbs	(1115)	34.65″	(880)	10.00″	(254)	.49″	(12.5)	Black	25
T250XL												
111-00466	**T250XL9X2**	T250XL	250 lbs	(1115)	40.55″	(1030)	12.00″	(305)	.49″	(12.5)	Natural	25
111-25200	**T250XL0X2**	T250XL	250 lbs	(1115)	40.55″	(1030)	12.00″	(305)	.49″	(12.5)	Black	25

Installation tools - MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Heavy Duty Cable Ties

T255 Series

HellermannTyton's T255 series heavy duty cable ties are ideal for bundles requiring a strong cable tie that may also require a higher temperature rating than the T250 series. These ties have a tensile strength of 250 lbs.

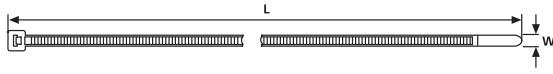| Material Data	
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**
Flammability	**UL94 HB**

RoHS

File# E64139

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
111-25500	**T255S0HIRX2**	T255S	250 lbs	(1115)	8.86"	(225)	2.16"	(55)	.49"	(12.5)	Black	25
111-25400	**T255R0HIRX2**	T255R	250 lbs	(1115)	20.28"	(520)	5.71"	(145)	.49"	(12.5)	Black	25
111-25300	**T255M0HIRX2**	T255M	250 lbs	(1115)	22.05"	(565)	6.30"	(160)	.49"	(12.5)	Black	25

Installation tools - MK9, MK9HT, MK9P.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Standard Cable Ties
T18R and T30R Series - Colors

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

File# E64139   File# E64139

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
			lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
T18R												
116-01811	**T18R1C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Brown	100
111-01849	**T18R1M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
111-01880	**T18R2C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Red	100
111-01882	**T18R2M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
116-01813	**T18R3C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Orange	100
111-01877	**T18R3M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
111-01896	**T18R4C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Yellow	100
111-01898	**T18R4M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
111-01853	**T18R5C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Green	100
111-01855	**T18R5M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
111-01842	**T18R6C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Blue	100
111-01845	**T18R6M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
116-01817	**T18R7C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Purple	100
111-01888	**T18R7M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
111-01857	**T18R8C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Gray	100
111-01859	**T18R8M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
116-01819	**T18R10C2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	White	100
111-01892	**T18R10M4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)		1000
T30R												
116-03011	**T30R1C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	Brown	100
111-03038	**T30R1M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000
116-03012	**T30R2C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	Red	100
111-03056	**T30R2M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000
116-03013	**T30R3C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	Orange	100
111-03052	**T30R3M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000
116-03014	**T30R4C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	Yellow	100
111-03065	**T30R4M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000
116-03015	**T30R5C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	Green	100
111-03041	**T30R5M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000
116-03016	**T30R6C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	Blue	100
111-03036	**T30R6M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000
116-03017	**T30R7C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	Purple	100
111-03062	**T30R7M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000
116-03018	**T30R8C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	Gray	100
111-03061	**T30R8M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000
111-03019	**T30R10C2**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)	White	100
116-03064	**T30R10M4**	T30R	30 lbs	(135)	5.9″	(150)	1.38″	(35)	.14″	(3.5)		1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P. MK9 and MK9P tools cannot be used to install T18S cable ties.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Standard Cable Ties
T50R and T50L Series - Colors

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

File# E64139 *File# E64139*

			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
T50R												
116-05011	**T50R1C2**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)	Brown	100
111-04852	**T50R1M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
116-05012	**T50R2C2**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)	Red	100
111-04868	**T50R2M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
116-05013	**T50R3C2**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)	Orange	100
111-04865	**T50R3M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
116-05014	**T50R4C2**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)	Yellow	100
111-04892	**T50R4M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
116-05015	**T50R5C2**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)	Green	100
111-04854	**T50R5M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
116-05016	**T50R6C2**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)	Blue	100
111-04849	**T50R6M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
116-05017	**T50R7C2**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)	Purple	100
111-04877	**T50R7M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
111-04870	**T50R8C2**	T50R	50 lbs	(225)	7.9″	(202)	1.97″	(50)	.18″	(4.6)	Gray	100
111-04872	**T50R8M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
116-05019	**T50R10C2**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)	White	100
111-04879	**T50R10M4**	T50R	50 lbs	(225)	7.9″	(200)	1.97″	(50)	.18″	(4.6)		1000
T50L												
111-05443	**T50L1C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	Brown	100
111-05444	**T50L1M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000
111-05457	**T50L2C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	Red	100
111-05458	**T50L2M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000
111-05451	**T50L3C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	Orange	100
111-05454	**T50L3M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000
111-05467	**T50L4C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	Yellow	100
111-05468	**T50L4M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000
111-05445	**T50L5C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	Green	100
111-00502	**T50L5M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000
111-05431	**T50L6C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	Blue	100
111-05434	**T50L6M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000
111-05464	**T50L7C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	Purple	100
111-00503	**T50L7M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000
111-05461	**T50L8C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	Gray	100
111-05462	**T50L8M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000
111-05466	**T50L10C2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)	White	100
111-05465	**T50L10M4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.18″	(4.6)		1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.
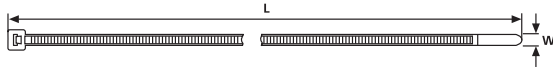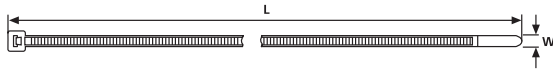
Cable Ties

Standard Cable Ties- Specialty Materials
T18 -T120 Series - Heat Stabilized

HellermannTyton's heat stabilized cable ties provide excellent resistance when exposed to high heat applications.

Material Data		RoHS
Material	**Polyamide 6.6 heat stabilized (PA66HS)**	
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**	
Flammability	**UL94 V2**	

File# E64139   File# E64139

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
			lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
T18S												
111-02815	**T18S0HSM4**	T18S	18 lbs	(80)	3.27"	(83)	.63"	(16)	.09"	(2.3)	Black	1000
T18R												
111-01905	**T18R0HSC2**	T18R	18 lbs	(80)	4"	(100)	.87"	(22)	.10"	(2.5)	Black	100
111-00476	**T18R0HSM4**	T18R	18 lbs	(80)	4"	(100)	.87"	(22)	.10"	(2.5)	Black	1000
T18I												
111-02305	**T18I0HSM4**	T18I	18 lbs	(80)	5.5"	(140)	1.38"	(35)	.10"	(2.5)	Black	1000
T18L												
111-00403	**T18L0HSC2**	T18L	18 lbs	(80)	8.0"	(205)	2.17"	(55)	.10"	(2.5)	Black	100
111-00404	**T18L0HSM4**	T18L	18 lbs	(80)	8.0"	(205)	2.17"	(55)	.10"	(2.5)	Black	1000
T30R												
111-03067	**T30R0HSC2**	T30R	30 lbs	(135)	5.9"	(150)	1.38"	(35)	.14"	(3.5)	Black	100
111-03068	**T30R0HSM4**	T30R	30 lbs	(135)	5.9"	(150)	1.38"	(35)	.14"	(3.5)	Black	1000
T50R												
111-04900	**T50R0HSC2**	T50R	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)	Black	100
111-04901	**T50R0HSM4**	T50R	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)	Black	1000
T50I												
111-05248	**T50I0HSC2**	T50I	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)	Black	100
111-05251	**T50I0HSM4**	T50I	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)	Black	1000
T50L												
111-05470	**T50L0HSC2**	T50L	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)	Black	100
111-05471	**T50L0HSM4**	T50L	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)	Black	1000
T120R												
111-12061	**T120R0HSK2**	T120R	120 lbs	(535)	15.24"	(387)	4.13"	(105)	.30"	(7.6)	Black	50
111-12058	**T120R0HSH4**	T120R	120 lbs	(535)	15.24"	(387)	4.13"	(105)	.30"	(7.6)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P. (MK9, MK9HT, and MK9P tools cannot be used with T18S cable tie)

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Standard Cable Ties- Specialty Materials
T18 -T50 Series - Flame Retardant

HellermannTyton's flame retardant cable ties meet the UL 94V0 flammability requirements.

Material Data	
Material	**Polyamide 6.6 V0 (PA66V0)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V0**

RoHS

File# E64139   File# E64139

Product Selection												
			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
T18R												
111-01834	**T18R9VOC2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	White	100
111-01835	**T18R9VOM4**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	White	1000
111-01833	**T18R0VOC2**	T18R	18 lbs	(80)	4″	(100)	.87″	(22)	.10″	(2.5)	Black	100
T18I												
111-02304	**T18I9VOM4**	T18I	18 lbs	(80)	5.5″	(144)	1.38″	(35)	.10″	(2.5)	White	1000
T18L												
111-02045	**T18L9VOC2**	T18L	18 lbs	(80)	7.95″	(202)	2.17″	(55)	.10″	(2.5)	White	100
111-02046	**T18L9VOM4**	T18L	18 lbs	(80)	7.95″	(202)	2.17″	(55)	.10″	(2.5)	White	1000
111-02044	**T18L0VOC2**	T18L	18 lbs	(80)	7.95″	(202)	2.17″	(55)	.10″	(2.5)	Black	100
T30R												
111-03073	**T30R9VOC2**	T30R	30 lbs	(135)	5.83″	(148)	1.38″	(35)	.14″	(3.6)	White	100
111-03074	**T30R9VOM4**	T30R	30 lbs	(135)	5.83″	(148)	1.38″	(35)	.14″	(3.6)	White	1000
111-03072	**T30R0VOC2**	T30R	30 lbs	(135)	5.83″	(148)	1.38″	(35)	.14″	(3.6)	Black	100
T50R												
111-04909	**T50R9VOC2**	T50R	50 lbs	(225)	7.95″	(202)	1.97″	(50)	.18″	(4.6)	White	100
111-04911	**T50R9VOM4**	T50R	50 lbs	(225)	7.95″	(202)	1.97″	(50)	.18″	(4.6)	White	1000
111-04887	**T50R0VOC2**	T50R	50 lbs	(225)	7.95″	(202)	1.97″	(50)	.18″	(4.6)	Black	100
111-04908	**T50R0VOM4**	T50R	50 lbs	(225)	7.95″	(202)	1.97″	(50)	.18″	(4.6)	Black	1000
T50I												
111-05254	**T50I9VOC2**	T50I	50 lbs	(225)	11.82″	(300)	3.35″	(85)	.18″	(4.6)	White	100
111-05255	**T50I9VOM4**	T50I	50 lbs	(225)	11.82″	(300)	3.35″	(85)	.18″	(4.6)	White	1000
111-05258	**T50I0VOC2**	T50I	50 lbs	(225)	11.82″	(300)	3.35″	(85)	.18″	(4.6)	Black	100
T50L												
111-05438	**T50L9VOC2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.19″	(4.7)	White	100
111-05476	**T50L9VOM4**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.19″	(4.7)	White	1000
111-05475	**T50L0VOC2**	T50L	50 lbs	(225)	15.35″	(390)	4.33″	(110)	.19″	(4.7)	Black	100

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.
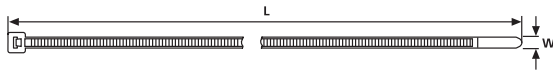
Cable Ties

Standard Cable Ties- Specialty Materials
T18 -T120 Series - Polypropylene

HellermannTyton's polypropylene cable ties offer added resistance to most chemicals.

Material Data	
Material	**Polypropylene (PP)**
Operating Temperature	**-40 °F to +239 °F (-40 °C to +115 °C) continuous**
Flammability	**UL94 HB**

RoHS

Product Selection												
			Min. Tensile Strength		**Length (L)**		**Max. Ø Bundle**		**Width (W)**			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
T18R												
111-01921	**T18R9PPC2**	T18R	11 lbs	(49)	4″	(100)	.75″	(19)	.10″	(2.5)	Natural	100
111-01922	**T18R9PPM4**	T18R	11 lbs	(49)	4″	(100)	.75″	(19)	.10″	(2.5)	Natural	1000
111-01917	**T18R0PPC2**	T18R	11 lbs	(49)	4″	(100)	.75″	(19)	.10″	(2.5)	Black	100
111-01918	**T18R0PPM4**	T18R	11 lbs	(49)	4″	(100)	.75″	(19)	.10″	(2.5)	Black	1000
T30R												
111-03017	**T30R9PPC2**	T30R	20 lbs	(89)	5.83″	(148)	1.26″	(32)	.14″	(3.6)	Natural	100
T50R												
111-04931	**T50R9PPC2**	T50R	30 lbs	(133)	8.0″	(203.8)	1.75″	(44.5)	.19″	(4.7)	Natural	100
111-04928	**T50R0PPC2**	T50R	30 lbs	(133)	8.0″	(203.8)	1.75″	(44.5)	.19″	(4.7)	Black	100
111-04929	**T50R0PPM4**	T50R	30 lbs	(133)	8.0″	(203.8)	1.75″	(44.5)	.19″	(4.7)	Black	1000
T50I												
111-05262	**T50I9PPM4**	T50I	30 lbs	(133)	11.8″	(300)	3.35″	(85)	.18″	(4.6)	Natural	1000
T50L												
111-05483	**T50L9PPM4**	T50L	30 lbs	(133)	15.35″	(390)	4.33″	(110)	.18″	(4.7)	Natural	1000
111-05482	**T50L0PPC2**	T50L	30 lbs	(133)	15.35″	(390)	4.33″	(110)	.18″	(4.7)	Black	100
T120R												
111-12067	**T120R0PPK2**	T120R	60 lbs	(267)	15.35″	(390)	4.13″	(105)	.30″	(7.6)	Black	50
111-12066	**T120R0PPH4**	T120R	60 lbs	(267)	15.35″	(390)	4.13″	(105)	.30″	(7.6)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties for Plenum Applications

HellermannTyton halar and U.L. Listed cable ties meet NEC regulations and can be used in applications where low smoke and low flame are a concern in air handling spaces.

Halar Cable Ties

The raw material used to manufacture HellermannTyton halar cable ties is UL 94V0 rated. The halar ties come in a distinct color of red for easy identification.
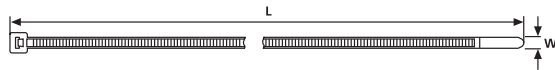
Material Data	
Material	**PA66HL**
Operating Temperature	**-104 °F to +300 °F (-76 °C to +150 °C) continuous**
Flammability	**UL94 V0**

RoHS

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
111-01900	**T18R2HALC2**	T18R	14 lbs	(80)	4"	(100)	.87"	(22)	.10"	(2.45)	Red	100
111-01902	**T18R2HALM4**	T18R	14 lbs	(80)	4"	(100)	.87"	(22)	.10"	(2.45)	Red	1000
111-04895	**T50R2HALC2**	T50R	40 lbs	(177.9)	8.0"	(203.2)	1.75"	(44.45)	.176"	(4.5)	Red	100
111-04897	**T50R2HALM4**	T50R	40 lbs	(177.9)	8.0"	(203.2)	1.75"	(44.45)	.176"	(4.5)	Red	1000
111-12056	**T120R2HALK2**	T120R	80 lbs	(355.9)	15.5"	(394.4)	4.0"	(101.6)	.31"	(7.8)	Red	50
111-12055	**T120R2HALH4**	T120R	80 lbs	(355.9)	15.5"	(394.4)	4.0"	(101.6)	.31"	(7.8)	Red	500

Note: Halar ties are also available in natural color. Contact HellermannTyton for availability. Halar is a registered trademark of Solvay S.A.

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

UL Rated Cable Ties

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

File# E64139   File# E64139

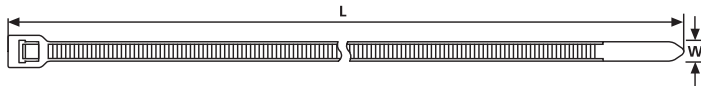| Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
111-00508	**T18R9C2UL**	T18R	18 lbs	(80)	4"	(100)	.86"	(22)	.10"	(2.5)	Natural	100
111-00509	**T18R9M4UL**	T18R	18 lbs	(80)	4"	(100)	.86"	(22)	.10"	(2.5)	Natural	1000
111-00510	**T18R2C2UL**	T18R	18 lbs	(80)	4"	(100)	.86"	(22)	.10"	(2.5)	Red	100
111-00511	**T18R2M4UL**	T18R	18 lbs	(80)	4"	(100)	.86"	(22)	.10"	(2.5)	Red	1000
111-00512	**T50R9C2UL**	T50R	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)	Natural	100
111-00513	**T50R9M4UL**	T50R	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)	Natural	1000
111-00514	**T50R2C2UL**	T50R	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)	Red	100
111-00515	**T50R2M4UL**	T50R	50 lbs	(225)	7.9"	(200)	1.97"	(50)	.18"	(4.6)	Red	1000
111-00516	**T50I9C2UL**	T50I	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)	Natural	100
111-00517	**T50I9M4UL**	T50I	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)	Natural	1000
111-00518	**T50I2C2UL**	T50I	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)	Red	100
111-00519	**T50I2M4UL**	T50I	50 lbs	(225)	11.8"	(300)	3.35"	(85)	.18"	(4.6)	Red	1000
111-00520	**T50L9C2UL**	T50L	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)	Natural	100
111-00521	**T50L9M4UL**	T50L	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)	Natural	1000
111-00522	**T50L2C2UL**	T50L	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)	Red	100
111-00523	**T50L2M4UL**	T50L	50 lbs	(225)	15.35"	(390)	4.33"	(110)	.18"	(4.6)	Red	1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Tefzel® Cable Ties

Tefzel ties provide excellent protection against radiation, ultraviolet light, and a wide range of chemicals. They are also rated for low outgassing applications. HellermannTyton's Tefzel ties come in a standard color of blue for easy identification.
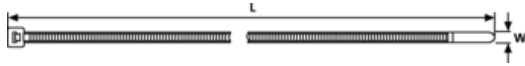
Material Data	
Material	**Ethylenterafluorineethylene - Tefzel (E/TFE)**
Operating Temperature	**-112 °F to +302 °F (-80 °C to +150 °C) continuous**
Flammability	**UL94 V0**

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
			lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
111-01923	**T18R6TZC2**	T18R(U)	9.0 lbs	(40)	4"	(100)	.87"	(22)	.10"	(2.5)	Blue	100
111-01924	**T18R6TZM4**	T18R(U)	9.0 lbs	(40)	4"	(100)	.87"	(22)	.10"	(2.5)	Blue	1000
111-05026	**T50R6TZC2**	T50R(U)	35.5 lbs	(158)	8"	(200)	1.75"	(50)	.18"	(4.6)	Blue	100
111-04933	**T50R6TZM4**	T50R(U)	35.5 lbs	(158)	8"	(200)	1.75"	(50)	.18"	(4.6)	Blue	1000
111-12026	**T120R6TZK2**	T120R	70 lbs	(311)	15"	(380)	4.0"	(100)	.30"	(7.6)	Blue	50

Tefzel is a registered trademark of E.I. DuPont Corporation. Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Outside Serrated Cable Ties

The outside serrated cable ties are for specific applications where thin walled or soft insulation is used (such as in aircraft, trains, etc.) and for applications that are very sensitive to the amount of force applied to the cable.

Material Data	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 V2**

Outside serrated cable ties are also available in natural.
Contact HellermannTyton for more information.
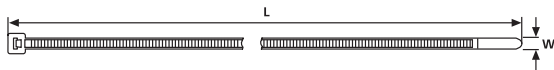
Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
			lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
118-04700	**118-04700**	T18ROS	18 lbs	(80)	3.94"	(100)	.79"	(20)	.10"	(2.5)	Black	100
118-04800	**118-04800**	T30ROS	30 lbs	(135)	5.71"	(145)	1.34"	(35)	.13"	(3.4)	Black	100
118-04900	**118-04900**	T30LOS	30 lbs	(135)	7.87"	(200)	2.0"	(50)	.13"	(3.4)	Black	100
118-05850	**118-05850**	T50SOS	50 lbs	(225)	5.9"	(150)	1.38"	(35)	.18"	(4.6)	Black	100
118-05050	**118-05050**	T50ROS	50 lbs	(225)	8"	(200)	1.95"	(50)	.18"	(4.6)	Black	100
118-05900	**118-05900**	T50LOS	50 lbs	(225)	15"	(384)	4.29"	(110)	.18"	(4.6)	Black	100

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P. Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Releasable Ties

The extended pawl allows for simple and quick release of the ties. Perfect for prototype construction and service requiring the addition of wires on existing harnesses.

| Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

RT40R

RT50S and RT50LL

c(UL)us
File# E64139

Product Selection												
			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			Pkg. Qty.
Article No.	**Part No.**	**Type**	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	
RT40R												
115-06219	**RT40R9C2**	RT40R	34 lbs	(150)	8.46″	(215)	2.0″	(51)	.16″	(4.0)	Natural	100
115-06204	**RT40R9M4**	RT40R	34 lbs	(150)	8.46″	(215)	2.0″	(51)	.16″	(4.0)	Natural	1000
115-06200	**RT40R0C2**	RT40R	34 lbs	(150)	8.46″	(215)	2.0″	(51)	.16″	(4.0)	Black	100
115-06202	**RT40R0M4**	RT40R	34 lbs	(150)	8.46″	(215)	2.0″	(51)	.16″	(4.0)	Black	1000
RT50S												
115-06319	**RT50S9C2**	RT50S	50 lbs	(225)	6.5″	(165)	1.38″	(35)	.18″	(4.6)	Natural	100
115-06304	**RT50S9M4**	RT50S	50 lbs	(225)	6.5″	(165)	1.38″	(35)	.18″	(4.6)	Natural	1000
115-06300	**RT50S0C2**	RT50S	50 lbs	(225)	6.5″	(165)	1.38″	(35)	.18″	(4.6)	Black	100
115-00035	**RT50S0M4**	RT50S	50 lbs	(225)	6.5″	(165)	1.38″	(35)	.18″	(4.6)	Black	1000
RT50LL												
115-06102	**RT50LL9C2**	RT50LL	50 lbs	(225)	15″	(380)	3.98″	(101)	.18″	(4.6)	Natural	100
115-06104	**RT50LL9M4**	RT50LL	50 lbs	(225)	15″	(380)	3.98″	(101)	.18″	(4.6)	Natural	1000
115-00039	**RT50LL0C2**	RT50LL	50 lbs	(225)	15″	(380)	3.98″	(101)	.18″	(4.6)	Black	100
115-06101	**RT50LL0M4**	RT50LL	50 lbs	(225)	15″	(380)	3.98″	(101)	.18″	(4.6)	Black	1000

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

REL Releasable Ties

Ideal for use in applications where there is the need to repeatedly open and close the tie.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS
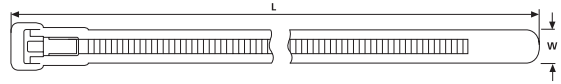
Product Selection											
			Min. Tensile Strength		**Length (L)**		**Max. Ø Bundle**		**Width (W)**		
Article No.	**Part No.**	**Type**	**lbs.**	**(N)**	**in.**	**(mm)**	**in.**	**(mm)**	**in.**	**(mm)**	**Color**	**Pkg. Qty.**
REL50R											
115-00503	**REL50R9C2**	REL50R	50 lbs	(225)	5.5"	(140)	1.38"	(35)	.29"	(7.4)	Natural	100
115-00505	**REL50R9L4**	REL50R	50 lbs	(225)	5.5"	(140)	1.38"	(35)	.29"	(7.4)		200
115-00500	**REL50R0C2**	REL50R	50 lbs	(225)	5.5"	(140)	1.38"	(35)	.29"	(7.4)	Black	100
115-00502	**REL50R0L4**	REL50R	50 lbs	(225)	5.5"	(140)	1.38"	(35)	.29"	(7.4)		200
REL50L											
115-00605	**REL50L9C2**	REL50L	50 lbs	(225)	9.84"	(250)	2.76"	(70)	.29"	(7.4)	Natural	100
115-00607	**REL50L9L4**	REL50L	50 lbs	(225)	9.84"	(250)	2.76"	(70)	.29"	(7.4)		200
115-00600	**REL50L0C2**	REL50L	50 lbs	(225)	9.84"	(250)	2.76"	(70)	.29"	(7.4)	Black	100
115-00602	**REL50L0L4**	REL50L	50 lbs	(225)	9.84"	(250)	2.76"	(70)	.29"	(7.4)		200

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Pinch Releasable Ties

Patented pinch release mechanism for easy handling allows tie to be released using one hand.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS
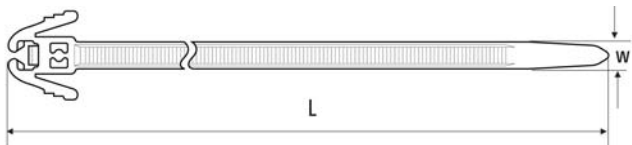
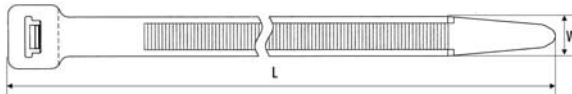| Product Selection											
			Min. Tensile Strength		**Length (L)**		**Max. Ø Bundle**		**Width (W)**		
Article No.	**Part No.**	**Type**	**lbs.**	**(N)**	**in.**	**(mm)**	**in.**	**(mm)**	**in.**	**(mm)**	**Color**	**Pkg. Qty.**
115-40200	**REZ200.NB3P**	REZ200	30 lbs	(135)	7.88"	(200)	1.97"	(50)	.19"	(4.7)	Black	100
115-40300	**REZ300.NB3P**	REZ300	30 lbs	(135)	12.00"	(305)	3.15"	(80)	.19"	(4.7)	Black	100

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Heavy Duty Releasable Cable Ties

The RT150 and RT250 heavy duty releasable cable ties feature an extended pawl which allows for simple and quick release of the ties.

RT150 Heavy Duty Releasable Cable Ties

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating	**-40 °F to +185 °F**
Temperature	**(-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

Product Selection											
			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
115-00036	**RT150REP0X2**	RT150REP	175 lbs	(780)	15.35″	(390)	4″	(105)	.346″	(8.8)	Black	25
115-00037	**RT150MEP0X2**	RT150MEP	175 lbs	(780)	21.06″	(535)	5.90″	(150)	.346″	(8.8)	Black	25
115-00038	**RT150LEP0X2**	RT150LEP	175 lbs	(780)	32.28″	(820)	9.65″	(245)	.346″	(8.8)	Black	25

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.
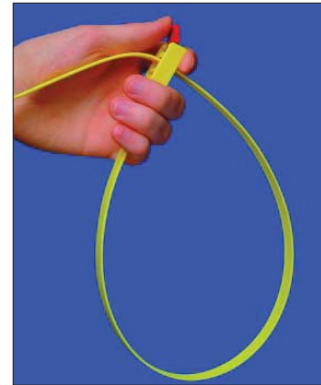
RT250 Heavy Duty Releasable Cable Ties

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating	**-40 °F to +185 °F**
Temperature	**(-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

File# E64139

Product Selection												
			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
RT250S												
131-75819	**RT250S9X2**	RT250S	250 lbs	(1115)	9.05″	(230)	2.17″	(55)	.49″	(12.5)	Natural	25
115-41800	**RT250S0X2**	RT250S	250 lbs	(1115)	9.05″	(230)	2.17″	(55)	.49″	(12.5)	Black	25
RT250R												
131-75019	**RT250R9X2**	RT250R	250 lbs	(1115)	20.47″	(520)	5.71″	(145)	.49″	(12.5)	Natural	25
115-41300	**RT250R0X2**	RT250R	250 lbs	(1115)	20.47″	(520)	5.71″	(145)	.49″	(12.5)	Black	25
RT250M												
131-75619	**RT250M9X2**	RT250M	250 lbs	(1115)	22.24″	(565)	5.90″	(150)	.49″	(12.5)	Natural	25
131-75610	**RT250M0X2**	RT250M	250 lbs	(1115)	22.24″	(565)	5.90″	(150)	.49″	(12.5)	Black	25
RT250I												
131-75219	**RT250I9X2**	RT250I	250 lbs	(1115)	28.54″	(725)	8.00″	(203)	.49″	(12.5)	Natural	25
115-41401	**RT250I0X2**	RT250I	250 lbs	(1115)	28.54″	(725)	8.00″	(203)	.49″	(12.5)	Black	25
RT250L												
131-75419	**RT250L9X2**	RT250L	250 lbs	(1115)	34.65″	(880)	10.00″	(254)	.49″	(12.5)	Natural	25
115-41500	**RT250L0X2**	RT250L	250 lbs	(1115)	34.65″	(880)	10.00″	(254)	.49″	(12.5)	Black	25
RT250XL												
131-75519	**RT250XL9X2**	RT250XL	250 lbs	(1115)	40″	(1016.0)	12″	(304.8)	.49″	(12.5)	Natural	25
131-75510	**RT250XL0X2**	RT250XL	250 lbs	(1115)	40″	(1016.0)	12″	(304.8)	.49″	(12.5)	Black	25

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Heavy Duty Releasable Cable Ties
RT255 Heavy Duty Releasable Ties

Material Data		
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**	
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**	
Flammability	**UL94 HB**	

RoHS
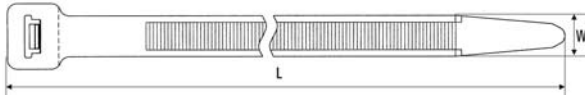
Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
115-01200	**RT255S0HIRX2**	RT255S	250 lbs	(1112)	8.86"	(225)	2.16"	(55)	.49"	(12.5)	Black	25
115-01300	**RT255R0HIRX2**	RT255R	250 lbs	(1112)	20.28"	(515)	5.71"	(145)	.49"	(12.5)	Black	25
115-01400	**RT255M0HIRX2**	RT255M	250 lbs	(1112)	22.05"	(560)	6.30"	(160)	.49"	(12.5)	Black	25

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.
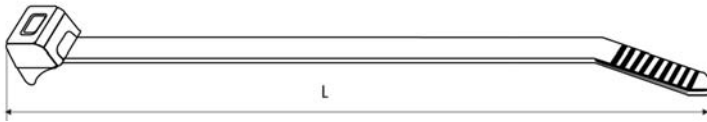
SR255 Heavy Duty Sub-Releasable Ties

The SR255 series releasable heavy duty cable tie offers a release that is lower than the head of the cable tie, facilitating easy installation with the use of a HellermannTyton cable tie tool.

Material Data		
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**	
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**	
Flammability	**UL94 HB**	

RoHS

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
115-42002	**SR255S0HIHSUVX2**	SR255S	250 lbs	(1112)	8.86"	(225)	2.16"	(50)	.49"	(12.5)	Black	25
115-42101	**SR255X0HIHSUVX2**	SR255X	250 lbs	(1112)	14"	(372)	3.94"	(100)	.49"	(12.5)	Black	25

Installation tools - MK9, MK9HT, MK9P. Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Speedy Tie

An entirely new design in cable management, the SpeedyTie is a fully re-usable, easily releasable lashing tie. The SpeedyTie's unique design allows it to be released with one hand.

- Just one click to tie and untie
- Fully re-usable
- Once applied, the tail can be neatly tucked away for added safety
- Highly visible yellow color — also available in black, high impact modified material
- Versatile design allows use for multiple applications

The SpeedyTie is a versatile tool for countless applications:
- Electrical Contractors
- Heating & Ventilation Contractors
- Residential Construction
- General and Heavy Industry
- Packaging
- Tubing and Pipe Bundling
- An "Extra Hand" for Overhead Installations
- In Plant Transfer of Products

SpeedyTie - Quick and easy.

Speedy Tie is particularly suited for temporary but safe bundling or fixing.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Color	**Yellow , Red**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

Packaging Configurations

Distributor Packs
- Printed bag with a hang hole
- Display box
- 60 SpeedyTies - 12 bags of 5

OEM Packs
- Plain bag (no hang hole)
- Standard box
- 300 SpeedyTies - 12 bags of 25

Distributor Pack - point of purchase display for the SpeedyTie.
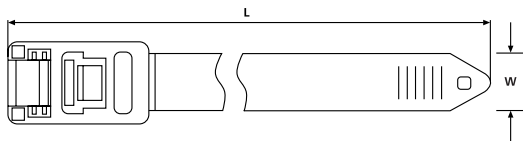
Product Selection				Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Pkg. Qty.	Carton Qty.
Article No.	Part No.	Type	Description	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
115-00001	**RTT750HR.NX900**	RTT750HR	Distributor Pack - order in carton qty. only	200 lbs	(888)	29.52"	(750)	8.27"	(210)	.51"	(13)	5	60
115-00000	**RTT750HR.NX1P**	RTT750HR	OEM Pack - order in carton qty. only	200 lbs	(888)	29.52"	(750)	8.27"	(210)	.51"	(13)	25	300

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Clamp Ties

The clamp tie has triangular shaped tabs extending beneath the head, allowing for optimal surface contact and complete circumferential compression to 360 degrees. The clamps are recommended for soft rubber hose applications including fuel, water, and air vacuum lines.

Material Data		RoHS
Color	**Natural**	
Material	**Polyamide 6.6 (PA66)**	
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**	
Flammability	**UL94 V2**	

Material Data		RoHS
Color	**Black**	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**	
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**	
Flammability	**UL94 V2**	

File# E64139

| Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
CTT20R												
112-51919	**CTT20R9C2**	CTT20R	20 lbs	(90)	4″	(100)	.50″	(13)	.10″	(2.5)	Natural	100
112-51904	**CTT20R9M4**	CTT20R	20 lbs	(90)	4″	(100)	.50″	(13)	.10″	(2.5)		1000
112-51905	**CTT20R0HSC2**	CTT20R	20 lbs	(90)	4″	(100)	.50″	(13)	.10″	(2.5)	Black	100
112-51960	**CTT20R0HSM4**	CTT20R	20 lbs	(90)	4″	(100)	.50″	(13)	.10″	(2.5)		1000
CTT60R												
112-52104	**CTT60R9C2**	CTT60R	60 lbs	(265)	8″	(205)	1.77″	(45)	.19″	(4.7)	Natural	100
112-52106	**CTT60R9M4**	CTT60R	60 lbs	(265)	8″	(205)	1.77″	(45)	.19″	(4.7)		1000
112-52112	**CTT60R0HSC2**	CTT60R	60 lbs	(265)	8″	(205)	1.77″	(45)	.19″	(4.7)	Black	100
112-52114	**CTT60R0HSM4**	CTT60R	60 lbs	(265)	8″	(205)	1.77″	(45)	.19″	(4.7)		1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Double Head Ties

Designed to harness two bundles simultaneously. The second loop may also serve as a positioning device for a single bundle.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

(RoHS)
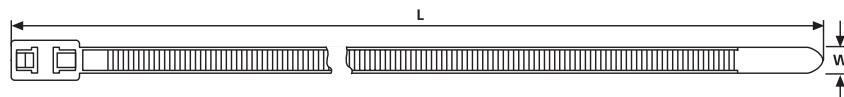
File# E64139

Product Selection									
			Min. Tensile Strength		Length (L)		Width (W)		
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
T50SDH										
117-00016	**117-00016**	T50SDH	50 lbs	(225)	6.26"	(159)	.19"	(4.7)	Natural	100
117-00017	**117-00017**	T50SDH	50 lbs	(225)	6.26"	(159)	.19"	(4.7)	Natural	1000
117-00018	**117-00018**	T50SDH	50 lbs	(225)	6.26"	(159)	.19"	(4.7)	Black	100
117-00019	**117-00019**	T50SDH	50 lbs	(225)	6.26"	(159)	.19"	(4.7)	Black	1000
T50RDH										
117-05006	**T50RDH9C2**	T50RDH	50 lbs	(225)	8.25"	(210)	.19"	(4.7)	Natural	100
117-05008	**T50RDH9M4**	T50RDH	50 lbs	(225)	8.25"	(210)	.19"	(4.7)	Natural	1000
117-05004	**T50RDH0C2**	T50RDH	50 lbs	(225)	8.25"	(210)	.19"	(4.7)	Black	100
117-05005	**T50RDH0M4**	T50RDH	50 lbs	(225)	8.25"	(210)	.19"	(4.7)	Black	1000
T50IDH										
117-05302	**T50IDH9C2**	T50IDH	50 lbs	(225)	12"	(305)	.19"	(4.7)	Natural	100
117-05303	**T50IDH9M4**	T50IDH	50 lbs	(225)	12"	(305)	.19"	(4.7)	Natural	1000
117-05362	**T50IDH0C2**	T50IDH	50 lbs	(225)	12"	(305)	.19"	(4.7)	Black	100
117-05300	**T50IDH0M4**	T50IDH	50 lbs	(225)	12"	(305)	.19"	(4.7)	Black	1000
T50LDH										
117-05402	**T50LDH9C2**	T50LDH	50 lbs	(225)	15.5"	(395)	.19"	(4.7)	Natural	100
117-05461	**T50LDH9M4**	T50LDH	50 lbs	(225)	15.5"	(395)	.19"	(4.7)	Natural	1000
117-05400	**T50LDH0C2**	T50LDH	50 lbs	(225)	15.5"	(395)	.19"	(4.7)	Black	100
117-05401	**T50LDH0M4**	T50LDH	50 lbs	(225)	15.5"	(395)	.19"	(4.7)	Black	1000

Maximum bundle diameter is variable due to double loops. Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Identification Ties

Tie and identify bundles of cable in one operation. Large flat area for imprinting or writing the required information. Hot stamping available, which is subject to minimums and lead times.
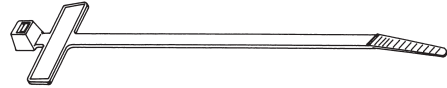
IT18R

IT50RD

IT18FL
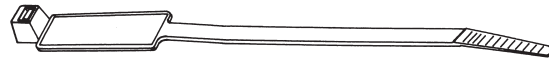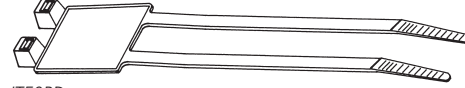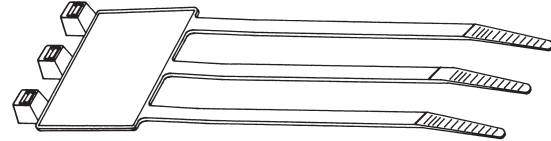
IT50RT

IT50R
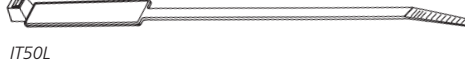
IT50L

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

HellermannTyton offers marking pens for use with the identification ties, see page 179.

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File# E64139

Product Selection

Article No.	Part No.	Type	US Gov. Designation	Min. Tensile Strength lbs.	(N)	Length (L) in.	(mm)	Max. Ø Bundle in.	(mm)	Width (W) in.	(mm)	Color	Pkg. Qty.
IT18R	**Marking Pad Size: .98" x .32" (25 x 8)**												
111-81819	**IT18R9C2**	IT18R	MS3368-5-9E	18 lbs	(80)	3.94"	(100)	.75"	(22.0)	.09"	(2.3)	Natural	100
111-81808	**IT18R9L4**	IT18R	MS3368-5-9E	18 lbs	(80)	3.94"	(100)	.75"	(22.0)	.09"	(2.3)	Natural	200
111-81801	**IT18R0C2**	IT18R	*	18 lbs	(80)	3.94"	(100)	.75"	(22.0)	.09"	(2.3)	Black	100
111-81803	**IT18R0L4**	IT18R	*	18 lbs	(80)	3.94"	(100)	.75"	(22.0)	.09"	(2.3)	Black	200
IT18FL	**Marking Pad Size: .81" x .35" (20.5 x 9)**												
111-81919	**IT18FL9C2**	IT18FL	–	18 lbs	(80)	4.33"	(110)	.75"	(19.0)	.10"	(2.5)	Natural	100
111-81907	**IT18FL9L4**	IT18FL	–	18 lbs	(80)	4.33"	(110)	.75"	(19.0)	.10"	(2.5)	Natural	200
111-81910	**IT18FL0C2**	IT18FL	–	18 lbs	(80)	4.33"	(110)	.75"	(19.0)	.10"	(2.5)	Black	100
111-81903	**IT18FL0L4**	IT18FL	–	18 lbs	(80)	4.33"	(110)	.75"	(19.0)	.10"	(2.5)	Black	200
IT50R	**Marking Pad Size: 1.10" x .51" (28 x 12.9)**												
111-85019	**IT50R9C2**	IT50R	MS3368-1-9A	50 lbs	(225)	7.99"	(203)	1.75"	(44.5)	.18"	(4.6)	Natural	100
111-85020	**IT50R9M4**	IT50R	MS3368-1-9A	50 lbs	(225)	7.99"	(203)	1.75"	(44.5)	.18"	(4.6)	Natural	1000
111-85011	**IT50R0C2**	IT50R	*	50 lbs	(225)	7.99"	(203)	1.75"	(44.5)	.18"	(4.6)	Black	100
111-85013	**IT50R0M4**	IT50R	*	50 lbs	(225)	7.99"	(203)	1.75"	(44.5)	.18"	(4.6)	Black	1000
IT50RD	**Marking Pad Size: 1.14" x 1.04" (46 x 26.3)**												
111-85219	**IT50RD9K2**	IT50RD	MS3368-3-9C	50 lbs	(225)	8.07"	(205)	1.73"	(44.0)	.19"	(4.7)	Natural	50
111-85201	**IT50RD0K2**	IT50RD	*	50 lbs	(225)	8.07"	(205)	1.73"	(44.0)	.19"	(4.7)	Black	50
IT50RT	**Marking Pad Size: 1.18" x 1.04" (46 x 26.3)**												
111-85119	**IT50RT9K2**	IT50RT	MS3368-4-9D	50 lbs	(225)	8.07"	(205)	1.73"	(44.0)	.19"	(4.7)	Natural	50
111-85100	**IT50RT0K2**	IT50RT	*	50 lbs	(225)	8.07"	(205)	1.73"	(44.0)	.19"	(4.7)	Black	50
IT50L	**Marking Pad Size: .5" x 2.20" (12.8 x 56)**												
111-85319	**IT50L9C2**	IT50L	MS3368-2-9A	50 lbs	(225)	15.35"	(390)	3.94"	(100)	.19"	(4.7)	Natural	100
111-85306	**IT50L9M4**	IT50L	MS3368-2-9A	50 lbs	(225)	15.35"	(390)	3.94"	(100)	.19"	(4.7)	Natural	1000

Installation tools - MK7, MK7P, MK7HT, MK9.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes. * Military black available. Contact HellermannTyton for more information.

Screw Mount Ties

One-piece, all plastic ties for quick, simple cable mounting.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS
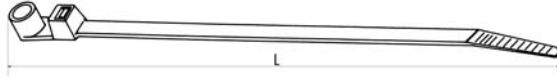
File# E64139

Product Selection

Article No.	Part No.	Type	Mounting	Min. Tensile Strength lbs.	(N)	Length (L) in.	(mm)	Max. Ø Bundle in.	(mm)	Width (W) in.	(mm)	Color	Pkg. Qty.
T18MR													
113-00026	**T18MR9C2**	T18MR		18 lbs	(80)	4.33"	(110)	.79"	(20)	.10"	(2.5)	Natural	100
113-00028	**T18MR9M4**	T18MR	# 4 screw	18 lbs	(80)	4.33"	(110)	.79"	(20)	.10"	(2.5)	Natural	1000
113-00022	**T18MR0C2**	T18MR		18 lbs	(80)	4.33"	(110)	.79"	(20)	.10"	(2.5)	Black	100
113-00024	**T18MR0M4**	T18MR		18 lbs	(80)	4.33"	(110)	.79"	(20)	.10"	(2.5)	Black	1000
T30MR													
113-03019	**T30MR9C2**	T30MR		30 lbs	(135)	6.30"	(160)	1.26"	(32)	.14"	(3.5)	Natural	100
113-00036	**T30MR9M4**	T30MR	# 8 screw	30 lbs	(135)	6.30"	(160)	1.26"	(32)	.14"	(3.5)	Natural	1000
113-03010	**T30MR0C2**	T30MR		30 lbs	(135)	6.30"	(160)	1.26"	(32)	.14"	(3.5)	Black	100
113-03011	**T30MR0M4**	T30MR		30 lbs	(135)	6.30"	(160)	1.26"	(32)	.14"	(3.5)	Black	1000
T50MR													
113-05004	**T50MR9C2**	T50MR		48 lbs	(215)	8.46"	(215)	1.77"	(45)	.18"	(4.6)	Natural	100
113-05007	**T50MR9M4**	T50MR	# 10 screw	48 lbs	(215)	8.46"	(215)	1.77"	(45)	.18"	(4.6)	Natural	1000
113-05000	**T50MR0C2**	T50MR		48 lbs	(215)	8.46"	(215)	1.77"	(45)	.18"	(4.6)	Black	100
113-05002	**T50MR0M4**	T50MR		48 lbs	(215)	8.46"	(215)	1.77"	(45)	.18"	(4.6)	Black	1000
T50MRT													
113-05101	**T50MRT9C2**	T50MRT		50 lbs	(225)	8.47"	(215)	1.77"	(45)	.19"	(4.7)	Natural	100
113-05102	**T50MRT9M4**	T50MRT	#6-32 tap thru screw	50 lbs	(225)	8.47"	(215)	1.77"	(45)	.19"	(4.7)	Natural	1000
113-05100	**T50MRT0C2**	T50MRT		50 lbs	(225)	8.47"	(215)	1.77"	(45)	.19"	(4.7)	Black	100
113-00037	**T50MRT0M4**	T50MRT		50 lbs	(225)	8.47"	(215)	1.77"	(45)	.19"	(4.7)	Black	1000
T50MI													
113-00032	**T50MI9C2**	T50MI		50 lbs	(225)	12.40"	(315)	3.35"	(85)	.19"	(4.7)	Natural	100
113-00033	**T50MI9M4**	T50MI	# 10 screw	50 lbs	(225)	12.40"	(315)	3.35"	(85)	.19"	(4.7)	Natural	1000
113-00038	**T50MI0C2**	T50MI		50 lbs	(225)	12.40"	(315)	3.35"	(85)	.19"	(4.7)	Black	100
113-00031	**T50MI0M4**	T50MI		50 lbs	(225)	12.40"	(315)	3.35"	(85)	.19"	(4.7)	Black	1000
T50ML													
113-05419	**T50ML9C2**	T50ML		50 lbs	(225)	15.35"	(390)	4.00"	(100)	.18"	(4.6)	Natural	100
113-05403	**T50ML9M4**	T50ML	# 10 screw	50 lbs	(225)	15.35"	(390)	4.00"	(100)	.18"	(4.6)	Natural	1000
113-00007	**T50ML0C2**	T50ML		50 lbs	(225)	15.35"	(390)	4.00"	(100)	.18"	(4.6)	Black	100
113-00035	**T50ML0M4**	T50ML		50 lbs	(225)	15.35"	(390)	4.00"	(100)	.18"	(4.6)	Black	1000
T120MR													
113-12029	**T120MR9K2**	T120MR		120 lbs	(535)	15.55"	(395)	4.02"	(102)	.30"	(7.6)	Natural	50
113-00018	**T120MR9H4**	T120MR	#1/4" screw	120 lbs	(535)	15.55"	(395)	4.02"	(102)	.30"	(7.6)	Natural	500
113-12020	**T120MR0K2**	T120MR		120 lbs	(535)	15.55"	(395)	4.02"	(102)	.30"	(7.6)	Black	50
113-00011	**T120MR0H4**	T120MR		120 lbs	(535)	15.55"	(395)	4.02"	(102)	.30"	(7.6)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Fir Tree Mount and Cable Tie Assemblies

HellermannTyton's fir tree mounts provide a secure grip in a mounting hole and protect against dirt and other impurities. The mount can slide along the strap of the tie for proper orientation. The fir tree mounts are designed to provide a low insertion force and high extraction force. These mounts are sold as an assembly with the cable tie.
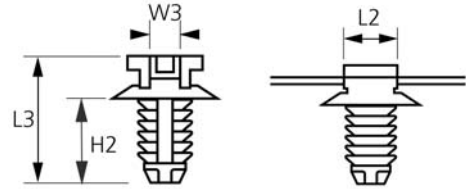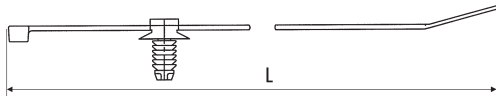
Material Data - All Cable Ties/ FT7, FT8 and FT10 Mounts		(RoHS)
Material	**Polyamide 6.6 heat stabilized (PA66HS)**	
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C)**	
Color	**Black**	
Flammability	**UL94 V2**	

Material Data - FT5, FT6 and FT6LG Mounts		(RoHS)
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**	
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C)**	
Color	**Black**	
Flammability	**UL94 HB**	

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength lbs. (N)	Max. Ø Bundle in. (mm)	Cable Tie Length (L) in. (mm)	Cable Tie Width (W) in. (mm)	Disc Ø in. (mm)	Length (L2) in. (mm)	Length (L3) in. (mm)	Width (W3) in. (mm)	Height (H2) in. (mm)	Pkg. Qty.
FT5 - Mounting Hole Ø: .177" - .197" (4.5-5.0mm) - Panel Thickness: .028" - .193" (0.7 - 3.0mm)												
150-55850	**150-55850**	T30RFT5	30 lbs (135)	1.38" (35)	5.8" (148)	.14" (3.6)	.63" (16.0)	.46" (11.6)	.52" (13.2)	.20" (5)	.27" (6.9)	500
156-00025	**156-00025**	T50RFT5	50 lbs (225)	1.75" (44.5)	8" (203.2)	.18" (4.6)	.63" (16.0)	.46" (11.6)	.52" (13.2)	.20" (5)	.27" (6.9)	500
FT6 - Mounting Hole Ø: .252" - .28" (6.4-7.1mm) - Panel Thickness: .028" - .193" (0.75 - 3.0mm)												
150-77940	**150-77940**	T30RFT6	30 lbs (135)	1.38" (35)	5.8" (148)	.14" (3.6)	.63" (16.0)	.46" (11.6)	.54" (13.8)	.20" (5)	.295" (7.5)	500
156-00156	**156-00156**	T50SFT6	50 lbs (225)	1.38" (35)	6.3" (160)	.18" (4.6)	.63" (16.0)	.46" (11.6)	.54" (13.8)	.20" (5)	.295" (7.5)	500
156-00157	**156-00157**	T50RFT6	50 lbs (225)	1.75" (44.5)	8" (203.2)	.18" (4.6)	.63" (16.0)	.46" (11.6)	.54" (13.8)	.20" (5)	.295" (7.5)	500
156-00066	**156-00066**	T50LFT6	50 lbs (225)	4" (101.6)	15" (380)	.18" (4.7)	.63" (16)	.46" (11.6)	.54" (13.8)	.20" (5)	.295" (7.5)	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P. Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Fir Tree Mount and Cable Tie Assemblies *continued*

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength lbs. (N)	Max. Ø Bundle in. (mm)	Cable Tie		Mount					Pkg. Qty.
					Length (L) in. (mm)	Width (W) in. (mm)	Disc Ø in. (mm)	Length (L2) in. (mm)	Length (L3) in. (mm)	Width (W3) in. (mm)	Height (H2) in. (mm)	
FT6LG - Mounting Hole Ø: .256" - .276" (6.4-7.1mm) - Panel Thickness: .03" - .24" (0.75 - 6.0mm)												
150-31090	**150-31090**	T30RFT6LG	30 lbs (135)	1.38" (35)	5.8" (148)	.14" (3.6)	.63" (16)	.46" (11.6)	.69" (17.5)	.19" (5)	.44" (11.1)	500
150-31093	**150-31093**	T50SFT6LG	50 lbs (225)	1.38" (35)	6.3" (160)	.18" (4.6)	.63" (16)	.46" (11.6)	.69" (17.5)	.19" (5)	.44" (11.1)	500
150-31091	**150-31091**	T50RFT6LG	50 lbs (225)	1.75" (44)	8" (203.2)	.18" (4.6)	.63" (16)	.46" (11.6)	.69" (17.5)	.19" (5)	.44" (11.1)	500
156-00054	**156-00054**	T50IFT6LG	50 lbs (225)	3.35" (85)	11.8" (300)	.18" (4.6)	.63" (16)	.46" (11.6)	.69" (17.5)	.19" (5)	.44" (11.1)	500
FT7 - Mounting Hole Ø: .256" - .276" (6.5-7.0mm) - Panel Thickness: .031" - .276" (0.8 - 7.0mm)												
156-00057	**156-00057**	T30RFT7	30 lbs (135)	1.38" (35)	5.8" (148)	.14" (3.6)	.63" (16)	.46" (11.6)	.75" (19)	.20" (5)	.5" (12.7)	500
156-00056	**156-00056**	T50SFT7	50 lbs (225)	1.38" (35)	6.3" (160)	.18" (4.6)	.63" (16)	.46" (11.6)	.75" (19)	.20" (5)	.5" (12.7)	500
111-85871	**111-85871**	T50RFT7	50 lbs (225)	1.75" (44)	8" (203.2)	.18" (4.6)	.63" (16)	.46" (11.6)	.75" (19)	.20" (5)	.5" (12.7)	500
111-05350	**111-05350**	T50IFT7	50 lbs (225)	3.35" (85)	11.8" (300)	.18" (4.6)	.63" (16)	.46" (11.6)	.75" (19)	.20" (5)	.5" (12.7)	500
156-00055	**156-00055**	T50LFT7	50 lbs (225)	4.33" (110)	15" (380)	.18" (4.7)	.63" (16)	.46" (11.6)	.75" (19)	.20" (5)	.5" (12.7)	500
FT8 - Mounting Hole Ø: .3" - .31" (7.7-8.0mm) - Panel Thickness: .03" - .31" (0.8 - 8.0mm)												
156-00058	**156-00058**	T30RFT8	30 lbs (135)	1.38" (35)	5.8" (148)	.14" (3.6)	.63" (16)	.47" (12.0)	.7" (17.8)	.35" (9)	.45" (11.5)	500
156-00158	**156-00158**	T50RFT8	50 lbs (225)	1.75" (44)	8" (203.2)	.18" (4.6)	.63" (16)	.47" (12.0)	.7" (17.8)	.35" (9)	.45" (11.5)	500
156-00060	**156-00060**	T50IFT8	50 lbs (225)	3.35" (81)	11.8" (300)	.18" (4.6)	.63" (16)	.47" (12.0)	.7" (17.8)	.35" (9)	.45" (11.5)	500
156-00061	**156-00061**	T50LFT8	50 lbs (225)	4.33" (110)	15" (380)	.18" (4.7)	.63" (16)	.47" (12.0)	.7" (17.8)	.35" (9)	.45" (11.5)	500
FT10 - Mounting Hole Ø: .38" - .39" (9.7-10.0mm) - Panel Thickness: .031" - .236" (0.8 - 5.0mm)												
156-00089	**156-00089**	T30RFT10	30 lbs (135)	1.38" (35)	5.8" (148)	.14" (3.6)	.71" (18)	.75" (18.6)	.26" (6.5)	.20" (5)	.48" (12.1)	500
156-00090	**156-00090**	T50SFT10	50 lbs (225)	1.38" (35)	6.3" (160)	.18" (4.6)	.71" (18)	.75" (18.6)	.26" (6.5)	.20" (5)	.48" (12.1)	500
156-00091	**156-00091**	T50RFT10	50 lbs (225)	1.75" (44)	8" (203.2)	.18" (4.6)	.71" (18)	.75" (18.6)	.26" (6.5)	.20" (5)	.48" (12.1)	500
156-00092	**156-00092**	T50IFT10	50 lbs (225)	3.35" (81)	11.8" (300)	.18" (4.6)	.71" (18.0)	.75" (18.6)	.26" (6.5)	.20" (5)	.48" (12.1)	500
156-00093	**156-00093**	T50LFT10	50 lbs (225)	4.33" (110)	15" (380)	.18" (4.7)	.71" (18)	.75" (18.6)	.26" (6.5)	.20" (5)	.48" (12.1)	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes.
Use **Part No.** for ordering and **Type** for specification purposes.

Fir Tree Push Mount Ties

Fir tree design grips to the inside of a hole. They can be used on sheet metal, wood, and cast iron. Type T50RTM25E has a longer fir tree for larger panel thicknesses.

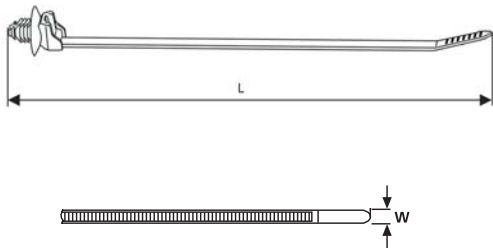| Material Data	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection											
			Min. Tensile Strength		**Mounting Hole Ø**	**Panel Thickness**	**Length (L)**	**Max. Ø Bundle**	**Width (W)**		
Article No.	**Part No.**	**Type**	**lbs.**	**(N)**	**in. (mm)**	**in. (mm)**	**in. (mm)**	**in. (mm)**	**in. (mm)**	**Color**	**Pkg. Qty.**
126-03501	**T50RTM250HSM4**	T50RTM25	50 lbs	(225)	.25" - .26" (6.5 - 6.6)	.052" - .28" (1.32 - 7.0)	8.27" (210)	1.97" (50.0)	.19" (4.7)	Black	1000
157-01400	**T50RTM25E8HSM4**	T50RTM25E	50 lbs	(225)	.25" - .26" (6.5 - 6.6)	.09" - .55" (2.3 - 13.94)	8.43" (214)	1.97" (50.0)	.19" (4.7)	Gray	1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Fir Tree Mount with Disc Tie

This fir tree mount tie provides a low insertion force with a high extraction force. The outside serrations present a smooth surface to the cables preventing damage to the insulation. The unique head design allows the cable tie to firmly hold bundles as small as .06" diameter and the disc offers added water protection.

Material Data	
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**
Flammability	**UL94 HB**

RoHS

Product Selection											
			Min. Tensile Strength		**Mounting Hole Ø**	**Panel Thickness**	**Length (L)**	**Max. Ø Bundle**	**Width (W)**		
Article No.	**Part No.**	**Type**	**lbs.**	**(N)**	**in. (mm)**	**in. (mm)**	**in. (mm)**	**in. (mm)**	**in. (mm)**	**Color**	**Pkg. Qty.**
155-05800	**155-05800**	T50SOSFT6E	50 lbs	(225)	.26" - .28" (6.5-7.0)	.03" - .12" (0.75 - 3.0)	6.30" (160)	1.38" (35)	.18" (4.6)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Domed Fir Tree Mount

The domed head tie provides a tight, rattle-free installation and the outside serrated strap has ribs designed for convoluted tubing. The dome also acts as a seal to keep out dust and liquid.

Material Data	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 V2**

RoHS
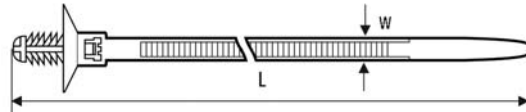
Product Selection										
Article No.	Part No.	Type	Min. Tensile Strength lbs. (N)	Mounting Hole Ø in. (mm)	Panel Thickness in. (mm)	Length (L) in. (mm)	Max. Ø Bundle in. (mm)	Width (W) in. (mm)	Color	Pkg. Qty.
157-01100	**T50SDP6.HB6P**	T50SDP6	45 lbs (200)	.25" - .28" (6.3-7.0)	.03" - .28" (0.8 - 7.0)	6.69" (170)	1.22" (31)	.20" (5.1)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Domed Push Mount Tie

The domed head tie provides a tight, rattle-free installation and the outside serrated strap has ribs designed for convoluted tubing. The dome also acts as a seal to keep out dust and liquid.

Material Data	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 V2**

RoHS
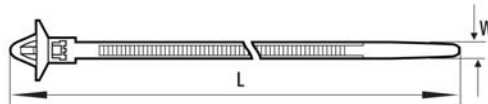
Product Selection										
Article No.	Part No.	Type	Min. Tensile Strength lbs. (N)	Mounting Hole Ø in. (mm)	Panel Thickness in. (mm)	Length (L) in. (mm)	Max. Ø Bundle in. (mm)	Width (W) in. (mm)	Color	Pkg. Qty.
111-85350	**111-85350**	T50SD6	50 lbs (225)	.25" - .30" (6.3-7.5)	.023" - .047" (0.6 - 1.2)	6.30" (160)	1.22" (31)	.20" (5.1)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Push Mount Ties

One-piece, all plastic ties for quick, simple cable mounting.

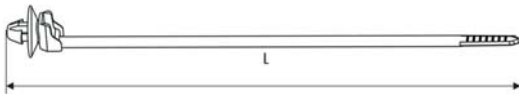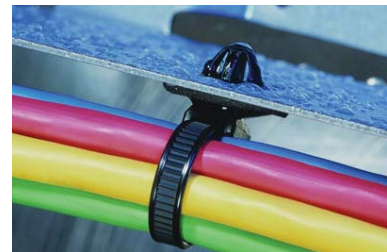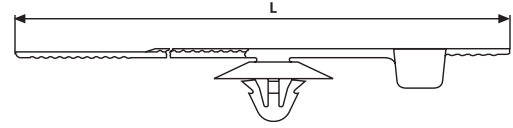| Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

File# E64139

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Mounting Hole Ø	Panel Thickness	Length (L)	Max. Ø Bundle	Width (W)	Color	Pkg. Qty.
			lbs.	(N)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)		
T30RSF											
111-85603	**T30RSF9C2**	T30RSF(U)	30 lbs	(135)	.19" - .22" (4.76-5.59)	.04" - .09" (0.9-2.36)	6.34" (161)	1.25" (31.8)	.14" (3.6)	Natural	100
126-00704	**T30RSF9M4**	T30RSF(U)	30 lbs	(135)	.19" - .22" (4.76-5.59)	.04" - .09" (0.9-2.36)	6.34" (161)	1.25" (31.8)	.14" (3.6)	Natural	1000
126-00700	**T30RSF0C2**	T30RSF(U)	30 lbs	(135)	.19" - .22" (4.76-5.59)	.04" - .09" (0.9-2.36)	6.34" (161)	1.25" (31.8)	.14" (3.6)	Black	100
126-00702	**T30RSF0M4**	T30RSF(U)	30 lbs	(135)	.19" - .22" (4.76-5.59)	.04" - .09" (0.9-2.36)	6.34" (161)	1.25" (31.8)	.14" (3.6)	Black	1000
T50SSF											
126-00043	**126-00043**	T50SSF	50 lbs	(225)	.25" - .28" (6.4-7.1)	.04" - .14" (1.0-3.56)	6.26" (159)	1.38" (35)	.19" (4.7)	Natural	100
126-00044	**126-00044**	T50SSF	50 lbs	(225)	.25" - .28" (6.4-7.1)	.04" - .14" (1.0-3.56)	6.26" (159)	1.38" (35)	.19" (4.7)	Natural	1000
126-00045	**126-00045**	T50SSF	50 lbs	(225)	.25" - .28" (6.4-7.1)	.04" - .14" (1.0-3.56)	6.26" (159)	1.38" (35)	.19" (4.7)	Black	100
126-00046	**126-00046**	T50SSF	50 lbs	(225)	.25" - .28" (6.4-7.1)	.04" - .14" (1.0-3.56)	6.26" (159)	1.38" (35)	.19" (4.7)	Black	1000
T50RSF											
111-85789	**T50RSF9C2**	T50RSF(U)	50 lbs	(225)	.25" - .28" (6.4-7.1)	.04" - .14" (1.0-3.56)	8.27" (210)	1.73" (44)	.19" (4.7)	Natural	100
126-01011	**T50RSF9M4**	T50RSF(U)	50 lbs	(225)	.25" - .28" (6.4-7.1)	.04" - .14" (1.0-3.56)	8.27" (210)	1.73" (44)	.19" (4.7)	Natural	1000
126-01003	**T50RSF0C2**	T50RSF(U)	50 lbs	(225)	.25" - .28" (6.4-7.1)	.04" - .14" (1.0-3.56)	8.27" (210)	1.73" (44)	.19" (4.7)	Black	100
126-01004	**T50RSF0M4**	T50RSF(U)	50 lbs	(225)	.25" - .28" (6.4-7.1)	.04" - .14" (1.0-3.56)	8.27" (210)	1.73" (44)	.19" (4.7)	Black	1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P. Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Wing Push Mount Ties

Wing design helps stabilize the tie in high vibration applications.
They can be used on sheet metal, wood, and cast iron.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

File# E64139

Product Selection

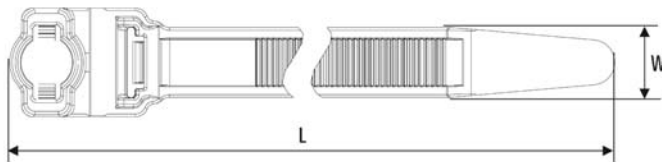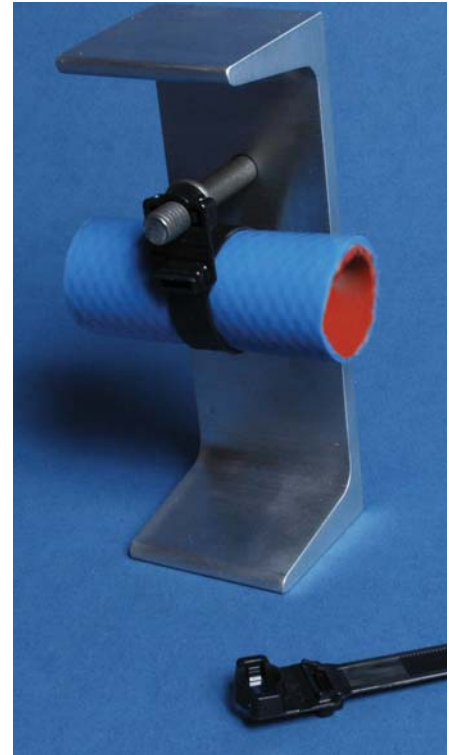| Article No.	Part No.	Type	Min. Tensile Strength lbs. (N)	Mounting Hole Ø in. (mm)	Panel Thickness in. (mm)	Length (L) in. (mm)	Max. Ø Bundle in. (mm)	Width (W) in. (mm)	Disc Ø in. (mm)	Color	Pkg. Qty.
T18RWPM											
126-00041	**126-00041**	T18RWPM	18 lbs (80)	.19" - .22" (4.76-5.59)	.07" - .13" (1.85 - 3.18)	4.45" (113)	.87" (22)	.10" (2.5)	.52" (13.1)	Natural	100
126-00603	**T18RWPM9M4**	T18RWPM	18 lbs (80)	.19" - .22" (4.76-5.59)	.07" - .13" (1.85 - 3.18)	4.45" (113)	.87" (22)	.10" (2.5)	.52" (13.1)		1000
T50SL6											
111-85469	**T50SL6.NN6P**	T50SL6	50 lbs (225)	.24" - .26" (6.1-6.5)	.03" - .10" (0.8 - 2.5)	6.50" (165)	1.34" (34)	.18" (4.6)	.73" (18.5)	Natural	500
T50SL7											
111-85479	**T50SL7.NN6P**	T50SL7	50 lbs (225)	.27" - .28" (6.9-7.1)	.03" - .10" (0.8 - 2.5)	6.50" (165)	1.34" (34)	.18" (4.6)	.73" (18.5)	Natural	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes. * UL recognition applies to T18RWPM ties.

Arrowhead Mount Ties

This tie has an arrowhead design which offers a positive, low insertion force and a high extraction force. Part No. 126-03100 features a foam rubber seal which provides additional protection against moisture, dirt and other impurities.

Material Data	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 V2**

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength lbs. (N)	Mounting Hole Ø in. (mm)	Panel Thickness in. (mm)	Length (L) in. (mm)	Max. Ø Bundle in. (mm)	Width (W) in. (mm)	Color	Pkg. Qty.
126-03100	**126-03100**	T50SOSSFT6.5E-MD	50 lbs (225)	.25" - .26" (6.3-6.7)	.02" - .07" (0.6 - 1.8)	6.30" (160)	1.38" (35)	.18" (4.6)	Green	500
126-03101	**126-03101**	T50SOSSFT6.5E	50 lbs (225)	.25" - .26" (6.3-6.7)	.02" - .07" (0.6 - 1.8)	6.30" (160)	1.38" (35)	.18" (4.6)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Center Mount, Domed Push Mount Ties

The center mount, domed push mount tie centers the mount on all bundle diameters. The mount is molded in a stationary position for easy assembly. A tab extends beyond the head for easy strap insertion.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Mounting Hole Ø	Panel Thickness	Length (L)	Max. Ø Bundle	Width (W)	Color	Pkg. Qty.
			lbs.	(N)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)		
150-35930	**150-35930**	T50RSP	50 lbs	(222)	.24" - .26" (6.0-6.5)	.03" - .05" (0.75 - 1.3)	7.48" (190)	1.77" (45)	.18" (4.6)	Black	1000

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Ladder Style Push Mount Ties

The unique ladder style design eliminates the need for various sizes of clamps and allows for easy re-entry to access bundle. Wings on the side of the tie provide stabilization.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

Product Selection

Article No.	Part No.	Type	Mounting Hole Ø	Panel Thickness	Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
			in. (mm)	in. (mm)	in.	(mm)	in.	(mm)	in.	(mm)		
150-26100	**FBS1000H4**	FBS100	.25" - .26" (6.3-6.7)	.03" - .15" (0.7 - 3.9)	4.53"	(115)	1.06"	(27)	.40"	(10)	Black	500
150-26140	**FBS1400H4**	FBS140	.26" - .25" (6.3-6.7)	.03" - .15" (0.7 - 3.9)	6.30"	(160)	1.65"	(42)	.40"	(10)	Black	500
150-26180	**FBS1850H4**	FBS185	.26" - .25" (6.3-6.7)	.03" - .15" (0.7 - 3.9)	7.87"	(200)	2.09"	(53)	.40"	(10)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Wide Strap Heavy Duty Stud Mount Cable Ties

The wide strap stud mount cable tie minimizes pinching on soft bundles and features a low profile head to provide compact bundling. A thinner strap provides increased flexibility for improved ergonomics. Available with a 1/4" and 3/8" stud mount, the wide strap tie utilizes a strong hinge between the stud mount and head to provide superior holding ability on a threaded stud.

– Wide strap to minimize pinching of soft hoses and convoluted tubing
– Clamping rails to increase grip on round bundles
– Wide variation of bundle diameters: .375" - 4.125" (9.5mm - 104.7mm)
– Flexible strap
– Flexible hinge
– Mount provides low insertion and high extraction forces

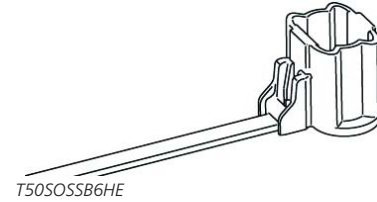| Material Data	
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**
Flammability	**UL94 HB**

RoHS

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
Wide Strap Ties with 1/4" Stud Mount												
157-00400	**157-00400**	WSS250	120 lbs	(534)	9.7"	(246.38)	2.25"	(57.15)	.5"	(12.7)	Black	300
157-00401	**157-00401**	WSI250	120 lbs	(534)	12.7"	(322.58)	3.25"	(82.55)	.5"	(12.7)	Black	300
157-00402	**157-00402**	WSR250	120 lbs	(534)	15.7"	(398.78)	4.125"	(104.78)	.5"	(12.7)	Black	300
Wide Strap Ties with 3/8" Stud Mount												
WSS38												
157-00406	**157-00406**	WSS380	120 lbs	(534)	9.7"	(246.38)	2.25"	(57.15)	.5"	(12.7)	Black	60
157-00403	**157-00403**	WSS380	120 lbs	(534)	9.7"	(246.38)	2.25"	(57.15)	.5"	(12.7)	Black	300
WSI38												
157-00407	**157-00407**	WSI380	120 lbs	(534)	12.7"	(322.58)	3.25"	(82.55)	.5"	(12.7)	Black	60
157-00404	**157-00404**	WSI380	120 lbs	(534)	12.7"	(322.58)	3.25"	(82.55)	.5"	(12.7)	Black	300
WSR38												
157-00408	**157-00408**	WSR380	120 lbs	(534)	15.7"	(398.78)	4.125"	(104.78)	.5"	(12.7)	Black	60
157-00405	**157-00405**	WSR380	120 lbs	(534)	15.7"	(398.78)	4.125"	(104.78)	.5"	(12.7)	Black	300

Installation tools - MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Stud Mount Ties

The stud mount tie mounts and secures a cable bundle in one component. The stud mount tie is designed for use on a 1/4"
- 20 UNC threaded stud or the exposed threads of a machine screw.

Material Data

Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**
Flammability	**UL94 HB**

RoHS

Product Selection

Article No.	Part No.	Type	Stud Ø		Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
			in.	(mm)	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
157-01300	**T120RSM0HIRK2**	T120RSM	.25 "	(6.25)	120 lbs	(535)	15.94"	(405)	3.98"	(101)	.30"	(7.6)	Black	50

Installation tools - MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Standoff Stud Mount Tie

This tie is easily mounted on the top of the stud, the additional height gained by this design gives the bundle added clearance from the panel.

Material Data

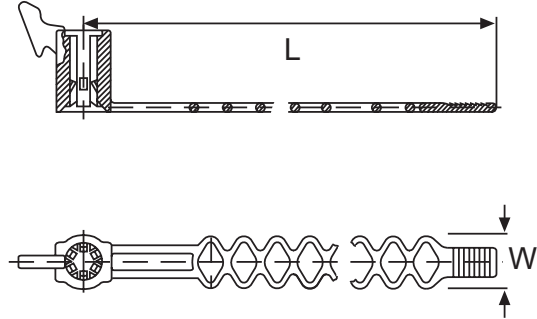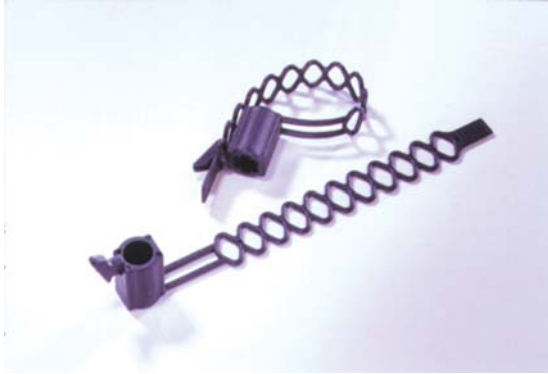|	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection

Article No.	Part No.	Type	Stud Ø		Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Color	Pkg. Qty.
			in.	(mm)	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)		
155-30602	**155-30602**	T50SSBS50TE	.20 "	(5)	45 lbs	(200)	6.30"	(160)	1.38"	(35)	.181"	(4.6)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Oval Shaped Variable Stud Mount Ties

The special oval shape provides for an approximate .20"
(5.5mm) lateral adjustment, allowing for any misalignment of
the stud or incorrect positioning of the tie on the cables. The
"soft push" mount allows it to be installed onto a weld stud
without the use of any tools.
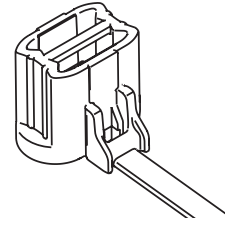
T50SOSSB5HEC

T50SOSSB6HE

Material Data	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection			Stud Ø		Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	in.	(mm)	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
155-05400	**155-05400**	T50SOSSB5HEC	.20 "	(5)	38 lbs	(170)	6.30"	(160)	1.38"	(35)	.18"	(4.6)	Black	500
155-46302	**155-46302**	T50SOSSB6HE	.24 "	(6)	38 lbs	(170)	6.30"	(160)	1.38"	(35)	.18"	(4.6)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Stud Mount Tie with Outside Serrations

Providing an especially secure hold and the ability to mount the cables very close to the stud, this tie is outside serrated preventing damage to the insulation of the cable.

T50SOSSBS5E

Material Data	
Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection			Stud Ø		Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	in.	(mm)	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
155-12300	**155-12300**	T50SOSSBS5E	.20 "	(5)	50 lbs	(225)	6.30"	(160)	1.38"	(35)	.18"	(4.6)	Black	500

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Ladder Style Stud Mount Ties

Ladder style tie mounts easily onto #10-24″ (5 mm) stud. Unique latch allows for easy re-entry to bundles.

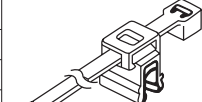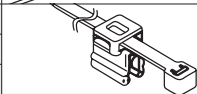| Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection			Stud Ø		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
150-28100	**150-28100**	FBB100			4″	(110)	.91″	(23)	.40″	(10)	Black	500
150-28140	**150-28140**	FBB140	# 10-24″	(5)	5.59″	(142)	1.50″	(38)	.40″	(10)	Black	500
150-28180	**150-28180**	FBB185			7.87″	(200)	1.97″	(50)	.40″	(10)	Black	500

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Flexible Head Stud Mount Tie

Flexible head wraps around cable bundle for easy installation.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection			Stud Ø		Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			Pkg. Qty.
Article No.	Part No.	Type	in.	(mm)	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	
111-07110	**111-07110**	T50RS5	#10 - 24″	(5)	50 lbs	(225)	7.48″	(190)	1.58″	(40)	.18″	(4.6)	Black	100

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties and Edge Clips

HellermannTyton's edge clips are designed specifically to route bundles by securing them to the edge of a plastic or metal sheet without the need for a mounting hole. The clip is easy to secure and the extraction force is high due to the integrated metal clamp that holds the edge clip in place. Edge clips are available in three configurations: a two piece clip and tie assembly, a one piece clip and tie combination and a edge clip and tape bar combination. When noted (*), cable ties are outside serrated which can reduce bundle chafing.

Two Piece Edge Clip and Cable Tie Assemblies
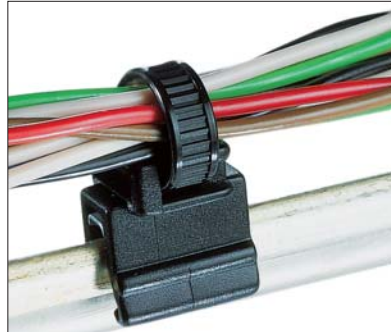
T50ROSEC4A - the cable bundle runs parallel with the edge.

Material Data- Cable Tie		RoHS
Material	**Polyamide 6.6 heat stabilized (PA66HS)**	
Color	**Black**	
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**	
Flammability	**UL94 V2**	
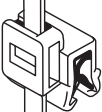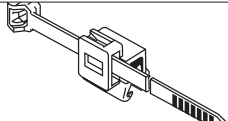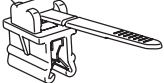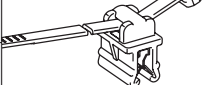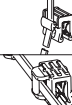
Material Data - Edge Clip		RoHS
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**	
Color	**Black**	
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**	
Flammability	**UL94 HB**	
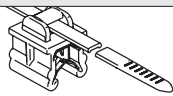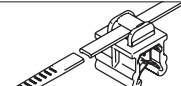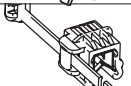
Article No.	Part No.	Type	Min. Tensile Strength lbs.	(N)	Length (L) in.	(mm)	Max. Ø Bundle in.	(mm)	Pkg. Qty.	Drawing
Panel Thickness, — .039″ - .117″ (1-3mm)										
150-76090	**150-76090**	T30REC4A	30 lbs	(135)	5.9″	(150)	1.3″	(33)	500	
150-76093	**150-76093** *	T50SOSEC4A	50 lbs	(225)	5.9″	(150)	1.2″	(31)	500	
150-76091	**150-76091**	T50REC4A	50 lbs	(225)	8″	(202)	1.8″	(45)	500	
150-76099	**150-76099** *	T50ROSEC4A	50 lbs	(225)	7.9″	(200)	1.8″	(45)	500	
150-76080	**150-76080**	T30REC4B	50 lbs	(135)	5.9″	(150)	1.3″	(33)	500	
156-00109	**156-00109** *	T50SOSEC4B	50 lbs	(225)	6.5″	(165)	1.2″	(31)	500	
150-76079	**150-76079** *	T50ROSEC4B	50 lbs	(225)	7.9″	(200)	1.8″	(45)	500	
150-40593	**150-40593** *	T50SOSEC5A	50 lbs	(225)	5.9″	(150)	1.2″	(31)	500	
150-40592	**150-40592**	T50REC5A	50 lbs	(225)	8″	(202)	1.8″	(45)	500	
150-40591	**150-40591**	T50ROSEC5A	50 lbs	(225)	7.9″	(200)	1.8″	(45)	500	
156-01007	**156-01007**	T50RDHEC5A	50 lbs	(225)	8.3″	(210)	1.8″	(45)	500	
156-05000	**156-05000**	T30REC5B	30 lbs	(135)	5.9″	(150)	1.3″	(33)	500	
150-40583	**150-40583** *	T50SOSEC5B	50 lbs	(225)	5.9″	(150)	1.2″	(31)	500	
150-40582	**150-40582**	T50REC5B	50 lbs	(225)	8.0″	(202)	1.8″	(45)	500	
150-40581	**150-40581** *	T50ROSEC5B	50 lbs	(225)	7.9″	(200)	1.8″	(45)	500	
155-37104	**155-37104**	T18REC9	18 lbs	(80)	3.9″	(100)	.75″	(19)	500	
156-00019	**156-00019** *	T50SOSEC9SD	50 lbs	(225)	5.9″	(150)	1.2″	(31)	500	
156-05903	**156-05903**	T50ROSEC9	50 lbs	(225)	7.9″	(200)	1.8″	(45)	500	
155-38304	**155-38304**	T18R-EC10	18 lbs	(80)	3.9″	(100)	.79″	(20)	500	
156-05904	**156-05904** *	T50ROSEC10	50 lbs	(225)	7.9″	(200)	1.8″	(45)	500	
156-00017	**156-00017**	T50SOSEC21	50 lbs	(225)	5.9″	(150)	1.3″	(33)	500	
156-00010	**156-00010**	T50ROSEC21	50 lbs	(225)	7.9″	(200)	1.8″	(45)	500	
156-00018	**156-00018**	T50SOSEC22	50 lbs	(225)	5.9″	(150)	1.3″	(33)	500	
156-00011	**156-00011**	T50ROSEC22	50 lbs	(225)	7.9″	(200)	1.8″	(45)	500	

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.   * outside serrated cable tie

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Two Piece Edge Clip and Cable Tie Assemblies   *continued*

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Pkg. Qty.	Drawing
			lbs.	(N)	in.	(mm)	in.	(mm)		
Panel Thickness — .117" - .234" (3-6 mm)										
156-04600	**156-04600**	T18ROSEC19	18 lbs	(80)	3.9"	(100)	.79"	(20)	500	
156-04601	**156-04601**	T50SOSEC19	50 lbs	(225)	5.9"	(150)	1.2"	(31)	500	
156-04602	**156-04602**	T50ROSEC19	50 lbs	(225)	7.9"	(200)	1.8"	(45)	500	
156-00016	**156-00016**	T50SOSEC20	50 lbs	(225)	5.9"	(150)	1.3"	(33)	500	
156-00020	**156-00020**	T50ROSEC20	50 lbs	(225)	7.9"	(200)	1.8"	(45)	500	
156-00006	**156-00006**	T50ROSEC23	50 lbs	(225)	7.9"	(200)	1.8"	(45)	500	
156-00007	**156-00007**	T50ROSEC24	50 lbs	(225)	7.9"	(200)	1.8"	(45)	500	

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

One Piece Edge Clip and Cable Tie Combinations

The plastic area of the edge clips and the cable ties are molded together.

Material Data

Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Color	**Black**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Flammability	**UL94 HB**

RoHS

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Pkg. Qty.	Drawing
			lbs.	(N)	in.	(mm)	in.	(mm)		
Panel Thickness — .039" - .117" (1-3 mm)										
133-00059	**133-00059**	T40XEC5SP-E	40 lbs	(178)	4.05"	(103)	.59"	(15)	500	
148-00200	**148-00200**	T50SOSEC12E	50 lbs	(225)	6.30"	(160)	1.38"	(35)	500	
126-00000	**126-00000**	T50SOSEC13E	50 lbs	(225)	6.30"	(160)	1.38"	(35)	500	

Installation tools - MK7, MK7HT, MK7P, MK9, MK9HT, MK9P. Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

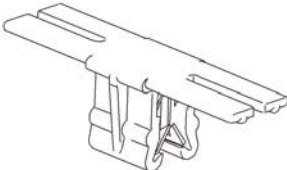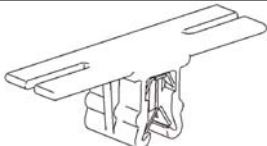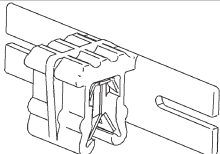## Edge Clip and Tape Clip Combination

These clips can be secured to cables with cable ties or tape.

Material Data - Cable Tie and Tape Clip Combination		RoHS
Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**	
Color	**Black**	
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**	
Flammability	**UL94 HB**	

Product Selection			Length (L)		Width (W)			
Article No.	Part No.	Type	in.	(mm)	in.	(mm)	Pkg. Qty.	Drawing
Panel Thickness — .039″ - .117″ (1-3 mm)								
151-03404	**151-03404**	EC14	1.57″	(40.0)	.39″	(10.0)	500	
151-03401	**151-03401**	EC15	1.57″	(40.0)	.39″	(10.0)	500	
151-03402	**151-03402**	EC16	1.57″	(40.0)	.39″	(10.0)	500	
151-03403	**151-03403**	EC17	1.57″	(40.0)	.39″	(10.0)	500	

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Button Head Ties

The button head tie is a two piece tie providing for parallel entry and exit through the head. The strap contains serrations on both sides and has two opposed pawls recessed within a domed head.

This design allows the strap to be directed clockwise or counter-clockwise prior to insertion into the head, enabling bi-directional looping.

New and Improved Features

The button head tie offers many new and improved features for added durability and installation ease.

Standoff tabs — prevent tie head from seating in button during strap insertion

Pilot bushing - protects the strap from abrasion on the mounting hole edge

Ribs - increased ribs added to the bottom of the button head for added durability

Strap - more radiused edges for added flexibility

Serrations - redesigned serrations and wedge design provide optimal strength when seated in the head

Retainers — lower retainers on BT130 help prevent the strap from backing out of the mounting hole and holds HellermannTyton's saddle mounts in place during assembly.
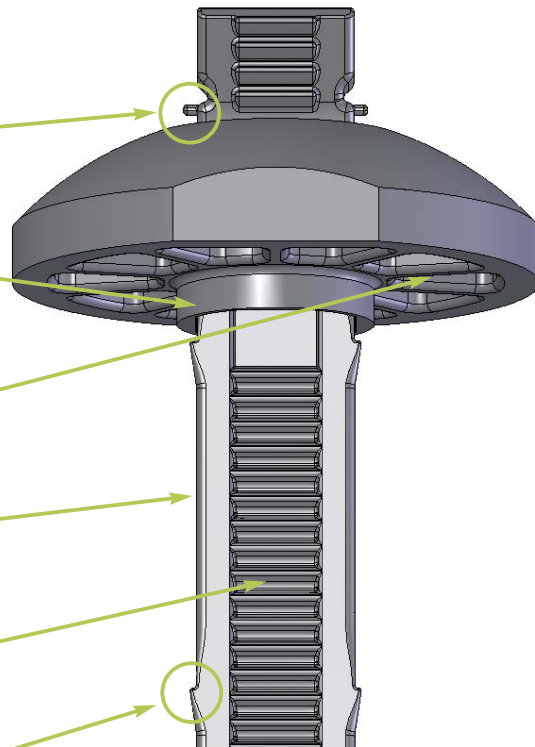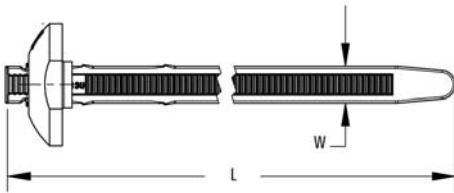
Button Head Ties *continued*
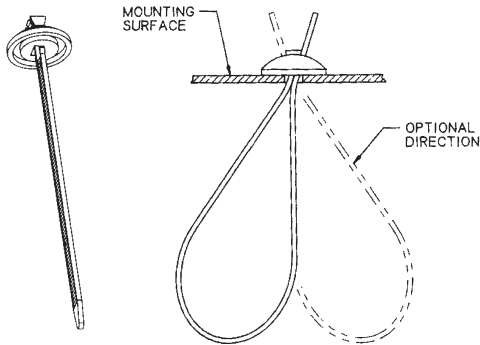
Material Data	
Cable Tie Material	**Polyamide 6.6 high impact modified, heat stabilized (PA66HIRHS)**
Button Head Material	**Polyamide 6.6 heat stabilized (PA66HS)**
Operating Temperature	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Color	**Black**
Flammability	**UL94 HB**

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
BT105 Button Head Ties												
132-00010	**132-00010**	BT105R	105 lbs	(467)	9.63"	(244.4)	2.62"	(66.7)	.22"	(5.6)	Black	50
132-00011	**132-00011**	BT105L	105 lbs	(467)	15"	(381.5)	4.33"	(110)	.22"	(5.6)	Black	50
BT105 Button Head Ties with Pilot Bushings												
132-00006	**132-00006**	BT105RP	105 lbs	(467)	9.63"	(244.4)	2.62"	(66.7)	.22"	(5.6)	Black	50
132-00007	**132-00007**	BT105LP	105 lbs	(467)	15"	(381.5)	4.33"	(110)	.22"	(5.6)	Black	50
BT130 Button Head Ties with Retainers and Pilot Bushings												
132-00008	**132-00008**	BT130RDP	130 lbs	(578)	10.51"	(267.0)	2.87"	(73)	.30"	(7.6)	Black	50
132-00009	**132-00009**	BT130LDP	130 lbs	(578)	15"	(381.5)	4.33"	(110)	.30"	(7.6)	Black	50

Installation tools - MK9, MK9HT, MK9P. Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

EL-TY (Extended Length Ties)

HellermannTyton's El-Ty is a high strength strapping system used for supporting, securing, fastening, and spacing cables, as well as a variety of other applications requiring extra-long, extremely durable strapping.

The El-Ty consists of a smooth strap and a separate, compact plastic head which encloses a stainless steel gripper. The stackable spacer accepts cable ties up to 1/2" wide for a versatile, easy to install spacing system.
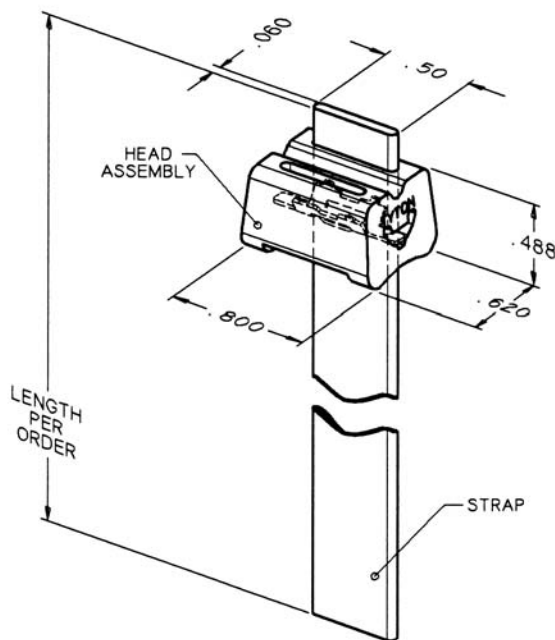
Material Data- Strap and Head		RoHS
Material	**Polyacetal (POM)**	
Color	**Black**	
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C)**	
Flammability	**UL94 HB**	

Material Data- Spacer		RoHS
Material	**Polypropylene, UV-resistant (PP)**	
Color	**Black**	
Operating Temperature	**-40 °F to +239 °F (-40 °C to +115 °C) continuous**	
Flammability	**UL94 HB**	

El-Ty Strap and Locking Head

slits for El-TY strap
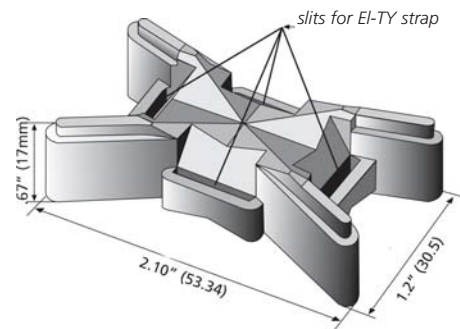
El-Ty Spacer

Product Selection					
Article No.	**Part No.**	**Type**	**Description**	**Color**	**Pkg. Qty.**
111-30000	**TELS-1**	TELS1	1 - 50 ft reel of strap and 30 heads	Black	1
111-31000	**TELS-H**	TELSH	Double entry and locking heads	Black	25
111-32108	**TELS-13**	TELS-13	10 - 13.5" straps and 10 double locking heads	Black	1
111-32110	**TELS-27**	TELS-27	10 - 27" straps and 10 double locking heads	Black	1
111-32111	**TELS-5K**	TELS-5K	5 - 50 ft. reels and 150 heads	Black	1
111-32107	**TELS-10K**	TELS-10K	10 - 50 ft. reels and 300 heads	Black	1
111-32000	**TELS-SPK2**	TELS-SPK2	EL-TY Spacer	Black	50
111-32106	**TELS-SPOOL**	TELS-SPOOL	50 ft. reel of strap	Black	1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Aerial Support Spacer Ties

Aerial support spacer ties are two piece ties designed for standard spacing applications. The strap is molded from special high impact polyamide 6.6. The support spacer and head are made from a high density outdoor black polypropylene. Both materials offer resistance to sunlight, saltwater, and harsh chemical environments.
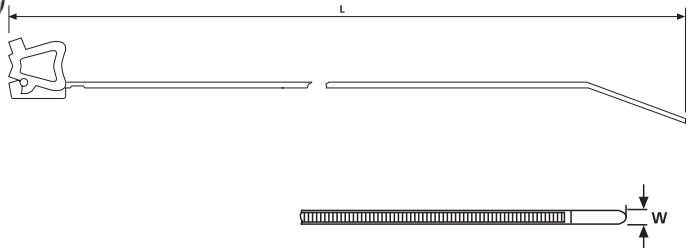
Material Data- Strap	
Material	**Polyamide 6.6 high impact modified (PA66HIR)**
Color	**Black**
Operating Temperature	**-40 °F to +230 °F (-40 °C to +110 °C) continuous**
Flammability	**UL94 HB**

RoHS

Material Data-Spacer/Head	
Material	**Polypropylene, UV-resistant (PP)**
Color	**Black**
Operating Temperature	**-40 °F to +239 °F (-40 °C to +115 °C) continuous**
Flammability	**UL94 HB**

RoHS

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
111-98501	**TAS100RWS**	TAS100RWS	100 lbs	(445)	8.25″	(209.6)	1.75″	(44.5)	.50″	(12.7)	Black	100
111-98500	**TAS100MWS**	TAS100MWS	100 lbs	(445)	10.7″	(272.3)	2.75″	(70)	.50″	(12.7)	Black	100
148-00022	**TAS100LWS**	TAS100LWS	100 lbs	(445)	16″	(420)	4.5″	(115)	.50″	(12.7)	Black	100

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.
Installation tools - MK9, MK9HT, MK9P.

Kabelrap Bundling System

The patented Kabelrap bundling system offers a very high bundling strength and is particularly resistant to salt water, oils, greases, and hydraulic fluids. Special hand tool required for installation.
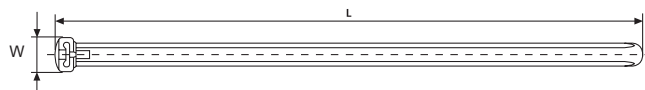
Required Tool - 121-00680

Kabelrap Application

Material Data	
Material	**Polyamide 6.6 UV-resistant (PA66UV)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
121-61860	**121-61860**	KR6/18	110 lbs	(490)	7.25″	(183)	1.5″	(39)	.24″	(6)	Black	50
121-63560	**121-63560**	KR6/35	110 lbs	(490)	14″	(356)	3.75″	(93)	.25″	(6)	Black	50
121-82160	**121-82160**	KR8/21	175 lbs	(785)	8.25″	(210)	1.75″	(47)	.31″	(8)	Black	50
121-83360	**121-83360**	KR8/33	175 lbs	(785)	13.25″	(337)	3.37″	(86)	.31″	(8)	Black	50

Required Installation Tool - 121-00680. Black is the standard color. Natural is available based upon minimums, custom terms and lead times.

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.
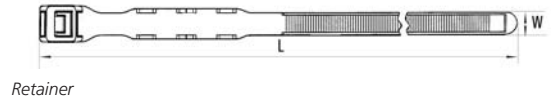
Parallel Entry Ties

The parallel entry tie features a very low profile head, which enables the installed tie to lie flat on the bundle. Its sleek design enhances safety and fulfills the requirements of many diverse applications. The parallel entry tie features outside serrations to allow the smooth side of the tie to rest on a bundle, reducing any potential of wear due to abrasion from vibrations or movement. The parallel entry tie also offers an optional custom designed feature for foam applications, such as playground equipment. With child safety in mind, the patented retainer bumps on the strap allow the tie to grip into foam padded equipment eliminating slippage. The retainers also contain the tail of the tie eliminating the need to cut any excess material. This feature eliminates the potential for any sharp edges. Only a smooth surface is evident. The "PER" designation in the part number indicates the retainer feature.

Retainer (PER) Version

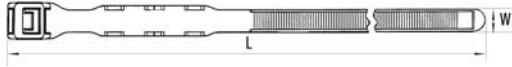| Material Data	
Material	**Polyamide 6.6 UV-resistant (PA66UV)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

Retainer

No Retainer

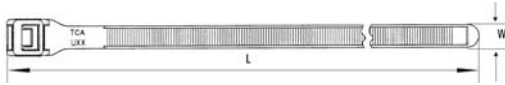| Product Selection												
			Min. Tensile Strength		**Length (L)**		**Max. Ø Bundle**		**Width (W)**			**Pkg. Qty.**
Article No.	**Part No.**	**Type**	**lbs.**	**(N)**	**in.**	**(mm)**	**in.**	**(mm)**	**in.**	**(mm)**	**Color**	
PE130S												
112-00700	**PE130S0UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Black	100
112-00701	**PE130S14UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Watermelon	100
112-00702	**PE130S20UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Custom Blue	100
112-00703	**PE130S22UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Lavender	100
112-00704	**PE130S23UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Raspberry	100
112-00705	**PE130S35UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Candy	100
112-00706	**PE130S36UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Caramel	100
112-00707	**PE130S37UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Cobalt Blue	100
112-00708	**PE130S38UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Forest Green	100
112-00709	**PE130S39UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Grape	100
112-00710	**PE130S40UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Rose Pink	100
112-00711	**PE130S41UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Lemon Yellow	100
112-00712	**PE130S42UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Sky Blue	100
112-00713	**PE130S43UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Charcoal	100
112-00714	**PE130S4UVC2**	PE130S	130 lbs	(578.3)	13.5"	(342.9)	4.0"	(101.6)	.36"	(9.1)	Yellow	100

Installation tools - MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Parallel Entry Ties *continued*

Retainer

Material Data	
Material	**Polyamide 6.6 UV-resistant (PA66UV)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

No Retainer

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
PE130R												
112-00600	**PE130R0UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Black	100
112-00601	**PE130R14UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Watermelon	100
112-00602	**PE130R17UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Tan	100
112-00603	**PE130R1AUVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Chocolate	100
112-00604	**PE130R20UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Custom Blue	100
112-00605	**PE130R21UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Custom Green	100
112-00606	**PE130R22UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Lavender	100
112-00607	**PE130R23UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Raspberry	100
112-00608	**PE130R31UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Aquamarine	100
112-00609	**PE130R35UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Candy	100
112-00610	**PE130R36UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Caramel	100
112-00611	**PE130R37UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Cobalt Blue	100
112-00612	**PE130R38UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Forest Green	100
112-00613	**PE130R39UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Grape	100
112-00614	**PE130R40UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Rose Pink	100
112-00615	**PE130R41UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Lemon Yellow	100
112-00616	**PE130R42UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Sky Blue	100
112-00617	**PE130R43UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Charcoal	100
112-00618	**PE130R4UVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Yellow	100
112-00619	**PE130R8AUVC2**	PE130R	130 lbs	(578.3)	16.25"	(413.0)	4.84"	(123.0)	.36"	(9.0)	Light Grey	100

Installation tools - MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Ties

Parallel Entry Ties   *continued*

Retainer

No Retainer

Material Data	
Material	**Polyamide 6.6 UV-resistant (PA66UV)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)			Pkg. Qty.
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Color	
PER130R												
112-00800	**PER130R0UVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Black	100
112-00802	**PER130R14UVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Watermelon	100
112-00803	**PER130R20UVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Custom Blue	100
112-00804	**PER130R21UVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Custom Green	100
112-00805	**PER130R23UVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Raspberry	100
112-00806	**PER130R31UVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Aquamarine	100
112-00807	**PER130R4UVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Yellow	100
112-00808	**PER130R6AUVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Light Blue	100
112-00809	**PER130R7UVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Purple	100
112-00810	**PER130R8AUVC2**	PER130R	130 lbs	(578.3)	16.25″	(413.0)	4.84″	(123.0)	.49″	(12.4)	Light Grey	100
PE130I												
112-00500	**PE130I0UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Black	100
112-00501	**PE130I10UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	White	100
112-00502	**PE130I14UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Watermelon	100
112-00503	**PE130I17UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Tan	100
112-00504	**PE130I20UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Custom Blue	100
112-00505	**PE130I21UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Custom Green	100
112-00506	**PE130I22UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Lavender	100
112-00507	**PE130I23UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Raspberry	100
112-00508	**PE130I31UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Aquamarine	100
112-00509	**PE130I32UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Butterscotch	100
112-00510	**PE130I4UVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Yellow	100
112-00511	**PE130I6AUVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Light Blue	100
112-00512	**PE130I8AUVC2**	PE130I	130 lbs	(578.3)	21″	(533.0)	6.22″	(158.0)	.35″	(9.0)	Light Grey	100

Installation tools - MK9, MK9HT, MK9P.   Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Stainless Steel Cable Ties

HellermannTyton's stainless steel ties are designed to secure hoses, cables, poles, pipes, and more when harsh environmental conditions may adversely affect the bundling application. Used where corrosion, vibration, weathering, radiation, and temperature extremes are a concern, HellermannTyton's stainless steel ties can be used in virtually any indoor, outdoor, and underground application.

MK9SST Stainless Steel Cable Tie Installation Tool

Product Selection

Article No.	Part No.	Type	Description	Cable Tie Series	Pkg. Qty.
110-95000	**MK9SST**	MK9SST	Adapted for use with stainless steel ties, the MK9 Stainless Steel tool retains the same design features as the MK9 series. The MK9SST accommodates all HellermannTyton stainless steel ties. Comes standard with padded foam grips for comfort and control and a hook for hanging on a belt or tether.	All MBT Series for both 304 and 316 materials	1

304 Material

Grade 304 material is commonly used for stainless steel bundling applications and suits most general purpose requirements. It features the ability to withstand most environmental conditions, particularly in applications where vibration, general weathering, radiation and temperature extremes are a concern.

- Self locking, ball bearing mechanism for quick and easy installation, either by hand or by tensioning tool
- Fully enclosed head does not allow dirt or grit to interfere with locking mechanism
- High tensile strength option for added strength and safety on heavy duty applications

HellermannTyton's MK9SST tool is durable and lightweight offering superior stainless steel cable tie installation.
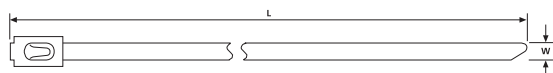
Material Data	
Material	**Stainless Steel Type SS304 (SS304)**
Operating Temperature	**-112 °F to +1000 °F (-80 °C to +538 °C)**

RoHS

Product Selection

Article No.	Part No.	Type	Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Pkg. Qty.
			lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	
150 lb. Stainless Steel Ties											
111-93058	**MBT5S-S**	MBT5SS	150 lbs	(670)	5.0"	(127)	1"	(25)	.18"	(4.6)	100
111-93088	**MBT8S-S**	MBT8SS	150 lbs	(670)	7.9"	(201)	2"	(50)	.18"	(4.6)	100
111-93148	**MBT14S-S**	MBT14SS	150 lbs	(670)	14.3"	(362)	4"	(102)	.18"	(4.6)	100
111-93208	**MBT20S-S**	MBT20SS	150 lbs	(670)	20.5"	(521)	6"	(152)	.18"	(4.6)	100
111-93278	**MB27S-S**	MBT27SS	150 lbs	(670)	26.8"	(681)	8"	(203)	.18"	(4.6)	100
111-93338	**MBT33S-S**	MBT33SS	150 lbs	(670)	33"	(838)	10"	(254)	.18"	(4.6)	100
250 lb. Stainless Steel Ties											
111-94088	**MBT8H-S**	MBT8HS	250 lbs	(1115)	7.9"	(201)	2"	(50)	.31"	(7.9)	50
111-94148	**MBT14H-S**	MBT14HS	250 lbs	(1115)	14.3"	(362)	4"	(102)	.31"	(7.9)	50
111-94208	**MBT20H-S**	MBT20HS	250 lbs	(1115)	20.5"	(521)	6"	(152)	.31"	(7.9)	50
111-94278	**MBT27H-S**	MBT27HS	250 lbs	(1115)	26.8"	(681)	8"	(203)	.31"	(7.9)	50
111-94338	**MBT33H-S**	MBT33HS	250 lbs	(1115)	33"	(838)	10"	(254)	.31"	(7.9)	50

Installation tools for the above cable ties - MK9SST Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes. Stainless steel ties and materials should be tested thoroughly under end use conditions to determine suitability for the application.

Cable Ties

Stainless Steel Cable Ties *continued*

316 Material

Grade 316 material is highly resistant to corrosion and widely used in marine environments where chemicals, salts, acids, and temperature extremes may affect the bundling application. MBT stainless steel ties in 316 steel material are also available with a nylon 11 protective coating. This coating creates a barrier and protectant from chemical reactions of dissimilar metals.

- Self locking, ball bearing mechanism for quick and easy installation, either by hand or by tensioning tool
- Fully enclosed head does not allow dirt or grit to interfere with locking mechanism
- High tensile strength option available for added strength and safety on heavy duty applications

Material Data	
Material	**Stainless Steel Type SS316 (SS316)**
Operating Temperature	**-112 °F to +1000 °F (-80 °C to +538 °C)**
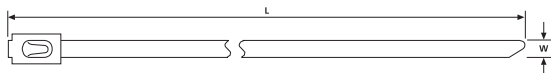
RoHS

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	Pkg. Qty.
150 lb. Stainless Steel Ties											
111-93959	**MBT5S**	MBT5S	150 lbs	(670)	5.0"	(127)	1.0"	(25.4)	.18"	(4.6)	100
111-93089	**MBT8S**	MBT8S	150 lbs	(670)	7.9"	(201)	2.0"	(50)	.18"	(4.6)	100
111-93149	**MBT14S**	MBT14S	150 lbs	(670)	14.3"	(362)	4.0"	(102)	.18"	(4.6)	100
111-93209	**MBT20S**	MBT20S	150 lbs	(670)	20.5"	(521)	6.0"	(152)	.18"	(4.6)	100
111-93279	**MBT27S**	MBT27S	150 lbs	(670)	26.8"	(681)	8.0"	(203)	.18"	(4.6)	100
111-93339	**MBT33S**	MBT33S	150 lbs	(670)	33.0"	(838)	10.0"	(254)	.18"	(4.6)	100
250 lb. Stainless Steel Ties											
111-94089	**MBT8H**	MBT8H	250 lbs	(1115)	7.9"	(201)	2.0"	(50.8)	.31"	(7.9)	50
111-94149	**MBT14H**	MBT14H	250 lbs	(1115)	14.3"	(362)	4.0"	(102)	.31"	(7.9)	50
111-94209	**MBT20H**	MBT20H	250 lbs	(1115)	20.5"	(521)	6.0"	(152)	.31"	(7.9)	50
111-94279	**MBT27H**	MBT27H	250 lbs	(1115)	26.8"	(681)	8.0"	(203)	.31"	(7.9)	50
111-94339	**MBT33H**	MBT33H	250 lbs	(1115)	33.0"	(838)	10.0"	(254)	.31"	(7.9)	50

Installation tools for the above cable ties - MK9SST Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes. Stainless steel ties and materials should be tested thoroughly under end use conditions to determine suitability for the application.

Grip Tie Straps

The Grip Tie is a low profile, one piece fastening device. Constructed of polyethylene hook and nylon loop and laminated back to back, the Grip Tie features quick release for repetitive access to cable and wire. It can be opened and closed numerous times without failure. The Grip Tie is reusable, adjustable, releasable, and easy to install.

Available in rolls and straps in 6", 8", 11" and 15" sizes. Grip Ties are available in a variety of colors and are versatile enough for applications ranging from network installations to bundling power cords. Grip Ties are also customizable with your company name (minimum quantities apply).
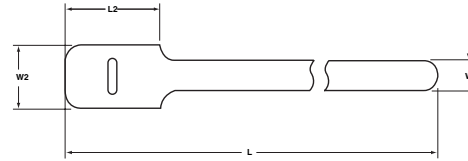
Product Selection

Article No.	Part No.	Type	Min. Tensile Strength lbs. (N)	Length (L) in. (mm)	Max. Ø Bundle in. (mm)	Width (W) in. (mm)	Width (W2) in. (mm)	Length (L2) in. (mm)	Color	Pkg. Qty.
6" Grip Ties										
854-44316	**GT.375X60C2**	GT.375X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.375" (9.525)	.75" (19.05)	1.5" (38.1)	**Black**	100
854-44339	**GT.50X60P2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)		10
854-44336	**GT.50X60C2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44342	**GT.50X62P2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Red**	10
854-44341	**GT.50X62C2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44344	**GT.50X63P2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Orange**	10
854-44343	**GT.50X63C2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44346	**GT.50X64P2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Yellow**	10
854-44345	**GT.50X64C2**	GT.50x6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44348	**GT.50X65P2**	GT.50x6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Green**	10
854-44347	**GT.50X65C2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44350	**GT.50X66P2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Blue**	10
854-44349	**GT.50X66C2**	GT.50X6	40 lbs (177.93)	6" (152.4)	1" (25.4)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
8" Grip Ties										
854-44355	**GT.50X80P2**	GT.50x8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Black**	10
854-44353	**GT.50X80C2**	GT.50x8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44358	**GT.50X82P2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Red**	10
854-44357	**GT.50X82C2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44360	**GT.50X83P2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Orange**	10
854-44359	**GT.50X83C2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44362	**GT.50X84P2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Yellow**	10
854-44361	**GT.50X84C2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44364	**GT.50X85P2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Green**	10
854-44363	**GT.50X85C2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100
854-44366	**GT.50X86P2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)	**Blue**	10
854-44365	**GT.50X86C2**	GT.50X8	40 lbs (177.93)	8" (203.2)	1.75" (44.45)	.5" (12.7)	1" (25.4)	1.5" (38.1)		100

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Grip Tie Straps *continued*

Product Selection																	
			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Width (W2)		Length (L2)			Pkg.
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Qty.
11″ Grip Ties																
854-44320	**GT.50X110P2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)	Black	10
854-44317	**GT.50X110C2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)		100
854-44323	**GT.50X112P2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)	Red	10
854-44322	**GT.50X112C2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)		100
854-44325	**GT.50X113P2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)	Orange	10
854-44324	**GT.50X113C2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)		100
854-44327	**GT.50X114P2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)	Yellow	10
854-44326	**GT.50X114C2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)		100
854-44329	**GT.50X115P2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)	Green	10
854-44328	**GT.50X115C2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)		100
854-44331	**GT.50X116P2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)	Blue	10
854-44330	**GT.50X116C2**	GT.50X11	40 lbs	(177.93)	11″	(279.4)	2.63″	(66.802)	.5″	(12.7)	1″	(25.4)	1.5″	(38.1)		100
15″ Grip Ties																
854-44371	**GT.75X150P2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)	Black	10
854-44369	**GT.75X150C2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)		100
854-44374	**GT.75X152P2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)	Red	10
854-44373	**GT.75X152C2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)		100
854-44376	**GT.75X153P2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)	Orange	10
854-44375	**GT.75X153C2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)		100
854-44377	**GT.75X154C2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)	Yellow	100
854-44378	**GT.75X154P2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)		10
854-44380	**GT.75X155P2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)	Green	10
854-44379	**GT.75X155C2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)		100
854-44382	**GT.75X156P2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)	Blue	10
854-44381	**GT.75X156C2**	GT.75X15	50 lbs	(222.41)	15″	(381)	3.88″	(98.552)	.75″	(19.05)	1.5″	(38.1)	2.5″	(63.5)		100

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Grip Tie Rolls

For custom-cut lengths, HellermannTyton offers the hook and loop strap on a five yard and 25 yard roll. Ideal for job site applications, desired lengths can be cut on the spot.
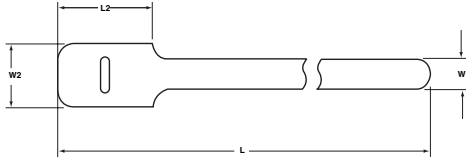

Product Selection						
			Width (W)			
Article No.	Part No.	Type	in.	(mm)	Color	Pkg. Qty.
854-44384	**GT.75X1800**	GT.75X180	.75″	(19.05)	Black	180″ (5 yds.)
854-44388	**GT.75X1802**	GT.75X180	.75″	(19.05)	Red	180″ (5 yds.)
854-44389	**GT.75X1803**	GT.75X180	.75″	(19.05)	Orange	180″ (5 yds.)
854-44390	**GT.75X1804**	GT.75X180	.75″	(19.05)	Yellow	180″ (5 yds.)
854-44391	**GT.75X1805**	GT.75X180	.75″	(19.05)	Green	180″ (5 yds.)
854-44392	**GT.75X1806**	GT.75X180	.75″	(19.05)	Blue	180″ (5 yds.)
854-44395	**GT.75X6000**	GT.75X600	.75″	(19.05)	Black	600″ (16.6 yds.)
854-44396	**GT.75X9000**	GT.75X900	.75″	(19.05)	Black	900″ (25 yds.)
854-44397	**GT.75X9004**	GT.75X900	.75″	(19.05)	Yellow	900″ (25 yds.)

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Write-on Grip Ties

In situations where instant identification is needed, HellermannTyton provides Grip Ties with a white write-on area. This smudge-free surface is ideal for fast and easy identification with a ballpoint pen or felt-tip marker. The write-on area is approximately 3/8"(H) x 1-1/4"(W). It is positioned in the center of the black 6", 8" and 11" straps, as well as spaced every 12" on the Grip Tie rolls.
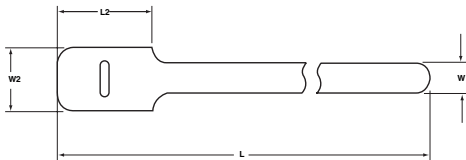
Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Width (W2)		Length (L2)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
854-44340	**GT.50X60P2W**	GT.50X6W	40 lbs	(177.93)	6"	(152.4)	1"	(25.4)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Black	10
854-44338	**GT.50X60C2W**	GT.50X6W	40 lbs	(177.93)	6"	(152.4)	1"	(25.4)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Black	100
854-44356	**GT.50X80P2W**	GT.50X8W	40 lbs	(177.93)	8"	(203.2)	1.75"	(44.45)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Black	10
854-44354	**GT.50X80C2W**	GT.50X8W	40 lbs	(177.93)	8"	(203.2)	1.75"	(44.45)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Black	100
854-44321	**GT.50X110P2W**	GT.50X11W	40 lbs	(177.93)	11"	(279.4)	2.63"	(66.8)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Black	10
854-44319	**GT.50X110C2W**	GT.50X11W	40 lbs	(177.93)	11"	(279.4)	2.63"	(66.8)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Black	10
854-44386	**GT.75X1800W**	GT.75X180W	-	-	180"	(5 Yds.)	-	-	.75"	(19.05)	-	-	-	-	Black	180"

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Grip Ties for Plenum Applications

HellermannTyton offers UL94V-2 flame rated Grip Ties for use in air handling spaces. These Grip Ties are UL Listed in accordance with the National Electrical Code regulations. They are available in three lengths as well as a 180" roll.

Product Selection			Min. Tensile Strength		Length (L)		Max. Ø Bundle		Width (W)		Width (W2)		Length (L2)			
Article No.	Part No.	Type	lbs.	(N)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
854-44352	**GT.50X6MP2V2**	GT.50X6	40 lbs	(177.93)	6"	(152.4)	1"	(25.4)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Maroon	10
854-44368	**GT.50X8MP2V2**	GT.50X8	40 lbs	(177.93)	8"	(203.2)	1.91"	(48.5)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Maroon	10
854-44334	**GT.50X12MP2V2**	GT.50X12	40 lbs	(177.93)	12"	(304.8)	3.18"	(80.7)	.5"	(12.7)	1"	(25.4)	1.5"	(38.1)	Maroon	10
854-44394	**GT.75X180MV2**	GT.75X180	-	-	-	-	–	–	.75"	(19.05)	-	-	-	-	Maroon	180"

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Mounts

HellermannTyton offers a wide variety of mounting bases suited for many applications. Mounting bases are used in conjunction with cable ties to stabilize and secure wiring bundles, both indoors and outdoors. These mounting bases can be secured to a surface using rubber based adhesive, acrylic adhesive, or also can be screw mounted.
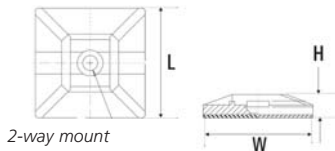
Cable Tie Mounting Bases

HellermannTyton's 4-way mounting bases are available in four sizes to accommodate T18 through T150 series cable ties. Insertion of ties can be made from all four sides. Each mount may be secured with two screws (four screws for the MB2.5 mount), with adhesive backing, or both, for ease of application and stability.

For applications where higher temperatures, certain chemicals, or UV radiation are a concern and an adhesive is the preferred method for securing, the acrylic adhesive 4-way mounting bases are recommended. The 2-way mounting bases may be secured with one screw, with adhesive backing, or both, and allow ties to be inserted from two sides.

Adhesive mounts are supplied in pairs connected together on an adhesive liner.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2 (excluding adhesive)**

RoHS

2-way mount

4-way, MB2.5 mount

4-way, MB3, MB4 and MB5 mounts

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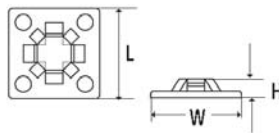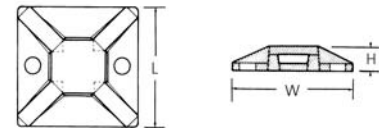
Cable Tie Mounting Bases - Screw Mount

File# E64139

Product Selection					Length (L)		Width (W)		Height (H)			
Article No.	Part No.	Type	Cable Tie Series	Mounting	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
2- Way Screw Mount												
151-29104	**MB4SH10C2**	MB4SH	T18 - T50	# 6 Screw	1.115″	(28.32)	1.115″	(28.32)	.202″	(5.13)	White	100
151-00323	**MB4SH10H4**	MB4SH			1.115″	(28.32)	1.115″	(28.32)	.202″	(5.13)	White	500
151-29100	**MB4SH0C2**	MB4SH			1.115″	(28.32)	1.115″	(28.32)	.202″	(5.13)	Black	100
151-29101	**MB4SH0H4**	MB4SH			1.115″	(28.32)	1.115″	(28.32)	.202″	(5.13)	Black	500
4- Way Screw Mount												
151-28901	**MB2.510C2**	MB2.5	T18	# 3 Screw	.625″	(15.88)	.625″	(15.88)	.130″	(3.3)	White	100
151-28902	**MB2.510M4**	MB2.5			.625″	(15.88)	.625″	(15.88)	.130″	(3.3)	White	1000
151-00285	**MB2.50C2**	MB2.5			.625″	(15.88)	.625″	(15.88)	.130″	(3.3)	Black	100
151-00286	**MB2.50M4**	MB2.5			.625″	(15.88)	.625″	(15.88)	.130″	(3.3)	Black	1000
151-28302	**MB310C2**	MB3	T18, T30	#4 Screw	.75″	(19.0)	.75″	(19.0)	.15″	(3.8)	White	100
151-28305	**MB310M4**	MB3			.75″	(19.0)	.75″	(19.0)	.15″	(3.8)	White	1000
151-00136	**MB30C2**	MB3			.75″	(19.0)	.75″	(19.0)	.15″	(3.8)	Black	100
151-28301	**MB30M4**	MB3			.75″	(19.0)	.75″	(19.0)	.15″	(3.8)	Black	1000
151-28802	**MB410C2**	MB4	T18 - T50	#8 Screw	1.12″	(28.5)	1.12″	(28.5)	.19″	(4.8)	White	100
151-00319	**MB410H4**	MB4			1.12″	(28.5)	1.12″	(28.5)	.19″	(4.8)	White	500
151-00320	**MB40C2**	MB4			1.12″	(28.5)	1.12″	(28.5)	.19″	(4.8)	Black	100
151-28801	**MB40H4**	MB4			1.12″	(28.5)	1.12″	(28.5)	.19″	(4.8)	Black	500
151-00324	**MB510C2**	MB5	T18 - T150	#8 Screw	1.485″	(37.7)	1.485″	(37.7)	.245″	(6.2)	White	100
151-28504	**MB510F4**	MB5			1.485″	(37.7)	1.485″	(37.7)	.245″	(6.2)	White	250
151-28500	**MB50C2**	MB5			1.485″	(37.7)	1.485″	(37.7)	.245″	(6.2)	Black	100
151-28501	**MB50F4**	MB5			1.485″	(37.7)	1.485″	(37.7)	.245″	(6.2)	Black	250

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Mounting Bases *continued*

2-way mount

4-way, MB2.5 mount

4-way, MB3, MB4 and MB5 mounts
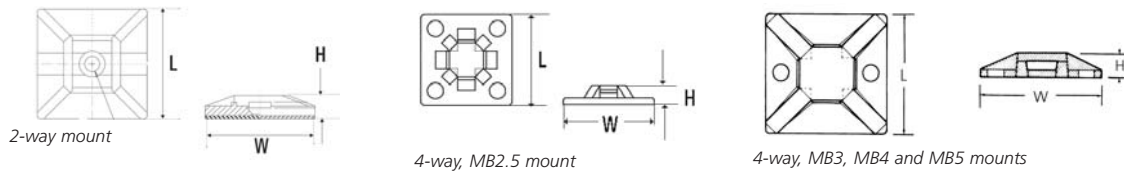
Cable Tie Mounting Bases - Rubber-Based Adhesive

File# E64139

Article No.	Part No.	Type	Cable Tie Series	Mounting	Length (L) in.	Length (L) (mm)	Width (W) in.	Width (W) (mm)	Height (H) in.	Height (H) (mm)	Color	Pkg. Qty.
2- Way Mount with Rubber - Based Adhesive												
151-29203	**MB4SHA10C2**	MB4SHA			1.115"	(28.32)	1.115"	(28.32)	.232"	(5.89)	White	100
151-29206	**MB4SHA10H4**	MB4SHA	T18 - T50	Adhesive	1.115"	(28.32)	1.115"	(28.32)	.232"	(5.89)	White	500
151-29200	**MB4SHA0C2**	MB4SHA			1.115"	(28.32)	1.115"	(28.32)	.232"	(5.89)	Black	100
4- Way Mount with Rubber - Based Adhesive												
151-29002	**MB2.5A10C2**	MB2.5A			.625"	(15.88)	.625"	(15.88)	.160"	(4.1)	White	100
151-00298	**MB2.5A10M4**	MB2.5A	T18	Adhesive	.625"	(15.88)	.625"	(15.88)	.160"	(4.1)	White	1000
151-29000	**MB2.5A0C2**	MB2.5A			.625"	(15.88)	.625"	(15.88)	.160"	(4.1)	Black	100
151-29001	**MB2.5A0M4**	MB2.5A			.625"	(15.88)	.625"	(15.88)	.160"	(4.1)	Black	1000
151-28718	**MB3A10C2**	MB3A			.75"	(19.0)	.75"	(19.0)	.18"	(4.6)	White	100
151-28721	**MB3A10M4**	MB3A	T18, T30	Adhesive	.75"	(19.0)	.75"	(19.0)	.18"	(4.6)	White	1000
151-28710	**MB3A0C2**	MB3A			.75"	(19.0)	.75"	(19.0)	.18"	(4.6)	Black	100
151-28713	**MB3A0M4**	MB3A			.75"	(19.0)	.75"	(19.0)	.18"	(4.6)	Black	1000
151-28421	**MB4A10C2**	MB4A			1.12"	(28.0)	1.12"	(28.0)	.22"	(5.6)	White	100
151-00321	**MB4A10H4**	MB4A	T18 - T50	Adhesive	1.12"	(28.0)	1.12"	(28.0)	.22"	(5.6)	White	500
151-28403	**MB4A0C2**	MB4A			1.12"	(28.0)	1.12"	(28.0)	.22"	(5.6)	Black	100
151-28406	**MB4A0H4**	MB4A			1.12"	(28.0)	1.12"	(28.0)	.22"	(5.6)	Black	500
151-28529	**MB5A10C2**	MB5A			1.485"	(37.7)	1.485"	(37.7)	.275"	(6.9)	White	100
151-00427	**MB5A10F4**	MB5A	T18 - T150	Adhesive	1.485"	(37.7)	1.485"	(37.7)	.275"	(6.9)	White	250
151-28602	**MB5A0C2**	MB5A			1.485"	(37.7)	1.485"	(37.7)	.275"	(6.9)	Black	100
151-28605	**MB5A0F4**	MB5A			1.485"	(37.7)	1.485"	(37.7)	.275"	(6.9)	Black	250

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Mounting Bases - Acrylic Adhesive

Article No.	Part No.	Type	Cable Tie Series	Mounting	Length (L) in. (mm)	Width (W) in. (mm)	Height (H) in. (mm)	Color	Pkg. Qty.
4 - Way Screw Mount Acrylic Adhesive									
151-00331	**MB3A10A2C2**	MB3A			.75" (19.0)	.75" (19.0)	.18" (4.6)	White	100
151-28717	**MB3A10A2H4**	MB3A	T18, T30	Adhesive	.75" (19.0)	.75" (19.0)	.18" (4.6)	White	500
151-28711	**MB3A0A2C2**	MB3A			.75" (19.0)	.75" (19.0)	.18" (4.6)	Black	100
151-28709	**MB3A0A2H4**	MB3A			.75" (19.0)	.75" (19.0)	.18" (4.6)	Black	500
151-28420	**MB4A10A2C2**	MB4A			1.12" (28.5)	1.12" (28.5)	.23" (5.9)	White	100
151-00322	**MB4A10A2H4**	MB4A	T18 - T50	Adhesive	1.12" (28.5)	1.12" (28.5)	.23" (5.9)	White	500
151-28402	**MB4A0A2C2**	MB4A			1.12" (28.5)	1.12" (28.5)	.23" (5.9)	Black	100
151-28405	**MB4A0A2H4**	MB4A			1.12" (28.5)	1.12" (28.5)	.23" (5.9)	Black	500
151-28607	**MB5A10A2C2**	MB5A			1.485" (37.7)	1.485" (37.7)	.275" (6.9)	White	100
151-28610	**MB5A10A2F4**	MB5A	T18 - T150	Adhesive	1.485" (37.7)	1.485" (37.7)	.275" (6.9)	White	250
151-28600	**MB5A0A2C2**	MB5A			1.485" (37.7)	1.485" (37.7)	.275" (6.9)	Black	100
151-28604	**MB5A10A2F4**	MB5A			1.485" (37.7)	1.485" (37.7)	.275" (6.9)	Black	250

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Mounts

The CTM series is designed to provide stability to wire bundles. These mounts can accommodate miniature, intermediate, or standard cross-section cable ties. Each mount is secured with a single screw.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS
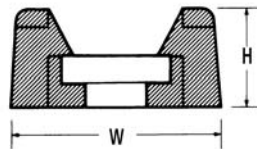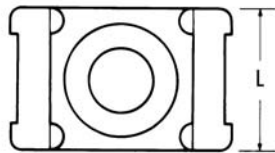
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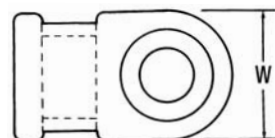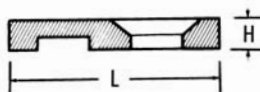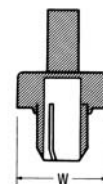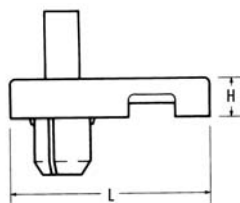| Product Selection													
					Length (L)		Width (W)		Height (H)				
Article No.	Part No.	Type	Cable Tie Series	Mounting	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
151-30303	**CTM010C2**	CTM0	T18 - T50	# 6 Screw	.578″	(14.68)	.375″	(9.52)	.266″	(6.76)	White	100
151-30305	**CTM010M4**				.578″	(14.68)	.375″	(9.52)	.266″	(6.76)	White	1000
151-30300	**CTM00C2**				.578″	(14.68)	.375″	(9.52)	.266″	(6.76)	Black	100
151-30301	**CTM00M4**				.578″	(14.68)	.375″	(9.52)	.266″	(6.76)	Black	1000
151-30404	**CTM110C2**	CTM1		# 8 Screw	.579″	(14.71)	.370″	(9.40)	.266″	(6.76)	White	100
151-30406	**CTM110M4**				.579″	(14.71)	.370″	(9.40)	.266″	(6.76)	White	1000
151-30400	**CTM10C2**				.579″	(14.71)	.370″	(9.40)	.266″	(6.76)	Black	100
151-30402	**CTM10M4**				.579″	(14.71)	.370″	(9.40)	.266″	(6.76)	Black	1000
151-30504	**CTM210C2**	CTM2			.857″	(21.77)	.605″	(15.37)	.372″	(9.45)	White	100
151-30506	**CTM210M4**				.857″	(21.77)	.605″	(15.37)	.372″	(9.45)	White	1000
151-30500	**CTM20C2**				.857″	(21.77)	.605″	(15.37)	.372″	(9.45)	Black	100
151-30501	**CTM20M4**				.857″	(21.77)	.605″	(15.37)	.372″	(9.45)	Black	1000
151-30605	**CTM310C2**	CTM3	T18 -T120	#10 Screw	.858″	(21.79)	.609″	(15.47)	.374″	(9.50)	White	100
151-30607	**CTM310M4**				.858″	(21.79)	.609″	(15.47)	.374″	(9.50)	White	1000
151-30600	**CTM30C2**				.858″	(21.79)	.609″	(15.47)	.374″	(9.50)	Black	100
151-30603	**CTM30M4**				.858″	(21.79)	.609″	(15.47)	.374″	(9.50)	Black	1000
151-30703	**CTM410C2**	CTM4		.25″ Screw	.864″	(21.95)	.616″	(15.65)	.372″	(9.45)	White	100
151-30705	**CTM410M4**				.864″	(21.95)	.616″	(15.65)	.372″	(9.45)	White	1000
151-30700	**CTM40C2**				.864″	(21.95)	.616″	(15.65)	.372″	(9.45)	Black	100
151-30702	**CTM40M4**				.864″	(21.95)	.616″	(15.65)	.372″	(9.45)	Black	1000

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Low Profile Cable Tie Mounts

Low profile mounts are intended for use in securing bundles where space is limited. Each mount is fastened with a single screw.

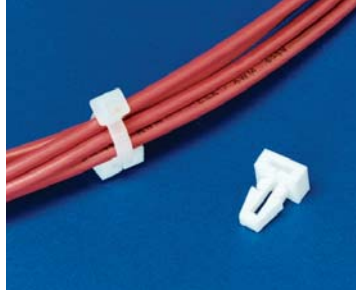| Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

File# E64139

Product Selection					Length (L)		Width (W)		Height (H)			
Article No.	Part No.	Type	Cable Tie Series	Mounting	in.	(mm)	in.	(mm)	in.	(mm)	Color	Pkg. Qty.
151-00226	**MB19C2**	MB1	T18	#2 Screw	.500″	(12.70)	.312″	(7.92)	.130″	(3.30)	Natural	100
151-00294	**MB19M4**				.500″	(12.70)	.312″	(7.92)	.130″	(3.30)	Natural	1000
151-00295	**MB10C2**				.500″	(12.70)	.312″	(7.92)	.130″	(3.30)	Black	100
151-00296	**MB10M4**				.500″	(12.70)	.312″	(7.92)	.130″	(3.30)	Black	1000
151-00227	**MB29C2**	MB2	T18 - T50	# 8 Screw	.807″	(20.50)	.490″	(12.45)	.130″	(3.30)	Natural	100
151-00297	**MB29M4**				.807″	(20.50)	.490″	(12.45)	.130″	(3.30)	Natural	1000
151-28210	**MB20C2**				.807″	(20.50)	.490″	(12.45)	.130″	(3.30)	Black	100
151-28202	**MB20M4**				.807″	(20.50)	.490″	(12.45)	.130″	(3.30)	Black	1000

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Low Profile Rivet Mounts

The low profile rivet mount is designed to secure wiring bundles and fastens with the drive rivet through a predrilled hole. This mount is ideal for use in applications where space is limited.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

Product Selection				Mounting Hole Ø	Max. Panel Thickness	Length (L)	Width (W)	Height (H)		
Article No.	Part No.	Type	Cable Tie Series	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	Color	Pkg. Qty.
151-27000	**LKCRF19C2**	LKCRF1	T18 - T50	.250″ (6.35)	.134″ (3.4)	.938″ (23.82)	.470″ (11.94)	.157″ (3.99)	Natural	100
151-27009	**LKCRF19H4**	LKCRF1		.250″ (6.35)	.134″ (3.4)	.938″ (23.82)	.470″ (11.91)	.157″ (3.99)	Natural	500

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Mounts

Push Mounts

Intended for use in a predrilled hole, this push mount accepts T18 through T50 series cable ties. Once inserted through the hole, the mount locks into place.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

(RoHS)

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File# E64139

Product Selection

Article No.	Part No.	Type	Cable Tie Series	Mounting Hole Ø in. (mm)	Max. Panel Thickness in. (mm)	Length (L) in. (mm)	Width (W) in. (mm)	Height (H) in. (mm)	Color	Pkg. Qty.
151-40106	**TM1SF10C2**	TM1SF		.25″ (6.3)	.134″ (3.4)	.616″ (15.65)	.401″ (10.19)	.181″ (4.60)	White	100
151-00328	**TM1SF10M4**	TM1SF	T18 - T50	.25″ (6.3)	.134″ (3.4)	.616″ (15.65)	.401″ (10.19)	.181″ (4.60)	White	1000
151-40100	**TM1SF0C2**	TM1SF		.25″ (6.3)	.134″ (3.4)	.616″ (15.65)	.401″ (10.19)	.181″ (4.60)	Black	100
151-40101	**TM1SF0M4**	TM1SF		.25″ (6.3)	.134″ (3.4)	.616″ (15.65)	.401″ (10.19)	.181″ (4.60)	Black	1000

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Push Button Mounts

The push button mounts are used where the back of the panel is accessible.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

(RoHS)

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File# E64139

Product Selection

Article No.	Part No.	Type	Cable Tie Series	Mounting Hole Ø in. (mm)	Max. Panel Thickness in. (mm)	Width (W) in. (mm)	Height (H) in. (mm)	Height (H2) in. (mm)	Color	Pkg. Qty.
151-00230	**PBM10C2**	PBM		.25″ (6.4)	.122″ (3.1)	.26″ (6.60)	.40″ (10.16)	.08″ (2.03)	White	100
151-00231	**PBM10M4**	PBM	T18 - T50	.25″ (6.4)	.122″ (3.1)	.26″ (6.60)	.40″ (10.16)	.08″ (2.03)	White	1000
151-00228	**PBM0C2**	PBM		.25″ (6.4)	.122″ (3.1)	.26″ (6.60)	.40″ (10.16)	.08″ (2.03)	Black	100
151-00229	**PBM0M4**	PBM		.25″ (6.4)	.122″ (3.1)	.26″ (6.60)	.40″ (10.16)	.08″ (2.03)	Black	1000

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Anchor Mounts

Cable ties may be inserted from any of the four sides of the CTAM. This feature allows the mount to be placed either parallel or perpendicular to the wires.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

File# E64139

Product Selection					Width (W)		Length (L)		Height (H)			
Article No.	**Part No.**	**Type**	**Cable Tie Series**	**Mounting**	**in.**	**(mm)**	**in.**	**(mm)**	**in.**	**(mm)**	**Color**	**Pkg. Qty.**
151-31103	**CTAM110C2**	CTAM1	T18 - T50	#8 screw	.400"	(10.16)	.800"	(20.32)	.200"	(5.08)	White	100
151-31106	**CTAM110M4**	CTAM1			.400"	(10.16)	.800"	(20.32)	.200"	(5.08)	White	1000
151-31101	**CTAM10C2**	CTAM1			.400"	(10.16)	.800"	(20.32)	.200"	(5.08)	Black	100
151-00287	**CTAM10M4**	CTAM1			.400"	(10.16)	.800"	(20.32)	.200"	(5.08)	Black	1000
151-31203	**CTAM210C2**	CTAM2		#10 screw	.400"	(10.16)	.800"	(20.32)	.200"	(5.08)	White	100
151-31205	**CTAM210M4**	CTAM2			.400"	(10.16)	.800"	(20.32)	.200"	(5.08)	White	1000
151-31201	**CTAM20C2**	CTAM2			.400"	(10.16)	.800"	(20.32)	.200"	(5.08)	Black	100
151-31202	**CTAM20M4**	CTAM2			.400"	(10.16)	.800"	(20.32)	.200"	(5.08)	Black	1000

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Anchor Plates

These plates have slotted mounting holes to provide for easier alignment of mount and bundles. Once aligned, they are fastened securely by tightening the applied screw. The CTAP2 allows an additional screw for maximum stability. Both plates are used perpendicularly to the wire bundle.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

File# E64139

Product Selection					Width (W)		Length (L)		Height (H)			
Article No.	**Part No.**	**Type**	**Cable Tie Series**	**Mounting**	**in.**	**(mm)**	**in.**	**(mm)**	**in.**	**(mm)**	**Color**	**Pkg. Qty.**
151-30100	**CTAP110C2**	CTAP1	T18 - T50	#10 screw	.50"	(12.7)	1.34"	(34.04)	.15"	(3.81)	White	100
151-00288	**CTAP110M4**	CTAP1			.50"	(12.7)	1.34"	(34.04)	.15"	(3.81)	White	1000
151-00289	**CTAP10C2**	CTAP1			.50"	(12.7)	1.34"	(34.04)	.15"	(3.81)	Black	100
151-00290	**CTAP10M4**	CTAP1			.50"	(12.7)	1.34"	(34.04)	.15"	(3.81)	Black	1000
151-30200	**CTAP210C2**	CTAP2			.50"	(12.7)	2.13"	(54.1)	.14"	(3.5)	White	100
151-00308	**CTAP210H4**	CTAP2			.50"	(12.7)	2.13"	(54.1)	.14"	(3.5)	White	500
151-00291	**CTAP20C2**	CTAP2			.50"	(12.7)	2.13"	(54.1)	.14"	(3.5)	Black	100
151-00292	**CTAP20M4**	CTAP2			.50"	(12.7)	2.13"	(54.1)	.14"	(3.5)	Black	500

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Mounts

Lashing Tie Mounts

The lashing tie mount is designed to snap into the T250 lashing tie. The tie head is assembled perpendicular to the mount. The strap is parallel to the mount when inserted into the head. The lashing tie mount is recommended for indoor or outdoor wall mount cable applications.
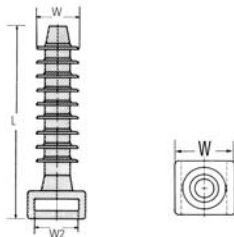
Material Data	
Material	**Polyamide 6.6 UV-resistant (PA66UV)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection

Article No.	Part No.	Type	Cable Tie Series	Mounting	Width (W) in. (mm)	Length (L) in. (mm)	Height (H) in. (mm)	Color	Pkg. Qty.
151-00358	**LTM2500C2**	LTM250	T250	.25" screw	.733" (18.62)	1.46" (37.08)	.378" (9.60)	Black	100
151-00293	**LTM2500H4**	LTM250			.733" (18.62)	1.46" (37.08)	.378" (9.60)	Black	500

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Masonry Mounts

Masonry mounts provide a permanent method of attaching wire and cable to masonry surfaces. HellermannTyton's masonry mounts simply tap into predrilled holes and can be used for indoor and outdoor applications.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Flammability	**UL94 V2**

RoHS

Product Selection

Article No.	Part No.	Type	Cable Tie Series	Mounting Hole Ø in. (mm)	Min. Depth in. (mm)	Length (L) in. (mm)	Width (W) in. (mm)	Width (W2) in. (mm)	Width (W3) in. (mm)	Color	Pkg. Qty.
151-29800	**MMB00C2**	MMB0	T18 - T50	.188" (4.7)	1.0 " (25.4)	1.185" (30.1)	.355" (9.02)	.218" (5.54)	.236" (5.99)	Black	100
151-00325	**MMB00M4**	MMB0		.188" (4.7)		1.185" (30.1)	.355" (9.02)	.218" (5.54)	.236" (5.99)	Black	1000
151-00116	**MMB.50C2**	MMB.5		.25" (6.25)		1.244" (31.60)	.375" (9.53)	.220" (5.59)	.308" (7.82)	Black	100
151-30001	**MMB.50M4**	MMB.5		.25" (6.25)		1.244" (31.60)	.375" (9.53)	.220" (5.59)	.308" (7.82)	Black	1000
151-00326	**MMB10C2**	MMB1		.312" (8.0)	1.5" (38.10)	1.71" (43.49)	.508" (12.9)	.374" (9.50)	.362" (9.19)	Black	100
151-00327	**MMB10H4**	MMB1		.312" (8.0)		1.71" (43.49)	.508" (12.9)	.374" (9.50)	.362" (9.19)	Black	500

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Mounting Plates

Allowing multiple cables to be run in parallel, these mounting plates are secured with two screws. The cables are attached to the mounting plate by using a cable tie through any combination of the available slots.

Material Data	
Material	**Polyamide 6.6 (PA66)**
Operating Temperature	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Color	**Natural**
Flammability	**UL94 V2**
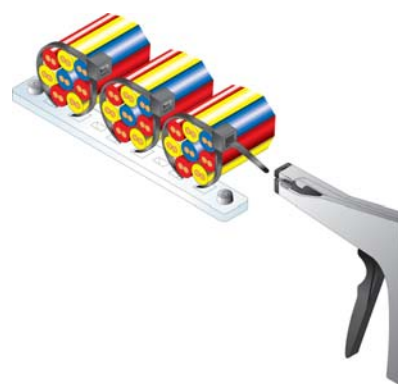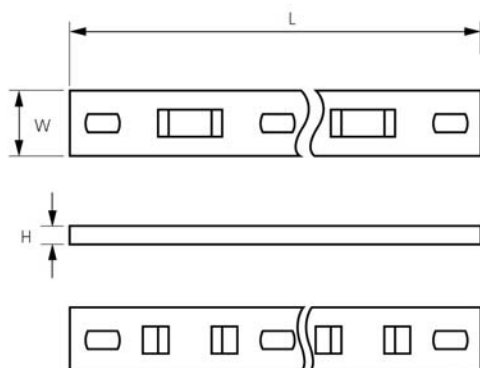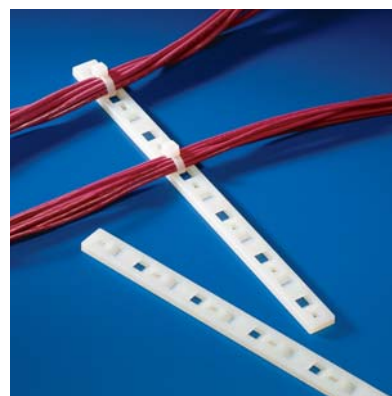
RoHS

Product Selection					Width (W)		Length (L)		Height (H)		
Article No.	Part No.	Type	Cable Tie Series	Mounting	in.	(mm)	in.	(mm)	in.	(mm)	Pkg. Qty.
154-00000	**MP1M3.NN3P**	MP1M3		# 6 (M3) screw	.50″	(12.7)	1.75″	(44.4)	.125″	(3.2)	100
154-00100	**MP1M5.NN3P**	MP1M5		#10 (M5) screw	.50″	(12.7)	1.75″	(44.4)	.125″	(3.2)	100
151-24219	**MP2M3.NN3P**	MP2M3		# 6 (M3) screw	.50″	(12.7)	3.00″	(76.2)	.125″	(3.2)	100
154-00300	**MP2M5.NN3P**	MP2M5		#10 (M5) screw	.50″	(12.7)	3.00″	(76.2)	.125″	(3.2)	100
151-24319	**MP3M3.NN3P**	MP3M3		# 6 (M3) screw	.50″	(12.7)	4.25″	(108.0)	.125″	(3.2)	100
154-00500	**MP3M5.NN3P**	MP3M5		#10 (M5) screw	.50″	(12.7)	4.25″	(108.0)	.125″	(3.2)	100
151-24419	**MP4M3.NN3P**	MP4M3	T18 - T50	# 6 (M3) screw	.50″	(12.7)	5.50″	(139.8)	.125″	(3.2)	100
154-00700	**MP4M5.NN3P**	MP4M5		#10 (M5) screw	.50″	(12.7)	5.50″	(139.8)	.125″	(3.2)	100
151-24519	**MP5M3.NN3P**	MP5M3		# 6 (M3) screw	.50″	(12.7)	6.75″	(171.6)	.125″	(3.2)	100
154-00900	**MP5M5.NN3P**	MP5M5		#10 (M5) screw	.50″	(12.7)	6.75″	(171.6)	.125″	(3.2)	100
154-00018	**MSMP5/69C2**	MSMP5/6		# 6 (M3) screw	.618″	(15.7)	8.08″	(205.3)	.21″	(5.33)	100
154-01200	**MSMP5/109C2**	MSMP5/10		#10 (M5) screw	.618″	(15.7)	8.08″	(205.3)	.21″	(5.33)	100
154-01302	**MSMP6/69C2**	MSMP6/7		# 6 (M3) screw	.618″	(15.7)	9.58″	(243.3)	.21″	(5.33)	100
154-01300	**MSMP6/109C2**	MSMP6/10		#10 (M5) screw	.618″	(15.7)	9.58″	(243.3)	.21″	(5.33)	100

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Mechanical Cable Tie Tools

T150
T250

TWT1

TWT2

MK9

MK7

MK7HT

MK9HT

Ranging from the high performance Mark 7 and Mark 9 series tools to pocket-sized twist tools, HellermannTyton offers a range of mechanical tools which can be used with any HellermannTyton cable tie. When using these tools, the cable tie is hand applied and then manually tensioned and cut-off, without the use of an extraneous power source.

MARK 7 AND MARK 9 TOOLS

Specifically developed for maximum ergonomic and performance values, the Mark 7 and Mark 9 series tools combine reduced hand effort and durable components to ensure efficient assembly and a longer life cycle. The Mark 7 tools are used with T18 through T50 series HellermannTyton cable ties. The Mark 9 tools can be used with nearly every HellermannTyton cable tie. Able to accommodate ties to .530" in width, the Mark 9 is used with HellermannTyton's T18 series cable ties to the heavy duty ties, including the T250 series, Wide Strap series and EL-TY. High tension versions of both the Mark 7 and Mark 9 tools (MK7HT and MK79HT) offer the same design features as their standard counterparts but with higher cut-off tension capabilities. The Mark 9 and Mark 7 high tension tools both offer a 5/8" stroke.

MK7 & MK9

Mark 7 and Mark 9 Features

– An easy to read display speeds adjustment and verification.

– Thumb tab on larger tension knob for easy adjustment.

– On the Mark 7, a larger knob sets the three variable tension levels (minimum, intermediate, and standard). The smaller knob fine tunes within the tension range.

– The larger knob on the Mark 9 sets to two variable tension levels (standard and heavy). The smaller knob fine tunes the tension setting.

– Housings are manufactured from a high impact, glass reinforced nylon.

– A double wall linkage adds more strength.

– Tough chromium steel components ensure longevity.

– MK7 & MK9 are military specified.

– Single and dual lock-out features available for tensioning ranges.

– Cable tie tension and cut-off tools reduce operator fatigue and speed assembly.

– The Mark 7 features a one inch stroke, while the Mark 9 has a 5/8 inch stroke. Both reduce trigger cycles required to install cable ties.

– Ergonomic design on both tools ideally fit the operator's hand. Removable padded hand grips further reduce impact to the hand.

– Low friction bearing mechanisms reduce hand effort and provide a smooth stroke.

– Extremely light, the Mark 7 weighs only 10 ounces. The Mark 9 weighs just 13 ounces.

– Quick tension adjustability for flush cut-off.

MK7

Mark 7 Tool

Product Selection

Article No.	Part No.	Type	Description	Cable Tie Series	Pkg. Qty.
110-07500	**MK7**	MK7	Durable and lightweight, the Mark 7 tool is user friendly and adjustable, with top-of-the-line design features.	T18 thru T50 Series CTT20 thru CTT60 Series	1
110-07000	**MK7HT**	MK7HT	The Mark 7 High Tension tool has the same design features as the MK7, although this tool offers an increased tension range.	T30 thru T50 Series CTT20 thru CTT60 Series	1
110-08000	**MK7LK**	MK7LK	The Mark 7 Lock-Out tool has the same design features as the MK7, although this tool offers complete lock-out of tension settings.	T30 thru T50 Series CTT20 thru CTT60 Series	1
110-00448	**MK7BLADEKIT**	MK7BLADEKIT	Service kit for MK7 tool includes replacement blade, screw for nose piece, and instruction card.		1
110-00449	**MK7-449**	MK7-449	Replacement blade for MK7 series tools.		1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.
Minimum order quantity for the MK7-449 is 5.

Cable Tie Tools

Mark 9 Tool

MK9

MK9SST

Product Selection					
Article No.	Part No.	Type	Description	Cable Tie Series	Pkg. Qty.
110-09500	**MK9**	MK9	The Mark 9 tool has the same design features as the MK7 series tools. The MK9 accommodates heavy duty cable ties.	T18* thru T250 Series CTT20 thru CTT175 Series EL-TY Series Wide Strap Series	1
110-09000	**MK9HT**	MK9HT	The Mark 9 High Tension tool has the same design features as the MK9, but offers an increased tension range.	T18* thru T250 Series CTT20 thru CTT175 Series EL-TY Series Wide Strap Series	1
110-09700	**MK9RE**	MK9RE	The MK9 Rounded Edge tool has the same design features as the MK9 although it has a special nose piece that leaves a 2mm round tail.	T18* thru T250 Series CTT20 thru CTT175 Series EL-TY Series Wide Strap Series	1
110-09600	**MK9REF**	MK9REF	The Mark 9 Reduced Effort tool has a reduced effort trigger mechanism for operators with small hands. It has a shorter pawl stroke.	T18* thru T250 Series CTT20 thru CTT175 Series EL-TY Series Wide Strap Series	1
110-95000	**MK9SST**	MK9SST	Adapted for use with stainless steel ties, the MK9 Stainless Steel tool retains the same design features as the MK9 series. The MK9SST accommodates all HellermannTyton stainless steel ties.	All MBT Series for both 304 and 316 materials	1
110-00220	**MK9BLADEKIT**	MK9BLADEKIT	Service kit for the MK9 tool includes replacement blade, screw for nose piece, and instruction card.		1
110-00221	**MK9-221**	MK9-221	Replacement blade for MK9 series		1
110-05114	**MK9SS-114**	MK9SS-114	Replacement blade for MK9SST series tools		1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes. * Does not include T18S series ties .08" wide.

Other Mechanical Cable Tie Tools

Product Selection					
Article No.	Part No.	Type	Description	Cable Tie Series	Pkg. Qty.
110-21000	**TWT1**	TWT	The TytonTwyster is a lightweight and economical twist tool. Offers speed and efficiency. Fits into a pocket. (Color Orange)	T18 thru T50 Series CTT20 thru CTT60 Series	1
110-22000	**TWT2**	TWT	The TytonTwyster is a lightweight and economical twist tool. Offers speed and efficiency. Fits into a pocket. (Color Blue)	T120 thru T150 Series CTT175 Series	1
110-11150	**T150**	T150	The T150 Tool is a heavy duty installer controlled tool for use in the field. Pliers action provides mechanical advantage. Padded foam grip handles provide comfort and control.	T150 Series CTT175 Series	1
110-11250	**T250**	T250	The T250 has the same design features as the T150 Tool, but can tension and cutoff a wider tie.	T150 thru T250 Series CTT175 Series	1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Power Assisted Cable Tie Tools

HellermannTyton's Mark 7 and Mark 9 power assisted (MK7P & MK9P) tools utilize pneumatic power to tension and cut-off HellermannTyton cable ties. The MK7P and MK9P tools feature an ergonomic design while offering time/labor savings and ease of use benefits derived from pneumatic power. These tools feature a non-slip, comfortable grip, soft touch trigger, and one touch tensioning/cut-off capability. HellermannTyton's pneumatic cable tie tools are lightweight, high performance, and suited for extended use.

Product Features

- Ergonomic

The ergonomic design of the pneumatic cable tie tools incorporates a comfortable grip, low weight, and easy trigger depression to reduce installer effort and strain while installing cable ties.

MK9P

- Operation

MK7P & MK9P speed assembly. Just one pulse of the soft touch trigger assembly actuates an immediate tension and cut-off of the cable tie.

- Cable tie waste is ejected to the side after the cable tie is applied,ensuring smooth operation of the tool.
- Uses dry or lubricated air.
- Operates between 90 PSI and 105 PSI maximum.
- Supplied with a 6 inch lead which comes with a male quick connect fitting with a female coupler for 1/8″ flow.

- Design

HellermannTyton's pneumatic tools are manufactured with tough, chromium steel components and high impact, glass reinforced nylon housings for maximum durability.

- Tensioning

An easy to read indicator verifies tension settings. The tools feature an easy dial-in tension adjustment, along with a lock-out capability. The tension adjustment on the MK7P and the MK9P is designed with an operator friendly, positive "click" design for easy use. The tension can readily be locked out to allow the tension adjustment to remain at a constant setting that can only be changed by approved personnel. The fine adjust tension knob has an unique lever feature used to reduce adjustment torque.

Mark 7 Pneumatic

The Mark 7 Pneumatic (MK7P) is built to perform in demanding production and manufacturing environments. Heavy duty precision parts ensure repeatability in the tensioning process. The MK7P fits comfortability in the operator's hand, reducing hand, arm and wrist fatigue. Due to its ergonomic features, HellermannTyton's MK7P makes it easier for the installer to consistently apply cable ties while maintaining correct tension and flush cut-off. Safety is enhanced, as the MK7P can eliminate sharp edges of a cut-off cable tie.

MK7P

Material Data	
Power Supply	**Dry or lubricated air**
Cycle Time	**4 strokes per second**
Weight	**16oz**
Pawl Travel Stroke	**1.0" (2.54 cm)**
Tension Force	**60 to 170 N, adjustable**

Product Selection					
Article No.	Part No.	Type	Description	Cable Tie Series	Pkg. Qty.
110-07101	**MK7P**	MK7P	Includes Mark 7 Pneumatic tool and quick connect fittings. Ergonomic tool uses pneumatic power and accomplishes rapid tension and cut-off with one trigger depression.	T18 thru T50 Series CTT20 thru CTT60 Series	1
110-07111	**MK7P-342**	Replacement Blade	MK7P Replacement Blade		1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Minimum order quantity for MK7P-342 is 5.

MK9 Pneumatic

The Mark 9 Pneumatic (MK9P) is constructed with heavy duty parts to ensure that it performs optimally in demanding environments. It is ideally designed to apply heavy-duty ties (T50-T250), clamp and button head ties.

Like the MK7P, HellermannTyton's MK9P incorporates the next level of ergonomic improvement with its low weight, comfortable grip and easy trigger depression. Very durable, the pneumatic MK9P features adjustable, easy to read tension settings. Lock-out features are available.

The MK9P is available with lower air attachment (standard) or can be ordered with an upper air attachment.

MK9PUA (Upper Air)

MK9P

Material Data	
Power Supply	**Dry or Lubricated Air**
Cycle Time	**2 strokes per second**
Weight	**32oz**
Pawl Travel Stroke	**1.25" (3.175 cm)**
Tension Force	**60 to 170 N, adjustable**

Product Selection					
Article No.	Part No.	Type	Description	Cable Tie Series	Pkg. Qty.
110-09101	**MK9P**	MK9P	Includes Mark 9 Pneumatic tool and quick connect fittings. Included is a 1/8" flow quick disconnect fitting and a 10" whip and 1/8" make fitting. Ergonomic tool uses pneumatic power and accomplishes rapid tension and cut-off with one trigger depression.	T50 thru T250 Series CTT20 thru CTT175 Series EL-TY Series Button Head Ties	1
110-09112	**MK9PUA**	MK9P	Includes Mark 9 Pneumatic tool with upper air option for top air connection. Supplied with a 1/8" flow quick disconnect fitting and a 10" whip and 1/8" quick disconnect fitting. Includes a hanger for an optional overhead tool balancer (not included). Ergonomic tool uses pneumatic power and accomplishes rapid tension and cut-off with one trigger depression.	T50 thru T250 Series CTT20 thru CTT175 Series EL-TY Series Button Head Ties	1
110-09111	**MK9P-109**	MK9P-109	MK9P Replacement Blade		1**

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

**Minimum order quantity of MK9P-109 is 5.

Common Accessories for MK7P and MK9P

HellermannTyton offers a portable kit that incorporates carbon dioxide (CO_2) as the primary air source. This unique feature will allow for greater flexibility and the elimination of air line to the tool.

Product Selection				
Article No.	Part No.	Type	Description	Pkg. Qty.
110-09002	**MKPC0KIT**	MKPC0KIT	MKPC0KIT is a complete kit that includes the belt, holster, hose/regulator, pouch and 16oz air tank.	1
110-09003	**MKPCOTANK**	MKPCOTANK	Standard 16oz air tank for C02 air supply to tool.	1
110-09004	**MKPCOTANK20**	MKPCOTANK20	Special 20oz canister tank for C02 feature.	1
110-09005	**MKPCOHOSE**	MKPCOHOSE	Hose attachment from air tank to the tool with regulator.	1
110-09006	**MKPCOBELT**	MKPCOBELT	Adjustable belt for air tank and pouch and tool holster for MK7P or MK9P tools.	1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Automatic Cable Tie Systems

HellermannTyton's automatic cable tie tool systems are compact, fast, reliable, and versatile, accommodating a variety of wiring harness, and bundling and securing requirements. These tool systems are designed to provide significant labor and cost savings through process improvements, lower installed costs and greater consistency, quality and ergonomic benefits.

Product Features

- Fast

Cable ties are installed quickly with one easy trigger depression, increasing productivity while decreasing labor costs.

- Reliable

HellermannTyton's automatic cable tie systems have been tested to perform extremely consistently without interruption to work flow.

- Ergonomic

The ergonomic design of the automatic cable tie tool systems feature a comfortable grip, low weight, and easy trigger depression to reduce installer effort and strain while installing cable ties.

- Easy to Use - Providing Valuable Operator Feedback

Equipped with a self-diagnostic LED information panel, the automatic cable tie systems easily guide the user through the cycles of cable tie installations.

ATS3080

- Automation

The automatic cable tie systems can be implemented into fully automated applications to further increase productivity and decrease labor costs.

- Flexible Manufacturing/Versatility

HellermannTyton's automatic cable tie tool systems support principles of flexible manufacturing requirements and environments. The systems can be used in handheld, bench mount and overhead assembly configurations. The versatile overhead assembly option provides the ultimate integration to the customer's manufacturing area. HellermannTyton's automatic tools are powered by a standard 110 AC 24V (AT2000) and 110 AC 27 V (AT2060) electrical outlet that converts to a low DC voltage to the tool. All power systems offer the installer the mobility needed to tackle different harnessing requirements.

- Uniform Fastening Quality

HellermannTyton's automatic cable tie systems feature adjustable tension control to deliver consistent levels of cable tie fastening.

- Range

HellermannTyton offers the widest range of automatic cable tie tool systems which cover cable tie tensile strengths of 18, 30, and 50 pounds with bundle diameters between 1/16" to over 3".

An LED panel shows the status of the tool.

Product Selection

Article No.	Part No.	Max. Ø Bundle
120-00000	AT2000	.75" (20 mm)
103-00000	AT2060	1.25" (31 mm)
102-00000	ATS3080	3.14" (80 mm)

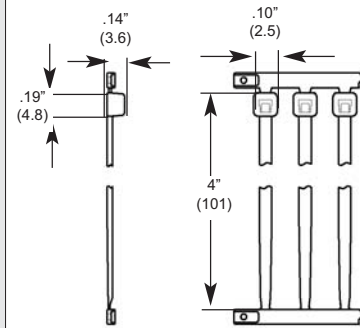## AT2000
For bundles up to 3/4"

HellermannTyton's AT2000 completely installs cables ties on bundles up to 3/4"
in diameter. This automatic cable tie tool is highly reliable and offers ergonomic
benefits including low weight, easy trigger depression, a comfortable hand grip
and correct balance—all which reduce operator strain. The AT2000 possesses
an LED panel which makes it easier to maintain and operate the tool.

AT2000 Technical Specifications	
Power Supply	**Electrical, with Power Pack or Battery Pack**
Cycle Time	**0.8 s**
Weight	**2.6lbs**
Installation	**Handheld, bench mount or overhead**
Tension Force	**Adjustable**

AT2000 Cable Tie Specifications	
Operating Temperature	
Natural Polyamide 6.6	**-40 °F to +185 °F (-40 °C to +85 °C) continuous**
Heat stabilized, black Polyamide 6.6	**-40 °F to +221 °F (-40 °C to +105 °C) continuous**
Natural, Stanyl Polyamide 4.6	**-40 °F to +275 °F (-40 °C to +135 °C) continuous**
Reel Diameter	**17.7 " (450)**
Reel Width	**5.20 " (132)**

RoHS

.14" (3.6)   .10" (2.5)
.19" (4.8)   4" (101)

AT2000 Cable Ties

c**UL**us

File# E64139

Product Selection						
				Min. Tensile Strength	Max. Ø Bundle	
Article No.	Part No.	Type	Description	lbs. (N)	in. (mm)	Pkg. Qty.
120-00000	**AT2000**	Autotool 2000	Includes AT2000 tool, power supply, power cord, tool cord, and manual			1
120-00060	**120-00060**	Control Box	Control Box for linking AT2000 to automation			1
Natural Cable Ties						
120-40009	**T18RA50**	T18RA50-N66-NA	Cable ties on bandolier for use with the AT2000	18 lbs (80)	.75" (20)	20,000 per carton includes: 50 per bandolier 500 per package
120-46009	**T18RA3500**	T18RA3500-N66-NA	Cable ties on reel for use with the AT2000	18 lbs (80)	.75" (20)	14,000 per carton includes: 3,500 per reel 4 reels per carton
120-05009	**T18RA5000**	T18RA5000-N66-NA	Cable ties on reel for use with the AT2000	18 lbs (80)	.75" (20)	10,000 per carton includes: 5,000 per reel 2 reels per carton
Black, Heat Stabilized Cable Ties						
120-40010	**T18RA50HSW**	T18RA50-HSW-BK	Cable ties on bandolier for use with the AT2000	18 lbs (80)	.75" (20)	20,000 per carton includes: 50 per bandolier 500 per package
120-05010	**T18RA5000HSW**	T18RA5000-HSW-BK	Cable ties on reel for use with the AT2000	18 lbs (80)	.75" (20)	10,000 per carton includes: 5,000 per reel 2 reels per carton
Natural, Stanyl Cable Ties						
120-04609	**T18RA5000HR**	T18RA5000HR-N46	Cable ties on reel for use with the AT2000	18 lbs (80)	.75" (20)	10,000 per carton includes: 5,000 per reel 2 reels per carton

V/O rated ties can be made available for the AT2000. Various tie colors available upon request (Contact HellermannTyton for lead time). Dimensions are
approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

For information on AT2000's Bench Mount System and Overhead Suspension Assembly see page 75–76.

For information on Wire Retainers for Harness Boards and AT2000's battery pack see page 77.

Cable Tie Tools

AT2060

HellermannTyton's AT2060 automatically installs cable ties for bundles up to 1-1/4". The many ergonomic benefits include easy trigger depression and low weight that reduces operator effort and strain. Operation and maintenance of the tool are enhanced by the self-diagnostic LED panel located on the AT2060.

AT2060 Technical Specifications	
Power Supply	**Electrical**
Cycle Time	**1.2 seconds**
Weight	**3.9lbs**
Pawl Travel Stroke	**1.25" (3.175 cm)**
Tension Force	**Adjustable**

AT2060 Cable Tie Specifications	
Operating Temperature	
Natural Polyamide 6.6	**-40 °F to +185 °F (-40 °C to +85 °C)**
Heat stabilized, black, Polyamide 6.6	**-40 °F to +221 °F (-40 °C to +105 °C)**
Reel Diameter	**17.7 " (450)**
Reel Width	**7.197 " (182.8)**
Reel Weight	**7 lbs**

RoHS
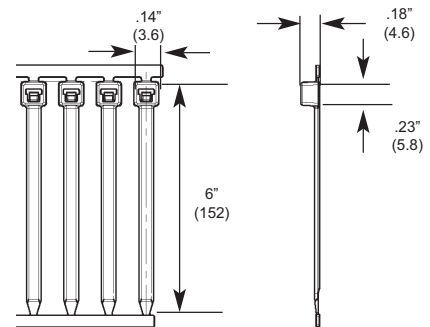
.14" (3.6)   .18" (4.6)   .23" (5.8)   6" (152)

Product Selection				Min. Tensile Strength	Max. Ø Bundle	
Article No.	Part No.	Type	Description	lbs. (N)	in. (mm)	Pkg. Qty.
103-00000	**AT2060**	AT2060	Includes AT2060 tool, power supply, power cord, tool cord, and maintenance and operation manual.			1

Natural Cable Ties

103-00002	**T30RA30**	T30RA	Cable ties on a bandolier for use with the AT2060 tool	30 lbs (133.44)	1.25" (31)	6,000 per carton includes: 30 per bandolier 600 per bag
103-00001	**T30RA3000**	T30RA3000	Cable ties on a reel for use with the AT2060 tool	30 lbs (133.44)	1.25" (31)	6,000 per carton includes: 3,000 per reel 2 reels per carton

Black, Heat Stabilized Cable Ties

103-00003	**T30RA300HS**	T30RA	Cable ties on a bandolier for use with the AT2060 tool	30 lbs (133.44)	1.25" (31)	6,000 per carton includes: 30 per bandolier 600 per bag
103-00004	**T30RA30000HS**	T30RA	Cable ties on a reel for use with the AT2060 tool	30 lbs (133.44)	1.25" (31)	6,000 per carton includes: 3,000 per reel 2 reels per carton

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes. V/O rated ties and 4/6 ties for high temperatures can be made available for the AT2060. Various colors available upon request (Contact HellermannTyton for lead time).

For information on AT2060's Bench Mount System and Overhead Suspension Assembly see page 75–76

For information on Wire Retainers for Harness Boards see page 77

AT2000 & AT2060 Bench Mount System

HellermannTyton offers a portable bench mount system which works with the AT2000 and AT2060 tool systems. It is extremely easy to set up and use. Within seconds, the AT2000 or the AT2060 can be converted from a handheld tool to a bench mount system. With the touch of the foot pedal, the cable tie is applied.

AT2000 and AT2060 Bench Mount System

Product Selection				
Article No.	**Part No.**	**Type**	**Description**	**Pkg. Qty.**
120-00040	**AT2BENCHMOUNT**	Bench Mount Kit	Includes foot pedal, tie reel stand and tool mounting stand	1

Use **Part No.** for ordering and **Type** for specification purposes.

AT2000 or AT2060 Overhead Suspension Assembly

HellermannTyton's overhead suspension assembly system holds the AT2000 or AT2060, reel of cable ties, and power source. The overhead assembly is available in several configurations in a variety of mounting options and is easily integrated into various manufacturing environments. The modular design allows for easy additions or modifications of the system design.

The overhead assembly system provides additional ergonomic advantages to the AT2000 and AT2060. The system features overhead hanging, a trolley slide which allows for mobility within the frame, and an adjustable counter balance. These features allow for low operator strain and easy use. Since the assembly integrates the automatic cable tie systems and reel of ties, continuous feed is achieved. Reloading of cable ties is greatly reduced, further optimizing efficiencies.

The picture shows just one configuration of an overhead assembly.

The HellermannTyton team of tool systems specialists will assist in the custom design of a system to specially accommodate individual manufacturing sites and production needs. The modular features and inherent ergonomic benefits improve production and make operation more efficient.

Contact HellermannTyton for more information. Fasteners for unit assembly are included. Permanent mounting fasteners are not included.

Mobile Trolley Unit Configuration

AT2000 Battery Pack

HellermannTyton's battery pack powers the AT2000 and is worn by the operator, allowing for complete mobility.

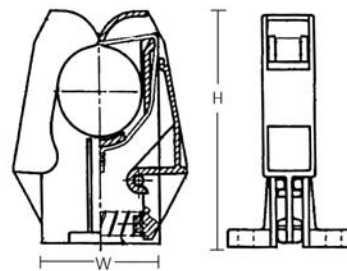| Product Selection				
Article No.	**Part No.**	**Type**	**Description**	**Pkg. Qty.**
120-00030	**AT06500030**	Battery Pack	Battery with belt clip and connector cord	1
120-00010	**AT06500020**	Battery Charger	Charging unit for battery	1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Wire Retainer for Harness Boards

Designed for use in harness board assemblies, these wire retainers stand-off wire and cable bundles for easier cable tie application. Wires are individually inserted, and bundles are preformed, making harnessing easier.
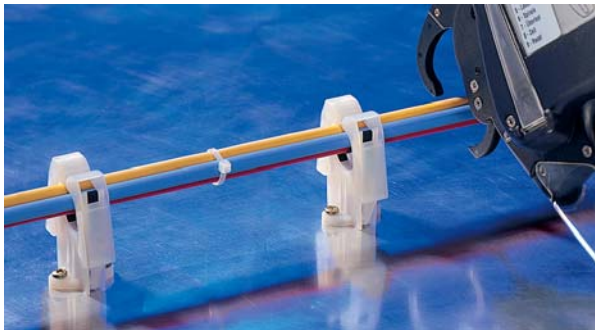
Wire Retainer for Harness Boards

Product Selection				Height (H)	Width (W)	Max. Ø Bundle	
Article No.	**Part No.**	**Type**	**Description**	**in. (mm)**	**in. (mm)**	**in. (mm)**	**Pkg. Qty.**
120-00080	**HH-20**	HH20	Harness Board Assembly	2.12 " (54)	1.22" (31)	.83" (20)	25

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

AutoTool System 3080
For bundles up to 3.14"

HellermannTyton's ATS3080 automatically installs cable ties for bundles up to 3.14" in diameter with one trigger depression. This innovative system utilizes strap and closures (ordered separately) to achieve a waste free system. The ATS3080 uses only the required strap length required for the diameter. The strap is outside serrated so that it will not damage sensitive wire and cable bundles.

This well balanced tool has ergonomic benefits that include low weight and a comfortable hand grip which reduces operator strain and injury while installing cable ties. The ATS3080 possesses a LED panel that provides critical operational feedback that makes it easier to maintain and operate the tool.

The ATS3080 has three jaw diameters available; 1.18" (30mm), 1.96" (50mm), and 3.14" (80mm). The jaws are easily interchanged and further tool adjustment between the three jaw diameters is unnecessary.

ATS3080 Technical Specifications	
Power Supply	**Electrical**
Cycle Time	**approx. 1.3 sec. (50 mm jaw)**
Weight	**3.2lbs**
Installation	**Mobile, bench mount or overhead**
Tension Force	**Adjustable**

Closures and strap for ATS3080

ATS3080 Cable Tie Specifications		RoHS
Material	**Polyamide 6.6 high impact modified, heat and UV stabilized (PA66HIRHSUV)**	
Operating Temperature	**-40 °C to +95 °C continuous, (+105 °C for 5000 h)**	
Flammability	**UL94 HB**	
Strap Reel Dimensions		
Reel Diameter	**15.25" (387 mm)**	
Reel Width	**3.5" (88.9 mm)**	
Reel Weight	**6lbs (2.72 kg)**	
Closure Reel Dimensions		
Reel Diameter	**15.25" (387 mm)**	
Reel Width	**3.5" (88.9 mm)**	
Reel Weight	**3.5lbs (1.58 kg)**	

ATS3080 with mobile trolley unit

ATS3080 with overhead

ATS3080 with bench mount

.047"
(1.2)

.177"
(4.5)

Strap ATS3080

.354"
(9)

.212"
(5.4)

.314"
(8)
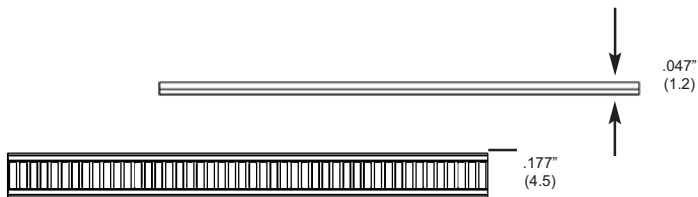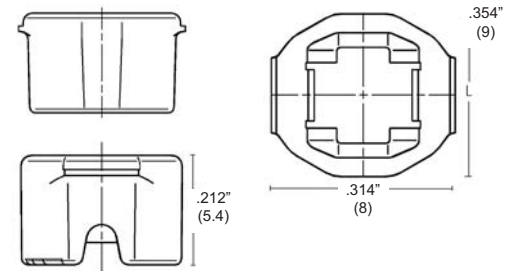
Closures ATS3080

Product Selection

Article No.	Part No.	Type	Description	Min Tensile Unlocking Strength (lbs)	Pkg. Qty. ft. (m)
102-00000	**ATS3080**	ATS3080	Includes ATS3080 tool, power cord, tool cord, and maintenance and operation manual. Does not include power supply.		1
102-00010	**ATS10200010**	Power Pack ATS3080	Power Supply Unit for ATS3080 Input: 230/115 VAC, 50-60 Hz Output: 48 VDC, max. 50W		1
Natural Strap and Closures					
102-66109	**ATS10266109**	Strap Natural ATS3080	ATS3080 Strap	50 lbs	1640 ft. (500)
102-66209	**ATS10266209**	Closures Natural ATS3080	ATS3080 Closure	50 lbs	5000 pcs
Black Strap and Closures					
102-66110	**ATS10266110**	Strap Black ATS3080	ATS3080 Strap	50 lbs	1640 ft. (500)
102-66210	**ATS10266210**	Closures Black ATS3080	ATS3080 Closures	50 lbs	5000 pcs
102-00040	**ATS10200040**	Bench Mount Kit	Bench Mount Kit for ATS 3080 Integrated pneumatic system that coordinates tool and reels. Foot pedal application, other actuation options available		1
102-00050	**ATS10200050**	Overhead Suspender	Overhead Suspender ATS 3080		1
102-00030	**ATSTROLLEY**	Trolley ATS 3080	Trolley		1

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Cable Tie Tools

Quick Tool

HellermannTyton's Quick Tool is an automatic bench mount system suited for high volume cable tie applications. This air powered tool accommodates a reel of 5,000 ties and, like HellermannTyton's other automated systems, can be integrated into further automation as well as fully incorporated into conveyor or assembly line applications.

Product Features
- The system is a one piece, bench top unit which increases efficiency through quick and reliable fastening.
- It can be installed where a 110 VAC electrical outlet and pneumatic air source are available.
- Provides consistent fastening tension.
- Controls fastening tension.
- Ties are available in two styles: standard and heat stabilized.
- Custom colors for Quick Tool ties are also available. Contact HellermannTyton for more information.

QS101 Cable Tie Specifications	
Operating Temperature	
Natural Polyamide 6.6	**-40 °F to +185 °F (-40 °C to +85 °C)**
Heat stabilized, black, Polyamide 6.6	**-40 °F to +221 °F (-40 °C to +105 °C)**
Reel Diameter	**18" (457 mm)**
Reel Width	**5.20" (132 mm)**
Reel Weight	**4.8 lbs (2.18 kg)**

RoHS

QS101 Technical Specifications	
Max. Ø Bundle	**0.630" (16.00 mm)**
Wattage	**70W**
Power Supply	**Electrical/Pneumatic Power**
Cycle Time	**1.2 Seconds**
Weight	**40 lbs.**
Installation	**Bench**
Tension Force	**Adjustable (9.92 lbs - 19.84 lbs)**

Product Selection								
				Min Tensile Unlocking Strength	**Max. Ø Bundle**	**Width (W)**	**Length (L)**	
Article No.	Part No.	Type	Description	(lbs)	in. (mm)	in. (mm)	in. (mm)	Pkg. Qty.
105-00000	**QS101**	QS101	Includes Quick Tool, power cord, maintenance and operation manual and foot pedal.					1
Natural Cable Ties								
105-00006	**QTTIE9**	QTTIE9	Cable ties on reel for use with the Quick Tool.	18	.63 " (16)	.10 " (2.5)	4.0 " (101)	10,000 per carton: 5,000 per reel 2 reels per carton
Black Heat Stabilized Cable Ties								
105-00001	**QTTIEOHS**	QTTIE0HS	Cable ties on reel for use with the Quick Tool.	18	.63 " (16)	.10 " (2.5)	4.0 " (101)	10,000 per carton: 5,000 per reel 2 reels per carton

Dimensions are approximate and subject to technical changes. Use **Part No.** for ordering and **Type** for specification purposes.

Various colored cable ties available upon request. Contact HellermannTyton for more information and lead times.