



Detectable Products

For Food, Beverage and Pharmaceutical



Contamination isn't an option

In industries like food, beverage and pharmaceuticals, manufacturers are held to the utmost standards for safety. It's a promise to consumers, and breaking that promise can have dire consequences.

Contamination results in product loss, production line stoppages, product recalls, a tarnished reputation – and financial damages. With media reporting at the fingertips of almost every consumer, brands can suffer immediate and sometimes irrevocable harm.

That's why you partner with an experienced professional

HellermannTyton was the first to manufacture specialized, detectable cable ties. These products are just a part of the industry's finest wire management solutions, from cable ties to labeling, protective sheathing to tools.

Our level of expertise in this area means your best assurance of contamination traceability and visibility to prevent costly losses.

- The majority of our detectable materials comply with the United States FDA as specified under Title 21 of the CFR.
- High-grade materials are impregnated with metal particles for X-ray and metal detection; polypropylene floats to the surface of liquids for easy visibility; ETFE, PVDF and stainless steel for chemical resistance and ease of cleaning.
- Our flexible wire protection products install easily and help to prevent damage during washdown operations.

Each product is manufactured and rigorously tested to comply with standards established by major regulatory bodies. We help companies take the proactive approach, safeguarding their customer relationships and protecting the public's trust in those brands.



See it. Detect it.

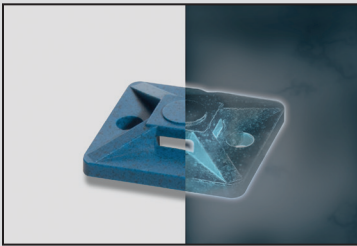
HellermannTyton detectable solutions conform to HACCP – Hazard Analysis and Critical Control Point – an internationally recognized, systematic approach to proactively identifying and reducing potential hazards in food processing.

The distinctive, blue color provides operators with easy visual detection of a contamination. Metal content in the plastic can be detected by X-ray and similar inspection technology.

Focus on proactive quality food production processes is high. Products made of PA66MP conform to REACH Directive (EC) no. 1907/2006 and are DEHP-free (bis(2-ethylhexyl) phthalate), a plasticizer deemed to be toxic for reproduction. The products featured in this brochure are uniquely tailored to food, beverage, pharmaceutical processing and other contamination-averse industries.

Detection

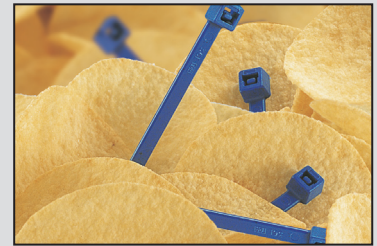
- Conforms to HACCP
- Colors provide visual detection
- Metal impregnated materials



X-ray detection



Magnetic detection



Visual detection

Floating

Products manufactured from PP will float to the surface of liquids, so the products can be easily seen and removed.



Stainless Steel

Easy-to-clean material withstands high temperatures and resists weather and corrosion.



Chemical resistant

PA66MP and PPMP materials required by the United States Food and Drug Administration (FDA) as specified under Title 21 of the Code of Federal Regulation and may be used in indirect contact applications.



Bundling, Securing and Protection Solutions

Technical Information

| | X-Ray Detection | Magnetic Detection | Visual Detection | Floating | Stainless Steel | Easy-to-Clean | Chemical Resistance |
|--|-----------------|--------------------|------------------|----------|-----------------|---------------|---------------------|
| Bundling and Securing | | | | | | | |
| Metal Content Cable Ties and Mounts | | | | | | | |
| MCT Series - PA66MP | ✓ | ✓ | ✓ | | | | |
| MCT Series - PPMP | ✓ | ✓ | ✓ | ✓ | | | ✓ |
| MCMB Series - PA66MP | ✓ | ✓ | ✓ | | | | |
| MCCTAM Series - PA66MP+ | ✓ | ✓ | ✓ | | | | |
| MCKR Series - PA66MP+ | ✓ | ✓ | ✓ | | | | |
| Stainless Steel Cable Ties and Mounts | | | | | | | |
| MBT Series - 304 Grade | ✓ | | | | ✓ | ✓ | ✓ |
| MBT Series - 316 Grade | ✓ | | | | ✓ | ✓ | ✓ |
| SSPC Series - 316 Stainless Steel | ✓ | | | | ✓ | | ✓ |
| Special Material Cable Ties | | | | | | | |
| T-Series - E/TFE | | | ✓ | | | | ✓ |
| T-Series - PVDF | | | | | | | ✓ |
| T-Series - Polypropylene | | | | ✓ | | | ✓ |
| Routing, Protection and Insulation | | | | | | | |
| HWPPMC Series - PP/SS | ✓ | ✓ | ✓ | | | | ✓ |
| SBPEMC Series - PE/SS | ✓ | ✓ | ✓ | | | | ✓ |
| Identification Systems | | | | | | | |
| TipTag MC Cable Markers | ✓ | ✓ | ✓ | | | | ✓ |
| M-BOSS Metal Cable Markers | ✓ | | | | ✓ | ✓ | ✓ |

Cable Ties in Special Materials

MCT Series - PA66MP

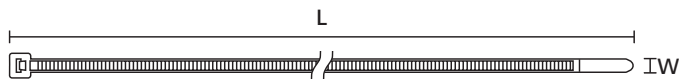
HellermannTyton's Metal Content Tie is specifically designed for the food, beverage and pharmaceutical processing industries to meet the safety standards set by the Hazardous Analysis of Critical Control Point (HACCP). The tie is nylon-based with metal content dispersed throughout the head and strap allowing any part of the tie to be identified by metal detectors or X-ray inspections, reducing the risk of contamination.

Features and Benefits

- Metal content dispersed throughout the head and strap enables identification by metal detectors and X-ray machines.
- Industry standard blue color assists with visual detection and reduces the risk of contamination.



| | |
|------------------------------|--|
| MATERIAL | Polyamide 6.6, with metal particles (PA66MP) |
| Operating Temperature | -40°F to +185°F (-40°C to +85°C) |
| Flammability | UL 94 HB |



| PART NO. | TYPE | Min. Tensile Strength lbs. (N) | Length (L) in. (mm) | Max. Bundle Diameter in. (mm) | Width (W) in. (mm) | Color | Pkg. Qty. |
|-----------|-----------|--------------------------------|---------------------|-------------------------------|--------------------|--------|-----------|
| 111-01225 | MCT18R | 18.0 (80.0) | 4.0 (100.0) | 0.9 (22.0) | 0.1 (2.5) | Blue | 100 |
| 111-00829 | MCT30R | 30.0 (135.0) | 6.0 (150.0) | 1.4 (35.0) | 0.1 (3.5) | Blue | 100 |
| 111-00830 | MCT50R | 50.0 (225.0) | 8.0 (202.0) | 2.0 (50.0) | 0.2 (4.6) | Blue | 100 |
| 111-00937 | MCTRELK2M | 50.0 (225.0) | 9.8 (250.0) | 2.6 (65.0) | 0.2 (4.6) | Blue | 100 |
| 111-01169 | MCT50L | 50.0 (225.0) | 15.0 (380.0) | 4.3 (110.0) | 0.2 (4.7) | Green | 100 |
| 111-01167 | | 50.0 (225.0) | 15.0 (380.0) | 4.3 (110.0) | 0.2 (4.7) | Red | 100 |
| 111-01168 | | 50.0 (225.0) | 15.0 (380.0) | 4.3 (110.0) | 0.2 (4.7) | Yellow | 100 |
| 111-00831 | | 50.0 (225.0) | 15.0 (380.0) | 4.3 (110.0) | 0.2 (4.7) | Blue | 100 |
| 111-01136 | MCT120R | 120.0 (535.0) | 15.2 (387.0) | 3.9 (100.0) | 0.3 (7.6) | Blue | 100 |

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

Bundling and Securing

Cable Ties

Cable Ties in Special Materials

MCT Series - PPMP

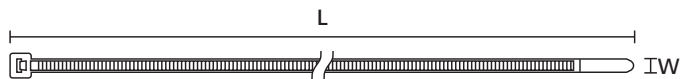
HellermannTyton's Metal Content Tie is specifically designed for the food, beverage and pharmaceutical processing industries to meet the safety standards set by the Hazardous Analysis of Critical Control Point (HACCP). The tie is polypropylene-based with metal content dispersed throughout the head and strap allowing the tie to be identified by metal detectors or X-ray inspections, reducing the risk of contamination.

Features and Benefits

- Metal content dispersed throughout the head and strap enables identification by metal detectors and X-ray machines.
- Industry standard blue color assists with visual detection and reduces the risk of contamination.



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| MATERIAL | Polypropylene with metal particles (PPMP) |
| Operating Temperature | -40°F to +239°F (-40°C to +115°C) |
| Flammability | UL 94 HB |



| PART NO. | TYPE | Min. Tensile Strength lbs. (N) | Length (L) in. (mm) | Max. Bundle Diameter in. (mm) | Width (W) in. (mm) | Color | Pkg. Qty. |
|-----------|-----------|--------------------------------|---------------------|-------------------------------|--------------------|-------|-----------|
| 111-01664 | MCTPP18R | 19.1 (85.0) | 3.9 (100.0) | 0.9 (22.0) | 0.1 (2.4) | Blue | 100 |
| 111-01665 | MCTPP30R | 29.0 (130.0) | 5.9 (150.0) | 1.4 (35.0) | 0.1 (3.5) | Blue | 100 |
| 111-01666 | MCTPP50R | 33.7 (150.0) | 7.9 (200.0) | 2.0 (50.0) | 0.2 (4.6) | Blue | 100 |
| 111-01667 | MCTPP50L | 33.7 (150.0) | 15.3 (390.0) | 4.3 (110.0) | 0.2 (4.6) | Blue | 100 |
| 111-01668 | MCTPP120R | 85.4 (380.0) | 15.2 (387.0) | 3.9 (100.0) | 0.3 (7.6) | Blue | 100 |

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

Cable Ties in Special Materials

T-Series - E/TFE

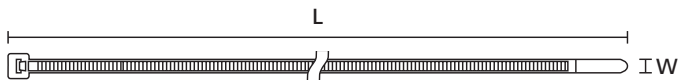
ETFE ties provide excellent protection against radiation and a wide range of chemical cleaning products commonly used in the food, beverage and pharmaceutical industries. They are also rated for low outgassing applications. HellermannTyton's ETFE ties come in a standard color of blue for easy identification. T-Series Cable Ties feature inside serrations to provide a positive hold on wire and cable bundles. The head design guarantees high tensile strength and a low insertion force. The bent tail design allows quick and simple installations by hand. For high-volume applications, tensioning tools are available to ensure consistent and safe installation.



Features and Benefits

- Low moisture sensitivity allows for sterilization.
- Extreme temperature range of -112° F to 338° F for a wider range of applications.
- High purity resists collection of bacteria.
- Industry standard blue color assists with visual detection and reduces the risk of contamination.

| | |
|------------------------------|------------------------------------|
| MATERIAL | Ethylentetrafluoroethylene (E/TFE) |
| Operating Temperature | -112°F to +338°F (-80°C to +170°C) |
| Flammability | UL 94 V0 |



| PART NO. | TYPE | Min. Tensile Strength lbs. (N) | Length (L) in. (mm) | Max. Bundle Diameter in. (mm) | Width (W) in. (mm) | Color | Pkg. Qty. |
|------------|-------|--------------------------------|---------------------|-------------------------------|--------------------|-------|-----------|
| 111-00659* | T18R | 18.0 (80.0) | 4.0 (101.6) | 0.9 (22.0) | 0.1 (2.5) | Blue | 100 |
| 111-00698* | T30R | 30.0 (133.3) | 6.0 (150.0) | 1.4 (36.0) | 0.1 (3.5) | Blue | 100 |
| 111-00732* | T50R | 50.0 (225.0) | 8.0 (202.0) | 2.0 (50.0) | 0.2 (4.7) | Blue | 100 |
| 111-00718* | T50L | 50.0 (225.0) | 15.0 (381.0) | 4.1 (105.0) | 0.2 (4.7) | Blue | 100 |
| 111-01125* | T120R | 120.0 (535.0) | 15.2 (387.0) | 4.1 (105.0) | 0.3 (7.4) | Blue | 50 |

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.
Installation tools: EVO7, EVO7SP, EVO9, EVO9HT, MK7P, MK7HT, MK9P. *This product meets UL standards.



Please note - not all products listed on this page may have this approval. Please see www.HellermannTyton.com for the latest approvals.

Bundling and Securing

Cable Ties

Cable Ties in Special Materials

T-Series - PVDF

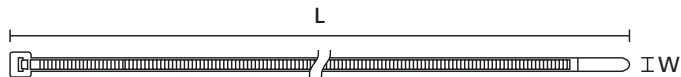
The PVDF cable tie provides some of the highest chemical and radiation resistance of any plastic resin. It functions just like our standard ties, simple and fast, streamlining installation and providing reliable performance.

Features and Benefits

- Excellent resistance to chemical cleaning products commonly used in the food, beverage and pharmaceutical industries.
- High purity resists collection of bacteria.
- Low moisture sensitivity allows for sterilization.
- High temperature operating range up to 284° F for a wider range of applications.



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|------------------------------|-----------------------------------|
| MATERIAL | Polyvinylidene Fluoride (PVDF) |
| Operating Temperature | -40°F to +284°F (-40°C to +140°C) |
| Flammability | UL 94 V0 |



| PART NO. | TYPE | Min. Tensile Strength lbs. (N) | Length (L) in. (mm) | Max. Bundle Diameter in. (mm) | Width (W) in. (mm) | Color | Pkg. Qty. |
|-----------|------|--------------------------------|---------------------|-------------------------------|--------------------|-------|-----------|
| 111-02390 | T50R | 50.0 (225.0) | 8.0 (200.0) | 2.0 (50.0) | 0.2 (4.7) | Gray | 100 |
| 111-02447 | | 50.0 (225.0) | 8.0 (200.0) | 2.0 (50.0) | 0.2 (4.7) | Gray | 3000 |

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

Cable Ties in Special Materials

T-Series - Polypropylene

Polypropylene cable ties offer added resistance to most chemicals. T-Series Cable Ties feature inside serrations to provide a positive hold on wire and cable bundles. The head design guarantees high tensile strength and a low insertion force. The bent tail design allows quick and simple installations by hand. For high-volume applications, tensioning tools are available to ensure consistent and safe installation.

Features and Benefits

- Polypropylene cable ties deliver excellent resistance to chemicals and salts.
- Inside serrations provide strong grip on cables and wire bundles.
- Easy application either manually or with a tensioning tool.



| | |
|------------------------------|-----------------------------------|
| MATERIAL | Polypropylene (PP) |
| Operating Temperature | -40°F to +239°F (-40°C to +115°C) |
| Flammability | UL 94 HB |



| PART NO. | TYPE | Min. Tensile Strength lbs. (N) | Length (L) in. (mm) | Max. Bundle Diameter in. (mm) | Width (W) in. (mm) | Color | Pkg. Qty. |
|------------|-------|--------------------------------|---------------------|-------------------------------|--------------------|---------|-----------|
| T18R0PPC2 | T18R | 8.0 (36.0) | 4.0 (100.0) | 0.8 (19.0) | 0.1 (2.5) | Black | 100 |
| T18R9PPM4 | | 8.0 (36.0) | 4.0 (100.0) | 0.8 (19.0) | 0.1 (2.5) | Natural | 1000 |
| T30R9PPC2 | T30R | 20.0 (89.0) | 6.0 (148.0) | 1.3 (32.0) | 0.1 (3.6) | Natural | 100 |
| T50R0PPC2 | T50R | 25.0 (111.0) | 8.0 (202.0) | 1.8 (44.5) | 0.2 (4.6) | Black | 100 |
| T50R9PPC2 | | 25.0 (111.0) | 8.0 (202.0) | 1.8 (44.5) | 0.2 (4.6) | Natural | 100 |
| T50R0PPM4 | | 25.0 (111.0) | 8.0 (202.0) | 1.8 (44.5) | 0.2 (4.6) | Black | 1000 |
| T120R0PPK2 | T120R | 60.0 (267.0) | 15.0 (387.0) | 4.1 (105.0) | 0.3 (7.6) | Black | 50 |
| T120R0PPH4 | | 60.0 (267.0) | 15.0 (387.0) | 4.1 (105.0) | 0.3 (7.6) | Black | 500 |
| T120S0PPH4 | T120S | 60.0 (267.0) | 9.0 (225.0) | 2.2 (55.0) | 0.3 (7.6) | Black | 500 |

Dimensions are approximate and subject to technical changes. Use Part No. for ordering and Type for specification purposes.
Installation tools: EVO7, EVO7SP, EVO9, EVO9HT, MK7P, MK7HT, MK9P.

Bundling and Securing

Cable Ties

Stainless Steel Cable Ties

MBT Series - 304 Grade

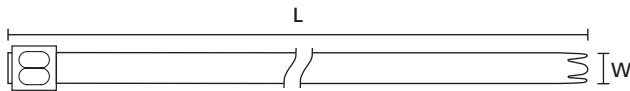
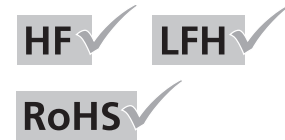
HellermannTyton's stainless steel ties are designed with a ball bearing locking mechanism to ensure high tensile strength and easy insertion when securing hoses, cables, pipes and more. Grade 304 material suits general uses and withstands most environmental conditions, particularly in applications where vibration, weathering, radiation and temperature extremes are a concern.

Features and Benefits

- Corrosion and weather resistant to withstand repeated exposure to washing and the elements.
- Excellent resistance to chemical cleaning products commonly used in the food, beverage and pharmaceutical industries.
- Stainless steel tolerates extreme cold and heat and won't burn, making it ideal for a wider range of applications.



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| MATERIAL | Stainless Steel (SS304) |
| Operating Temperature | -112°F to +1000°F (-80°C to +538°C) |
| Flammability | Non-Burning |



| PART NO. | TYPE | Min. Tensile Strength lbs. (N) | Length (L) in. (mm) | Max. Bundle Diameter in. (mm) | Width (W) in. (mm) | Pkg. Qty. | Drawing |
|-----------|----------|--------------------------------|---------------------|-------------------------------|--------------------|-----------|---------|
| MBT5S-S | MBT5SS | 202.0 (900.0) | 5.0 (127.0) | 1.0 (25.0) | 0.2 (4.6) | 100 | |
| MBT8S-S | MBT8SS | 202.0 (900.0) | 7.9 (201.0) | 2.0 (50.0) | 0.2 (4.6) | 100 | |
| MBT14S-S | MBT14SS | 202.0 (900.0) | 14.3 (362.0) | 4.0 (102.0) | 0.2 (4.6) | 100 | |
| MBT20S-S | MBT20SS | 202.0 (900.0) | 20.5 (521.0) | 6.0 (152.0) | 0.2 (4.6) | 100 | |
| MBT27S-S | MBT27SS | 202.0 (900.0) | 27.0 (685.0) | 8.0 (203.0) | 0.2 (4.6) | 100 | |
| MBT33S-S | MBT33SS | 202.0 (900.0) | 33.0 (838.0) | 10.0 (254.0) | 0.2 (4.6) | 100 | |
| MBT8H-S | MBT8HS | 450.0 (2,000.0) | 7.9 (201.0) | 2.0 (50.0) | 0.3 (7.9) | 50 | |
| MBT14H-S | MBT14HS | 450.0 (2,000.0) | 14.3 (362.0) | 4.0 (102.0) | 0.3 (7.9) | 50 | |
| MBT20H-S | MBT20HS | 450.0 (2,000.0) | 20.5 (521.0) | 6.0 (152.0) | 0.3 (7.9) | 50 | |
| MBT27H-S | MBT27HS | 450.0 (2,000.0) | 27.0 (685.0) | 8.0 (203.0) | 0.3 (7.9) | 50 | |
| MBT33H-S | MBT33HS | 450.0 (2,000.0) | 33.0 (838.0) | 10.0 (254.0) | 0.3 (7.9) | 50 | |
| 111-95148 | MBT14XHS | 607.0 (2,700.0) | 14.3 (362.0) | 4.0 (102.0) | 0.5 (12.3) | 50 | |
| 111-95208 | MBT20XHS | 607.0 (2,700.0) | 20.5 (521.0) | 6.0 (152.0) | 0.5 (12.3) | 50 | |
| 111-95278 | MBT27XHS | 607.0 (2,700.0) | 26.8 (681.0) | 8.0 (203.0) | 0.5 (12.3) | 50 | |
| 111-95338 | MBT33XHS | 607.0 (2,700.0) | 33.0 (838.0) | 10.0 (254.0) | 0.5 (12.3) | 50 | |

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

Installation tool: MK95ST. Stainless steel ties and materials should be tested thoroughly under end-use conditions to determine suitability for the application.

Stainless Steel Cable Ties

MBT Series - 316 Grade

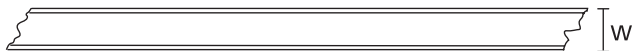
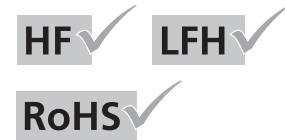
HellermannTyton's stainless steel ties are designed with a ball bearing locking mechanism to ensure high tensile strength and easy insertion when securing hoses, cables, pipes and more. Grade 316 material is highly corrosion resistant and withstands most environmental conditions, particularly in applications where vibration, chemicals, salt, acids and temperature extremes are a concern.

Features and Benefits

- Corrosion and weather resistant to withstand repeated exposure to washing and the elements.
- Excellent resistance to chemical cleaning products commonly used in the food, beverage and pharmaceutical industries.
- Stainless steel tolerates extreme cold and heat and won't burn, making it ideal for a wider range of applications.



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|------------------------------|-------------------------------------|
| MATERIAL | Stainless Steel (SS316) |
| Operating Temperature | -112°F to +1000°F (-80°C to +538°C) |
| Flammability | Non-Burning |



| PART NO. | TYPE | Min. Tensile Strength lbs. (N) | Length (L) in. (mm) | Max. Bundle Diameter in. (mm) | Width (W) in. (mm) | Pkg. Qty. | Drawing |
|-----------|---------|--------------------------------|---------------------|-------------------------------|--------------------|-----------|---------|
| MBT5S | MBT5S | 202.0 (900.0) | 5.0 (127.0) | 1.0 (25.0) | 0.2 (4.6) | 100 | |
| MBT8S | MBT8S | 202.0 (900.0) | 7.9 (201.0) | 2.0 (50.0) | 0.2 (4.6) | 100 | |
| MBT14S | MBT14S | 202.0 (900.0) | 14.3 (362.0) | 4.0 (102.0) | 0.2 (4.6) | 100 | |
| MBT20S | MBT20S | 202.0 (900.0) | 20.5 (521.0) | 6.0 (152.0) | 0.2 (4.6) | 100 | |
| MBT27S | MBT27S | 202.0 (900.0) | 27.0 (685.0) | 8.0 (203.0) | 0.2 (4.6) | 100 | |
| MBT33S | MBT33S | 202.0 (900.0) | 33.0 (838.0) | 10.0 (254.0) | 0.2 (4.6) | 100 | |
| MBT8H | MBT8H | 450.0 (2,000.0) | 7.9 (201.0) | 2.0 (50.0) | 0.3 (7.9) | 50 | |
| MBT14H | MBT14H | 450.0 (2,000.0) | 14.3 (362.0) | 4.0 (102.0) | 0.3 (7.9) | 50 | |
| MBT20H | MBT20H | 450.0 (2,000.0) | 20.5 (521.0) | 6.0 (152.0) | 0.3 (7.9) | 50 | |
| MBT27H | MBT27H | 450.0 (2,000.0) | 27.0 (685.0) | 8.0 (203.0) | 0.3 (7.9) | 50 | |
| MBT33H | MBT33H | 450.0 (2,000.0) | 33.0 (838.0) | 10.0 (254.0) | 0.3 (7.9) | 50 | |
| 111-95149 | MBT14XH | 607.0 (2,700.0) | 14.3 (362.0) | 4.0 (102.0) | 0.5 (12.3) | 50 | |
| 111-95209 | MBT20XH | 607.0 (2,700.0) | 20.5 (521.0) | 6.0 (152.0) | 0.5 (12.3) | 50 | |
| 111-95279 | MBT27XH | 607.0 (2,700.0) | 26.8 (681.0) | 8.0 (203.0) | 0.5 (12.3) | 50 | |
| 111-95339 | MBT33XH | 607.0 (2,700.0) | 33.0 (838.0) | 10.0 (254.0) | 0.5 (12.3) | 50 | |
| 111-01301 | MBT14UH | 922.0 (4,100.0) | 14.3 (362.0) | 4.0 (102.0) | 0.6 (16.0) | 50 | |
| 111-01302 | MBT20UH | 922.0 (4,100.0) | 20.5 (521.0) | 6.0 (152.0) | 0.6 (16.0) | 50 | |
| 111-01303 | MBT27UH | 922.0 (4,100.0) | 26.8 (681.0) | 8.0 (203.0) | 0.6 (16.0) | 50 | |
| 111-01304 | MBT33UH | 922.0 (4,100.0) | 33.0 (838.0) | 10.0 (254.0) | 0.6 (16.0) | 50 | |
| 111-01305 | MBT43UH | 922.0 (4,100.0) | 43.0 (1,092.0) | 13.0 (330.0) | 0.6 (16.0) | 25 | |
| 111-01306 | MBT49UH | 922.0 (4,100.0) | 49.0 (1,245.0) | 15.0 (380.0) | 0.6 (16.0) | 25 | |

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

Installation tool: MK9SST. Stainless steel ties and materials should be tested thoroughly under end-use conditions to determine suitability for the application.

Bundling and Securing

Cable Tie Mounts

Screw Mounting Bases

MCCTAM Series - PA66MP+

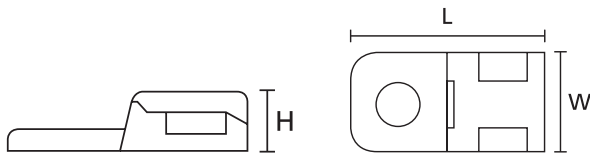
MCCTAM mounts are ideally suited for holding MCT-Series cable ties in position, even in areas of high vibration such as food manufacturing equipment and automated packaging machines. They provide a secure mounting solution for routing cables, tubes and hoses. Use as part of an HACCP process to better conform with industry expectations.

Features and Benefits

- Industry standard blue color assists with visual detection and reduces the risk of contamination.
- Small size makes them ideal for tight spaces.
- Simple to install with a screw or bolt.
- Impregnated with metal particles, making it magnetic and X-ray detectable.



| | |
|------------------------------|---|
| MATERIAL | Polyamide 6.6, with metal particles (PA66MP+) |
| Operating Temperature | -40°F to +185°F (-40°C to +85°C) |



| PART NO. | TYPE | Cable Tie Series | Mounting Screw Type | Length (L) in. (mm) | Width (W) in. (mm) | Height (H) in. (mm) | Color | Pkg. Qty. |
|-----------|---------|------------------|---------------------|------------------------|-----------------------|------------------------|-------|-----------|
| 151-00997 | MCCTAM1 | MCT18 - MCT50 | #8 (M4) Screw | 0.8 (20.7) | 0.4 (10.3) | 0.2 (5.1) | Blue | 100 |

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

Screw Mounting Bases

MCKR Series - PA66MP+

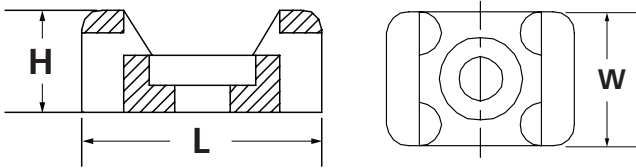
MCKR mounts feature a curved design for additional cable support and are ideally suited for holding MCT-Series cable ties in position, even in areas of high vibration such as food manufacturing equipment and automated packaging machines. They provide a secure mounting solution for routing cables, tubes and hoses. Use as part of an HACCP process to better conform with industry expectations.

Features and Benefits

- Industry standard blue color assists with visual detection and reduces the risk of contamination.
- Small size makes them ideal for tight spaces.
- Simple to install with a screw or bolt.
- Impregnated with metal particles, making it magnetic and X-ray detectable.



| | |
|------------------------------|---|
| MATERIAL | Polyamide 6.6, with metal particles (PA66MP+) |
| Operating Temperature | -40°F to +185°F (-40°C to +85°C) |



| PART NO. | TYPE | Cable Tie Series | Mounting Screw Type | Length (L) in. (mm) | Width (W) in. (mm) | Height (H) in. (mm) | Color | Pkg. Qty. |
|-----------|-----------|------------------|---------------------|------------------------|-----------------------|------------------------|-------|-----------|
| 151-00950 | MCKR6G5 | MCT18 - MCT50 | #8 (M4) Screw | 0.7 (17.8) | 0.5 (11.8) | 0.4 (8.8) | Blue | 100 |
| 151-01020 | MCKR8G5-5 | MCT18 - MCT120 | #10 (M5) Screw | 1.0 (24.8) | 0.6 (14.5) | 0.5 (12.0) | Blue | 100 |

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

Bundling and Securing

Cable Tie Mounts

Screw Mounting Bases

MCMB Series - PA66MP

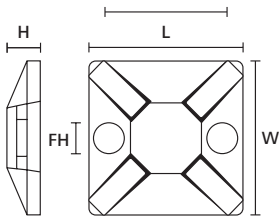
MCMB mounts are ideally suited for holding MCT-Series cable ties in position, even in areas of high vibration such as food manufacturing equipment and automated packaging machines. They provide a secure mounting solution for routing cables, tubes and hoses. The four-way entry makes installing a cable tie quicker with greater directional flexibility. Use as part of an HACCP process to better conform with industry expectations.

Features and Benefits

- Industry standard blue color assists with visual detection and reduces the risk of contamination.
- Simple to install with a screw or bolt.
- Impregnated with metal particles, making it magnetic and X-ray detectable.
- Greatly reduced risk of contamination within food products.



| | |
|------------------------------|--|
| MATERIAL | Polyamide 6.6, with metal particles (PA66MP) |
| Operating Temperature | -40°F to +185°F (-40°C to +85°C) |
| Flammability | UL 94 HB |



| PART NO. | TYPE | Cable Tie Series | Mounting Screw Type | Length (L) in. (mm) | Width (W) in. (mm) | Height (H) in. (mm) | Color | Pkg. Qty. |
|-----------|-------|------------------|---------------------|------------------------|-----------------------|------------------------|-------|-----------|
| 151-01169 | MCMB3 | MCT18 - MCT30 | #4 (M2.5) Screw | 0.8 (19.0) | 0.8 (19.0) | 0.2 (4.3) | Blue | 100 |
| 151-01170 | MCMB4 | MCT18 - MCT50 | #8 (M4) Screw | 1.1 (28.0) | 1.1 (28.0) | 0.2 (4.7) | Blue | 100 |

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

Screw Mounting Bases

SSPC Series - 316 Stainless Steel

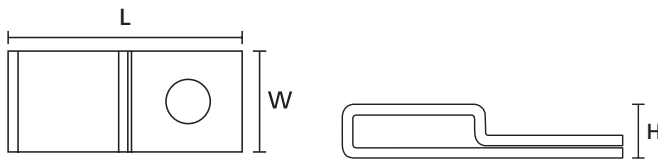
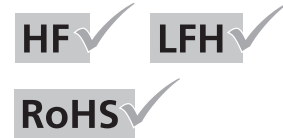
This two-way mount secures stainless steel cable ties to a surface for routing cables, tubing, conduit and pipes. Stainless steel tie mounts can be used in virtually any application where a screw can be fastened for routing. Pairs with stainless steel ties up to 10.0 mm wide for a complete fastening solution. Grade 316 features the ability to withstand most environmental conditions, particularly in applications where vibration, corrosion, radiation and temperature extremes are a concern.

Features and Benefits

- Corrosion and weather resistant to withstand repeated exposure to washing and the elements.
- Excellent resistance to chemical cleaning products commonly used in the food, beverage and pharmaceutical industries.
- Stainless steel tolerates extreme cold and heat and won't burn, making it ideal for a wider range of applications.



| | |
|------------------------------|-------------------------------------|
| MATERIAL | Stainless Steel (SS316) |
| Operating Temperature | -112°F to +1000°F (-80°C to +538°C) |
| Flammability | Non-Burning |



| PART NO. | TYPE | Cable Tie Series | Length (L) in. (mm) | Width (W) in. (mm) | Height (H) in. (mm) | Color | Pkg. Qty. |
|-----------|-------|--|------------------------|-----------------------|------------------------|-------|-----------|
| 151-00837 | SSPC4 | MBTS(-S) and MBTH(-S) stainless steel ties | 0.9 (23.0) | 0.4 (10.2) | 0.2 (4.5) | Metal | 100 |
| 151-00838 | SSPC5 | | 0.9 (23.0) | 0.4 (10.2) | 0.2 (4.5) | Metal | 100 |
| 151-00839 | SSPC6 | | 0.9 (23.0) | 0.4 (10.2) | 0.2 (4.5) | Metal | 100 |

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

Routing, Protection and Insulation

Helawrap Protective Tubing

Helawrap - Metal Content

HWPPMC Series - PP/SS

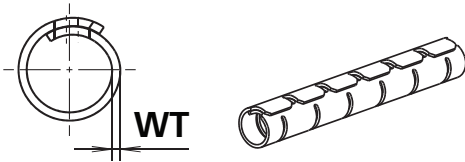
Helawrap HWPPMC provides flexible, durable cable and hose protection. It is ideal for food-processing machines and related environments. Protects against abrasion, making it appropriate for applications where movement is an issue. Helawrap is quick and easy to use, making it ideal for installation and maintenance operations.

Features and Benefits

- Industry standard blue color assists with visual detection and reduces the risk of contamination.
- Included applicator tool makes installation fast and easy.
- High stainless-steel content is both detectable and corrosion resistant.
- Open design accommodates breakouts at any point along the bundle.



| | |
|------------------------------|--|
| MATERIAL | Polypropylene (PP), Stainless Steel (SS) |
| Operating Temperature | -76°F to +212°F (-60°C to +100°C) |
| Flammability | UL 94 HB |



| PART NO. | TYPE | Nominal Dia. in. (mm) | Min. Bundle Diameter in. (mm) | Max. Bundle Diameter in. (mm) | Color | Pkg. Qty. ft. (m) | Wall Thickness WT in. (mm) | Weight lbs. (kg) |
|-----------|----------|-----------------------|-------------------------------|-------------------------------|-------|-------------------|----------------------------|------------------|
| 161-66000 | HWPPMC8 | 5/16 (8.0) | 0.28 (7.0) | 0.35 (9.0) | Blue | 82.0 (25) | 0.030 (0.8) | 2.66 (1.21) |
| 161-66100 | HWPPMC16 | 5/8 (16.0) | 0.51 (13.0) | 0.63 (16.0) | Blue | 82.0 (25) | 0.030 (0.8) | 3.95 (1.79) |
| 161-66200 | HWPPMC20 | 13/16 (20.0) | 0.71 (18.0) | 0.83 (21.0) | Blue | 82.0 (25) | 0.037 (1.0) | 5.73 (2.60) |
| 161-66300 | HWPPMC25 | 1 (25.0) | 0.91 (23.0) | 1.06 (27.0) | Blue | 82.0 (25) | 0.041 (1.1) | 8.06 (3.66) |
| 161-66400 | HWPPMC30 | 1-3/16 (30.0) | 1.14 (29.0) | 1.26 (32.0) | Blue | 82.0 (25) | 0.050 (1.3) | 9.83 (4.46) |

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

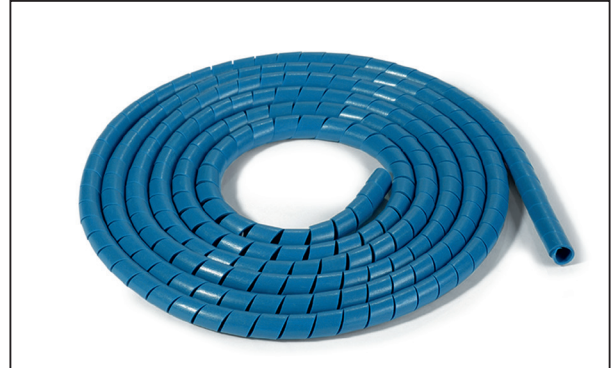
Spiralwrap - Special Materials

SBPEMC Series - PE/SS

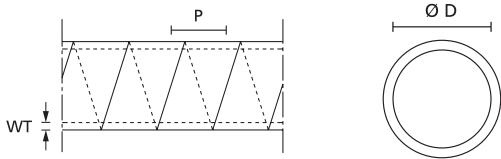
SBPEMC provides flexible, durable cable and hose protection. It is ideal for food-processing machines and related environments. Protects against abrasion, making it appropriate for applications where movement is an issue.

Features and Benefits

- Industry standard blue color assists with visual detection and reduces the risk of contamination.
- High stainless-steel content is both detectable and corrosion resistant.
- Open design accommodates breakouts at any point along the bundle.
- Spiral design makes it suitable for retro-fitting.



| | |
|------------------------------|---|
| MATERIAL | Polyethylene (PE), Stainless Steel (SS) |
| Operating Temperature | -76°F to +176°F (-60°C to +80°C) |
| Flammability | UL 94 HB |



| PART NO. | TYPE | Diameter (D) in. (mm) | Wall Thickness WT in. (mm) | Pitch P in. (mm) | Min. Bundle Diameter in. (mm) | Max. Bundle Diameter in. (mm) | Color | Pkg. Qty. |
|-----------|-----------|--------------------------|-------------------------------|---------------------|----------------------------------|----------------------------------|-------|-----------|
| 161-46000 | SBPEMC1.5 | 0.06 (1.5) | 0.031 (0.8) | 0.24 (6.0) | 0.06 (1.6) | 0.31 (8.0) | Blue | 98 ft |
| 161-46100 | SBPEMC4 | 0.16 (4.0) | 0.039 (1.0) | 0.31 (7.8) | 0.20 (5.0) | 0.79 (20.0) | Blue | 98 ft |
| 161-46200 | SBPEMC9 | 0.35 (9.0) | 0.055 (1.4) | 0.49 (12.5) | 0.39 (10.0) | 3.94 (100.0) | Blue | 98 ft |
| 161-46300 | SBPEMC16 | 0.63 (16.0) | 0.063 (1.6) | 0.63 (16.0) | 0.79 (20.0) | 5.91 (150.0) | Blue | 98 ft |

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

Identification

Labels

Labels for Thermal Transfer Printers

TipTag MC Cable Markers

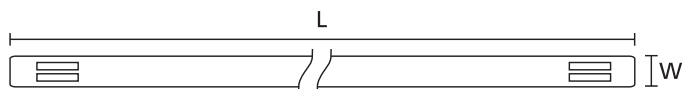
TipTag MC cable markers are specially designed for applications that require detectability. They are ideal for marking larger cables, wires and bundles in the food, beverage and pharmaceutical industries. Special perforated format includes holes for fastening with metal content cables ties (MCT). Use as part of an HACCP process to better conform with industry expectations.

Features and Benefits

- Impregnated with metal particles, making it magnetic and X-ray detectable.
- Outstanding resistance to chemical cleaning products commonly used in the food, beverage and pharmaceutical industries.
- Resists high temperatures and won't burn, making it ideal for a wider range of applications.
- Print from the reel with HellermannTyton's premium range of thermal transfer printers.



| | |
|------------------------------|----------------------------------|
| Material | Polyolefin (PO), Metal (MET) |
| Operating Temperature | -40°F to +185°F (-40°C to +85°C) |



| PART NO. | TYPE | Label Length (L) in. (mm) | Label Width (W) in. (mm) | Printable Area Width in. (mm) | Printable Area Height in. (mm) | Qty. per Box |
|-----------|-----------------|------------------------------|-----------------------------|----------------------------------|-----------------------------------|--------------|
| 556-26500 | TTAGMC11BEX65S | 2.56 (65.0) | 0.43 (11.0) | 1.5 (38.1) | 0.3 (6.4) | 190 |
| 556-26501 | TTAGMC11BEX100S | 3.94 (100.0) | 0.43 (11.0) | 2.8 (69.8) | 0.3 (6.4) | 120 |
| 556-26502 | TTAGMC15BEX65S | 2.56 (65.0) | 0.59 (15.0) | 1.5 (38.1) | 0.4 (9.5) | 190 |
| 556-26503 | TTAGMC15BEX100S | 3.94 (100.0) | 0.59 (15.0) | 2.8 (69.8) | 0.4 (9.5) | 120 |

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

Thermal Transfer Printers

TT4030 Printer

HellermannTyton's TT4030 Series thermal transfer printers are designed for high-volume, industrial-grade printing of thermal transfer labels and ShrinkTrak. Their user-friendly design features an informative display for simple navigation and instructional videos. The built-in caddy allows even the largest label rolls to fit inside, and the cutter can cut through the thickest material. The TT4030's print head delivers excellent results. This printer handles all sizes of HellermannTyton's ShrinkTrak markers and can print on even the smallest labels. Use with HellermannTyton's TagPrint® Pro label printing software.



Features and Benefits

- Prints detectable TipTag markers, as well as thermal transfer labels and more, for use in food, beverage and pharmaceutical operations.
- High-volume, ultra-fast, premium-quality printing for dependable performance and excellent results.
- Color LCD touchscreen for intuitive control.
- Optional premium quality accessories such as a perforator and cutter extend the printer's capability.

| | |
|-----------------------------|--|
| PRINT METHOD | Thermal transfer |
| Print Head Type | 300 dpi, flat type |
| Print Speed | up to 11.8" (300 mm)/sec. |
| Max. Print Width | 105.70 mm |
| Label Height Max. mm | 2,000 mm |
| Printer Interfaces | RS232 C, USB 2.0, Ethernet 10/100 Base T |
| Supported Barcodes | Standard, 2D |
| Printer Memory | 256 MB RAM |
| Dimensions W x H x D | 252 mm x 288 mm x 460 mm |
| Weight lbs. (kg) | 9.98 kg |



| PART NO. | TYPE | Description | Color | Pkg. Qty. |
|-----------|-------------------------------|-----------------------------|-------|-----------|
| 556-04037 | TT4030 | TT4030 Printer, 300 dpi | Gray | 1 |
| 556-04050 | S4030 Cutter | Cutter, TT4030 | Gray | 1 |
| 556-04005 | Printer Roller TT4030/TT4000+ | Platen Roller, TT4030 | Green | 1 |
| 556-04041 | TT4030 Printhead | Print Head, 300 dpi, TT4030 | Gray | 1 |

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

Identification

Printers and Software

Metal Embossing Printer Systems

M-BOSS Metal Cable Markers

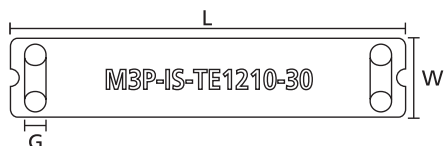
M-BOSS Compact Markers are used in all areas where severe mechanical or chemical conditions occur, such as offshore industry, solar industry, marine engineering, petrochemical industry, mining, underground or on radio and cellular masts where mark permanence is critical.

Features and Benefits

- Raised marking ensure text visibility even when covered in dust, debris, grease and oil.
- Stainless steel grade SS316 is suited for use in harsh environments.
- Marker plates are designed for use with stainless steel cable ties with a 0.81" (4.6mm) strap width.



| | |
|------------------------------|-------------------------------------|
| MATERIAL | Stainless Steel (SS316) |
| Operating Temperature | -112°F to +1000°F (-80°C to +538°C) |



| PART NO. | TYPE | Description | Label Length (L) in. (mm) | Label Width (W) in. (mm) | Max. Cable Tie Width (G) in. (mm) | Pkg. Qty. |
|-----------|-----------|---------------|------------------------------|-----------------------------|--------------------------------------|-----------|
| 544-80101 | MBML10X45 | M-BOSS Marker | 1.77 (44.5) | 0.4 (9.9) | 0.2 (4.6) | 1000 |
| 544-80102 | MBML10X90 | M-BOSS Marker | 3.54 (89.5) | 0.4 (9.9) | 0.2 (4.6) | 500 |
| 544-80201 | MBML20X45 | M-BOSS Marker | 1.77 (44.5) | 0.8 (19.8) | 0.2 (4.6) | 1000 |
| 544-80202 | MBML20X90 | M-BOSS Marker | 3.54 (89.5) | 0.8 (19.8) | 0.2 (4.6) | 500 |

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

Metal Embossing Printer Systems

M-BOSS Compact Embossing Printer

M-BOSS Compact is a quiet, easy-to-use metal plate embossing printer with a small production footprint. It is simple to install and operate, requiring just a standard electrical supply and a PC. Marker plates are attached to pipes and cables using 4.6mm width MBT cable ties and a MK9SST hand tool.

Features and Benefits

- Built in storage tray for safe storage of all printing components.
- Functions with TagPrint® Pro labeling software for easy label design.
- Tested to over 1.5 million strikes without maintenance for reliable embossing.
- Fast embossing speed for high volume marker production.



| PART NO. | TYPE | Description | Color | Pkg. Qty. |
|-----------|--------------------------|---|-------|-----------|
| 544-20000 | M-BOSS Compact | M-BOSS Compact Embossing Printer | Blue | 1 |
| 544-21000 | M-BOSS Compact Organiser | M-BOSS Compact Embossing Printer with Organizer | Blue | 1 |

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

Manual Tools

EVO® 7 Tool

HellermannTyton's EVO 7 mechanical hand tool is ergonomically designed to reduce the risks of repetitive stress injuries to operators while simultaneously increasing productivity. The EVO 7 Tension/Lock/Cut Technology delivers performance, safety and comfort for operators. Available in a standard grip span (EVO 7) or short grip span (EVO 7SP) for smaller hands. Additional accessories are available.

Features and Benefits

- Advanced TLC technology provides operational reliability and durability resulting in fewer repairs and an extended lifespan.
- Lightweight tool with the most technologically advanced ergonomic design for reducing work-related risks such as fatigue and injury that affect productivity.
- Tension dial offers 33 precise, easy-to-read settings (with ¼" increments) that reduce subjectivity or the need for fine tuning.
- Tension lock-in mechanism prevents operator from changing tension setting during critical applications.



| PART NO. | TYPE | Description | Cable Tie Series | Pkg. Qty. |
|-----------|-----------------------|---|-------------------------------------|-----------|
| 110-70084 | EVO7SP | EVO 7SP Mechanical Hand Tool, Short Hand Span 80 | T18, T30, T40, T50, T80, IT18, IT50 | 1 |
| 110-70083 | EVO7 | EVO 7 Mechanical Hand Tool, Standard Hand Span 90 | T18, T30, T40, T50, T80, IT18, IT50 | 1 |
| 110-70131 | SP EVO7 NOSEPIECE 1MM | EVO 7 and EVO 7SP Nosepiece, 1 - 3 | - | 1 |
| 110-70132 | SP EVO7 NOSEPIECE 2MM | EVO 7 and EVO 7SP Nosepiece, 2 | - | 1 |
| 110-70133 | SP EVO7 NOSEPIECE 3MM | EVO 7 and EVO 7SP Nosepiece, 3 | - | 1 |
| 110-70106 | SP EVO7 Blade Kit | EVO 7 and EVO 7SP blade replacement kit, (1) blade, (1) nosepiece screw | - | 1 |
| 110-70089 | EVO Calibration Tool | EVO 7 Calibration tool | - | 1 |
| 110-70091 | T8SD | EVO 7 T8 star driver | - | 1 |

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

Application Tools

Cable Tie Application Tools

Manual Tools

EVO® 9 Tool

HellermannTyton's EVO 9 manual cable tie application tool combines durability, precision and control with unparalleled comfort. Manufactured with high-performance materials and components, the EVO 9 cuts cable ties with up to 250-lb tensile strength. Its innovative, ergonomic design minimizes the stress on hands and wrists and "kickback" that occur with traditional tools, reducing the risk of repetitive-motion injuries. The HT model offers high tension while the SP model features a smaller grip.



Features and Benefits

- Tensions and provides clean, flush cuts for 50 lb to 250 lb cable ties, including wide strap ties.
- Impact-resistant housing and durable components for extended service life.
- Easy-to-adjust tension knob offers 33 different settings for precise, repeatable applications.
- Advanced ergonomic design minimizes necessary hand force and "kickback" to reduce repetitive-motion injuries.

| PART NO. | TYPE | Description | Cable Tie Series | Pkg. Qty. |
|-----------|-----------------------------|--|--|-----------|
| 110-80000 | EVO9 | EVO 9 Mechanical Hand Tool, Standard Hand Span | T50, T80, T120, T150, T250, T255, WS | 1 |
| 110-80001 | EVO9SP | EVO 9 Mechanical Hand Tool, Short Hand Span | T50, T80, T120, T150, T250, T255, WS, LK2, LK3, LK5, GL, ECO Series Ties | 1 |
| 110-80004 | EVO9HT | EVO 9HT High Tension Mechanical Hand Tool | T120, T150, T250, T255, WS | 1 |
| 110-80037 | SP EVO9 Blade | EVO 9 Replacement Blade | - | 1 |
| 110-80018 | SP EVO9 Stirnkappe Standard | EVO 9 Replacement Nosepiece, Flush Cut | - | 1 |
| 110-80064 | SP EVO9 NOSEPIECE 2MM | EVO 9 2mm Nosepiece, Extended Tail | - | 1 |
| 110-80065 | SP EVO9 NOSEPIECE 3MM | EVO 9 3mm Nosepiece, Extended Tail | - | 1 |
| 110-80066 | SP EVO9 NOSEPIECE 4MM | EVO 9 4mm Nosepiece, Extended Tail | - | 1 |
| 110-80067 | SP EVO9 NOSEPIECE 5MM | EVO 9 5mm Nosepiece, Extended Tail | - | 1 |

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

Manual Tools

MK9SST Tool

With its lightweight, ergonomic design, the MK9SST is an ideal tool for applying MBT-series stainless steel cable ties. As tough as these ties are, the MK9SST cuts and tensions without operator fatigue and is easy on joints. Tensioning is fully adjustable using a quick, two-level control with an additional fine setting. This avoids damage to bundles. Cable ties are cut off automatically flush with the head when the preset tensioning level has been reached.

Features and Benefits

- Glass fiber reinforced housing for extra durability.
- Ergonomic design protects against repetitive strain injuries.
- Consistently tensions and cuts metal ties in the MBT/MAT-series.



| PART NO. | TYPE | Description | Cable Tie Series | Pkg. Qty. |
|-----------|---------------------------------|--|---|-----------|
| MK9SST | MK9SST | Mark 9 Stainless Steel Tie Tensioning and Cut-Off Tool | All MBT Series for both 304 and 316 materials | 1 |
| 110-95273 | SP MK9SST replacement blade | MK9SST G2 Blade | - | 1 |
| 110-95291 | SP MK9SST Front Nosepiece SS SR | MK9SST Front Nosepiece | - | 1 |

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



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