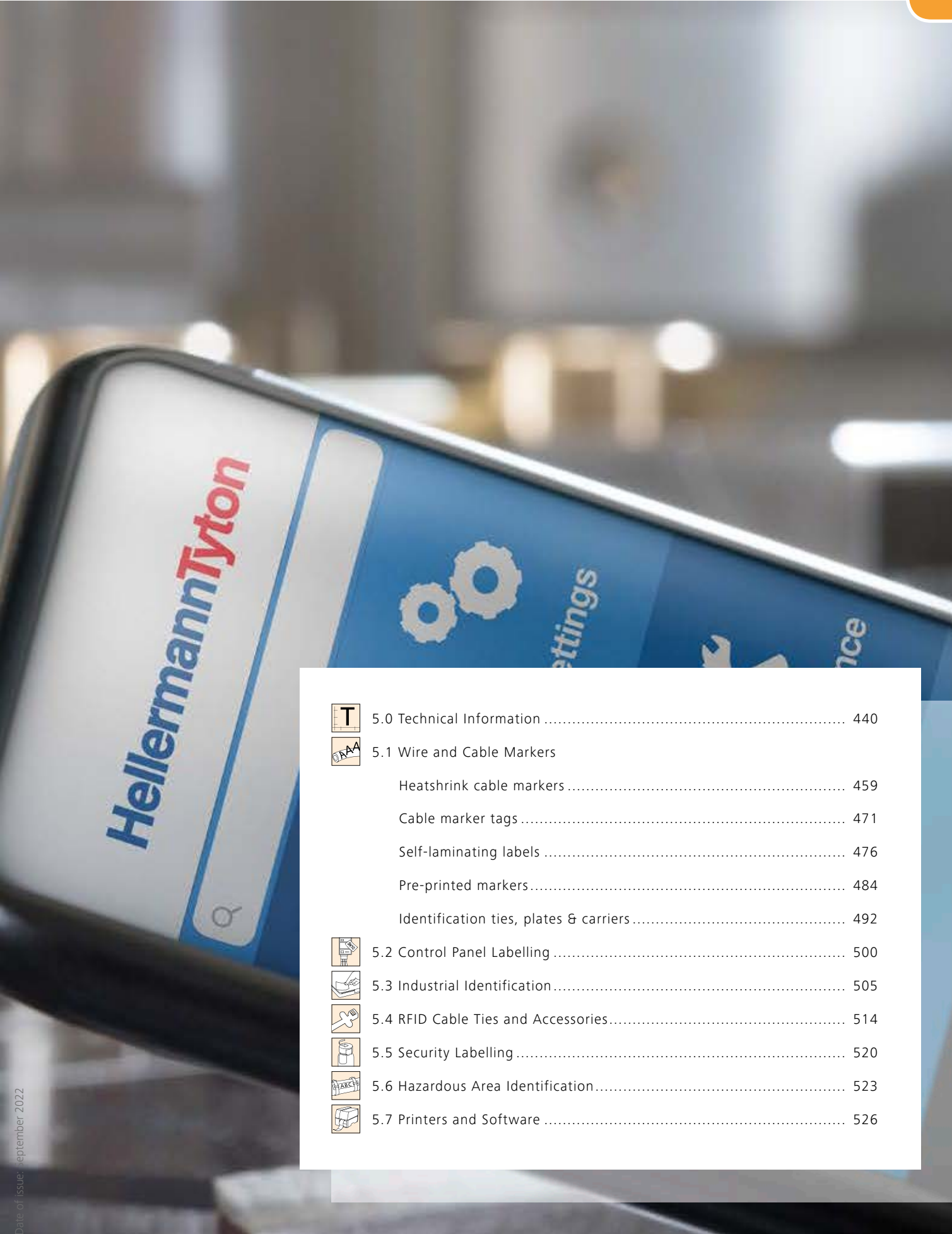



### Inspired by perfect combinations

One day, not too long ago, a couple of our developers were racking their brains looking for ways of combining productivity and performance. They weren't getting anywhere and realised they were in a bind. That's it! Cable ties! Why is it that we use one cable tie to tie cables together, and other products to label and mark them? We should have an all-in-one product! Soon enough, our developers' ideas transformed into our cable tie and RFID technology combination. Now you can fasten cables mark them uniquely with the integrated RFID transponder, making the ties ideal for asset management and resource tracking. When combining the RFID ties with yet another marker, e.g. the TIPTAG you can even provide visual marking on top. The RFID cable tie combination is that versatile you can attach it to all sorts of products and assets for track and trace purposes. The choice is yours. It's just one of the many HellermannTyton identification solutions that stand out in the most demanding of industrial environments – and surely the one with the best story.





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## 5.0 Technical Information

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## 5.1 Wire and Cable Markers

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### Self-laminating labels, laser printer

|                                  |     |
|----------------------------------|-----|
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### Self-laminating labels, manual marking

|                                  |     |
|----------------------------------|-----|
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### Pre-printed cable markers

|                                  |     |
|----------------------------------|-----|
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|                     |     |
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## 5.2 Control Panel Labelling

### Labels for control panel identification, thermal transfer

|   |     |
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### Labels for control panel identification, laser printer

|                       |     |
|-----------------------|-----|
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|  |     |
|--|-----|
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|--|-----|





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|   |     |
|---|-----|
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| <b>Type label identification, thermal transfer</b>    |     |
| Helatag 1204 (Silver-matt)                            | 507 |
| <b>Asset identification label, thermal transfer</b>   |     |
| Helatag 1206  | 508 |
| <b>Type label identification, laser printer</b>       |     |
| Helatag 1103 (Silver)                                 | 510 |
| Helatag 1102 (Yellow)                                 | 511 |
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### 5.4 RFID Cable Ties and Accessories

|   |     |
|---|-----|
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| T50RFID – Low frequency (LF) and high frequency (HF), blank         | 514 |
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|--|-----|
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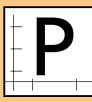
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|   |     |
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### 5.7 Printers and Software

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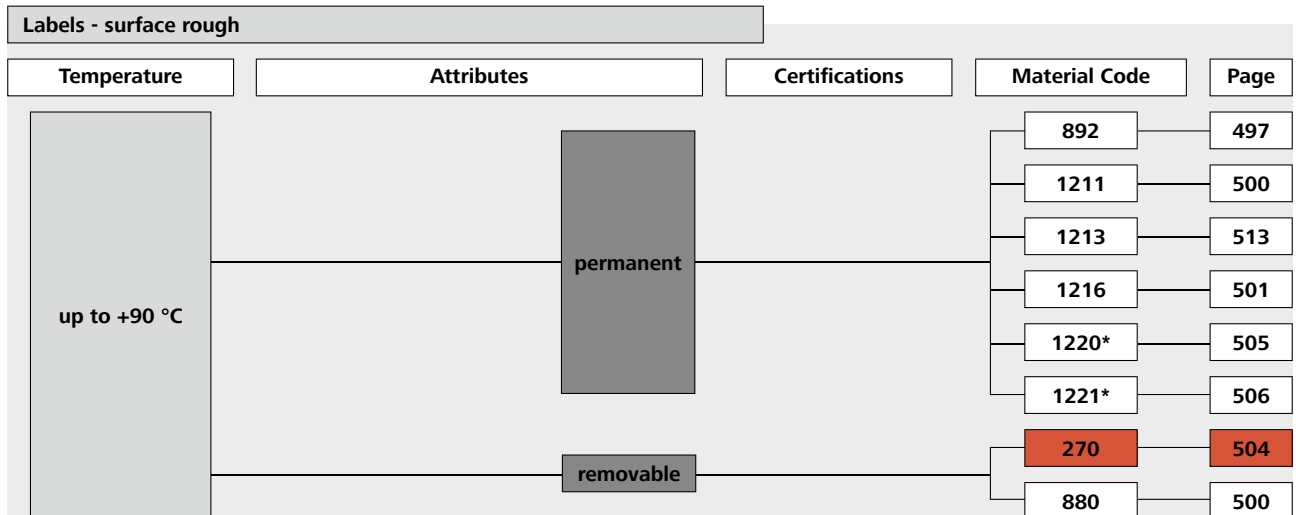
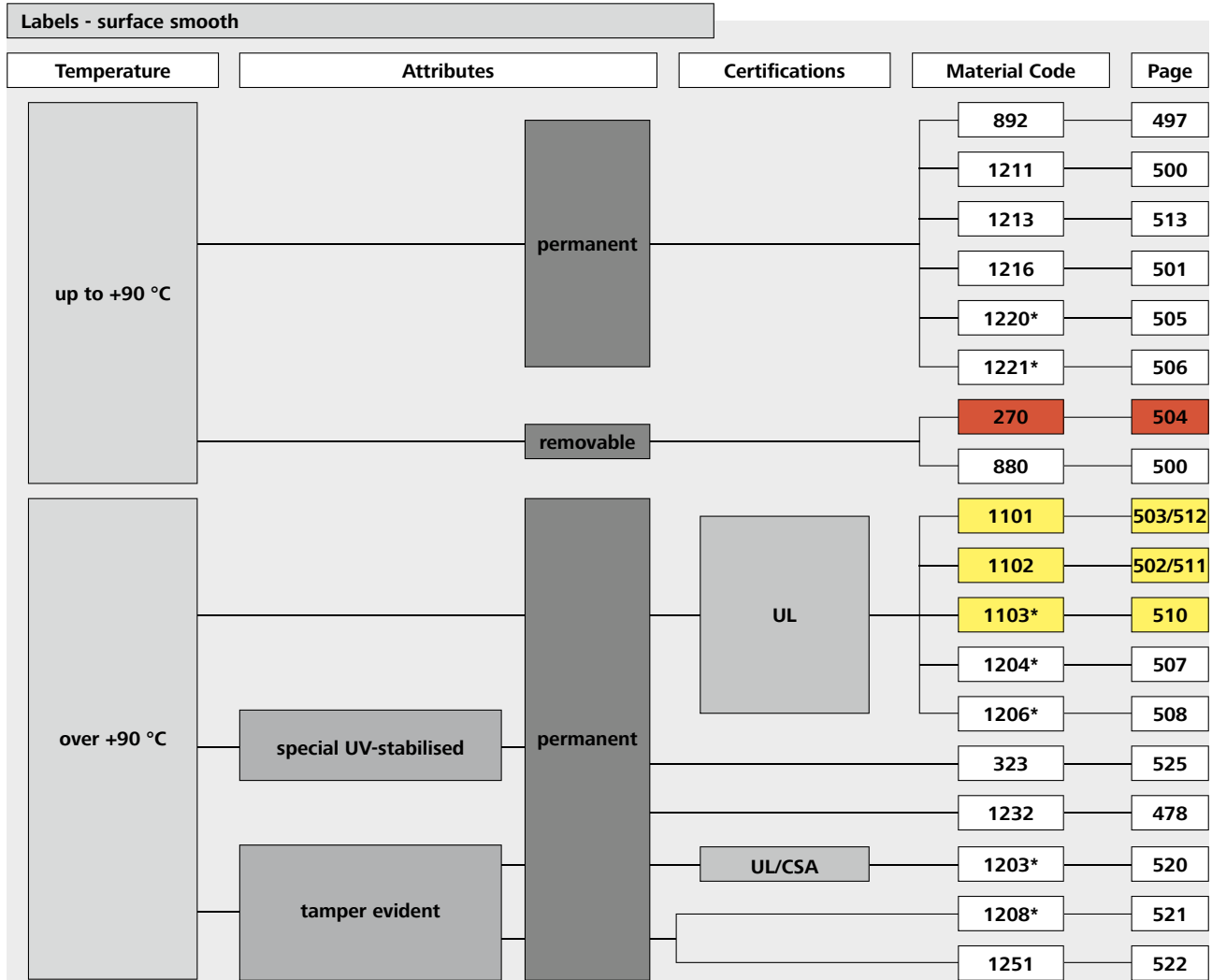


### Label and marker selection guide

Use our flowchart to find the right label or identification material.

Select the object to be identified (flat or curved surface) and its surface quality (smooth or rough). Depending on what you require from our identification systems, you will be guided through the flowchart to the end. Please note that we have highlighted the respective printer technology (thermal transfer, matrix or laser printer, etc.) in colour.

When selecting the material, the general rule is that a higher quality material can of course be used for lower requirements (e.g. a material for operating temperatures of over +90 °C can also be used for temperatures below +90 °C). And you can, of course, always ring us on our usual telephone numbers.



**Labelling material for:**

- TT printer
- Laser printer
- Handwritten identification

\* For this labelling material you can also use laser beam.

| Labels - cables/tubes smooth |            |                |               |      |
|------------------------------|------------|----------------|---------------|------|
| Temperature                  | Attributes | Certifications | Material Code | Page |
| up to +90 °C                 | permanent  |                | 1209*         | 476  |
|                              |            |                | 1401          | 482  |
|                              | 1402       |                | 483           |      |
| over +90 °C                  | removable  |                | 270           | 504  |
|                              | permanent  |                | 323*          | 479  |
|                              |            |                | 1104          | 480  |
|                              |            |                | 1105          | 481  |

| Heat shrink marker |                        |                |               |          |     |
|--------------------|------------------------|----------------|---------------|----------|-----|
| Temperature        | Attributes/Application | Certifications | Material Code | Page     |     |
| over +90 °C        | for electronics        | UL/CSA/MIL STD | TCGT*         | 459      |     |
|                    |                        |                | TULT*         | 461      |     |
|                    |                        |                | TULT DS*      | 463      |     |
|                    | for rail               | EN45545-2      |               | TLFX*    | 465 |
|                    |                        |                |               | TLFX DS* | 467 |
|                    |                        | EN50343        |               | TLFD DS* | 469 |

| TIPTAG       |                        |                |               |      |
|--------------|------------------------|----------------|---------------|------|
| Temperature  | Attributes/Application | Certifications | Material Code | Page |
| over +90 °C  | special UV-stabilised  |                | TIPTAG PU*    | 472  |
|              | for rail               | EN45545-2      | TAGLF*        | 475  |
| up to +90 °C | for rail               | EN45545-2      | TIPTAG HF*    | 471  |
|              | for food and pharma    |                | TIPTAG MC     | 473  |
|              | special UV-stabilised  |                | TAGPU*        | 474  |

## Bonding properties of labels

The great variety of places where adhesive labels can be used require a broad range of different materials and adhesives. The information given below will explain all the important aspects of this adhesion.

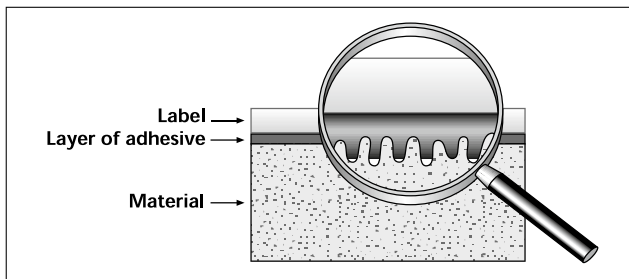
To enable you to make the right choice for your particular application quickly and efficiently, we have set out the most important selection criteria diagrammatically in our flowchart.

### Initial and final bonding

In principle there are two different bonding conditions for labels: The initial bonding which occurs immediately after the label and surface are brought together and the final bonding which represents the permanent bonding status between label and surface following the application, pressing on and curing of the adhesive. The bonding of labels is measured in a defined test process (FINAT FTM) and stated in N/mm.

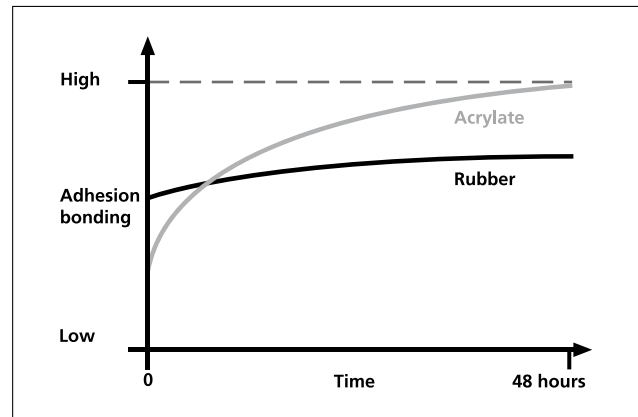
The initial bonding (or tack) describes the bonding ability of the label after it has been applied to the surface, without being pressed down.

The final bonding of labels is ultimately affected by the combined factors of material quality, adhesive basis, curing time, pressure applied and surface tension.



### Adhesion: powers of attraction between two materials

Adhesion can be described, in principle, as the ability of the adhesive to form a bond with the substrate; the substrate is the surface of the material you need the label applied to. The influencing factors for optimum bonding are the quality of the material's surface and the creep ability of the adhesive. The crucial factor is the proportion of the surface which is actually to be 'wetted' by the adhesive. Most surfaces appear – from a microscopic point of view – like a mountain range with peaks and valleys; i.e. the effective surface is much bigger than that seen by the naked eye. No matter how smooth and flat a substrate may appear to be, there is always some roughness. The better the adhesive flows into the valleys, the more bonding points it can form and the better the adhesive will bond to the surface. A thicker layer of adhesive does allow these uneven areas to be filled in better, but a thicker coat of adhesive has negative effects when labels are processed by machine (e.g. leakage of the adhesive or limited storage life).



### Adhesive basis

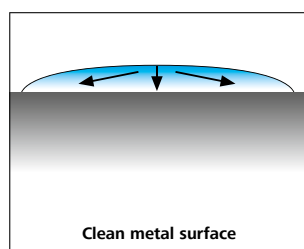
HellermannTyton currently uses acrylate and synthetic rubber as adhesive bases. Acrylate adhesives belong to the family of thermoplastic resins and at normal temperatures they provide high and lasting adhesion. When considering the final bonding of acrylate adhesives, however, it must be noted that the relatively high final bonding is only attained after a certain curing period. This is especially true of labelling materials which may be used for rating plates. Normally you must wait for at least 48 hours in a dry office environment.

Synthetic rubber-based adhesives, unlike acrylate-based adhesives, are distinguished by their high initial bonding. But this adhesive technology does not achieve a final bonding comparable to acrylate adhesives (see graph). Special mixtures of synthetic rubber are used in labelling technology, for example for removable labels, e.g. HellermannTyton material type 270.

## Effect of surface energy on bonding properties

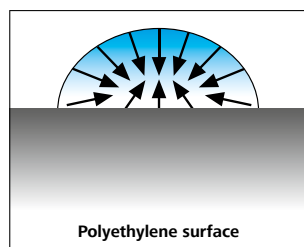
The surface energy (also known as surface tension) is an important factor in the selection of the right adhesive. Because of their chemical formulation, all surfaces have their own polarity and surface tension. The cause of surface tensions is the tendency of liquids to reduce their surface as far as possible, thus to form drops. When a surface which is to be marked (substrate) is wetted with an adhesive, in addition to the adhesive formulation and the surface quality (material, roughness, dampness etc.) the surface energy is also a decisive factor in the maximum attainable bonding force of the adhesive.

As a basic rule, it can be noted that the surface energy of the adhesive must be less than the surface energy of the material to be bonded (substrate). The adhesive should completely wet the substrate and not form any drops.



### Flat drops

- High surface energy
- Good wetting
- Good bonding properties



### Rounded drops

- Low surface energy
- Poor wetting
- Weak bonding properties

### The material combination is the decisive factor

An acrylate-based adhesive is polar and therefore has a relatively high surface energy. Acrylate-based adhesives achieve optimum final bonding on polar substrates (e.g. glass or metals) with a high surface energy. More critical is the application of labels using acrylate-based adhesives on materials with low surface energy (apolar substrates) such as, for example, silicone, polyethylene and polypropylene. The surface tensions of an acrylate-based adhesive can be reduced for particular applications by the addition of specific additives. However, this step brings with it some drawbacks, for example, a free-flowing adhesive and thus a limited life and storage ability of the labels. The lower bonding force of low-energy surfaces must therefore be taken into account of when considering the end use.

For optimum marking using acrylate-based adhesive labels, HellermannTyton uses an improved adhesive formulation, which is co-ordinated to the most common materials in industry. In most cases it is possible to guarantee very good application of these labels. In borderline cases, a modified adhesive formulation may be necessary.

Talk to us, we'll be delighted to advise you.

### Surface energies of different materials

| MATERIAL                              | Surface energy [mN÷m]* |
|---------------------------------------|------------------------|
| Polytetrafluorethylene (PTFE)         | 18                     |
| Silicon (Si)                          | 24                     |
| Polyvinyl fluoride (PVF)              | 25                     |
| Natural rubber (CR)                   | 25                     |
| Polypropylene (PP)                    | 29                     |
| Polyethylene (PE)                     | 35                     |
| Polymethyl methacrylate, Acryl (PMMA) | 36                     |
| Epoxy (EP)                            | 36                     |
| Polyoxymethylene, Acetal (POM)        | 36                     |
| Polystyrene (PS)                      | 38                     |
| Polyvinyl chloride (PVC)              | 39                     |
| Vinylidene chloride (VC)              | 40                     |
| Polyester (PET)                       | 41                     |
| Polyimide (PI)                        | 41                     |
| Polyarylsulfone (PAS)                 | 41                     |
| Phenolic resin                        | 42                     |
| Polyurethane (PUR)                    | 43                     |
| Polyamide 6 (PA 6)                    | 43                     |
| Polycarbonate (PC)                    | 46                     |
| Lead (Pb)                             | 450                    |
| Aluminium (Al)                        | 840                    |
| Copper (Cu)                           | 1,100                  |
| Chromium (Cr)                         | 2,400                  |
| Iron (Fe)                             | 2,550                  |

\*The values stated are non-binding reference values and for guidance purposes only.



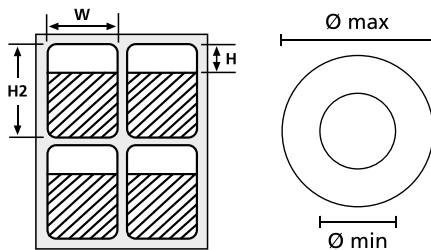
## Instructions for using labels with protective laminate

Labels with protective laminate (also known as cable laminators) have a white or coloured label field which can be written on either manually using a marker pen (see RiteOn and HELASIGN) or using a matrix, laser or thermal transfer printer (see Helatag). Depending on the design for the respective type of printing, the title block has a special surface finish to achieve the optimum print anchorage to the label substrate. This results in long-lasting, clear, sharp writing with text, graphics or barcode. A special feature is that most of the HellermannTyton protective laminate labels come with rounded corners. This achieves greater final adhesion of the protective laminate and counteracts any undesirable removal of the label, especially with cables of small diameter and in heavy-duty applications.

When calculating the minimum and maximum diameters, the following formula has been used:

$$\text{Diameter} = \frac{\text{Length of laminate}}{\pi}$$

Pi ( $\pi$ ) is the constant 3.14.



Helatag self-laminating labels.

### Minimum diameter:

To save time, when wrapping the cable with the cable laminator, a limit of max. 2 windings has been set. The protective laminate length is calculated from: Height  $H_2$  – height  $H$

By applying the “diameter” formula this produces the approx. minimum diameter:

$$\text{Diameter}_{\min} = \frac{H_2 - H}{2 \times \pi}$$

Example: TAG136LA4 ( $H = 19.05$  mm;  $H_2 = 67.7$  mm)

$$\text{Diameter}_{\min} = \frac{67.7 - 19.05}{2 \times 3.14}$$

### Maximum diameter:

In this case the minimum requirement is complete coverage of the label field with the protective laminate with a single winding. The length of the protective laminate is again obtained from the formula:  $H_2 - H$ .

By applying the “diameter” formula this produces the approx. maximum diameter, which also corresponds to double the minimum diameter:

$$\text{Diameter}_{\max} = \frac{H_2 - H}{\pi} = 2 \times \text{Diameter}_{\min}$$

Example: TAG136LA4 ( $H = 19.05$  mm;  $H_2 = 67.7$  mm)

$$\text{Diameter}_{\max} = \frac{67.7 - 19.05}{3.14} = 2 \times \text{Diameter}_{\min}$$

## Interesting facts about thermal transfer films (colour ribbons)

The thermal transfer ribbon is perhaps the most important consumable that is used in this printing system - using the right ribbon for a particular application is extremely important.

Not every transfer ribbon is equally suited to any purpose. Depending on the printing requirements (e.g. smudge or scratchproof) to be met, what type of labels will be used, an appropriate thermal transfer ribbon must be used.

Another important consideration for the thermal transfer ribbon is the electrostatic charging which can arise during the printing process. Some transfer ribbons become statically charged during the printing process, which can damage an ESD-sensitive printer head in the long run.

To clarify: The thermal transfer printer head is in physical contact with the back of the thermal transfer ribbon and consists solely of electronic, voltage-sensitive elements, which are known as dots.

These can become damaged when the thermal transfer ribbon causes discharges, which usually results in dot drop-outs. At points where the print head is damaged, no more colour is transferred. This leaves gaps on the label.

Thermal transfer films usually consist of three layers:

- A polyester strip as supporting material
- A protective, gliding backing layer on one side
- A colour layer on the other side.

The colour remains solid at room temperature, but liquefies under the effect of heat. To manufacture the colour ribbons, the polyester ribbon is coated with a special backing and then the respective coloured ink is applied. Print characteristics and bonding ability on various materials depend mainly on the chemical composition of this colour ink.

The main distinguishing feature of thermal transfer ribbons is the so-called quality of the coating. There are two basic types of thermal transfer ribbons:

### Wax-resin-based films – good synthesis

With this quality of a wax-resin mixture, the good print characteristics of the wax are essentially retained, but the resin content increases mechanical strength. The print image produced has high resistance to heat, solvents, abrasion and scratching and high print quality, e.g. for barcodes. These colour ribbons are suitable for use on synthetic materials. They can be used for most applications at standard print temperatures.

- TT932DOUT
- TT822OUT8

### Resin-based films – for very heavy-duty purposes

The colour layer at this quality level is based entirely on synthetic resins, developed for industrial applications and extreme conditions. Resin-based colour ribbons guarantee maximum readability, even on the most difficult materials (e.g. barcodes). Depending on the backing material, medium to high print temperatures and slow print speeds are necessary when using these thermal transfer films. In return, a print image is obtained which stands out for its high resistance to abrasion and scratching and great solvent and heat resistance.

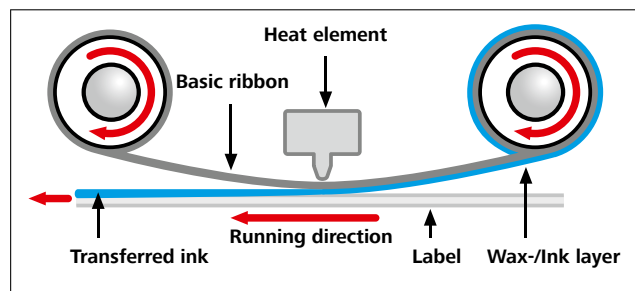
- TT822OUT
- TTRR
- TTRW
- TT122OUT
- TTDTHOUT
- TTRC+
- TTRHT

## Interesting facts about thermal transfer printing

Thermal transfer printing plays a central role, especially in the field of printing variable data, single-proofs and even for small series. This is largely due to the fact that thermal transfer printing is a non-impact printing (NIP) process. Unlike traditional printing processes, such as offset-printing, a NIP printing process does not require a fixed printing block and can therefore print out different data with consistent quality from print to print.

Due to the increasing spread and importance of one and two-dimensional barcodes in goods inventory systems, logistics and in the field of component identification, the market potential of thermal transfer printing is growing all the time. The same is also true of incremental serial numbers, inventory designations, entrance tickets, rating plates, wine labels and many more.

Good print quality, high print speeds and the option of printing almost all backing materials permanently – these are the critical advantages of thermal transfer printing. It's good readability, resistance and abrasion resistance allow thermal transfer printing to be put to use in applications where the print results from laser, inkjet or dot matrix printers are not satisfactory.



Heated dots strike a special colour ribbon, the thermal transfer film, which transfers liquefied colour ink at exactly that point onto the backing material (labels, tubes, rating plates). Our modern printers use what is known as "thin film technology", in which the very brief liquid phase of the ink produces faster print speeds and better and more precise images than with the "thick film technology" formerly used.

Moreover, the linear orientation of the labels or of the heatshrink tubing makes it possible to print on demand. The printing is then carried out as required. This is especially useful in the production of rating plates in series production.

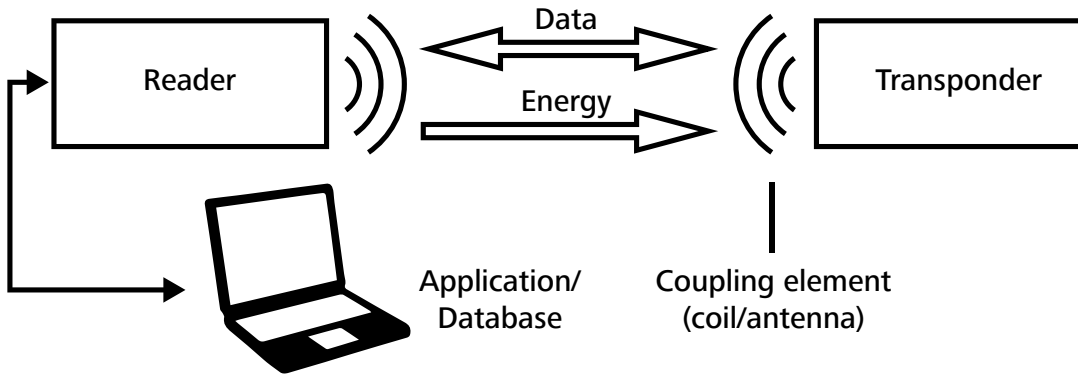
In thermal transfer printing, the print image is defined by the three components: printer, label material and thermal transfer film (colour ribbon).

### The advantages at a glance:

- High print quality with a resolution of 8-12 dots/mm (12 dots/mm corresponds to approx. 300 dpi)
- Barcode printing in excellent quality, hence good optical readability
- High print speeds of between 30 mm/sec and 150 mm/sec
- Individual graphics capability
- Problem free and rapid realisation of self designed drafts
- Quiet and service friendly printers
- Prints are UV fast and permanent with high definition and contrast and good resistance to mechanical and chemical influences.

## RFID - Radio Frequency Identification

### What is RFID?



Radio Frequency Identification, for short RFID simply means the use of radio frequency waves to uniquely identify objects. RFID tags attached to items allow users to automatically and uniquely identify and track inventory and assets.

With the help of special RFID readers the data can be transferred into databases and linked to additional information.

You can either use the programmed UID number from the chip or write your own serial data for tracking onto the transponder/tag.

There are three primary frequency ranges used for RFID transmissions – Low Frequency, High Frequency, and Ultra-High Frequency.

Reading distances can vary from short distances of a few centimeters to very long ranges of a few meters.

Depending on what you would like to achieve with RFID choosing the right frequency and transponders is key to a successful implementation.

Use HellermannTyton RFID transponders for solving asset tracking, maintenance management and intra-logistic issues.

- **RFID** ensures that each tagged items and assets are detected and identified automatically and matched up with the correct information in your database - using its unique ID or your own serial numbers
- **RFID** technology is particularly suited for asset management, asset tracking and keeping maintenance information because it allows operators to identify tools, machine and spare parts accurately, easily and rapidly
- With **RFID** you can streamline and automate asset scanning and inventoring while eliminating the possibility of human error – providing better control over your assets
- With **RFID** you can automate processes such as maintenance and service routines through improvement of information flow - during maintenance, tags information can be retrieved and providing all the information required for the job in real time
- **RFID** technologies help to lower costs by providing better control of stocks or assets. They can help keep track of and locate business assets such as portable devices from point to point

## RFID

LF: 125 kHz

HF: 13.56 MHz

UHF: 860 - 960 MHz

### Fixed memory:

Transponder Identification (UID)

### Editable Memory:

Attributes

Object Information



[www.HellermannTyton.co.uk/RFID-tracking-cat22](http://www.HellermannTyton.co.uk/RFID-tracking-cat22)

## Our Portfolio

HellermannTyton offers a range of transponders, each suitable for one or several specific applications. Among the most versatile types of transponders are HellermannTyton cable ties with integrated RFID chip. These transponders can be easily applied to many objects in a robust and lasting way. HellermannTyton also offers different types of readers for data transfer.

|                |   |
|----------------|---|
| <b>T5ORFID</b> | Cable tie with integrated RFID chip. Physical structure is based on standard T50 cable tie series. RFID chip has been positioned close to cable tie head by utilizing a dedicated cavity. Different types of RFID chips, with different characteristics are available.  |
| T5ORFIDCLA     | T5ORFID cable tie with LF (125 kHz) UNIQUE 64 bits ROM chip (ISO/IEC 15693 and 18000-2)   |
| T5ORFIDCHA     | T5ORFID cable tie with HF (13.56 MHz) Vigo 1.6 kbits chip (ISO/IEC 10536 and 18000-3)   |
| <b>T5ORFID</b> | Cable tie with overmoulded RFID transponder. Physical structure is based on standard T50 cable tie series. The RFID element is integrated as a „flag“ on the cable tie head making it possible to use an RFID inlay of high performance properties. This RFID cable ties comes in UHF frequency and is ideal if you need a long read distance or bulk reading.  |
| T5ORFIDUHF     | T5ORFID cable tie with UHF (865-868Mhz) Higgs-3 - UHF Chipset, 512 bit, ISO/IEC 18000-6C EPC Class1 Gen2  |
| <b>MCTRFID</b> | Cable tie with integrated RFID chip. Physical structure is based on standard T50 cable tie series. RFID chip has been positioned close to cable tie head by utilizing a dedicated cavity. Different types of RFID chips, with different characteristics are available. Material has been interspersed with metall particles to make cable tie or desintegrated parts of cable tie detecabele by scanning devices. |
| MCTRFIDCLA     | MCTRFID cable tie with LF (125 kHz) UNIQUE 64 bits ROM chip (ISO/IEC 15693 and 18000-2)   |
| MCTRFIDCHA     | MCTRFID cable tie with HF (13.56 MHz) Vigo 1.6 kbits chip (ISO/IEC 10536 and 18000-3)   |
| <b>MBTRFID</b> | Stainless cable tie (metal band tie) with integrated RFID chip. Physical structure is based on standard MBT series. RFID chip has been positioned in a dedicated moveable slide-on element on the metal band. Different types of RFID chips, with different characteristics are available.  |
| MBTHFCRFID     | Metal band tie with HF (13.56 Mhz) Vigo 1 kbits chip (ISO/IEC 10536 and 18000-3)  |
| MBTHHCRFID     | Metal band tie with UHF (868 MHz) 512 bits chip (ISO/IEC 18000-6C:2004)   |
| <b>CRADLE</b>  | Attachable identification element with integrated RFID chip. Suitable for cables, pipes and curved shapes. To be fixed with metal bands or cable tie. Creates distance between between object it is attached on and RFID chip to enhance radiographic charataristics.   |
| RFID CRADLE    | Attachable identification element with HF (13.56 MHz) Vigo 1.6 kbits chip (ISO/IEC 15693 and 18000-2)   |
| <b>HEXTAG</b>  | Very robust and attachable idenditification element with integrated RFID chip. To be bolted on or strapped to any object by utilising hole in center of element.  |
| RFID HEXTAG    | Attachable identification element with HF (13.56 MHz) Vigo 1.6 kbits chip (ISO/IEC 15693 and 18000-2)   |



[www.HellermannTyton.co.uk/Auto-ID-cat22](http://www.HellermannTyton.co.uk/Auto-ID-cat22)



**Other products are available in our Auto-ID brochure.**





## Product Selection Guide RFID

| Operation Temperature |        | Frequency         |            |                    |            |                   |            |
|-----------------------|--------|-------------------|------------|--------------------|------------|-------------------|------------|
| min.                  | max.   | LF (125 kHz)      |            | HF (13.56 MHz)     |            | UHF (868 MHz)     |            |
|                       |        | Name              | Page       | Name               | Page       | Name              | Page       |
| -25 °C                | +70 °C |                   |            | <b>MBTHFCRFID</b>  | <b>517</b> |                   |            |
| -25 °C                | +85 °C |                   |            | <b>RFID CRADLE</b> | <b>519</b> |                   |            |
|                       |        |                   |            | <b>MCTRFIDCHA</b>  | <b>515</b> |                   |            |
| -40 °C                | +70 °C |                   |            |                    |            | <b>T50RFIDUHF</b> | <b>516</b> |
| -40 °C                | +85 °C | <b>T50RFIDCLA</b> | <b>514</b> | <b>T50RFIDCHA</b>  | <b>514</b> | <b>MBTHHCRFID</b> | <b>517</b> |
|                       |        | <b>MCTRFIDCLA</b> | <b>515</b> | <b>HEXTAG</b>      | <b>518</b> |                   |            |

| Material  | Frequency         |            |                    |            |                   |            |
|---|-------------------|------------|--------------------|------------|-------------------|------------|
|   | LF (125 kHz)      |            | HF (13.56 MHz)     |            | UHF (868 MHz)     |            |
|   | Name              | Page       | Name               | Page       | Name              | Page       |
| Polyamide 6.6 (PA66)                                      | <b>T50RFIDCLA</b> | <b>514</b> | <b>T50RFIDCHA</b>  | <b>514</b> |                   |            |
|   |                   |            | <b>RFID HEXTAG</b> | <b>518</b> |                   |            |
| Polyamide 6.6 (PA66) and Thermoplastic Polyurethane (TPU) |                   |            |                    |            | <b>T50RFIDUHF</b> | <b>516</b> |
| Polyamide 6.6 with metal particle                         |                   |            | <b>MCTRFIDCHA</b>  | <b>515</b> |                   |            |
| Stainless Steel (SS316)<br>Polyester (SP)                 |                   |            | <b>MBTHFCRFID</b>  | <b>517</b> | <b>MBTHHCRFID</b> | <b>517</b> |
| Thermoplastic Polyurethan (TPU)                           |                   |            | <b>RFID CRADLE</b> | <b>519</b> |                   |            |
| Polyamid 6.6, UV resistant (PA66 W)                       |                   |            | <b>T50RFIDCHA</b>  | <b>514</b> |                   |            |



## Product Selection Guide RFID

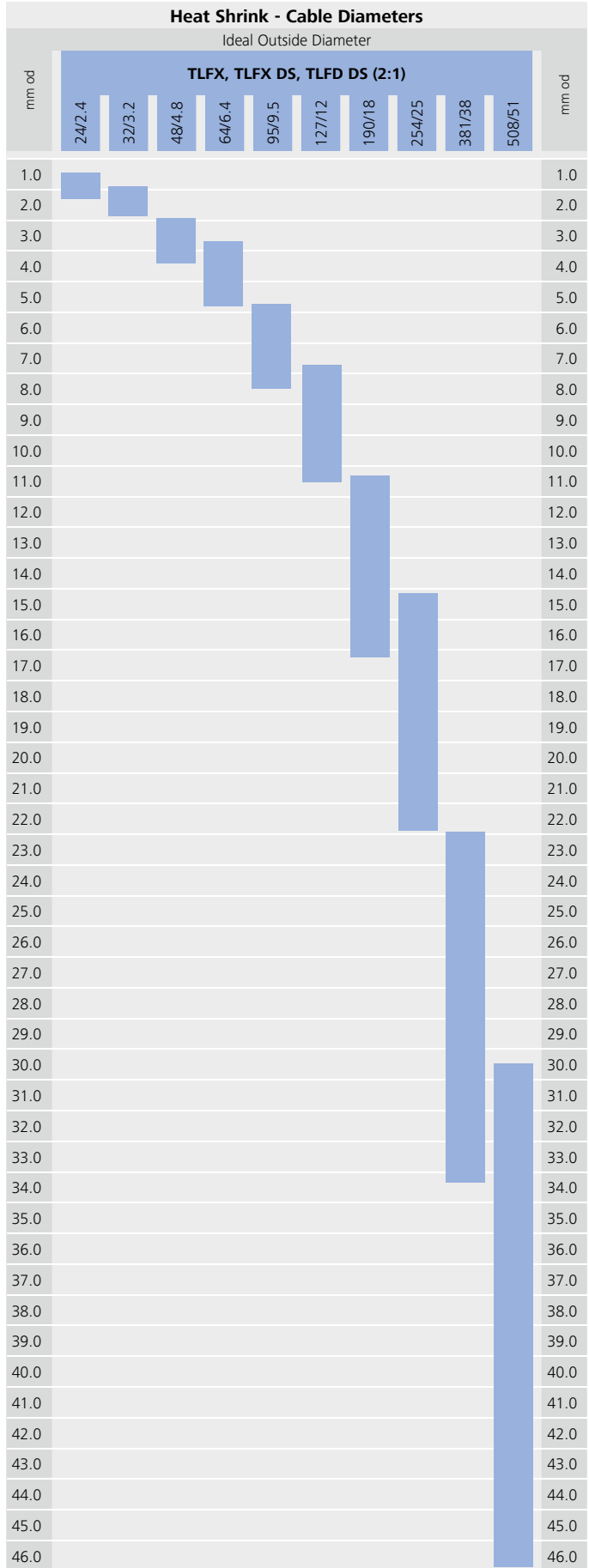
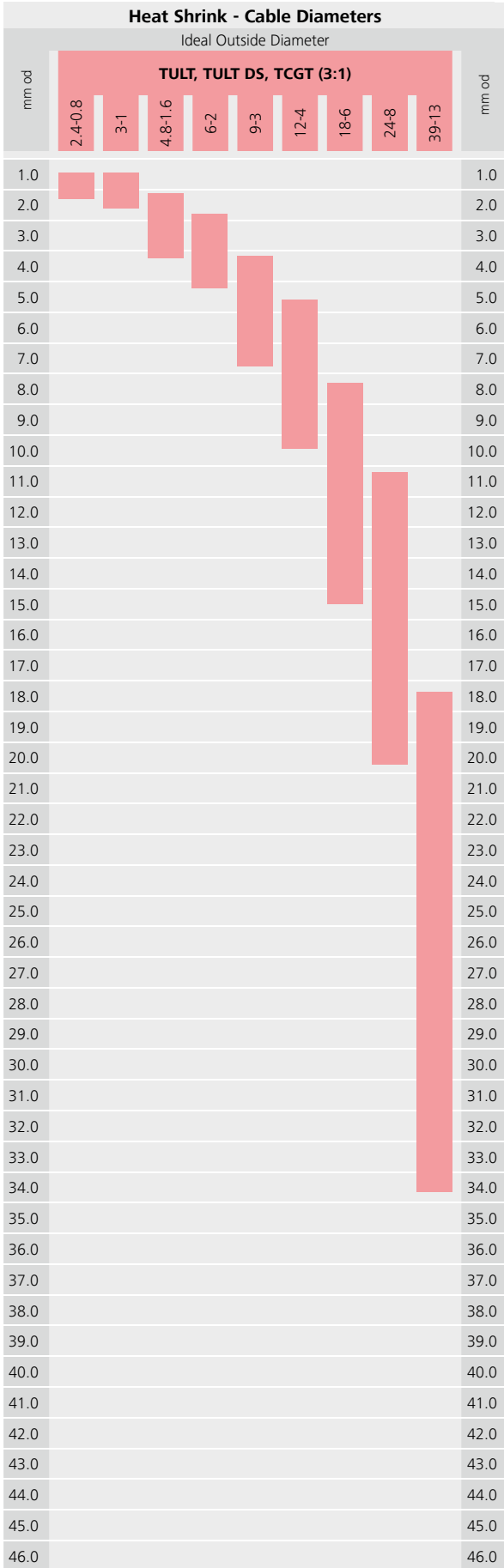
| Mounting Method | Frequency    |      |                |      |               |      |
|-----------------|--------------|------|----------------|------|---------------|------|
|                 | LF (125 kHz) |      | HF (13.56 MHz) |      | UHF (868 MHz) |      |
|                 | Name         | Page | Name           | Page | Name          | Page |
| Tie On          | T50RFIDCLA   | 514  | T50RFIDCHA     | 514  | MBTHHCRFID    | 517  |
|                 | MCTRFIDCLA   | 515  | MCTRFIDCHA     | 515  | T50RFIDUHF    | 516  |
|                 |              |      | MBTHFCRFID     | 517  |               |      |
|                 |              |      | RFID CRADLE    | 519  |               |      |
| Bolt On         |              |      | RFID HEXTAG    | 518  |               |      |

| Flammability                 | Frequency    |      |                |      |               |      |
|------------------------------|--------------|------|----------------|------|---------------|------|
|                              | LF (125 kHz) |      | HF (13.56 MHz) |      | UHF (868 MHz) |      |
|                              | Name         | Page | Name           | Page | Name          | Page |
| UL 94 V2                     | T50RFIDCLA   | 514  | T50RFIDCHA     | 514  | MBTHHCRFID    | 517  |
|                              |              |      | MCTRFIDCHA     | 515  |               |      |
|                              |              |      | MBTHFCRFID     | 517  |               |      |
|                              |              |      | RFID HEXTAG    | 518  |               |      |
|                              |              |      | RFID CRADLE    | 519  |               |      |
| non-burning (except coating) |              |      | MBTHFCRFID     | 517  | MBTHHCRFID    | 517  |

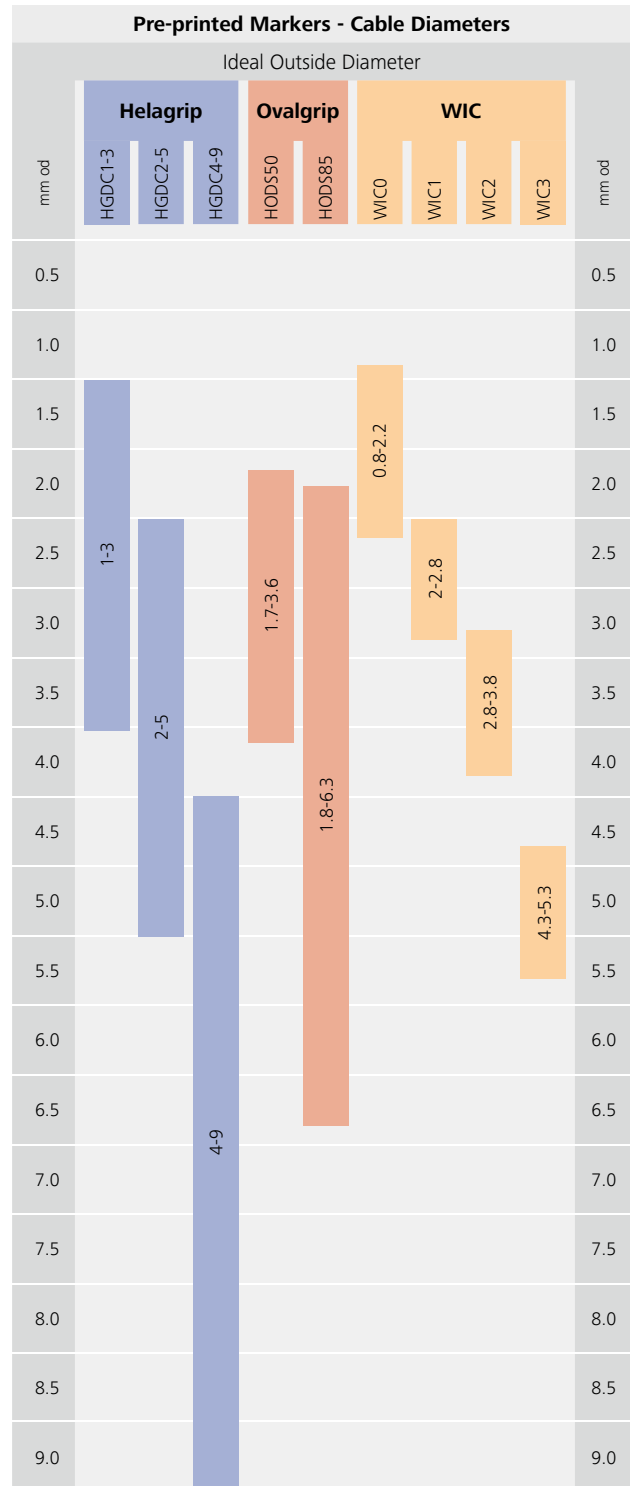
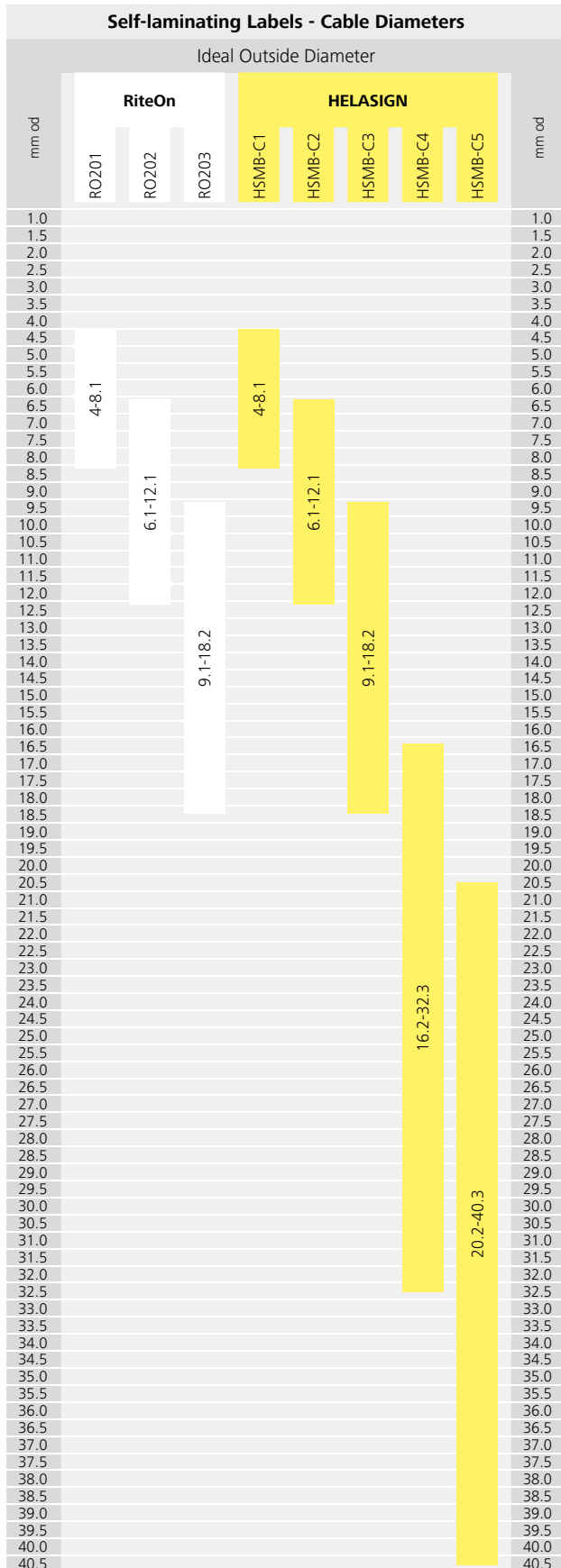
| ATEX certified | Frequency    |      |                |      |               |      |
|----------------|--------------|------|----------------|------|---------------|------|
|                | LF (125 kHz) |      | HF (13.56 MHz) |      | UHF (868 MHz) |      |
|                | Name         | Page | Name           | Page | Name          | Page |
| Yes            | T50RFIDCLA   | 514  | T50RFIDCHA     | 514  |               |      |
|                |              |      | MCTRFIDCHA     | 515  |               |      |
|                |              |      | RFID HEXTAG    | 518  |               |      |
|                |              |      | RFID CRADLE    | 519  |               |      |
| No             |              |      | MBTHFCRFID     | 517  | MBTHHCRFID    | 517  |



### Size Selection Guide

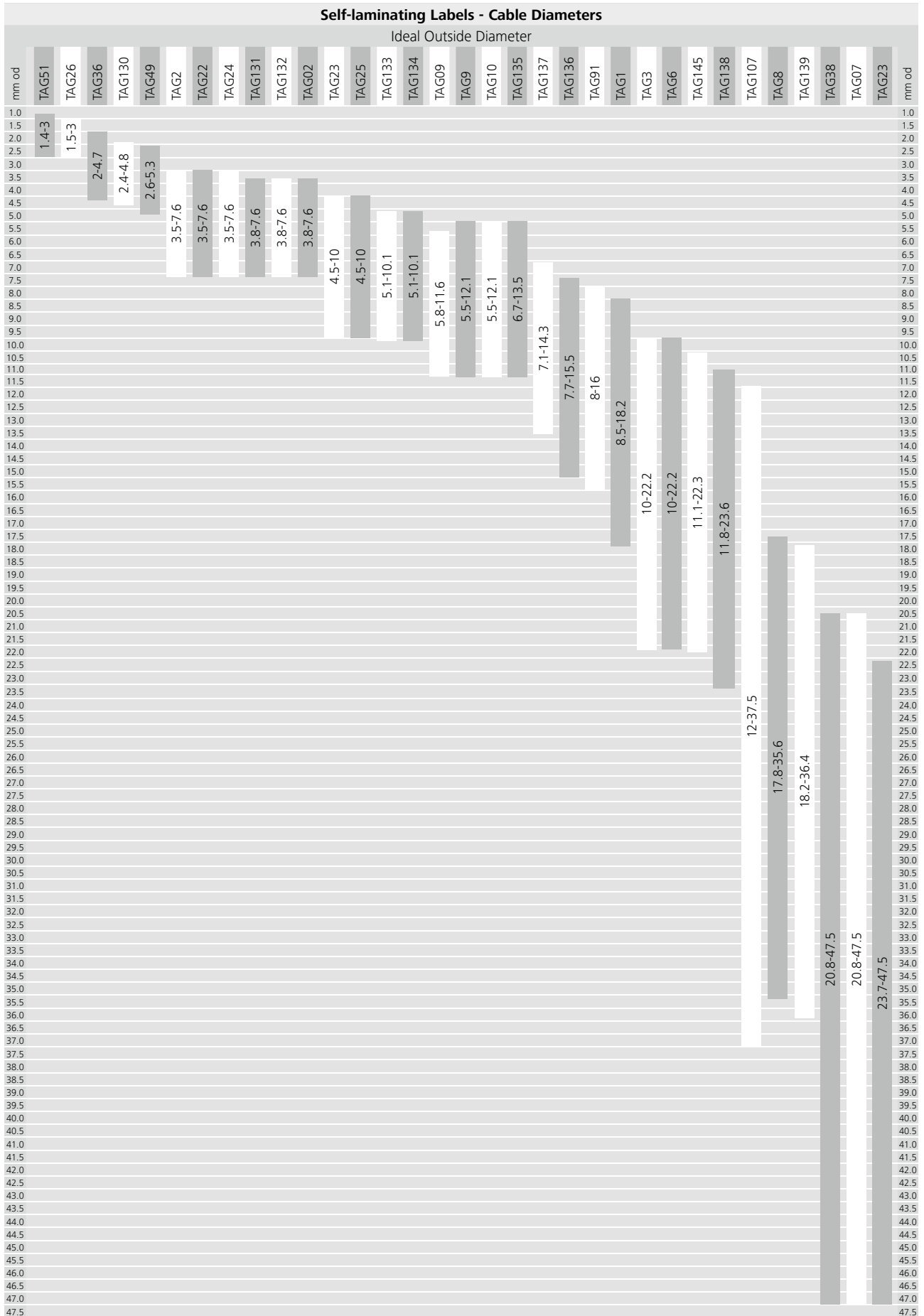


## Size Selection Guide





## Size Selection Guide

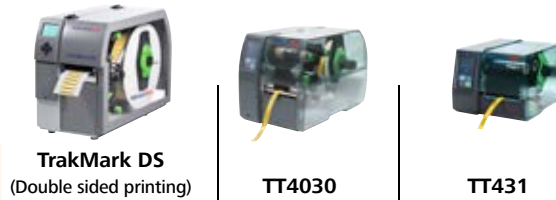


## Printers, ribbons and label types/materials

This table will help you select the correct printer and ribbon for specific material/label types. Please refer to the page indicated in the last column of the table for additional information.



[www.HellermannTyton.co.uk/TTprinter-cat22](http://www.HellermannTyton.co.uk/TTprinter-cat22)



| Material     | Label type | Printing method | TrakMark DS<br>(Double sided printing) | TT4030<br>TagPrint Pro | TT431 | Ribbon                        | Page     |
|--------------|------------|-----------------|--|------------------------|-------|-------------------------------|----------|
|              |            |                 |  |                        |       |                               |          |
| TCGT         |            |                 | •                                      | •                      | •     | TTDTHOUT<br>TTRW<br>TT822OUT8 | 459      |
| TULT         |            |                 | •                                      | •                      | •     | TTDTHOUT<br>TTRW<br>TT822OUT8 | 461      |
| TULT DS      |            |                 | •                                      | •                      | •     | TTDTHOUT                      | 463      |
| TLFX         |            |                 | •                                      | •                      | •     | TTDTHOUT                      | 465      |
| TLFX DS      |            |                 | •                                      | •                      | •     | TTDTHOUT                      | 467      |
| TLFD DS      |            |                 | •                                      | •                      | •     | TTDTHOUT                      | 469      |
| TIPTAG HF    |            |                 | -                                      | •                      | •     | TTDTHOUT                      | 471      |
| TIPTAG PU    |            |                 | -                                      | •                      | •     | TTRC+                         | 472      |
| TIPTAG MC    |            |                 | -                                      | •                      | •     | TTDTHOUT<br>TTRW              | 473      |
| TAGPU        |            |                 | -                                      | •                      | •     | TTRHT                         | 474      |
| TAGLF        |            |                 | -                                      | •                      | •     | TTDTHOUT                      | 475      |
| Helatag 1209 |            |                 | -                                      | •                      | •     | TT932DOUT                     | 476      |
| Helatag 1232 |            |                 | -                                      | •                      | •     | TT822OUT                      | 478      |
| Helatag 323  |            |                 | -                                      | •                      | •     | TT822OUT                      | 479, 525 |
| Helatag 892  |            |                 | -                                      | •                      | •     | TT822OUT                      | 497      |
| Helatag 1211 |            |                 | -                                      | •                      | •     | TT822OUT                      | 500      |





| Material     | Label type | Printing method | TrakMark DS<br>(Double sided printing) | TT4030<br>TagPrint Pro | TT431 | Ribbon               | Page |
|--------------|------------|-----------------|--|------------------------|-------|----------------------|------|
|              |            |                 |  |                        |       |                      |      |
| Helatag 880  |            |                 | -                                      | •                      | •     | TT822OUT             | 500  |
| Helatag 1216 |            |                 | -                                      | •                      | •     | TT822OUT             | 501  |
| Helatag 1220 |            |                 | -                                      | •                      | •     | TT822OUT<br>TT122OUT | 505  |
| Helatag 1221 |            |                 | -                                      | •                      | •     | TT822OUT<br>TT122OUT | 506  |
| Helatag 1204 |            |                 | -                                      | •                      | •     | TT822OUT             | 507  |
| Helatag 1206 |            |                 | -                                      | •                      | •     | TT822OUT             | 508  |
| Helatag 1213 |            |                 | -                                      | •                      | •     | TT822OUT<br>TTRW     | 513  |
| Helatag 1203 |            |                 | -                                      | •                      | •     | TT822OUT             | 520  |
| Helatag 1208 |            |                 | -                                      | •                      | •     | TT822OUT             | 521  |
| Helatag 1251 |            |                 | -                                      | •                      | •     | TT822OUT             | 522  |

| Material     | Label type | Printing method | Page     |
|--------------|------------|-----------------|----------|
| Helatag 1104 |            |                 | 480      |
| Helatag 1105 |            |                 | 481      |
| Helafix HFX  |            |                 | 499      |
| Helatag 1102 |            |                 | 502, 511 |
| Helatag 1101 |            |                 | 503, 512 |

| Material               | Label type | Printing method | Page |
|------------------------|------------|-----------------|------|
| Helatag 1103           |            |                 | 510  |
| RiteOn Material 1401   |            |                 | 482  |
| HELASIGN Material 1402 |            |                 | 483  |
| HELASIGN Material 270  |            |                 | 504  |



Thermal transfer printing



Laser printing



Laser beam



Manual writing/markings



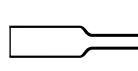
Self-lamination label



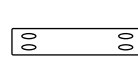
Plain label



Continuous roll



Shrinkable marker







Identification tag

### Label Material Specifications



#### Laser printing



| Material                             | 1101  | 1102              | 1103   | 1104   | 1105       |
|--------------------------------------|---|-------------------|--|--|------------|
| <b>Material Description</b>          | Polyester, white  | Polyester, yellow | Polyester, silver (SR)   | Polyester self-laminating, super transparent with white write on area.               |            |
| <b>Material Application</b>          | Permanent identification of assets and components, particularly suitable for identification of switch panels. |                   | Permanent identification of assets and components. Particularly suitable for type- and nameplates. | Self-laminating wire and cable marking, also suitable for flat cables.               |            |
| <b>Thickness of foil (TF)</b>        | 55 µm   |                   | 53 µm  | 25 µm  | 50 µm      |
| <b>Operating Temperature</b>         | -40 °C to +150 °C   |                   |  |  |            |
| <b>Curing Temperature</b>            | from 0 °C   |                   |  | from +10 °C  | from +2 °C |
| <b>Adhesive</b>                      | Acrylic   |                   |  |  |            |
| <b>Material Durability</b>           | 2 years external weathering (central European climate)  |                   |  |  |            |
| <b>Label Type</b>                    |                              |                   |  |   |            |
| <b>Certification / Specification</b> |                             |                   |  |  |            |
| <b>Page</b>                          | 503, 512  | 502, 511          | 510  | 480  | 481        |

#### Manual marking/writing







| Material                      | 270  | 1401  | 1402   |
|-------------------------------|--|---|--|
| <b>Material Description</b>   | Type 270, yellow cotton cloth material   | Self-laminating super transparent vinyl with write on area                            |  |
| <b>Material Application</b>   | Temporary/permanent identification of assets and components, particularly suitable for switch panels | Self-laminating cable and wire marking (also suitable for flat ribbon cables).        |  |
| <b>Thickness of foil (TF)</b> | 150 µm   | 80 µm   |  |
| <b>Operating Temperature</b>  | -29 °C to +80 °C   | -40 °C to +80 °C  |  |
| <b>Curing Temperature</b>     | from +10 °C  | from +8 °C  |  |
| <b>Adhesive</b>               | Synthetic rubber   | Acrylic   |  |
| <b>Material Durability</b>    | 1 year external weathering (central European climate)  | 2 years external weathering (central European climate)                                | 3 years external weathering (central European climate) |
| <b>Label Type</b>             |                   |  |  |
| <b>Page</b>                   | 504  | 482   | 483  |

## Label Material Specifications

## Thermal transfer printing



| Material                             | 323  |   | 880  |
|--------------------------------------|--|---|--|
| <b>Material Description</b>          | Transparent polyvinylidene fluoride foil. The foil is excellent resistance against a big variety of chemicals and solvents. The material is flame retardent. | Polyvinylidene Fluoride, transparent with white or yellow write on area (WHCL/YECL), chemical resistant | Vinyl, matt yellow (YE)  |
| <b>Material Application</b>          | Protective laminate for labels in extreme dirty environments. Especially designed for military and aeronautic applications.                                  | Self-laminating wire and cable identification for extremely dirty environments.                         | General Identification. Suitable for temporary and permanent identification.         |
| <b>Mech. Material Properties</b>     | use as protective over-laminate or clear printable label   | permanent adhesive, extremely scratch resistant   | Adhesive removable without traces  |
| <b>Thickness of foil (TF)</b>        | 25 µm  |   | 80 µm  |
| <b>Operating Temperature</b>         | -40 °C to +140 °C  |   | -40 °C to +80 °C   |
| <b>Curing Temperature</b>            | from +10 °C  |   |  |
| <b>Adhesive</b>                      | Acrylic  |   |  |
| <b>Material Durability</b>           | 5 years external weathering (central European climate). Excellent indoor use.  |   | 2 years external weathering (central European climate)                               |
| <b>Label Type</b>                    |    |                       |  |
| <b>Certification / Specification</b> |   |   |  |
| <b>Page</b>                          | 525  | 479   | 500  |




### Label Material Specifications

#### Thermal transfer printing



| Material                             | 1203   | 1251  | 892  |
|--------------------------------------|--|---|--|
| <b>Material Description</b>          | Polyester, silver (SR), tamper proof, adhesive suitable for critical surfaces  | Polyester, silver (SR), tamper-proof (1251A) and polyester, transparent (CL) as overlamine (1251B). Set out of 2 materials.                                       | A smooth, white (WH) vinyl foil. Adhesive suitable for critical surfaces.    |
| <b>Material Application</b>          | Electrical and electronic identification. Security and warranty identification of components, housings and nameplates. | For automotive and electric industries for tamper-proof applications. Particularly suitable as type label according to norms of German Kraftfahrtbundesamt (KBA). | Use with IT identification ties, Q-tags and AT/IMP plates.                   |
| <b>Mech. Material Properties</b>     | Tamper-proof identification, leaves small checkboard traces.   |   | Permanent adhesive, suitable for critical surfaces like low energy surfaces. |
| <b>Thickness of foil (TF)</b>        | 53 µm  | 63 µm, 35 µm  | 83 µm  |
| <b>Operating Temperature</b>         | -40 °C to +120 °C  | -40 °C to +150 °C   | -40 °C to +80 °C   |
| <b>Curing Temperature</b>            | from +7 °C   | from 0 °C (label), from +4 °C (lamine)  | from 0 °C  |
| <b>Adhesive</b>                      | Acrylic  |   |  |
| <b>Material Durability</b>           | 2 years external weathering (central European climate)   |   | 3 years external weathering (central European climate)                       |
| <b>Label Type</b>                    |                                     |   |  |
| <b>Certification / Specification</b> |                                     |   |  |
| <b>Page</b>                          | 520  | 522   | 497  |



| Material                             | 1204  | 1206  | 1208  | 1209   |
|--------------------------------------|---|---|---|--|
| <b>Material Description</b>          | A silver-matt, highly heat resistant, reverse side aluminised Polyester. Adhesive suitable for critical surfaces. | Polyester, temperature resistant with high adhesiveness   | Acetate foil, white (WH), tamper proof  | Vinyl, transparent with white write on area (WHCL)                                   |
| <b>Material Application</b>          | Electro and electrical identification. Permanent identification of components and housings with type labels.      | Electro and electrical identification. Permanent identification of components with type labels. | General identification with need of manipulation detection                            | Self laminating cable and wire identification, also suitable for flat ribbon cables. |
| <b>Mech. Material Properties</b>     | permanent adhesive, suitable for critical surfaces  |   | Tamper-proof, material will easily fragment if removed.                               | Due to its flexibility particularly suitable for identification of cables            |
| <b>Thickness of foil (TF)</b>        | 53 µm   | 50 µm   | 56 µm   | 90 µm  |
| <b>Operating Temperature</b>         | -40 °C to +150 °C   |   |   | -20 °C to +80 °C   |
| <b>Curing Temperature</b>            | from 0 °C   |   | from +4 °C  | from 0 °C  |
| <b>Adhesive</b>                      | Acrylic   |   |   |  |
| <b>Material Durability</b>           | 2 years external weathering (central European climate)  |   |   |  |
| <b>Label Type</b>                    |                                |   |  |  |
| <b>Certification / Specification</b> |                                |   |   |  |
| <b>Page</b>                          | 507   | 508   | 521   | 476  |

## Label Material Specifications

## Thermal transfer printing

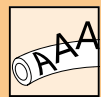


| Material                         | 1211   | 1213  | 1216  |
|----------------------------------|--|---|---|
| <b>Material Description</b>      | A smooth, gloss yellow (GSYE) painted vinyl foil. Adhesive suitable for critical surfaces. | Type 1213 is a coloured and very smooth vinyl material with excellent outdoor properties. It has nearly endless shelf life when used indoors. | Polyethylene, matt white (WH)   |
| <b>Material Application</b>      | Identification of control panels.  | Warehouse labeling, warning notices. Also General marking purposes.   | Permanent identification of components and preassembled units within electrical industry as well as asset identification. |
| <b>Mech. Material Properties</b> | permanent adhesive, suitable for critical surfaces   | permanent adhesive, suitable for rough surfaces   | permanent adhesive, suitable for critical surfaces  |
| <b>Thickness of foil (TF)</b>    | 84 µm  | 95 µm   | 105 µm  |
| <b>Operating Temperature</b>     | -20 °C to +80 °C   | -40 °C to +90 °C  | -30 °C to +80 °C  |
| <b>Curing Temperature</b>        | from +5 °C   | from +8 °C  | from 0 °C   |
| <b>Adhesive</b>                  | Acrylic  |   |   |
| <b>Material Durability</b>       | 2 years external weathering (central European climate)                                     | 7 years external weathering (central European climate)  | 2 years external weathering (central European climate)  |
| <b>Label Type</b>                |  |   |   |
| <b>Page</b>                      | 500  | 513   | 501   |



| Material                         | 1220   | 1221  | 1232  |
|----------------------------------|--|---|---|
| <b>Material Description</b>      | A white (WH), glossy polyester label mounted with a compressible foam carrier  | A silver (SR), polyester label mounted with a compressible foam carrier | Polyester, transparent with white write on area (WHCL)                            |
| <b>Material Application</b>      | Suitable for indoor and outdoor applications on smooth and slightly rough surfaces. Especially used for the identification of electrical cabinets and electrical components. |   | Self-laminating cable and wire identification, also suitable for hydraulic wires. |
| <b>Mech. Material Properties</b> | Permanent adhesive with an elastic foam carrier  |   | Due to its flexibility particularly suitable for identification of cables.        |
| <b>Thickness of foil (TF)</b>    | 50 µm  |   |   |
| <b>Operating Temperature</b>     | -40 °C to +90 °C   |   | -40 °C to +150 °C   |
| <b>Curing Temperature</b>        | from +10 °C  |   | from +2 °C  |
| <b>Adhesive</b>                  | Acrylic  |   |   |
| <b>Material Durability</b>       | 2 years external weathering (central European climate)   |   |   |
| <b>Label Type</b>                |  |   |   |
| <b>Page</b>                      | 505  | 506   | 478   |





### Shrinkable markers, "Continuous Tube", thermal transfer

#### TCGT – 3:1 Commercial Grade

TCGT is a commercial grade 3:1 heat shrink marker material supplied as a continuous tube and printable on both sides. TCGT's polyolefin compound has good mechanical strength and resistance to organic solvents and chemicals. The surface of the tubing has been especially prepared so that print performance is excellent at all times. HellermannTyton's printer range allow users to create a high quality print. In addition it is possible to either perforate the tubing at pre-determined lengths or fully sever the markers.

#### Features and benefits

- Shrink ratio 3:1
- Available in Black, Blue, Red, White, and Yellow
- Cable range from 39mm to 1mm
- Good mechanical strength and resistance to organic solvents and chemicals
- Highly flexible
- Fulfils CSA requirements
- Delivery in convenient storage boxes
- Easy label design with TagPrint Pro



TCGT – five colours of printable tube to cover a wide range of diameters.



TCGT continuous tube – printable on both sides.



For size matrix please refer to page 450.

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>MATERIAL</b>                 | Polyolefin, cross-linked (PO-X) |
| <b>Operating Temperature</b>    | -55 °C to +135 °C               |
| <b>Min. Shrink Temperature</b>  | +90 °C                          |
| <b>Shrink Ratio</b>             | 3:1                             |
| <b>Recommended Ribbon Type</b>  | TTDTHOUT, TTRW, TT822OUT8       |
| <b>Thermal Transfer Printer</b> | TT431, TT4030, TrakMark DS      |



RoHS

| TYPE      | Supplied Ø D min. | Recov. Ø d max. | Wall (WT) | Pack Cont. | Colour      | Article-No. |
|-----------|-------------------|-----------------|-----------|------------|-------------|-------------|
| TCGT3-1BK | 3.0               | 1.0             | 0.56      | 176 m      | Black (BK)  | 553-30352   |
| TCGT3-1BU | 3.0               | 1.0             | 0.56      | 176 m      | Blue (BU)   | 553-30353   |
| TCGT3-1RD | 3.0               | 1.0             | 0.56      | 176 m      | Red (RD)    | 553-30354   |
| TCGT3-1WH | 3.0               | 1.0             | 0.56      | 176 m      | White (WH)  | 553-30351   |
| TCGT3-1YE | 3.0               | 1.0             | 0.56      | 176 m      | Yellow (YE) | 553-30350   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.  
More colours on request.



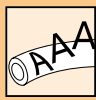
For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-459](http://www.HT.click/49-459)





### Shrinkable markers, "Continuous Tube", thermal transfer

TCGT – 3:1 Commercial Grade



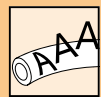
| TYPE          | Supplied<br>Ø D min. | Recov.<br>Ø d max. | Wall<br>(WT) | Pack<br>Cont. | Colour      | Article-No. |
|---------------|----------------------|--------------------|--------------|---------------|-------------|-------------|
| TCGT4.8-1.6BK | 4.8                  | 1.6                | 0.56         | 110 m         | Black (BK)  | 553-30452   |
| TCGT4.8-1.6BU | 4.8                  | 1.6                | 0.56         | 110 m         | Blue (BU)   | 553-30453   |
| TCGT4.8-1.6RD | 4.8                  | 1.6                | 0.56         | 110 m         | Red (RD)    | 553-30454   |
| TCGT4.8-1.6WH | 4.8                  | 1.6                | 0.56         | 110 m         | White (WH)  | 553-30451   |
| TCGT4.8-1.6YE | 4.8                  | 1.6                | 0.56         | 110 m         | Yellow (YE) | 553-30450   |
| TCGT6-2BK     | 6.0                  | 2.0                | 0.64         | 110 m         | Black (BK)  | 553-30652   |
| TCGT6-2BU     | 6.0                  | 2.0                | 0.64         | 110 m         | Blue (BU)   | 553-30653   |
| TCGT6-2RD     | 6.0                  | 2.0                | 0.64         | 110 m         | Red (RD)    | 553-30654   |
| TCGT6-2WH     | 6.0                  | 2.0                | 0.64         | 110 m         | White (WH)  | 553-30651   |
| TCGT6-2YE     | 6.0                  | 2.0                | 0.64         | 110 m         | Yellow (YE) | 553-30650   |
| TCGT9-3BK     | 9.0                  | 3.0                | 0.64         | 72 m          | Black (BK)  | 553-30952   |
| TCGT9-3BU     | 9.0                  | 3.0                | 0.64         | 72 m          | Blue (BU)   | 553-30953   |
| TCGT9-3RD     | 9.0                  | 3.0                | 0.64         | 72 m          | Red (RD)    | 553-30954   |
| TCGT9-3WH     | 9.0                  | 3.0                | 0.64         | 72 m          | White (WH)  | 553-30951   |
| TCGT9-3YE     | 9.0                  | 3.0                | 0.64         | 72 m          | Yellow (YE) | 553-30950   |
| TCGT12-4BK    | 12.0                 | 4.0                | 0.68         | 54 m          | Black (BK)  | 553-31252   |
| TCGT12-4BU    | 12.0                 | 4.0                | 0.68         | 54 m          | Blue (BU)   | 553-31253   |
| TCGT12-4RD    | 12.0                 | 4.0                | 0.68         | 54 m          | Red (RD)    | 553-31254   |
| TCGT12-4WH    | 12.0                 | 4.0                | 0.68         | 54 m          | White (WH)  | 553-31251   |
| TCGT12-4YE    | 12.0                 | 4.0                | 0.68         | 54 m          | Yellow (YE) | 553-31250   |
| TCGT18-6BK    | 18.0                 | 6.0                | 0.90         | 26 m          | Black (BK)  | 553-31852   |
| TCGT18-6BU    | 18.0                 | 6.0                | 0.90         | 26 m          | Blue (BU)   | 553-31853   |
| TCGT18-6RD    | 18.0                 | 6.0                | 0.90         | 26 m          | Red (RD)    | 553-31854   |
| TCGT18-6WH    | 18.0                 | 6.0                | 0.90         | 26 m          | White (WH)  | 553-31851   |
| TCGT18-6YE    | 18.0                 | 6.0                | 0.90         | 26 m          | Yellow (YE) | 553-31850   |
| TCGT24-8BK    | 24.0                 | 8.0                | 0.98         | 26 m          | Black (BK)  | 553-32452   |
| TCGT24-8BU    | 24.0                 | 8.0                | 0.98         | 26 m          | Blue (BU)   | 553-32453   |
| TCGT24-8RD    | 24.0                 | 8.0                | 0.98         | 26 m          | Red (RD)    | 553-32454   |
| TCGT24-8WH    | 24.0                 | 8.0                | 0.98         | 26 m          | White (WH)  | 553-32451   |
| TCGT24-8YE    | 24.0                 | 8.0                | 0.98         | 26 m          | Yellow (YE) | 553-32450   |
| TCGT39-13BK   | 39.0                 | 13.0               | 1.08         | 10 m          | Black (BK)  | 553-33952   |
| TCGT39-13BU   | 39.0                 | 13.0               | 1.08         | 10 m          | Blue (BU)   | 553-33953   |
| TCGT39-13RD   | 39.0                 | 13.0               | 1.08         | 10 m          | Red (RD)    | 553-33954   |
| TCGT39-13WH   | 39.0                 | 13.0               | 1.08         | 10 m          | White (WH)  | 553-33951   |
| TCGT39-13YE   | 39.0                 | 13.0               | 1.08         | 10 m          | Yellow (YE) | 553-33950   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.  
More colours on request.



For product specific approvals and specifications please refer to the Appendix.





### Shrinkable markers "Continuous Tube", thermal transfer

#### TULT – 3:1 Military and Electronics

TULT is a UL recognized 3:1 heat shrink marker material supplied as a continuous tube and printable on both sides. TULT's polyolefin compound has good mechanical strength and resistance to organic solvents and chemicals. The surface of the tubing has been especially prepared so that print performance is excellent at all times. HellermannTyton's printer range allow users to create a high quality print. In addition it is possible to either perforate the tubing at pre-determined lengths or fully sever the markers.

#### Features and benefits

- Shrink ratio 3:1
- Available in black, blue, red, white and yellow
- Cable range from 39 mm to 1 mm
- Good mechanical strength and resistance to organic solvents and chemicals
- Highly flexible
- Delivery in convenient storage boxes



TULT – good mechanical strength and resistance to organic solvents and chemicals.



TULT – five colours of UL recognised printable tube to cover a wide range of diameters.



For size matrix please refer to page 450.

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>MATERIAL</b>                 | Polyolefin, cross-linked (PO-X) |
| <b>Operating Temperature</b>    | -55 °C to +135 °C               |
| <b>Min. Shrink Temperature</b>  | +90 °C                          |
| <b>Shrink Ratio</b>             | 3:1                             |
| <b>Recommended Ribbon Type</b>  | TTDTHOUT, TTRW, TT822OUT8       |
| <b>Thermal Transfer Printer</b> | TT431, TT4030, TrakMark DS      |



**RoHS** ✓

| TYPE      | Supplied Ø D min. | Recov. Ø d max. | Wall (WT) | Pack Cont. | Colour      | Article-No. |
|-----------|-------------------|-----------------|-----------|------------|-------------|-------------|
| TULT3-1BK | 3.0               | 1.0             | 0.56      | 176 m      | Black (BK)  | 553-40352   |
| TULT3-1BU | 3.0               | 1.0             | 0.56      | 176 m      | Blue (BU)   | 553-40353   |
| TULT3-1RD | 3.0               | 1.0             | 0.56      | 176 m      | Red (RD)    | 553-40354   |
| TULT3-1WH | 3.0               | 1.0             | 0.56      | 176 m      | White (WH)  | 553-40351   |
| TULT3-1YE | 3.0               | 1.0             | 0.56      | 176 m      | Yellow (YE) | 553-40350   |

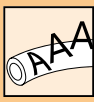
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. More colours on request.



For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!  
[www.HT.click/49-461](http://www.HT.click/49-461)



### Shrinkable markers "Continuous Tube", thermal transfer

TULT – 3:1 Military and Electronics



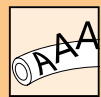
| TYPE          | Supplied<br>Ø D min. | Recov.<br>Ø d max. | Wall<br>(WT) | Pack<br>Cont. | Colour      | Article-No. |
|---------------|----------------------|--------------------|--------------|---------------|-------------|-------------|
| TULT4.8-1.6BK | 4.8                  | 1.6                | 0.56         | 110 m         | Black (BK)  | 553-40452   |
| TULT4.8-1.6BU | 4.8                  | 1.6                | 0.56         | 110 m         | Blue (BU)   | 553-40453   |
| TULT4.8-1.6RD | 4.8                  | 1.6                | 0.56         | 110 m         | Red (RD)    | 553-40454   |
| TULT4.8-1.6WH | 4.8                  | 1.6                | 0.56         | 110 m         | White (WH)  | 553-40451   |
| TULT4.8-1.6YE | 4.8                  | 1.6                | 0.56         | 110 m         | Yellow (YE) | 553-40450   |
| TULT6-2BK     | 6.0                  | 2.0                | 0.64         | 110 m         | Black (BK)  | 553-40652   |
| TULT6-2BU     | 6.0                  | 2.0                | 0.64         | 110 m         | Blue (BU)   | 553-40653   |
| TULT6-2RD     | 6.0                  | 2.0                | 0.64         | 110 m         | Red (RD)    | 553-40654   |
| TULT6-2WH     | 6.0                  | 2.0                | 0.64         | 110 m         | White (WH)  | 553-40651   |
| TULT6-2YE     | 6.0                  | 2.0                | 0.64         | 110 m         | Yellow (YE) | 553-40650   |
| TULT9-3BK     | 9.0                  | 3.0                | 0.64         | 72 m          | Black (BK)  | 553-40952   |
| TULT9-3BU     | 9.0                  | 3.0                | 0.64         | 72 m          | Blue (BU)   | 553-40953   |
| TULT9-3RD     | 9.0                  | 3.0                | 0.64         | 72 m          | Red (RD)    | 553-40954   |
| TULT9-3WH     | 9.0                  | 3.0                | 0.64         | 72 m          | White (WH)  | 553-40951   |
| TULT9-3YE     | 9.0                  | 3.0                | 0.64         | 72 m          | Yellow (YE) | 553-40950   |
| TULT12-4BK    | 12.0                 | 4.0                | 0.68         | 54 m          | Black (BK)  | 553-41252   |
| TULT12-4BU    | 12.0                 | 4.0                | 0.68         | 54 m          | Blue (BU)   | 553-41253   |
| TULT12-4RD    | 12.0                 | 4.0                | 0.68         | 54 m          | Red (RD)    | 553-41254   |
| TULT12-4WH    | 12.0                 | 4.0                | 0.68         | 54 m          | White (WH)  | 553-41251   |
| TULT12-4YE    | 12.0                 | 4.0                | 0.68         | 54 m          | Yellow (YE) | 553-41250   |
| TULT18-6BK    | 18.0                 | 6.0                | 0.90         | 26 m          | Black (BK)  | 553-41852   |
| TULT18-6BU    | 18.0                 | 6.0                | 0.90         | 26 m          | Blue (BU)   | 553-41853   |
| TULT18-6RD    | 18.0                 | 6.0                | 0.90         | 26 m          | Red (RD)    | 553-41854   |
| TULT18-6WH    | 18.0                 | 6.0                | 0.90         | 26 m          | White (WH)  | 553-41851   |
| TULT18-6YE    | 18.0                 | 6.0                | 0.90         | 26 m          | Yellow (YE) | 553-41850   |
| TULT24-8BK    | 24.0                 | 8.0                | 0.98         | 26 m          | Black (BK)  | 553-42452   |
| TULT24-8BU    | 24.0                 | 8.0                | 0.98         | 26 m          | Blue (BU)   | 553-42453   |
| TULT24-8RD    | 24.0                 | 8.0                | 0.98         | 26 m          | Red (RD)    | 553-42454   |
| TULT24-8WH    | 24.0                 | 8.0                | 0.98         | 26 m          | White (WH)  | 553-42451   |
| TULT24-8YE    | 24.0                 | 8.0                | 0.98         | 26 m          | Yellow (YE) | 553-42450   |
| TULT39-13BK   | 39.0                 | 13.0               | 1.08         | 10 m          | Black (BK)  | 553-43952   |
| TULT39-13BU   | 39.0                 | 13.0               | 1.08         | 10 m          | Blue (BU)   | 553-43953   |
| TULT39-13RD   | 39.0                 | 13.0               | 1.08         | 10 m          | Red (RD)    | 553-43954   |
| TULT39-13WH   | 39.0                 | 13.0               | 1.08         | 10 m          | White (WH)  | 553-43951   |
| TULT39-13YE   | 39.0                 | 13.0               | 1.08         | 10 m          | Yellow (YE) | 553-43950   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. More colours on request.



For product specific approvals and specifications please refer to the Appendix.





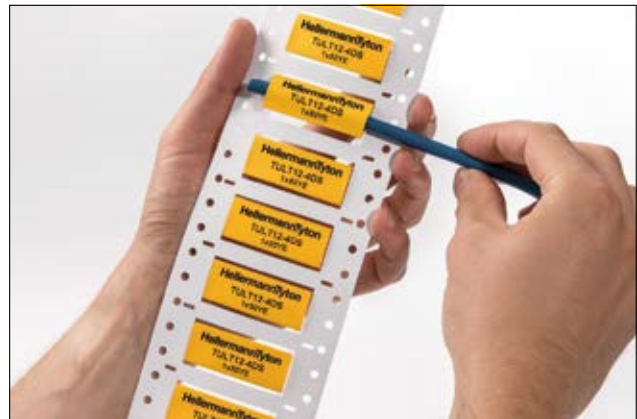
### Shrinkable markers "Ladder Style", thermal transfer

#### TULT DS – 3:1 Military and Electronics "Ladder Style"

TULT DS is a UL recognised 3:1 heat shrink marker material pre-cut and formatted into a convenient "ladder" system. This pre-cut format not only allows printing on both sides of the marker but the user can also easily choose and pick each required marker. TULT's polyolefin compound has good mechanical strength and resistance to organic solvents and chemicals. The surface of the tubing has been especially prepared so that print performance is excellent at all times using HellermannTyton's printer range.

#### Features and benefits

- Shrink ratio 3:1
- 50 mm, 25 mm and 16 mm pre-cut marker options as standard, other lengths available on request
- Available in white or yellow
- Good mechanical strength and resistance to organic solvents and chemicals
- Highly flexible
- Delivery in convenient storage boxes



TULT DS for military and electronics industry.

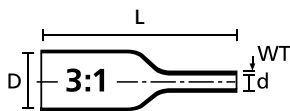


TULT DS – shrinkable markers with good mechanical strength for a wide range of applications.



For size matrix please refer to page 450.

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>MATERIAL</b>                 | Polyolefin, cross-linked (PO-X) |
| <b>Operating Temperature</b>    | -55 °C to +135 °C               |
| <b>Min. Shrink Temperature</b>  | +90 °C                          |
| <b>Shrink Ratio</b>             | 3:1                             |
| <b>Recommended Ribbon Type</b>  | TTDTHOUT                        |
| <b>Thermal Transfer Printer</b> | TT431, TT4030, TrakMark DS      |



RoHS

| TYPE                 | Supplied Ø D min. | Recov. Ø d max. | Length (L) | Wall (WT) | Pack Cont. | Colour      | Article-No. |
|----------------------|-------------------|-----------------|------------|-----------|------------|-------------|-------------|
| TULT2.4-0.8DS-2x25WH | 2.4               | 0.8             | 25.0       | 0.53      | 2,000 pcs. | White (WH)  | 553-71002   |
| TULT2.4-0.8DS-2x25YE | 2.4               | 0.8             | 25.0       | 0.53      | 2,000 pcs. | Yellow (YE) | 553-71003   |
| TULT2.4-0.8DS-1x50WH | 2.4               | 0.8             | 50.0       | 0.53      | 1,000 pcs. | White (WH)  | 553-71000   |
| TULT2.4-0.8DS-1x50YE | 2.4               | 0.8             | 50.0       | 0.53      | 1,000 pcs. | Yellow (YE) | 553-71001   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.



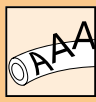
For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

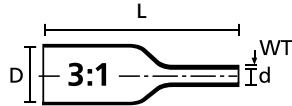
[www.HT.click/49-463](http://www.HT.click/49-463)





### Shrinkable markers "Ladder Style", thermal transfer

TULT DS – 3:1 Military and Electronics "Ladder Style"



| TYPE                 | Supplied<br>Ø D min. | Recov.<br>Ø d max. | Length<br>(L) | Wall<br>(WT) | Pack<br>Cont. | Colour      | Article-No. |
|----------------------|----------------------|--------------------|---------------|--------------|---------------|-------------|-------------|
| TULT3-1DS-2x25WH     | 3.0                  | 1.0                | 25.0          | 0.56         | 2,000 pcs.    | White (WH)  | 553-71008   |
| TULT3-1DS-2x25YE     | 3.0                  | 1.0                | 25.0          | 0.56         | 2,000 pcs.    | Yellow (YE) | 553-71009   |
| TULT3-1DS-1x50WH     | 3.0                  | 1.0                | 50.0          | 0.56         | 1,000 pcs.    | White (WH)  | 553-71006   |
| TULT3-1DS-1x50YE     | 3.0                  | 1.0                | 50.0          | 0.56         | 1,000 pcs.    | Yellow (YE) | 553-71007   |
| TULT4.8-1.6DS-2x25WH | 4.8                  | 1.6                | 25.0          | 0.56         | 2,000 pcs.    | White (WH)  | 553-71014   |
| TULT4.8-1.6DS-2x25YE | 4.8                  | 1.6                | 25.0          | 0.56         | 2,000 pcs.    | Yellow (YE) | 553-71015   |
| TULT4.8-1.6DS-1x50WH | 4.8                  | 1.6                | 50.0          | 0.56         | 1,000 pcs.    | White (WH)  | 553-71012   |
| TULT4.8-1.6DS-1x50YE | 4.8                  | 1.6                | 50.0          | 0.56         | 1,000 pcs.    | Yellow (YE) | 553-71013   |
| TULT6-2DS-2x25WH     | 6.0                  | 2.0                | 25.0          | 0.64         | 2,000 pcs.    | White (WH)  | 553-71020   |
| TULT6-2DS-2x25YE     | 6.0                  | 2.0                | 25.0          | 0.64         | 2,000 pcs.    | Yellow (YE) | 553-71021   |
| TULT6-2DS-1x50WH     | 6.0                  | 2.0                | 50.0          | 0.64         | 1,000 pcs.    | White (WH)  | 553-71018   |
| TULT6-2DS-1x50YE     | 6.0                  | 2.0                | 50.0          | 0.64         | 1,000 pcs.    | Yellow (YE) | 553-71019   |
| TULT9-3DS-2x25WH     | 9.0                  | 3.0                | 25.0          | 0.64         | 1,000 pcs.    | White (WH)  | 553-71026   |
| TULT9-3DS-2x25YE     | 9.0                  | 3.0                | 25.0          | 0.64         | 1,000 pcs.    | Yellow (YE) | 553-71027   |
| TULT9-3DS-1x50WH     | 9.0                  | 3.0                | 50.0          | 0.64         | 500 pcs.      | White (WH)  | 553-71024   |
| TULT9-3DS-1x50YE     | 9.0                  | 3.0                | 50.0          | 0.64         | 500 pcs.      | Yellow (YE) | 553-71025   |
| TULT12-4DS-2x25WH    | 12.0                 | 4.0                | 25.0          | 0.68         | 1,000 pcs.    | White (WH)  | 553-71032   |
| TULT12-4DS-2x25YE    | 12.0                 | 4.0                | 25.0          | 0.68         | 1,000 pcs.    | Yellow (YE) | 553-71033   |
| TULT12-4DS-1x50WH    | 12.0                 | 4.0                | 50.0          | 0.68         | 500 pcs.      | White (WH)  | 553-71030   |
| TULT12-4DS-1x50YE    | 12.0                 | 4.0                | 50.0          | 0.68         | 500 pcs.      | Yellow (YE) | 553-71031   |
| TULT18-6DS-2x25WH    | 18.0                 | 6.0                | 25.0          | 0.90         | 1,000 pcs.    | White (WH)  | 553-71038   |
| TULT18-6DS-2x25YE    | 18.0                 | 6.0                | 25.0          | 0.90         | 1,000 pcs.    | Yellow (YE) | 553-71039   |
| TULT18-6DS-1x50WH    | 18.0                 | 6.0                | 50.0          | 0.90         | 500 pcs.      | White (WH)  | 553-71036   |
| TULT18-6DS-1x50YE    | 18.0                 | 6.0                | 50.0          | 0.90         | 500 pcs.      | Yellow (YE) | 553-71037   |
| TULT24-8DS-2x25WH    | 24.0                 | 8.0                | 25.0          | 1.08         | 500 pcs.      | White (WH)  | 553-71044   |
| TULT24-8DS-2x25YE    | 24.0                 | 8.0                | 25.0          | 1.08         | 500 pcs.      | Yellow (YE) | 553-71045   |
| TULT24-8DS-1x50WH    | 24.0                 | 8.0                | 50.0          | 1.08         | 250 pcs.      | White (WH)  | 553-71042   |
| TULT24-8DS-1x50YE    | 24.0                 | 8.0                | 50.0          | 1.08         | 250 pcs.      | Yellow (YE) | 553-71043   |
| TULT39-13DS-2x25WH   | 39.0                 | 13.0               | 25.0          | 1.08         | 500 pcs.      | White (WH)  | 553-71050   |
| TULT39-13DS-2x25YE   | 39.0                 | 13.0               | 25.0          | 1.08         | 500 pcs.      | Yellow (YE) | 553-71051   |
| TULT39-13DS-1x50WH   | 39.0                 | 13.0               | 50.0          | 1.08         | 250 pcs.      | White (WH)  | 553-71048   |
| TULT39-13DS-1x50YE   | 39.0                 | 13.0               | 50.0          | 1.08         | 250 pcs.      | Yellow (YE) | 553-71049   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.







### Shrinkable markers "Continuous Tube", thermal transfer

#### TLFX – 2:1 Rail Limited Fire Hazard

TLFX is a halogen free European rail approved 2:1 heat shrink marker material supplied as a continuous tube and printable on both sides. Special material properties show low smoke propagation, density and toxicity. The tubing has been especially prepared so that print performance is excellent at all times. HellermannTyton's printer range allow users to create a high quality print. In addition it is possible to either perforate the tubing at pre-determined lengths or fully sever the markers.

#### Features and benefits

- Shrink ratio 2:1
- Halogen Free
- Low smoke propagation, density and toxicity
- Available in yellow or white
- Cable range 50.8 mm to 1.2 mm
- Delivery in convenient storage boxes



TLFX- high performance halogen free heat shrink tube.



TLFX – European rail approved heat shrink marker material.

|                                  |                                 |
|----------------------------------|---------------------------------|
| <b>MATERIAL</b>                  | Polyolefin, cross-linked (PO-X) |
| <b>Operating Temperature</b>     | -55 °C to +125 °C               |
| <b>Min. Shrink Temperature</b>   | +70 °C                          |
| <b>Shrink Ratio</b>              | 2:1                             |
| <b>Recommended Ribbon Type</b>   | TTDTHOUT                        |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030, TrakMark DS      |
| <b>EN 45545-2 Classification</b> | R22 HL3, R23 HL3                |

HF ✓

LFH ✓

RoHS ✓



| TYPE     | Supplied Ø D min. | Recov. Ø d max. | Wall (WT) | Pack Cont. | Colour      | Article-No. |
|----------|-------------------|-----------------|-----------|------------|-------------|-------------|
| TLFX24WH | 2.4               | 1.2             | 0.57      | 144 m      | White (WH)  | 554-51000   |
| TLFX24YE | 2.4               | 1.2             | 0.57      | 144 m      | Yellow (YE) | 554-51001   |

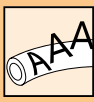
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

**EN 45545-2**

For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!  
[www.HT.click/49-465](http://www.HT.click/49-465)



### Shrinkable markers "Continuous Tube", thermal transfer

TLFX – 2:1 Rail Limited Fire Hazard



| TYPE      | Supplied<br>Ø D min. | Recov.<br>Ø d max. | Wall<br>(WT) | Pack<br>Cont. | Colour      | Article-No. |
|-----------|----------------------|--------------------|--------------|---------------|-------------|-------------|
| TLFX32WH  | 3.2                  | 1.6                | 0.58         | 126 m         | White (WH)  | 554-51100   |
| TLFX32YE  | 3.2                  | 1.6                | 0.58         | 126 m         | Yellow (YE) | 554-51101   |
| TLFX48WH  | 4.8                  | 2.4                | 0.61         | 108 m         | White (WH)  | 554-51200   |
| TLFX48YE  | 4.8                  | 2.4                | 0.61         | 108 m         | Yellow (YE) | 554-51201   |
| TLFX64WH  | 6.4                  | 3.2                | 0.61         | 90 m          | White (WH)  | 554-51300   |
| TLFX64YE  | 6.4                  | 3.2                | 0.61         | 90 m          | Yellow (YE) | 554-51301   |
| TLFX95WH  | 9.5                  | 4.8                | 0.66         | 72 m          | White (WH)  | 554-51400   |
| TLFX95YE  | 9.5                  | 4.8                | 0.66         | 72 m          | Yellow (YE) | 554-51401   |
| TLFX127WH | 12.7                 | 6.4                | 0.68         | 54 m          | White (WH)  | 554-51500   |
| TLFX127YE | 12.7                 | 6.4                | 0.68         | 54 m          | Yellow (YE) | 554-51501   |
| TLFX190WH | 19.0                 | 9.5                | 0.69         | 30 m          | White (WH)  | 554-51600   |
| TLFX190YE | 19.0                 | 9.5                | 0.69         | 30 m          | Yellow (YE) | 554-51601   |
| TLFX254WH | 25.4                 | 12.7               | 0.69         | 30 m          | White (WH)  | 554-51700   |
| TLFX254YE | 25.4                 | 12.7               | 0.69         | 30 m          | Yellow (YE) | 554-51701   |
| TLFX381WH | 38.1                 | 19.0               | 0.70         | 13 m          | White (WH)  | 554-51800   |
| TLFX381YE | 38.1                 | 19.0               | 0.70         | 13 m          | Yellow (YE) | 554-51801   |
| TLFX508WH | 50.8                 | 25.4               | 0.73         | 10 m          | White (WH)  | 554-50900   |
| TLFX508YE | 50.8                 | 25.4               | 0.73         | 10 m          | Yellow (YE) | 554-50901   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

**EN 45545-2**

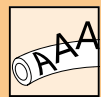
For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-466](http://www.HT.click/49-466)





### Shrinkable markers "Ladder Style", thermal transfer

#### TLFX DS – 2:1 Rail Limited Fire Hazard "Ladder Style"

TLFX DS is a halogen free European rail approved 2:1 heat shrink marker material supplied pre-cut and formatted into a convenient "ladder" system. Special material properties show low smoke propagation, density and toxicity. This pre-cut format not only allows printing on both sides of the marker but the user can also easily choose and pick each required marker. Special material properties show low smoke propagation, density and toxicity. The tubing has been especially prepared so that the print performance is excellent at all times using HellermannTyton's printer range.

#### Features and benefits

- Shrink ratio 2:1
- Halogen Free
- Low smoke propagation, density and toxicity
- 50 mm, 25 mm and 16 mm pre-cut marker options as standard
- Available in yellow or white
- Other lengths and colours available on request
- Cable range 38.1 mm to 1.2 mm
- Delivery in convenient storage boxes

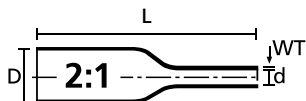


Shrinkable rail approved markers TLFX DS.

|                                  |                                 |
|----------------------------------|---------------------------------|
| <b>MATERIAL</b>                  | Polyolefin, cross-linked (PO-X) |
| <b>Operating Temperature</b>     | -55 °C to +105 °C               |
| <b>Min. Shrink Temperature</b>   | +100 °C                         |
| <b>Shrink Ratio</b>              | 2:1                             |
| <b>Recommended Ribbon Type</b>   | TTDTHOUT                        |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030, TrakMark DS      |
| <b>EN 45545-2 Classification</b> | R22 HL3, R23 HL3                |



For size matrix please refer to page 450.



HF ✓

LFH ✓

RoHS ✓

| TYPE            | Supplied Ø D min. | Recov. Ø d max. | Length (L) | Wall (WT) | Pack Cont.  | Colour      | Article-No. |
|-----------------|-------------------|-----------------|------------|-----------|-------------|-------------|-------------|
| TLFX24DS-2x25WH | 2.4               | 1.2             | 25.0       | 0.52      | 10,000 pcs. | White (WH)  | 553-60020   |
| TLFX24DS-2x25YE | 2.4               | 1.2             | 25.0       | 0.52      | 10,000 pcs. | Yellow (YE) | 553-60029   |
| TLFX24DS-1x50WH | 2.4               | 1.2             | 50.0       | 0.52      | 5,000 pcs.  | White (WH)  | 553-60000   |
| TLFX24DS-1x50YE | 2.4               | 1.2             | 50.0       | 0.52      | 5,000 pcs.  | Yellow (YE) | 553-60010   |
| TLFX32DS-2x25WH | 3.2               | 1.6             | 25.0       | 0.64      | 10,000 pcs. | White (WH)  | 553-60021   |
| TLFX32DS-2x25YE | 3.2               | 1.6             | 25.0       | 0.64      | 10,000 pcs. | Yellow (YE) | 553-60030   |
| TLFX32DS-1x50WH | 3.2               | 1.6             | 50.0       | 0.64      | 5,000 pcs.  | White (WH)  | 553-60001   |
| TLFX32DS-1x50YE | 3.2               | 1.6             | 50.0       | 0.64      | 5,000 pcs.  | Yellow (YE) | 553-60011   |
| TLFX48DS-2x25WH | 4.8               | 2.4             | 25.0       | 0.64      | 10,000 pcs. | White (WH)  | 553-60022   |
| TLFX48DS-2x25YE | 4.8               | 2.4             | 25.0       | 0.64      | 10,000 pcs. | Yellow (YE) | 553-60031   |
| TLFX48DS-1x50WH | 4.8               | 2.4             | 50.0       | 0.64      | 5,000 pcs.  | White (WH)  | 553-60002   |
| TLFX48DS-1x50YE | 4.8               | 2.4             | 50.0       | 0.64      | 5,000 pcs.  | Yellow (YE) | 553-60012   |
| TLFX64DS-2x25WH | 6.4               | 3.2             | 25.0       | 0.73      | 6,000 pcs.  | White (WH)  | 553-60023   |
| TLFX64DS-2x25YE | 6.4               | 3.2             | 25.0       | 0.73      | 6,000 pcs.  | Yellow (YE) | 553-60032   |
| TLFX64DS-1x50WH | 6.4               | 3.2             | 50.0       | 0.73      | 3,000 pcs.  | White (WH)  | 553-60003   |
| TLFX64DS-1x50YE | 6.4               | 3.2             | 50.0       | 0.73      | 3,000 pcs.  | Yellow (YE) | 553-60013   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

**EN 45545-2**

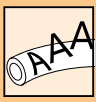
**ASTM**

For product specific approvals and specifications please refer to the Appendix.



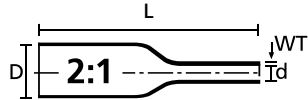
Add items to your watchlist!

[www.HT.click/49-467](http://www.HT.click/49-467)



### Shrinkable markers "Ladder Style", thermal transfer

TLFX DS – 2:1 Rail Limited Fire Hazard "Ladder Style"



| TYPE             | Supplied<br>Ø D min. | Recov.<br>Ø d max. | Length<br>(L) | Wall<br>(WT) | Pack<br>Cont. | Colour      | Article-No. |
|------------------|----------------------|--------------------|---------------|--------------|---------------|-------------|-------------|
| TLFX95DS-2x25WH  | 9.5                  | 4.8                | 25.0          | 0.70         | 5,000 pcs.    | White (WH)  | 553-60024   |
| TLFX95DS-2x25YE  | 9.5                  | 4.8                | 25.0          | 0.70         | 5,000 pcs.    | Yellow (YE) | 553-60033   |
| TLFX95DS-1x50WH  | 9.5                  | 4.8                | 50.0          | 0.70         | 2,500 pcs.    | White (WH)  | 553-60004   |
| TLFX95DS-1x50YE  | 9.5                  | 4.8                | 50.0          | 0.70         | 2,500 pcs.    | Yellow (YE) | 553-60014   |
| TLFX127DS-2x25WH | 12.7                 | 6.4                | 25.0          | 0.70         | 3,000 pcs.    | White (WH)  | 553-60025   |
| TLFX127DS-2x25YE | 12.7                 | 6.4                | 25.0          | 0.70         | 3,000 pcs.    | Yellow (YE) | 553-60034   |
| TLFX127DS-1x50WH | 12.7                 | 6.4                | 50.0          | 0.70         | 1,500 pcs.    | White (WH)  | 553-60005   |
| TLFX127DS-1x50YE | 12.7                 | 6.4                | 50.0          | 0.70         | 1,500 pcs.    | Yellow (YE) | 553-60015   |
| TLFX190DS-2x25WH | 19.0                 | 9.5                | 25.0          | 0.78         | 3,000 pcs.    | White (WH)  | 553-60026   |
| TLFX190DS-2x25YE | 19.0                 | 9.5                | 25.0          | 0.78         | 3,000 pcs.    | Yellow (YE) | 553-60035   |
| TLFX190DS-1x50WH | 19.0                 | 9.5                | 50.0          | 0.78         | 1,500 pcs.    | White (WH)  | 553-60006   |
| TLFX190DS-1x50YE | 19.0                 | 9.5                | 50.0          | 0.78         | 1,500 pcs.    | Yellow (YE) | 553-60016   |
| TLFX254DS-2x25WH | 25.4                 | 12.7               | 25.0          | 0.93         | 2,000 pcs.    | White (WH)  | 553-60027   |
| TLFX254DS-2x25YE | 25.4                 | 12.7               | 25.0          | 0.93         | 2,000 pcs.    | Yellow (YE) | 553-60036   |
| TLFX254DS-1x50WH | 25.4                 | 12.7               | 50.0          | 0.93         | 1,000 pcs.    | White (WH)  | 553-60007   |
| TLFX254DS-1x50YE | 25.4                 | 12.7               | 50.0          | 0.93         | 1,000 pcs.    | Yellow (YE) | 553-60017   |
| TLFX381DS-2x25WH | 38.1                 | 19.1               | 25.0          | 0.98         | 1,000 pcs.    | White (WH)  | 553-60028   |
| TLFX381DS-2x25YE | 38.1                 | 19.1               | 25.0          | 0.98         | 1,000 pcs.    | Yellow (YE) | 553-60037   |
| TLFX381DS-1x50WH | 38.1                 | 19.1               | 50.0          | 0.98         | 500 pcs.      | White (WH)  | 553-60008   |
| TLFX381DS-1x50YE | 38.1                 | 19.1               | 50.0          | 0.98         | 500 pcs.      | Yellow (YE) | 553-60018   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

EN 45545-2

ASTM

For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-468](http://www.HT.click/49-468)





### Shrinkable markers "Ladder Style", thermal transfer

**TLFD DS – 2:1 Rail Limited Fire Hazard, fluid resistant  
"Ladder Style"**

TLFD DS is an innovative 2:1 heat shrink marker which is halogen free, low fire hazard and fluid resistant. This rail and EN approved material is supplied pre-cut and formatted into a convenient "ladder" system.

The TLFD DS marker's material properties are ideal for applications where fire protection is of great importance. TLFD DS shows low smoke propagation, density and toxicity and is also ideal for applications where resistance to organic fluids, common fuels, lubricants and solvents properties are required.

The pre-cut format not only allows printing on both sides of the marker but the user can also easily choose and pick each required marker. The tubing has been especially prepared so that the print performance is excellent at all times using HellermannTyton's printer range.

#### Features and benefits

- Shrink ratio 2:1
- Halogen free and fluid resistant
- Low smoke propagation and toxicity
- Fluid resistant
- "Ladder Style" format for ease of use
- Available in yellow and white
- 50 mm and 25 mm pre-cut markers as standard

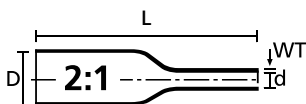


TLFD DS shrinkable markers – halogen-free and fluid resistant.



TLFD DS shrinkable markers for more safety and clarity in the switchboard.

|                                  |                                 |
|----------------------------------|---------------------------------|
| <b>MATERIAL</b>                  | Polyolefin, cross-linked (PO-X) |
| <b>Operating Temperature</b>     | -55 °C to +125 °C               |
| <b>Min. Shrink Temperature</b>   | +120 °C                         |
| <b>Shrink Ratio</b>              | 2:1                             |
| <b>Recommended Ribbon Type</b>   | TTDTHOUT                        |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030, TrakMark DS      |
| <b>EN 45545-2 Classification</b> | R22 HL3, R23 HL3                |



**HF** ✓ **LFH** ✓  
**RoHS** ✓

| TYPE                   | Supplied<br>Ø D min. | Recov.<br>Ø d max. | Length<br>(L) | Wall<br>(WT) | Pack<br>Cont. | Colour      | Article-No. |
|------------------------|----------------------|--------------------|---------------|--------------|---------------|-------------|-------------|
| <b>TLFD24DS-2X25WH</b> | 2.59                 | 1.2                | 25.0          | 0.49         | 10,000 pcs.   | White (WH)  | 533-65001   |
| <b>TLFD24DS-2X25YE</b> | 2.59                 | 1.2                | 25.0          | 0.49         | 10,000 pcs.   | Yellow (YE) | 533-65019   |
| <b>TLFD24DS-1X50WH</b> | 2.59                 | 1.2                | 50.0          | 0.49         | 5,000 pcs.    | White (WH)  | 533-65000   |
| <b>TLFD24DS-1X50YE</b> | 2.59                 | 1.2                | 50.0          | 0.49         | 5,000 pcs.    | Yellow (YE) | 533-65018   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

**EN 45545-2**

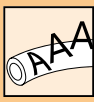
**EN 50343**

For product specific approvals and specifications please refer to the Appendix.



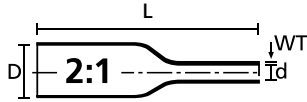
Add items to your watchlist!

[www.HT.click/49-469](http://www.HT.click/49-469)



## Shrinkable markers "Ladder Style", thermal transfer

TLFD DS – 2:1 Rail Limited Fire Hazard, fluid resistant  
"Ladder Style"



| TYPE             | Supplied<br>Ø D min. | Recov.<br>Ø d max. | Length<br>(L) | Wall<br>(WT) | Pack<br>Cont. | Colour      | Article-No. |
|------------------|----------------------|--------------------|---------------|--------------|---------------|-------------|-------------|
| TLFD32DS-2X25WH  | 3.41                 | 1.6                | 25.0          | 0.51         | 10,000 pcs.   | White (WH)  | 533-65003   |
| TLFD32DS-2X25YE  | 3.41                 | 1.6                | 25.0          | 0.51         | 10,000 pcs.   | Yellow (YE) | 533-65021   |
| TLFD32DS-1X50WH  | 3.41                 | 1.6                | 50.0          | 0.51         | 5,000 pcs.    | White (WH)  | 533-65002   |
| TLFD32DS-1X50YE  | 3.41                 | 1.6                | 50.0          | 0.51         | 5,000 pcs.    | Yellow (YE) | 533-65020   |
| TLFD48DS-2X25WH  | 5.01                 | 2.4                | 25.0          | 0.54         | 10,000 pcs.   | White (WH)  | 533-65005   |
| TLFD48DS-2X25YE  | 5.01                 | 2.4                | 25.0          | 0.54         | 10,000 pcs.   | Yellow (YE) | 533-65023   |
| TLFD48DS-1X50WH  | 5.01                 | 2.4                | 50.0          | 0.54         | 5,000 pcs.    | White (WH)  | 533-65004   |
| TLFD48DS-1X50YE  | 5.01                 | 2.4                | 50.0          | 0.54         | 5,000 pcs.    | Yellow (YE) | 533-65022   |
| TLFD64DS-2X25WH  | 6.64                 | 3.2                | 25.0          | 0.56         | 6,000 pcs.    | White (WH)  | 533-65007   |
| TLFD64DS-2X25YE  | 6.64                 | 3.2                | 25.0          | 0.56         | 6,000 pcs.    | Yellow (YE) | 533-65025   |
| TLFD64DS-1X50WH  | 6.64                 | 3.2                | 50.0          | 0.56         | 3,000 pcs.    | White (WH)  | 533-65006   |
| TLFD64DS-1X50YE  | 6.64                 | 3.2                | 50.0          | 0.56         | 3,000 pcs.    | Yellow (YE) | 533-65024   |
| TLFD95DS-2X25WH  | 9.88                 | 4.8                | 25.0          | 0.59         | 5,000 pcs.    | White (WH)  | 533-65009   |
| TLFD95DS-2X25YE  | 9.88                 | 4.8                | 25.0          | 0.59         | 5,000 pcs.    | Yellow (YE) | 533-65027   |
| TLFD95DS-1X50WH  | 9.88                 | 4.8                | 50.0          | 0.59         | 2,500 pcs.    | White (WH)  | 533-65008   |
| TLFD95DS-1X50YE  | 9.88                 | 4.8                | 50.0          | 0.59         | 2,500 pcs.    | Yellow (YE) | 533-65026   |
| TLFD127DS-2X25WH | 13.14                | 6.4                | 25.0          | 0.60         | 3,000 pcs.    | White (WH)  | 533-65011   |
| TLFD127DS-2X25YE | 13.14                | 6.4                | 25.0          | 0.60         | 3,000 pcs.    | Yellow (YE) | 533-65029   |
| TLFD127DS-1X50WH | 13.14                | 6.4                | 50.0          | 0.60         | 1,500 pcs.    | White (WH)  | 533-65010   |
| TLFD127DS-1X50YE | 13.14                | 6.4                | 50.0          | 0.60         | 1,500 pcs.    | Yellow (YE) | 533-65028   |
| TLFD190DS-2X25WH | 19.70                | 9.6                | 25.0          | 0.62         | 3,000 pcs.    | White (WH)  | 533-65013   |
| TLFD190DS-2X25YE | 19.70                | 9.6                | 25.0          | 0.62         | 3,000 pcs.    | Yellow (YE) | 533-65031   |
| TLFD190DS-1X50WH | 19.70                | 9.6                | 50.0          | 0.62         | 1,500 pcs.    | White (WH)  | 533-65012   |
| TLFD190DS-1X50YE | 19.70                | 9.6                | 50.0          | 0.62         | 1,500 pcs.    | Yellow (YE) | 533-65030   |
| TLFD254DS-2X25WH | 26.25                | 12.7               | 25.0          | 0.63         | 2,000 pcs.    | White (WH)  | 533-65015   |
| TLFD254DS-2X25YE | 26.25                | 12.7               | 25.0          | 0.63         | 2,000 pcs.    | Yellow (YE) | 533-65033   |
| TLFD254DS-1X50WH | 26.25                | 12.7               | 50.0          | 0.63         | 1,000 pcs.    | White (WH)  | 533-65014   |
| TLFD254DS-1X50YE | 26.25                | 12.7               | 50.0          | 0.63         | 1,000 pcs.    | Yellow (YE) | 533-65032   |
| TLFD381DS-2X25WH | 39.29                | 19.1               | 25.0          | 0.64         | 1,000 pcs.    | White (WH)  | 533-65017   |
| TLFD381DS-2X25YE | 39.29                | 19.1               | 25.0          | 0.64         | 1,000 pcs.    | Yellow (YE) | 533-65035   |
| TLFD381DS-1X50WH | 39.29                | 19.1               | 50.0          | 0.64         | 500 pcs.      | White (WH)  | 533-65016   |
| TLFD381DS-1X50YE | 39.29                | 19.1               | 50.0          | 0.64         | 500 pcs.      | Yellow (YE) | 533-65034   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

EN 45545-2

EN 50343

For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-470](http://www.HT.click/49-470)





### Identification tags for cable bundle, thermal transfer

#### TIPTAG HF - Limited Fire Hazard Tiptags, Halogen free

The Tiptag HF cable markers have been designed to identify larger wires and cable bundles not only in the electronics and general cabling environments but also in the railway industry. Tiptag HF is halogen free and its material properties show low smoke propagation, density and toxicity. Tiptags are presented in a special perforated format which include fastening slots for cable ties. They are also suitable for retrofit purposes.

Print from the reel with HellermannTyton's premium range of thermal transfer printers and ribbons for optimum print quality and longevity.

#### Features and benefits

- Ideal for marking larger wire and cable bundles
- Halogen free
- Low smoke propagation and toxicity
- Perforated format that includes fastening slots for cable ties
- Available in various colours



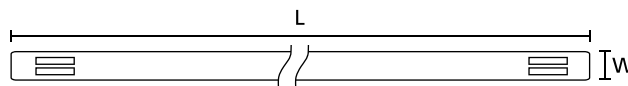
TIPTAG - high performance cable bundle marking.

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Polyolefin (PO)   |
| <b>Operating Temperature</b>     | -40 °C to +90 °C, (+160 °C, for 200 h)  |
| <b>Flammability</b>              | Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation, Halogen free |
| <b>Recommended Ribbon Type</b>   | TTDTHOUT  |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030   |
| <b>EN 45545-2 Classification</b> | R22 HL3, R23 HL3  |

HF ✓

LFH ✓

RoHS ✓



| TYPE           | Length (L) | Width (W) | Pack Cont. | Colour      | Article-No. |
|----------------|------------|-----------|------------|-------------|-------------|
| TIPTAG11X65BU  | 65.0       | 11.0      | 190 pcs.   | Blue (BU)   | 556-20066   |
| TIPTAG11X65RD  | 65.0       | 11.0      | 190 pcs.   | Red (RD)    | 556-20062   |
| TIPTAG11X65WH  | 65.0       | 11.0      | 190 pcs.   | White (WH)  | 556-20069   |
| TIPTAG11X65YE  | 65.0       | 11.0      | 190 pcs.   | Yellow (YE) | 556-20064   |
| TIPTAG15X65WH  | 65.0       | 15.0      | 190 pcs.   | White (WH)  | 556-21069   |
| TIPTAG15X65YE  | 65.0       | 15.0      | 190 pcs.   | Yellow (YE) | 556-21064   |
| TIPTAG11X100BU | 100.0      | 11.0      | 120 pcs.   | Blue (BU)   | 556-20080   |
| TIPTAG11X100RD | 100.0      | 11.0      | 120 pcs.   | Red (RD)    | 556-20091   |
| TIPTAG11X100WH | 100.0      | 11.0      | 120 pcs.   | White (WH)  | 556-20079   |
| TIPTAG11X100YE | 100.0      | 11.0      | 120 pcs.   | Yellow (YE) | 556-20074   |
| TIPTAG15X100RD | 100.0      | 15.0      | 120 pcs.   | Red (RD)    | 556-21096   |
| TIPTAG15X100WH | 100.0      | 15.0      | 120 pcs.   | White (WH)  | 556-21079   |
| TIPTAG15X100YE | 100.0      | 15.0      | 120 pcs.   | Yellow (YE) | 556-21074   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.

**EN 45545-2**

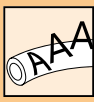
For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-471](http://www.HT.click/49-471)





### Identification tags for cable bundle, thermal transfer

The Tiptag PU cable markers consist of a robust and flexible polyurethane material. It is especially suited for harsh environments where the material is exposed to chemical, fluids or abrasion. Tiptag PU's are presented in a special perforated format which include fastening slots for easy fitting with cable ties. They are also suitable for retrofit purposes.

Print from the reel with HellermannTyton's premium range of thermal transfer printers.

A special ribbon has been developed for Tiptag PU to create a "tattoo" effect so that the marking cannot be rubbed off and is particularly durable and resistant to harsh abrasion.

#### Features and benefits

- Durable and robust polyurethane material
- For large cable bundles and wires
- Flame retardant
- Weather resistant
- Abrasion resistant
- Good resistance to chemicals
- Available in white and yellow as standard
- Perforated format with fastening slots for cable ties

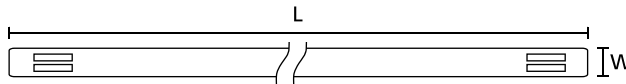


TIPTAG PU – printed mark has a tattoo-like permanency.

|                                 |  |
|---------------------------------|--|
| <b>MATERIAL</b>                 | Polyurethane (PUR)                     |
| <b>Operating Temperature</b>    | -65 °C to +120 °C, intermittent 150 °C |
| <b>Flammability</b>             | self-extinguishing, UL 94 V0 (3 mm)    |
| <b>Recommended Ribbon Type</b>  | TTRC+                                  |
| <b>Thermal Transfer Printer</b> | TT431, TT4030                          |



#### TIPTAG PU - UV-stabilised Tiptags, Polyurethane

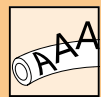


| TYPE           | Length (L) | Width (W) | Pack Cont. | Colour      | Article-No. |
|----------------|------------|-----------|------------|-------------|-------------|
| TTAGPU11X65WH  | 65.0       | 11.0      | 190 pcs.   | White (WH)  | 556-25012   |
| TTAGPU11X65YE  | 65.0       | 11.0      | 190 pcs.   | Yellow (YE) | 556-25019   |
| TTAGPU15X65WH  | 65.0       | 15.0      | 190 pcs.   | White (WH)  | 556-25007   |
| TTAGPU15X65YE  | 65.0       | 15.0      | 190 pcs.   | Yellow (YE) | 556-25011   |
| TTAGPU11X100WH | 100.0      | 11.0      | 125 pcs.   | White (WH)  | 556-25021   |
| TTAGPU11X100YE | 100.0      | 11.0      | 125 pcs.   | Yellow (YE) | 556-25020   |
| TTAGPU15X100WH | 100.0      | 15.0      | 125 pcs.   | White (WH)  | 556-25006   |
| TTAGPU15X100YE | 100.0      | 15.0      | 125 pcs.   | Yellow (YE) | 556-25010   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.







### Identification tags for cable bundles, thermal transfer

#### TTAG MC - Metal Content TipTags

The TIPTAG MC cable markers have been especially designed for applications where materials need to be metal detectable. Small metal particles have been included into the entire length of the marker making it ideal for marking larger cables, wires and bundles in the food and pharmaceutical industries. TIPTAG MCs come in a special perforated format that includes holes for fastening with cables ties (MCT).

Print from the reel with HellermannTyton's premium range of thermal transfer printers.

#### Features and benefits

- Metal detectable
- For marking larger cables in food and pharma industries
- Outstanding chemical resistance
- High temperature resistant
- Non-burning

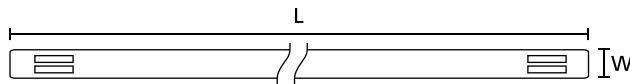


Metal content identification tags TIPTAG MC for a safe and clean production process.

|                                 |                              |
|---------------------------------|------------------------------|
| <b>MATERIAL</b>                 | Polyolefin (PO), Metal (MET) |
| <b>Operating Temperature</b>    | -40 °C to +85 °C             |
| <b>Recommended Ribbon Type</b>  | TTDTHOUT, TTRW               |
| <b>Thermal Transfer Printer</b> | TT431, TT4030                |



Can support quality assurance in the production of food stuffs, for example HACCP.



| TYPE            | Length (L) | Width (W) | Pack Cont. | Colour    | Article-No. |
|-----------------|------------|-----------|------------|-----------|-------------|
| TTAGMC11BEX65S  | 65.0       | 11.0      | 190 pcs.   | Blue (BU) | 556-26500   |
| TTAGMC15BEX65S  | 65.0       | 15.0      | 190 pcs.   | Blue (BU) | 556-26502   |
| TTAGMC11BEX100S | 100.0      | 11.0      | 120 pcs.   | Blue (BU) | 556-26501   |
| TTAGMC15BEX100S | 100.0      | 15.0      | 120 pcs.   | Blue (BU) | 556-26503   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.

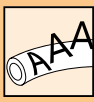
#### TTAGMX - X-ray detectable Tiptags

| TYPE           | Length (L) | Width (W) | Pack Cont. | Colour      | Article-No. |
|----------------|------------|-----------|------------|-------------|-------------|
| TTAGMX11BUX65S | 65.0       | 11.0      | 190        | Blue (BU)   | 556-26800   |
| TTAGMX11GNX65S | 65.0       | 11.0      | 190        | Green (GN)  | 556-26802   |
| TTAGMX11YWX65S | 65.0       | 11.0      | 190        | Yellow (YE) | 556-26801   |

All dimensions in mm. Subject to technical changes.



Add items to your watchlist!  
[www.HT.click/49-473](http://www.HT.click/49-473)



### Identification tags for cable bundle, "Ladder Style", thermal transfer

#### TAGPU – UV-stabilised Tiptags

TAGPU is a specially designed cable marker for identifying larger wire and cable bundles, where a permanently legible and UV resistant marking is required. The cable markers consist of a robust and flexible polyurethane material and are especially suited for harsh environments. They are supplied pre-cut and have been formatted into a convenient "ladder" system. The markers are applied to cable and harness assemblies with cable ties, and are also suitable for retrofit purposes. The material has been conditioned for printing on both thermal transfer and laser beam printers. Simply print and press out the required TAGPU and apply with cable ties.

Print with HellermannTyton's premium range of thermal printers and ribbons or a laser beam marking device.

#### Features and benefits

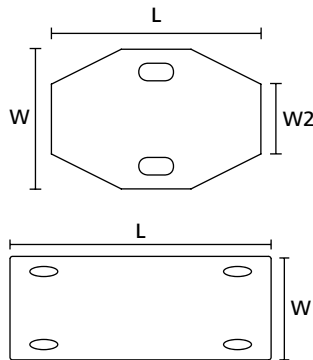
- UV-stabilised
- For larger cables and wires, bundles
- Robust and flexible material
- Thermal transfer or laser beam printable
- Available in white or yellow
- Halogen Free
- Good mechanical strength and highly flexible
- Delivery in convenient storage boxes



Cable marker for easy marking in tough environments.



TAGPU diamond shaped form for easy application with only one cable tie.



Identification tag with four fixing holes.



|                                 |                    |
|---------------------------------|--------------------|
| <b>MATERIAL</b>                 | Polyurethane (PUR) |
| <b>Operating Temperature</b>    | -25 °C to +105 °C  |
| <b>Flammability</b>             | UL 94 V0 (3 mm)    |
| <b>Recommended Ribbon Type</b>  | TTRHT, TTRC+       |
| <b>Thermal Transfer Printer</b> | TT431, TT4030      |



| TYPE         | Drawing | Length (L) | Width (W) | Width (W2) | Pack Cont. | Colour      | Article-No. |
|--------------|---------|------------|-----------|------------|------------|-------------|-------------|
| TAGPU20X51-6 |         | 51.5       | 20.4      | -          | 1,000 pcs. | White (WH)  | 556-82056   |
|              |         | 51.5       | 20.4      | -          | 1,000 pcs. | Yellow (YE) | 556-80543   |
| TAGPU10X51-4 |         | 51.5       | 10.4      | -          | 2,000 pcs. | White (WH)  | 556-80529   |
|              |         | 51.5       | 10.4      | -          | 2,000 pcs. | Yellow (YE) | 556-80542   |
| TAGPU20X51-4 |         | 51.5       | 20.4      | -          | 1,000 pcs. | White (WH)  | 556-80530   |
|              |         | 51.5       | 20.4      | -          | 1,000 pcs. | Yellow (YE) | 556-80531   |
| TAGPU20X30-2 |         | 30.0       | 20.0      | 11.0       | 1,000 pcs. | Blue (BU)   | 556-80556   |
|              |         | 30.0       | 20.0      | 11.0       | 1,000 pcs. | Red (RD)    | 556-80557   |
|              |         | 30.0       | 20.0      | 11.0       | 1,000 pcs. | White (WH)  | 556-80527   |
|              |         | 30.0       | 20.0      | 11.0       | 1,000 pcs. | Yellow (YE) | 556-80528   |

All dimensions in mm. Subject to technical changes.

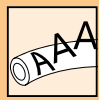
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.



For product specific approvals and specifications please refer to the Appendix.







### Identification tags for cable bundle "Ladder Style", thermal transfer

#### TAGLF – Rail - Limited Fire Hazard Tiptags

TAGLF is a halogen free cable marker for mass transit applications specifically in the railway industry or for all areas where limited fire hazard material is needed. TAGLF's material properties show low smoke propagation, density and toxicity. They are supplied pre-cut and have been formatted into a convenient "ladder" system. Simply print and press out the required TAGLF and apply with cable ties, they are also suitable for retrofit purposes.

Print with HellermannTyton's premium range of thermal printers and ribbons or a laser beam marking device.

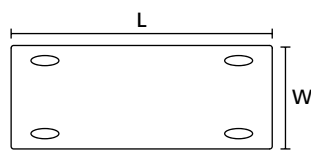


Limited fire hazard cable marker TAGLF.

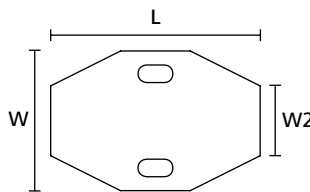
#### Features and benefits

- Limited fire hazard cable marker
- Halogen free
- For larger cables and wires, bundles
- Thermal transfer or laser beam printable
- Good mechanical strength and highly flexible
- Delivered on reel in convenient storage boxes

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Polyolefin, cross-linked (PO-X)        |
| <b>Operating Temperature</b>     | -40 °C to +105 °C, (+105 °C for 500 h) |
| <b>Flammability</b>              | self-extinguishing                     |
| <b>Recommended Ribbon Type</b>   | TTDTHOUT                               |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030                          |
| <b>EN 45545-2 Classification</b> | R22 HL3, R23 HL3                       |



Identification tag with four fixing holes.



| TYPE         | Drawing | Length (L) | Width (W) | Width (W2) | Pack Cont. | Colour      | Article-No. |
|--------------|---------|------------|-----------|------------|------------|-------------|-------------|
| TAGLF20X51-6 |         | 51.5       | 20.4      | -          | 1,000 pcs. | White (WH)  | 556-83023   |
|              |         | 51.5       | 20.4      | -          | 1,000 pcs. | Yellow (YE) | 556-83024   |
| TAGLF10X51-4 |         | 51.5       | 10.4      | -          | 2,000 pcs. | White (WH)  | 556-83013   |
|              |         | 51.5       | 10.4      | -          | 2,000 pcs. | Yellow (YE) | 556-83014   |
| TAGLF20X51-4 |         | 51.5       | 20.4      | -          | 1,000 pcs. | White (WH)  | 556-83018   |
|              |         | 51.5       | 20.4      | -          | 1,000 pcs. | Yellow (YE) | 556-83019   |
| TAGLF20X30-2 |         | 30.0       | 20.0      | 11.0       | 1,000 pcs. | Blue (BU)   | 556-83054   |
|              |         | 30.0       | 20.0      | 11.0       | 1,000 pcs. | Red (RD)    | 556-83055   |
| TAGLF20x30-2 |         | 30.0       | 20.0      | 11.0       | 1,000 pcs. | White (WH)  | 556-83038   |
|              |         | 30.0       | 20.0      | 11.0       | 1,000 pcs. | Yellow (YE) | 556-83012   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.

**EN 45545-2**

**ASTM**

**MIL**

**SAE**

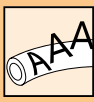
For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-475](http://www.HT.click/49-475)





### Self-laminating labels, thermal transfer

#### Helatag 1209

These labels are ideal identifying cables and wire. They consist of a printable area plus a lamination function for protection of print text against humidity, dirt, debris and mechanical abrasion. Due to its flexibility these labels are also suitable for flat ribbon cables.

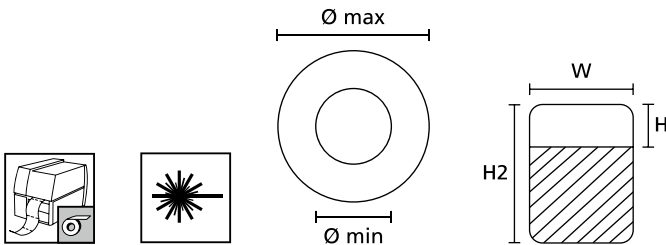
#### Features and benefits

- High-quality self-laminating labels
- Suitable for marking of wires and cables
- Laminating function gives excellent protection against humidity and mechanical abrasion
- Rounded edge design gives additional bonding strength



Helatag 1209 offers an excellent protection against abrasion and environmental impact.

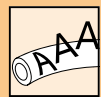
|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1209, Vinyl (1209)   |
| <b>Operating Temperature</b>     | -20 °C to +80 °C  |
| <b>Curing Temperature</b>        | from 0 °C   |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 90 µm   |
| <b>Chem. Material Properties</b> | Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis. |
| <b>Recommended Ribbon Type</b>   | TT932DOUT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030   |



| TYPE               | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Height (H2) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour                       | Article-No. |
|--------------------|---------------|---------------|-----------|------------|-------------|---------------------|----------------|-------------|------------------------------|-------------|
| TAG51TD3-1209-WHCL | 1.4           | 3.0           | 25.4      | 8.8        | 19.1        | 85.0                | 3 pcs.         | 5,000 pcs.  | White (WH), Transparent (CL) | 596-12091   |
| TAG26TD6-1209-WHCL | 1.5           | 3.0           | 12.7      | 9.5        | 19.1        | 85.0                | 6 pcs.         | 10,000 pcs. | White (WH), Transparent (CL) | 596-12096   |
| TAG36TD7-1209-WHCL | 2.0           | 4.7           | 12.7      | 9.0        | 23.8        | 95.0                | 7 pcs.         | 10,000 pcs. | White (WH), Transparent (CL) | 596-12097   |
| TAG2TD6-1209-WHCL  | 3.5           | 7.6           | 12.7      | 12.7       | 36.5        | 82.0                | 6 pcs.         | 5,000 pcs.  | White (WH), Transparent (CL) | 596-61209   |
| TAG22TD3-1209-WHCL | 3.5           | 7.6           | 25.4      | 12.7       | 36.5        | 82.0                | 3 pcs.         | 2,500 pcs.  | White (WH), Transparent (CL) | 596-32091   |
| TAG24TD1-1209-WHCL | 3.5           | 7.6           | 50.8      | 12.7       | 36.5        | 55.0                | 1 pc.          | 1,000 pcs.  | White (WH), Transparent (CL) | 596-12094   |
| TAG23TD5-1209-WHCL | 4.5           | 10.0          | 19.1      | 12.7       | 44.5        | 101.6               | 5 pcs.         | 5,000 pcs.  | White (WH), Transparent (CL) | 596-12095   |

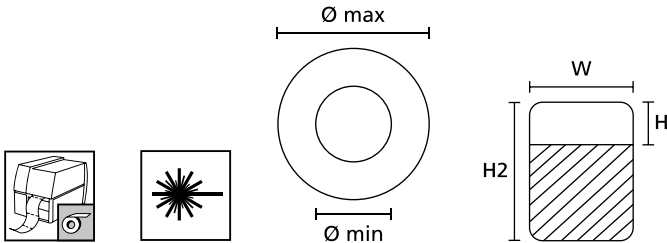
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.





### Self-laminating labels, thermal transfer

#### Helatag 1209



| TYPE                | Bundle<br>Ø min. | Bundle<br>Ø max. | Width<br>(W) | Height<br>(H) | Height<br>(H2) | Width of<br>Liner<br>(WL) | Labels<br>per Row | Pack<br>Cont. | Colour                          | Article-No. |
|---------------------|------------------|------------------|--------------|---------------|----------------|---------------------------|-------------------|---------------|---------------------------------|-------------|
| TAG25TD3-1209-WHCL  | 4.5              | 10.0             | 25.4         | 12.7          | 44.5           | 82.0                      | 3 pcs.            | 2,500<br>pcs. | White (WH),<br>Transparent (CL) | 596-51209   |
| TAG9TD3-1209-WHCL   | 5.5              | 12.1             | 25.4         | 19.1          | 57.1           | 82.0                      | 3 pcs.            | 2,500<br>pcs. | White (WH),<br>Transparent (CL) | 596-91209   |
| TAG10TD2-1209-WHCL  | 5.5              | 12.1             | 49.5         | 19.1          | 57.1           | 101.6                     | 2 pcs.            | 1,000<br>pcs. | White (WH),<br>Transparent (CL) | 596-12090   |
| TAG91TD1-1209-WHCL  | 8.0              | 16.0             | 70.0         | 35.0          | 85.0           | 74.0                      | 1 pc.             | 500 pcs.      | White (WH),<br>Transparent (CL) | 596-41209   |
| TAG1TD2-1209-WHCL   | 8.5              | 18.2             | 48.2         | 19.1          | 79.2           | 101.6                     | 2 pcs.            | 1,000<br>pcs. | White (WH),<br>Transparent (CL) | 596-21209   |
| TAG3TD3-1209-WHCL   | 10.0             | 22.2             | 25.4         | 25.4          | 95.3           | 82.0                      | 3 pcs.            | 1,000<br>pcs. | White (WH),<br>Transparent (CL) | 596-31209   |
| TAG6TD1-1209-WHCL   | 10.0             | 22.2             | 50.8         | 25.4          | 95.3           | 55.0                      | 1 pc.             | 500 pcs.      | White (WH),<br>Transparent (CL) | 596-11209   |
| TAG107TD3-1209-WHCL | 12.0             | 37.5             | 25.4         | 31.8          | 149.9          | 82.0                      | 3 pcs.            | 1,000<br>pcs. | White (WH),<br>Transparent (CL) | 596-01209   |
| TAG38TD3-1209-WHCL  | 20.8             | 47.5             | 25.4         | 38.1          | 187.2          | 82.0                      | 3 pcs.            | 1,000<br>pcs. | White (WH),<br>Transparent (CL) | 596-12098   |
| TAG07TD1-1209-WHCL  | 20.8             | 47.5             | 50.8         | 25.4          | 187.2          | 55.0                      | 1 pc.             | 250 pcs.      | White (WH),<br>Transparent (CL) | 596-71209   |

All dimensions in mm. Subject to technical changes.

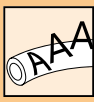
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.



Add items to your watchlist!

[www.HT.click/49-477](http://www.HT.click/49-477)





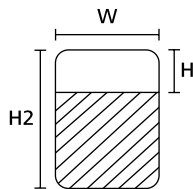
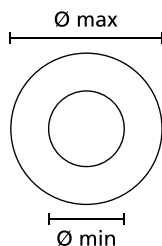
## Self-laminating labels, thermal transfer

### Helatag 1232

These self-laminating labels are ideal for marking hoses and pipes in harsh environments, e.g. as they can be found in the hydraulics industry. Helatag 1232 consists of a white printable area with a protective laminate ensure the printed text is shielded from negative environmental influences - such as humidity, dirt, debris and mechanical abrasion.

#### Features and benefits

- High-quality self-laminating labels made of polyester
- Suitable for marking of wires and cables in harsh environments
- Flexible but also tear and impact resistant material
- Excellent resistance to alcohol, gasoline, cleaning agents and hydraulic oils
- Very temperature and UV-resistant
- Perforation allows demand-based shortening of the protective laminate for smaller outer diameters
- Laminating function gives excellent protection against humidity and mechanical abrasion
- Rounded edge design gives additional bonding strength



Helatag 1232 – self-laminating labels with good resistance to alcohol and hydraulic oils.

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1232, Polyester, white transparent, self-laminating (1232)   |
| <b>Operating Temperature</b>     | -40 °C to +150 °C   |
| <b>Curing Temperature</b>        | from +2 °C  |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 50 µm   |
| <b>Chem. Material Properties</b> | Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis. |
| <b>Recommended Ribbon Type</b>   | TT822OUT  |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030   |

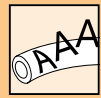


| TYPE                | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Height (H2) | Width of Liner (WL) | Labels per Row | Pack Cont. | Colour                       | Article-No. |
|---------------------|---------------|---------------|-----------|------------|-------------|---------------------|----------------|------------|------------------------------|-------------|
| <b>TAG32-135TD1</b> | 14.0          | 30.2          | 32.0      | 40.0       | 135.0       | 38.0                | 1 pc.          | 650 pcs.   | White (WH), Transparent (CL) | 596-01904   |
| <b>TAG32-230TD1</b> | 30.2          | 56.0          | 32.0      | 60.0       | 230.0       | 36.0                | 1 pc.          | 400 pcs.   | White (WH), Transparent (CL) | 596-01903   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.





### Self-laminating labels, thermal transfer

#### Helatag 323 (White-Transparent), high temperature

This self-laminating label consists of a printable area with a protective laminate ensure the printed text is shielded from negative environmental influences - such as humidity, dirt, debris and mechanical abrasion. It is ideally suited for wire and cable marking in both high temperature and outside environments, particular used in industry as well as military technology.

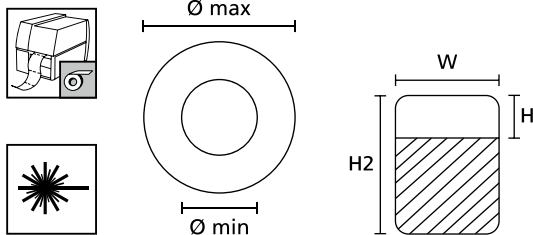
#### Features and benefits

- High temperature self-laminating labels with an inscription field
- Extremely scratch and chemical resistant
- Protective laminating foil ensures optimal protection against humidity, dirt, debris, and mechanical abrasion
- Survives 5 years external weathering in central European climate



Easy marking of flexible, semi-rigid and rigid cables and wires.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 323, Polyvinylidene Fluoride (323)  |
| <b>Operating Temperature</b>     | -40 °C to +140 °C  |
| <b>Curing Temperature</b>        | from +10 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 25 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance against water, UV radiation, weather influence and solvents based on petroleum. |
| <b>Recommended Ribbon Type</b>   | TT932DOUT  |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030  |



| TYPE               | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Height (H2) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour                       | Article-No. |
|--------------------|---------------|---------------|-----------|------------|-------------|---------------------|----------------|-------------|------------------------------|-------------|
| TAG51TD3-323-WHCL  | 1.4           | 3.0           | 25.4      | 8.8        | 19.1        | 85.0                | 3 pcs.         | 5,000 pcs.  | White (WH), Transparent (CL) | 596-51320   |
| TAG26TD6-323-WHCL  | 1.5           | 3.0           | 12.7      | 9.5        | 19.1        | 85.0                | 6 pcs.         | 10,000 pcs. | White (WH), Transparent (CL) | 596-26320   |
| TAG36TD7-323-WHCL  | 2.0           | 4.7           | 12.7      | 9.0        | 23.8        | 95.0                | 7 pcs.         | 10,000 pcs. | White (WH), Transparent (CL) | 596-36320   |
| TAG2TD6-323-WHCL   | 3.5           | 7.6           | 12.7      | 12.7       | 36.5        | 82.0                | 6 pcs.         | 5,000 pcs.  | White (WH), Transparent (CL) | 596-02320   |
| TAG22TD3-323-WHCL  | 3.5           | 7.6           | 25.4      | 12.7       | 36.5        | 82.0                | 3 pcs.         | 2,500 pcs.  | White (WH), Transparent (CL) | 596-22320   |
| TAG24TD1-323-WHCL  | 3.5           | 7.6           | 50.8      | 12.7       | 36.5        | 55.0                | 1 pc.          | 1,000 pcs.  | White (WH), Transparent (CL) | 596-24320   |
| TAG23TD5-323-WHCL  | 4.5           | 10.0          | 19.1      | 12.7       | 44.5        | 101.6               | 5 pcs.         | 5,000 pcs.  | White (WH), Transparent (CL) | 596-23320   |
| TAG25TD3-323-WHCL  | 4.5           | 10.0          | 25.4      | 12.7       | 44.5        | 82.0                | 3 pcs.         | 2,500 pcs.  | White (WH), Transparent (CL) | 596-25320   |
| TAG9TD3-323-WHCL   | 5.5           | 12.1          | 25.4      | 19.1       | 57.1        | 82.0                | 3 pcs.         | 2,500 pcs.  | White (WH), Transparent (CL) | 596-09320   |
| TAG10TD2-323-WHCL  | 5.5           | 12.1          | 49.5      | 19.1       | 57.1        | 101.6               | 2 pcs.         | 1,000 pcs.  | White (WH), Transparent (CL) | 596-10320   |
| TAG1TD2-323-WHCL   | 8.5           | 18.2          | 48.2      | 19.1       | 79.2        | 101.6               | 2 pcs.         | 1,000 pcs.  | White (WH), Transparent (CL) | 596-01320   |
| TAG3TD3-323-WHCL   | 10.0          | 22.2          | 25.4      | 25.4       | 95.3        | 82.0                | 3 pcs.         | 1,000 pcs.  | White (WH), Transparent (CL) | 596-03320   |
| TAG6TD1-323-WHCL   | 10.0          | 22.2          | 50.8      | 25.4       | 95.3        | 55.0                | 1 pc.          | 500 pcs.    | White (WH), Transparent (CL) | 596-06320   |
| TAG107TD3-323-WHCL | 12.0          | 37.5          | 25.4      | 31.8       | 149.9       | 82.0                | 3 pcs.         | 1,000 pcs.  | White (WH), Transparent (CL) | 596-10732   |
| TAG38TD3-323-WHCL  | 20.8          | 47.5          | 25.4      | 38.1       | 187.2       | 82.0                | 3 pcs.         | 1,000 pcs.  | White (WH), Transparent (CL) | 596-38320   |
| TAG07TD1-323-WHCL  | 20.8          | 47.5          | 50.8      | 25.4       | 187.2       | 55.0                | 1 pc.          | 250 pcs.    | White (WH), Transparent (CL) | 596-07320   |

All dimensions in mm. Subject to technical changes.

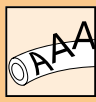
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.



Add items to your watchlist!

[www.HT.click/49-479](http://www.HT.click/49-479)





## Self-laminating labels, laser printer

### Helatag 1104 (White-Transparent)

A specially developed material for use in labels required to wrap around cables and wires. The structure of the label ensures that once the label is applied to the wire it remains in place without lifting. The rounded edge construction gives additional bonding features not found in straight edge label designs. The information is printed onto the white inscription area. The printed information area is placed onto the wire and the transparent tail is wrapped around the wire and covers the text; this gives excellent protection from abrasion, dust and debris. TagPrint Pro labelling program comes pre-loaded with all our labels. Designing labels is simply done; just choose inbuilt graphics or download your own and add data from ERP system or standard office programs such as Excel. Barcodes are created in a couple of clicks.

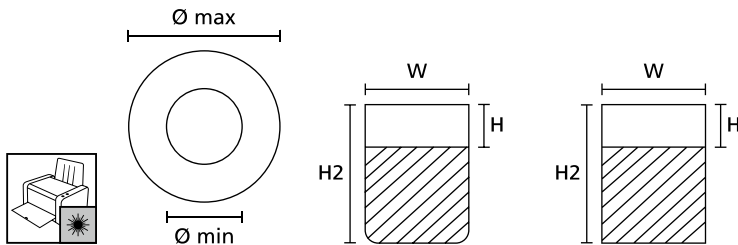
#### Features and benefits

- High-quality self-laminating labels
- Suitable for marking of wires and cables
- Laminating function gives excellent protection against humidity and mechanical abrasion
- Rounded edge design gives additional bonding strength
- Standard material (25 micron) for standard labels
- Simple and efficient label design and printing with TagPrint Pro labelling software
- Templates available from [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates) for those wishing to use MS Word
- Clear protective box to ensure labels stay as good as new



Laminating the mark gives long-term print survivability.

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1104, Polyester, white transparent, self-laminating (1104)   |
| <b>Operating Temperature</b>     | -40 °C to +150 °C   |
| <b>Curing Temperature</b>        | from +10 °C   |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 25 µm   |
| <b>Chem. Material Properties</b> | Excellent resistance to alcohol, gasoline, cleaning solvents, butanol, ethyl and Butylcellosolve solvent, battery acid. |



Only 594-11041 and 594-11040



**Software TagPrint Pro for troublefree printing see page 526. For MS-Windows Word design templates for simple applications please refer to [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates).**

| TYPE                | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Height (H2) | Labels per Sheet | Pack Cont. | Colour                       | Article-No. |
|---------------------|---------------|---------------|-----------|------------|-------------|------------------|------------|------------------------------|-------------|
| TAG26LA4-1104-WHCL  | 1.5           | 3.0           | 12.7      | 9.5        | 19.1        | 180 pcs.         | 5,000 pcs. | White (WH), Transparent (CL) | 594-11041   |
| TAG130LA4-1104-WHCL | 2.4           | 4.8           | 12.7      | 9.0        | 24.0        | 165 pcs.         | 5,000 pcs. | White (WH), Transparent (CL) | 594-21104   |
| TAG49LA4-1104-WHCL  | 2.6           | 5.3           | 25.4      | 8.8        | 25.4        | 70 pcs.          | 2,500 pcs. | White (WH), Transparent (CL) | 594-11042   |
| TAG131LA4-1104-WHCL | 3.8           | 7.6           | 12.7      | 12.7       | 36.5        | 105 pcs.         | 2,500 pcs. | White (WH), Transparent (CL) | 594-31104   |
| TAG132LA4-1104-WHCL | 3.8           | 7.6           | 20.3      | 12.7       | 36.5        | 63 pcs.          | 2,500 pcs. | White (WH), Transparent (CL) | 594-41104   |
| TAG02LA4-1104-WHCL  | 3.8           | 7.6           | 25.4      | 12.7       | 36.5        | 49 pcs.          | 2,450 pcs. | White (WH), Transparent (CL) | 594-01104   |
| TAG133LA4-1104-WHCL | 5.1           | 10.1          | 19.1      | 12.7       | 44.5        | 60 pcs.          | 2,500 pcs. | White (WH), Transparent (CL) | 594-51104   |
| TAG134LA4-1104-WHCL | 5.1           | 10.1          | 25.4      | 12.7       | 44.5        | 42 pcs.          | 1,000 pcs. | White (WH), Transparent (CL) | 594-61104   |
| TAG09LA4-1104-WHCL  | 5.8           | 11.6          | 25.4      | 19.1       | 55.5        | 35 pcs.          | 1,000 pcs. | White (WH), Transparent (CL) | 594-11104   |
| TAG135LA4-1104-WHCL | 6.7           | 13.5          | 48.5      | 12.7       | 55.0        | 20 pcs.          | 500 pcs.   | White (WH), Transparent (CL) | 594-71104   |
| TAG137LA4-1104-WHCL | 7.1           | 14.3          | 31.8      | 22.9       | 67.7        | 24 pcs.          | 1,000 pcs. | White (WH), Transparent (CL) | 594-91104   |
| TAG136LA4-1104-WHCL | 7.7           | 15.5          | 25.4      | 19.1       | 67.7        | 28 pcs.          | 1,000 pcs. | White (WH), Transparent (CL) | 594-81104   |
| TAG145LA4-1104-WHCL | 11.1          | 22.3          | 25.4      | 25.4       | 95.3        | 21 pcs.          | 1,000 pcs. | White (WH), Transparent (CL) | 594-11040   |

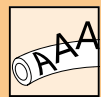
All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.







### Self-laminating labels, laser printer

#### Helatag 1105 (White-Transparent)

These labels are ideal for marking cables of a larger diameter. The type 1105 self-laminating labels exceed the length of 100 mm and are made of a thicker material than type 1104.

Because of its greater material rigidity these labels can be easily removed from the sheet and applied by hand to larger cables and hoses.

#### Features and benefits

- High-quality self-laminating labels
- Suitable for marking of wires and cables
- Laminating function gives excellent protection against humidity and mechanical abrasion
- Rounded edge design gives additional bonding strength
- Thicker material (50 micron) for longer labels
- Simple and efficient label design and printing with TagPrint Pro labelling software
- Templates available from [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates) for those wishing to use MS Word
- Clear protective box to ensure labels stay as good as new

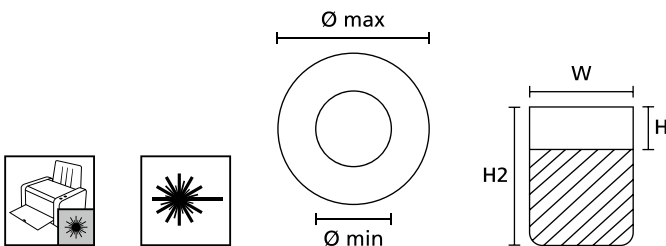


Laminating the mark gives long-term print survivability.

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1105, Polyester, white transparent, self-laminating (1105)   |
| <b>Operating Temperature</b>     | -40 °C to +150 °C   |
| <b>Curing Temperature</b>        | from +2 °C  |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 50 µm   |
| <b>Chem. Material Properties</b> | Excellent resistance to alcohol, gasoline, cleaning solvents, butanol, ethyl and Butylcellosolve solvent, battery acid. |



**Software TagPrint Pro for troublefree printing see page 526. For MS-Windows Word design templates for simple applications please refer to [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates).**



| TYPE                       | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Height (H2) | Labels per Sheet | Pack Cont. | Colour                       | Article-No. |
|----------------------------|---------------|---------------|-----------|------------|-------------|------------------|------------|------------------------------|-------------|
| <b>TAG138LA4-1105-WHCL</b> | 11.8          | 23.6          | 38.1      | 19.1       | 93.1        | 15 pcs.          | 500 pcs.   | White (WH), Transparent (CL) | 594-13876   |
| <b>TAG139LA4-1105-WHCL</b> | 18.2          | 36.4          | 38.1      | 25.4       | 139.7       | 10 pcs.          | 500 pcs.   | White (WH), Transparent (CL) | 594-13976   |

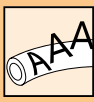
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Add items to your watchlist!

[www.HT.click/49-481](http://www.HT.click/49-481)





### Self-laminating labels, manual marking

#### RiteOn, Starter Pack, Material 1401 dispenser

A specially developed material for use in labels required to wrap around cables and wires. The conformable structure of the label ensures that once the label is applied to the wire it remains in place without lifting. The SPRO200-1401-WH Starter Pack contains all you need to start work identifying your wires,

- 1 x RiteOn dispenser
- 1 x RO202 reel of 150 self-laminating labels for cable diameters ranging from 6 mm to 12 mm
- 1 x T82S-BK black indelible ink marker pen

#### Features and benefits

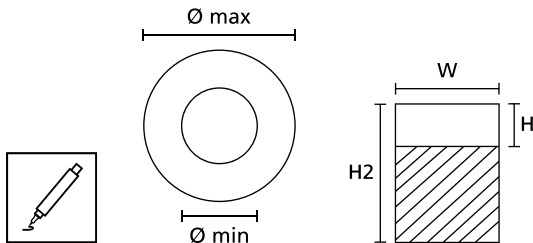
- Palm sized hand held self-laminating label dispenser
- Easy to write on and dispense labels
- Wide range of wire diameters covered as standard
- Ideal for low volume maintenance and repair work
- Write text with specially formulated fast-drying ink T82 pens



Easy to write and dispense labels with RiteOn label dispenser.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1401, Vinyl (1401)                    |
| <b>Operating Temperature</b>     | -40 °C to +80 °C                           |
| <b>Curing Temperature</b>        | from +10 °C                                |
| <b>Adhesive</b>                  | Acrylic                                    |
| <b>Thickness of Foil</b>         | 80 µm                                      |
| <b>Chem. Material Properties</b> | Resistant to water, oil and many solvents. |

RoHS



[www.HellermannTyton.co.uk/RiteOn-cat22](http://www.HellermannTyton.co.uk/RiteOn-cat22)

| TYPE             | Description      | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Height (H2) | Pack Cont. | Colour                       | Article-No. |
|------------------|------------------|---------------|---------------|-----------|------------|-------------|------------|------------------------------|-------------|
| RO201-1401-WH    | Filled dispenser | 4.0           | 8.1           | 12.7      | 12.7       | 38.1        | 200 pcs.   | White (WH), Transparent (CL) | 550-14011   |
| RO202-1401-WH    |                  | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 150 pcs.   | White (WH), Transparent (CL) | 550-14012   |
| RO203-1401-WH    |                  | 9.1           | 18.2          | 19.1      | 25.4       | 76.2        | 100 pcs.   | White (WH), Transparent (CL) | 550-14013   |
| RO201REF-1401-WH | Refill packs     | 4.0           | 8.1           | 12.7      | 12.7       | 38.1        | 200 pcs.   | White (WH), Transparent (CL) | 550-14014   |
| RO202REF-1401-WH |                  | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 150 pcs.   | White (WH), Transparent (CL) | 550-11401   |
| RO203REF-1401-WH |                  | 9.1           | 18.2          | 19.1      | 25.4       | 76.2        | 100 pcs.   | White (WH), Transparent (CL) | 550-71401   |
| SPRO200-1401-WH  | Starter pack     | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 150 pcs.   | White (WH), Transparent (CL) | 550-14010   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.

| TYPE    | Description          | Pack Cont. | Colour     | Article-No. |
|---------|----------------------|------------|------------|-------------|
| T82S-BK | Indelible Marker Pen | 2 pcs.     | Black (BK) | 500-50820   |
| T82R-RD | Indelible Marker Pen | 2 pcs.     | Red (RD)   | 500-50822   |

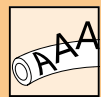
Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Add items to your watchlist!

[www.HT.click/49-482](http://www.HT.click/49-482)





### Self-laminating labels, manual marking

#### HELASIGN, Material 1402, Booklet

A quick and simple on-site solution, for either permanent or temporary marking of wires, cables and pipes.

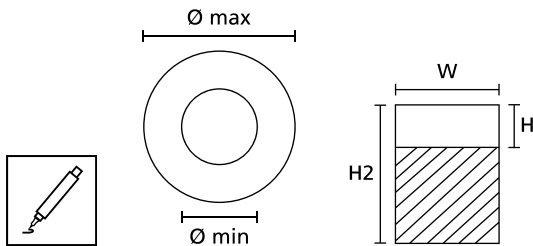
#### Features and benefits

- Self-laminating labels supplied in handy pocket-sized booklets
- Booklet cover protects labels when stored
- Ideal for low volume maintenance and repair work
- Easy to write on and dispense labels
- Laminating function gives excellent protection against humidity and mechanical abrasion
- Applicator tool for clean application enclosed
- Write text with specially formulated fast-drying ink T82 pens



Always on hand: Labels in a convenient, pocket sized and lightweight booklet.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1402, Vinyl (1402)                    |
| <b>Operating Temperature</b>     | -40 °C to +80 °C                           |
| <b>Curing Temperature</b>        | from +8 °C                                 |
| <b>Adhesive</b>                  | Acrylic                                    |
| <b>Thickness of Foil</b>         | 80 µm                                      |
| <b>Chem. Material Properties</b> | Resistant to water, oil and many solvents. |



| TYPE            | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Height (H2) | Pack Cont. | Colour                        | Article-No. |
|-----------------|---------------|---------------|-----------|------------|-------------|------------|-------------------------------|-------------|
| HSMB-C2-1402-BU | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 120 pcs.   | Blue (BU), Transparent (CL)   | 598-11402   |
| HSMB-C2-1402-GN | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 120 pcs.   | Green (GN), Transparent (CL)  | 598-01402   |
| HSMB-C2-1402-OG | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 120 pcs.   | Orange (OG), Transparent (CL) | 598-14028   |
| HSMB-C2-1402-RD | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 120 pcs.   | Red (RD), Transparent (CL)    | 598-14027   |
| HSMB-C2-1402-WH | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 120 pcs.   | White (WH), Transparent (CL)  | 598-14026   |
| HSMB-C2-1402-YE | 6.1           | 12.1          | 19.1      | 12.7       | 50.8        | 120 pcs.   | Yellow (YE), Transparent (CL) | 598-14029   |
| HSMB-C3-1402-BU | 9.1           | 18.2          | 25.4      | 19.1       | 76.2        | 60 pcs.    | Blue (BU), Transparent (CL)   | 598-71402   |
| HSMB-C3-1402-GN | 9.1           | 18.2          | 25.4      | 19.1       | 76.2        | 60 pcs.    | Green (GN), Transparent (CL)  | 598-61402   |
| HSMB-C3-1402-OG | 9.1           | 18.2          | 25.4      | 19.1       | 76.2        | 60 pcs.    | Orange (OG), Transparent (CL) | 598-41402   |
| HSMB-C3-1402-RD | 9.1           | 18.2          | 25.4      | 19.1       | 76.2        | 60 pcs.    | Red (RD), Transparent (CL)    | 598-31402   |
| HSMB-C3-1402-WH | 9.1           | 18.2          | 25.4      | 19.1       | 76.2        | 60 pcs.    | White (WH), Transparent (CL)  | 598-21402   |
| HSMB-C3-1402-YE | 9.1           | 18.2          | 25.4      | 19.1       | 76.2        | 60 pcs.    | Yellow (YE), Transparent (CL) | 598-51402   |
| HSMB-C4-1402-WH | 16.2          | 32.3          | 25.4      | 25.4       | 127.0       | 30 pcs.    | White (WH), Transparent (CL)  | 598-40402   |
| HSMB-C5-1402-WH | 20.2          | 40.3          | 25.4      | 25.4       | 152.0       | 30 pcs.    | White (WH), Transparent (CL)  | 598-50402   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.

| TYPE    | Description          | Pack Cont. | Colour     | Article-No. |
|---------|----------------------|------------|------------|-------------|
| T82S-BK | Indelible Marker Pen | 2 pcs.     | Black (BK) | 500-50820   |
| T82R-RD | Indelible Marker Pen | 2 pcs.     | Red (RD)   | 500-50822   |

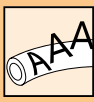
Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Add items to your watchlist!

[www.HT.click/49-483](http://www.HT.click/49-483)





### Pre-printed Cable Markers

#### Helagrip, slide on, chevron cut

The Helagrip range consists of pre-printed markers that slide easily onto cables and wires. The anti-skew chevron-cut ensures that markers are locked together and stay in place.

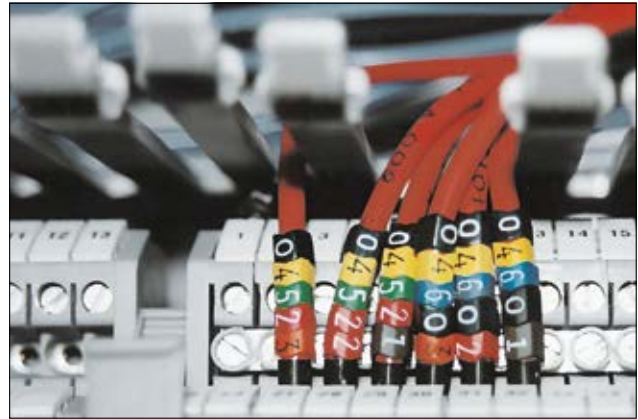
The markers are ideally suited for panel building, mass transit, utilities, telecommunications and electrical contracting.

Markers are available as standard in international resistor colour code and yellow material marked in black. White material marked in black is available to special order.

Characters are 0-9, A-Z and standard electrical symbols.

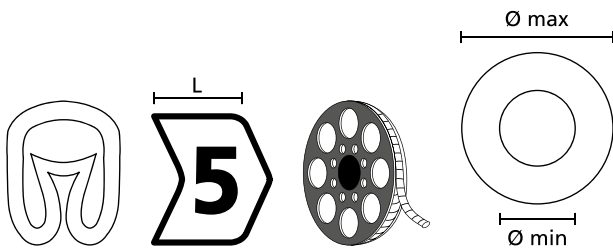
#### Features and benefits

- Easily apply one size marker to wide range of cables
- Markers are applied before termination takes place
- Chevron cut to lock markers together ensuring text remains in place
- Traditional wire marking available in yellow, white and colour code
- Flexible material so product returns securely on the wire
- Applicator tool TJC available



Clearly a better way to identify in confined spaces.

|                              |   |
|------------------------------|---|
| <b>MATERIAL</b>              | Flexible Polyvinyl Chloride, cadmium free (PVC) |
| <b>Operating Temperature</b> | -65 °C to +105 °C, intermittent +135 °C         |
| <b>Flammability</b>          | UL 94 V0 (3 mm)                                 |



Helagrip chevron cut.

**i** The products have been tested in-house according to UL224.

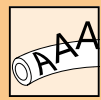
| TYPE    | Bundle Ø min. | Bundle Ø max. | Length (L) | Pack Cont. |
|---------|---------------|---------------|------------|------------|
| HGDC1-3 | 1.0           | 3.0           | 3.5        | 1,000 pcs. |
| HGDC2-5 | 2.0           | 5.0           | 3.5        | 1,000 pcs. |
| HGDC4-9 | 4.0           | 9.0           | 5.0        | 250 pcs.   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.

| TYPE   | Description            | For Size     | Article-No. |
|--------|------------------------|--------------|-------------|
| TJC1-3 | Applicator tool TJC1-3 | Helagrip 1-3 | 518-00113   |
| TJC2-5 | Applicator tool TJC2-5 | Helagrip 2-5 | 518-00125   |
| TJC4-9 | Applicator tool TJC4-9 | Helagrip 4-9 | 518-00149   |

Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.





### Pre-printed Cable Markers

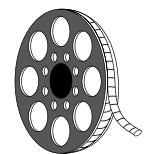
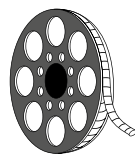
Helagrip, slide on, chevron cut

| HGDC1-3 |             |
|---------|-------------|
|         | Article-No. |
| A       | 515-01014   |
| B       | 515-01024   |
| C       | 515-01034   |
| D       | 515-01044   |
| E       | 515-01054   |
| F       | 515-01064   |
| G       | 515-01074   |
| H       | 515-01084   |
| I       | 515-01094   |
| J       | 515-01104   |
| K       | 515-01114   |
| L       | 515-01124   |
| M       | 515-01134   |
| N       | 515-01144   |
| O       | 515-01154   |
| P       | 515-01164   |
| Q       | 515-01174   |
| R       | 515-01184   |
| S       | 515-01194   |
| T       | 515-01204   |
| U       | 515-01214   |
| V       | 515-01224   |
| W       | 515-01234   |
| X       | 515-01244   |
| Y       | 515-01254   |
| Z       | 515-01264   |

| HGDC1-3 |             |
|---------|-------------|
|         | Article-No. |
| 0       | 515-01604   |
| 1       | 515-01614   |
| 2       | 515-01624   |
| 3       | 515-01634   |
| 4       | 515-01644   |
| 5       | 515-01654   |
| 6       | 515-01664   |
| 7       | 515-01674   |
| 8       | 515-01684   |
| 9       | 515-01694   |
| +       | 515-01704   |
| -       | 515-01714   |
| ∩       | 515-01724   |
| ∪       | 515-01734   |
| •       | 515-01804   |
| 0       | 515-01600   |
| 1       | 515-01611   |
| 2       | 515-01622   |
| 3       | 515-01633   |
| 4       | 515-01644   |
| 5       | 515-01655   |
| 6       | 515-01666   |
| 7       | 515-01677   |
| 8       | 515-01688   |
| 9       | 515-01699   |

| HGDC2-5 |             |
|---------|-------------|
|         | Article-No. |
| A       | 515-02014   |
| B       | 515-02024   |
| C       | 515-02034   |
| D       | 515-02044   |
| E       | 515-02054   |
| F       | 515-02064   |
| G       | 515-02074   |
| H       | 515-02084   |
| I       | 515-02094   |
| J       | 515-02104   |
| K       | 515-02114   |
| L       | 515-02124   |
| M       | 515-02134   |
| N       | 515-02144   |
| O       | 515-02154   |
| P       | 515-02164   |
| Q       | 515-02174   |
| R       | 515-02184   |
| S       | 515-02194   |
| T       | 515-02204   |
| U       | 515-02214   |
| V       | 515-02224   |
| W       | 515-02234   |
| X       | 515-02244   |
| Y       | 515-02254   |
| Z       | 515-02264   |

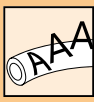
| HGDC2-5 |             |
|---------|-------------|
|         | Article-No. |
| 0       | 515-02604   |
| 1       | 515-02614   |
| 2       | 515-02624   |
| 3       | 515-02634   |
| 4       | 515-02644   |
| 5       | 515-02654   |
| 6       | 515-02664   |
| 7       | 515-02674   |
| 8       | 515-02684   |
| 9       | 515-02694   |
| +       | 515-02704   |
| -       | 515-02714   |
| ∩       | 515-02715   |
| ∪       | 515-02724   |
| •       | 515-02734   |
| 0       | 515-02600   |
| 1       | 515-02611   |
| 2       | 515-02622   |
| 3       | 515-02633   |
| 4       | 515-02644   |
| 5       | 515-02655   |
| 6       | 515-02666   |
| 7       | 515-02677   |
| 8       | 515-02688   |
| 9       | 515-02699   |



Add items to your wishlist!

[www.HT.click/49-485](http://www.HT.click/49-485)

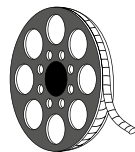


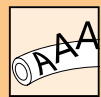


### Pre-printed Cable Markers

Helagrip, slide on, chevron cut

| HGDC4-9 |             | HGDC4-9 |             |
|---------|-------------|---------|-------------|
|         | Article-No. |         | Article-No. |
| A       | 515-03014   | 0       | 515-03604   |
| B       | 515-03024   | 1       | 515-03614   |
| C       | 515-03034   | 2       | 515-03624   |
| D       | 515-03044   | 3       | 515-03634   |
| E       | 515-03054   | 4       | 515-03644   |
| F       | 515-03064   | 5       | 515-03654   |
| G       | 515-03074   | 6       | 515-03664   |
| H       | 515-03084   | 7       | 515-03674   |
| I       | 515-03094   | 8       | 515-03684   |
| J       | 515-03104   | 9       | 515-03694   |
| K       | 515-03114   | +       | 515-03704   |
| L       | 515-03124   | -       | 515-03714   |
| M       | 515-03134   | ∩       | 515-03724   |
| N       | 515-03144   | ▷       | 515-01946   |
| O       | 515-03154   | ↓       | 515-01947   |
| P       | 515-03164   | 0       | 515-03600   |
| Q       | 515-03174   | 1       | 515-03611   |
| R       | 515-03184   | 2       | 515-03622   |
| S       | 515-03194   | 3       | 515-03633   |
| T       | 515-03204   | 4       | 515-03644   |
| U       | 515-03214   | 5       | 515-03655   |
| V       | 515-03224   | 6       | 515-03666   |
| W       | 515-03234   | 7       | 515-03677   |
| X       | 515-03244   | 8       | 515-03688   |
| Y       | 515-03254   | 9       | 515-03699   |
| Z       | 515-03264   |         |             |





### Pre-printed Cable Markers

#### Ovalgrip, slide on, straight cut

The Ovalgrip range consists of pre-printed markers that slide easily onto cables and wires. The markers are ideally suited to panel building, mass transit, utilities, telecommunications and electrical contracting.

These markers are supplied as standard on a disk / reel.

They are available as a standard in yellow material marked in black, and international resistor colour code. Characters are 0-9, A-Z and standard electrical symbols.

White material marked in black available on special request.

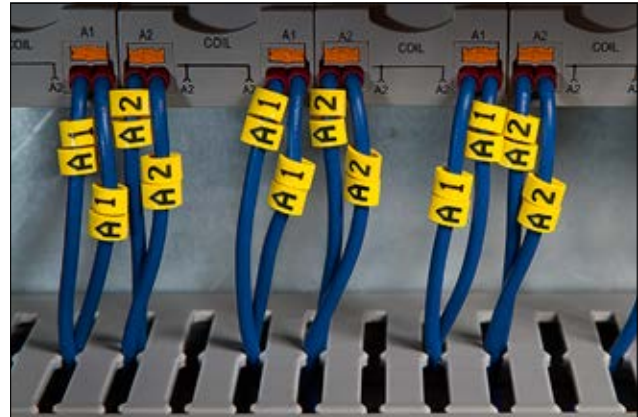
AT1 Arrowtags will fit 7 size 50 markers.

AT2 Arrowtags will fit 8 size 85 markers.

AT3 Arrowtags will fit 14 size 85 markers.

#### Features and benefits

- Oval shaped markers designed to fit AT1, AT2 or AT3 (depends on Ovalgrip size)
- Ideal for use in maintenance and repair and fixed with cable ties
- Direct application to wire and cable before termination is also recommended

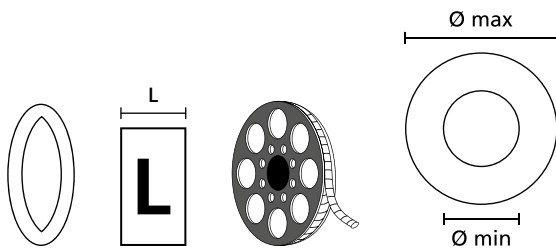


A simple idea for complex marking needs.

|                              |   |
|------------------------------|---|
| <b>MATERIAL</b>              | Flexible Polyvinyl Chloride, cadmium free (PVC) |
| <b>Operating Temperature</b> | -65 °C to +105 °C, intermittent +135 °C         |
| <b>Flammability</b>          | UL 94 V0 (3 mm)                                 |



For details on Arrowtags please see page 492.



Ovalgrip straight cut.

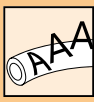


The products have been tested in-house according to UL224.

| TYPE          | Bundle Ø min. | Bundle Ø max. | Length (L) | Pack Cont. | For Size |
|---------------|---------------|---------------|------------|------------|----------|
| <b>HODS50</b> | 1.7           | 3.7           | 4.0        | 1,000 pcs. | AT1      |
| <b>HODS85</b> | 1.8           | 6.0           | 4.5        | 1,000 pcs. | AT2/AT3  |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.





### Pre-printed Cable Markers

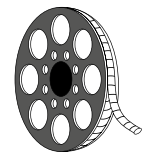
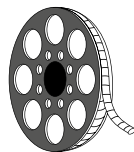
Ovalgrip, slide on, straight cut

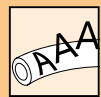
| HODS50 |             |
|--------|-------------|
|        | Article-No. |
| A      | 531-15014   |
| B      | 531-15024   |
| C      | 531-15034   |
| D      | 531-15044   |
| E      | 531-15054   |
| F      | 531-15064   |
| G      | 531-15074   |
| H      | 531-15084   |
| I      | 531-15094   |
| J      | 531-15104   |
| K      | 531-15114   |
| L      | 531-15124   |
| M      | 531-15134   |
| N      | 531-15144   |
| O      | 531-15154   |
| P      | 531-15164   |
| Q      | 531-15174   |
| R      | 531-15184   |
| S      | 531-15194   |
| T      | 531-15204   |
| U      | 531-15214   |
| V      | 531-15224   |
| W      | 531-15234   |
| X      | 531-15244   |
| Y      | 531-15254   |
| Z      | 531-15264   |

| HODS50 |             |
|--------|-------------|
|        | Article-No. |
| 0      | 531-15274   |
| 1      | 531-15284   |
| 2      | 531-15294   |
| 3      | 531-15304   |
| 4      | 531-15314   |
| 5      | 531-15324   |
| 6      | 531-15334   |
| 7      | 531-15344   |
| 8      | 531-15354   |
| 9      | 531-15364   |
| .      | 531-00174   |
| /      | 531-00175   |
| ⊥      | 531-00176   |
| +      | 531-00451   |
| -      | 531-00452   |
| 0      | 531-15365   |
| 1      | 531-15366   |
| 2      | 531-15367   |
| 3      | 531-15368   |
| 4      | 531-15314   |
| 5      | 531-15370   |
| 6      | 531-15371   |
| 7      | 531-15372   |
| 8      | 531-15373   |
| 9      | 531-15374   |

| HODS85 |             |
|--------|-------------|
|        | Article-No. |
| A      | 531-07935   |
| B      | 531-07936   |
| C      | 531-07937   |
| D      | 531-07938   |
| E      | 531-07939   |
| F      | 531-07940   |
| G      | 531-07941   |
| H      | 531-07942   |
| I      | 531-07943   |
| J      | 531-07944   |
| K      | 531-07945   |
| L      | 531-07946   |
| M      | 531-07947   |
| N      | 531-07948   |
| O      | 531-07949   |
| P      | 531-07950   |
| Q      | 531-07951   |
| R      | 531-07952   |
| S      | 531-07953   |
| T      | 531-07954   |
| U      | 531-07955   |
| V      | 531-07956   |
| W      | 531-07957   |
| X      | 531-07958   |
| Y      | 531-07959   |
| Z      | 531-07960   |

| HODS85 |             |
|--------|-------------|
|        | Article-No. |
| 0      | 531-07925   |
| 1      | 531-07926   |
| 2      | 531-07927   |
| 3      | 531-07928   |
| 4      | 531-07732   |
| 5      | 531-07930   |
| 6      | 531-07931   |
| 7      | 531-07932   |
| 8      | 531-07933   |
| 9      | 531-07934   |
| .      | 531-00384   |
| /      | 531-07961   |
| ⊥      | 531-00386   |
| +      | 531-07924   |
| -      | 531-07923   |
| 0      | 531-07728   |
| 1      | 531-07729   |
| 2      | 531-07730   |
| 3      | 531-07731   |
| 4      | 531-07732   |
| 5      | 531-07733   |
| 6      | 531-07734   |
| 7      | 531-07735   |
| 8      | 531-07736   |
| 9      | 531-07737   |





### Pre-printed cable markers

#### WIC, snap on

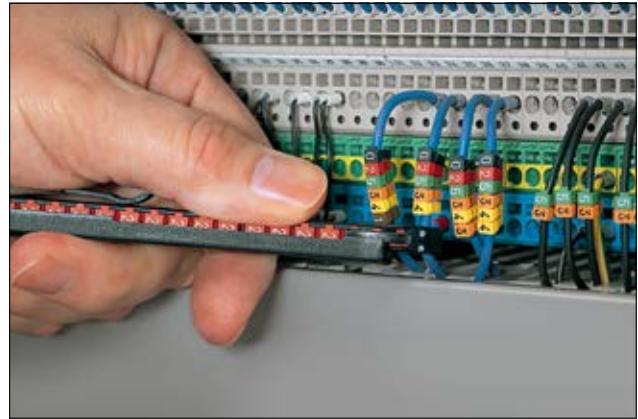
The WIC range of pre-printed cable markers easily snap onto cables and wires. The WIC tool ensures an easy application of the markers – simply insert the markers into the tool, slide down and press the markers onto the wire while twisting. Markers for fibre cables should be applied by hand.

All markers come with a locking mechanism to ensure perfect text alignment.

The two WICA accessories are ideal for marking cables of larger diameters (6 mm<sup>2</sup> - 95 mm<sup>2</sup>).

#### Features and benefits

- Fast and easy to use pre-printed nylon snap-on marker
- Ideal where termination is completed or for maintenance and repair
- Markers lock together to give perfect text alignment
- Vibration resistant markers, WIC markers lock onto wire and cable tightly
- WIC tool holds 20 WIC marker in all three sizes
- Gripping system locks markers onto wire and resists rotation
- Available in Yellow, White and international resistor colour code
- Popular 2 digit markings such as L1, L2, L3, PE are available in Yellow or colour code
- Dispenser colour denotes marker size: WIC0 (GN), WIC1 (RD), WIC2 (BU), WIC3 (YE)



Use the applicator to simply snap the marker onto your cable.

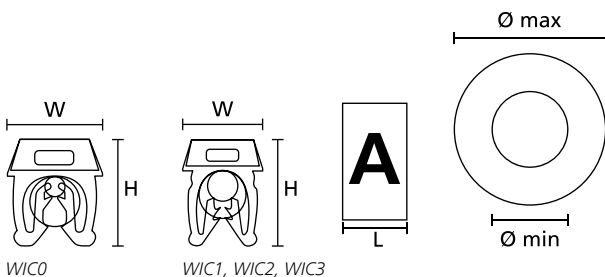
|                              |                                    |
|------------------------------|------------------------------------|
| <b>MATERIAL</b>              | Polyamide 6.6 (PA66)               |
| <b>Operating Temperature</b> | -40 °C to +85 °C, (+105 °C, 500 h) |
| <b>Flammability</b>          | UL 94 V0                           |



**Customized marking on request**



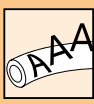
[www.HellermannTyton.co.uk/WIC-cat22](http://www.HellermannTyton.co.uk/WIC-cat22)



| TYPE | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Length (L) | Wire Size Range (mm <sup>2</sup> ) | Pack Cont. | Application Tool |
|------|---------------|---------------|-----------|------------|------------|------------------------------------|------------|------------------|
| WIC0 | 0.80          | 2.20          | 5.0       | 5.5        | 3.0        | 0.15-0.75                          | 1,000 pcs. | WIC Tool         |
| WIC1 | 2.00          | 2.80          | 5.0       | 6.4        | 3.0        | 0.50-1.50                          | 1,000 pcs. |                  |
| WIC2 | 2.80          | 3.80          | 5.6       | 7.1        | 3.0        | 1.50-2.50                          | 1,000 pcs. |                  |
| WIC3 | 4.30          | 5.30          | 8.0       | 9.6        | 3.0        | 4.00-6.00                          | 500 pcs.   |                  |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.

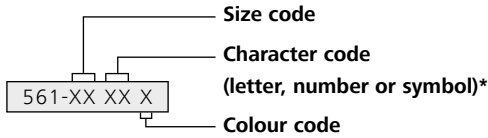




### Pre-printed Cable Markers

WIC, snap on

Use our coding system, to easily order the markers suitable for your use.



\* For the assortment and the symbols please use the code with three digits.

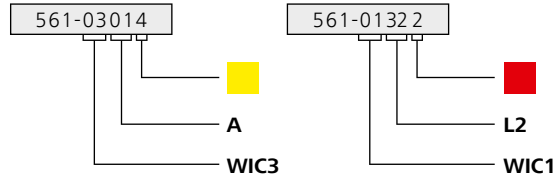


WIC – pre-printed wire and cable markers.

#### Step 1: Choose your size.

| SIZE | WIC0 | WIC1 | WIC2 | WIC3 |
|------|------|------|------|------|
|      |      |      |      |      |
| Code | 00   | 01   | 02   | 03   |

Example:



#### Step 2: Choose your letter, symbol, number or assortment.

| LETTER | A  | B  | C  | D  | E  | F  | G  | H  | I  | J  | K  |
|--------|----|----|----|----|----|----|----|----|----|----|----|
| Code   | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 |
| LETTER | L  | M  | N  | O  | P  | Q  | R  | S  | T  | U  | V  |
| Code   | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| LETTER | W  | X  | Y  | Z  |    |    |    |    |    |    |    |
| Code   | 23 | 24 | 25 | 26 |    |    |    |    |    |    |    |

| SYMBOL | L1 | L2 | L3 | PE  | +   | -  | /  | ↓  | .  |
|--------|----|----|----|-----|-----|----|----|----|----|
| Code   | 31 | 32 | 33 | 34  | 70  | 71 | 72 | 73 | 74 |
| SYMBOL |    |    |    |     |     |    |    |    |    |
| Code   | 75 | 76 | 77 | 000 | 001 |    |    |    |    |

| NUMBER | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|--------|----|----|----|----|----|----|----|----|----|----|
| Code   | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |

| ASSORTMENT | 0   | 1  | 2  | 3  | 4  | 5  | 6 | 7 | 8 | 9 |
|------------|-----|----|----|----|----|----|---|---|---|---|
| Code       | 100 |    |    |    |    |    |   |   |   |   |
| ASSORTMENT | A   | E  | L  | N  | R  | S  | T | + | - |   |
| Code       | 994 |    |    |    |    |    |   |   |   |   |
| ASSORTMENT | G   | H  | Y  | Z  | O  | Q  | J | K | X | L |
| Code       | 003 |    |    |    |    |    |   |   |   |   |
| ASSORTMENT | L1  | L1 | L2 | L2 | L3 | L3 | N | N | ↓ | ↓ |
| Code       | 300 |    |    |    |    |    |   |   |   |   |
| ASSORTMENT | L1  | L1 | L2 | L2 | L3 | L3 | N | N | ↓ | ↓ |
| Code       | 302 |    |    |    |    |    |   |   |   |   |

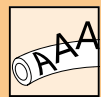
| ASSORTMENT | 0   | 1  | 2   | 3  | 4  | 5  | 6 | 7 | 8 | 9 |
|------------|-----|----|-----|----|----|----|---|---|---|---|
| Code       | 101 |    |     |    |    |    |   |   |   |   |
| ASSORTMENT | B   | C  | U   | V  | W  | P  | D | F | I | M |
| Code       | 002 |    |     |    |    |    |   |   |   |   |
| ASSORTMENT | .   | /  | --- | ↓  | +  | -  | ~ | = | * |   |
| Code       | 004 |    |     |    |    |    |   |   |   |   |
| ASSORTMENT | L1  | L1 | L2  | L2 | L3 | L3 | N | N | ↓ | ↓ |
| Code       | 301 |    |     |    |    |    |   |   |   |   |
| ASSORTMENT | L1  | L1 | L2  | L2 | L3 | L3 | N | N | ↓ | ↓ |
| Code       | 303 |    |     |    |    |    |   |   |   |   |

#### Step 3: Choose your colour.

| COLOUR |   |   |   |   |   |   |   |   |   |   |
|--------|---|---|---|---|---|---|---|---|---|---|
| Code   | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

Customized marking on request





### Pre-printed cable markers

#### WIC Tool and accessories

The WIC range of pre-printed cable markers easily snap onto cables and wires. The WIC tool ensures an easy application of the markers – simply insert the markers into the tool, slide down and press the markers onto the wire while twisting. Markers for fibre cables should be applied by hand.

All markers come with a locking mechanism to ensure perfect text alignment.

The two WICA accessories are ideal for marking cables of larger diameters (6 mm<sup>2</sup> - 95 mm<sup>2</sup>).

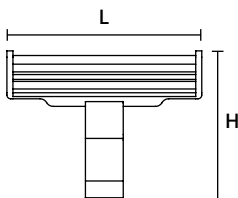
#### Features and benefits

- Fast and easy to use pre-printed nylon snap-on marker
- Ideal where termination is completed or for maintenance and repair
- Markers lock together to give perfect text alignment
- Vibration resistant markers, WIC markers lock onto wire and cable tightly
- WIC tool holds 20 WIC markers in all four sizes
- Gripping system locks markers onto wire and resists rotation
- Available in yellow, white and international resistor colour code
- Popular 2 digit markings such as L1, L2, L3, PE are available in yellow or colour code
- Dispenser colour denotes marker size: WIC0 (green), WIC1 (red), WIC2 (blue), WIC3 (yellow)
- Two accessories available to identify cables from 2.5 mm<sup>2</sup> to 95 mm<sup>2</sup> (WICA-AC10-25 and WICA-AC10-25 and WICA-ACT-BK)

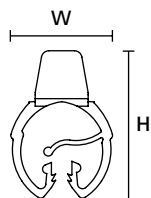


WIC cable markers and accessories.

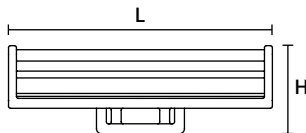
|                              |  |  |
|------------------------------|--|--|
| <b>MATERIAL</b>              | Polyamide 6.6, high impact modified, heat stabilised (PA66HIRHS) | Polyamide 6, glass-fibre reinforced (PA6GF15%) |
| <b>Operating Temperature</b> | -40 °C to +85 °C, (+105 °C, 500 h)                               | -40 °C to +85 °C                               |
| <b>Flammability</b>          | UL 94 HB   | UL 94 V0                                       |



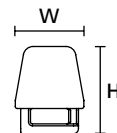
WICA-AC (front view)



WICA-AC (side view)



WICA-ACT (front view)

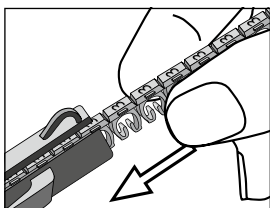


WICA-ACT (side view)

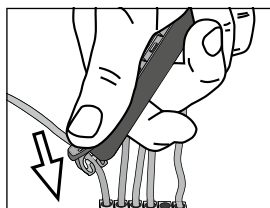
| TYPE         | Description                                | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Length (L) | Material  | Marker tiles per carrier | Pack Cont. | Article-No. |
|--------------|--|---------------|---------------|-----------|------------|------------|-----------|--------------------------|------------|-------------|
| WICA-AC10-25 | Snap-on accessory                          | 5.5           | 9.5           | 13.5      | 19.4       | 25.8       | PA66HIRHS | 8                        | 100 pcs.   | 561-06001   |
| WICA-ACT-BK  | WIC adapter set for fixing with cable ties | 3.0           | 38.0          | 7.0       | 8.9        | 26.7       | PA66HIRHS | 8                        | 100 pcs.   | 561-06000   |
| WIC Tool     | Applicator                                 | -             | -             | -         | -          | -          | PA6GF15   | -                        | 5 pcs.     | 561-00001   |

All dimensions in mm. Subject to technical changes.

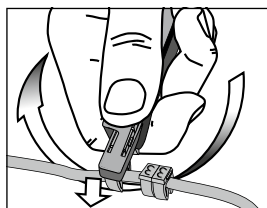
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Step 1



Step 2



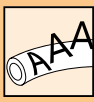
Step 3



Add items to your watchlist!

[www.HT.click/49-491](http://www.HT.click/49-491)





### Identification ties and plates for marking cable bundles

#### Arrowtag

The plates are suitable for applying to larger pipes and cables before or after termination has taken place.

They can be marked with Ovalgrip markers or manually using the T82 series of indelible markers pens.

#### Features and benefits

- Blank nylon arrowhead shape plate fixed with a cable tie
- Identify with a T82 pen or Ovalgrip markers
- AT1 for 7 size 50 Ovalgrip markers
- AT2 for 8 size 85 Ovalgrip markers
- AT3 for 14 size 85 Ovalgrip markers
- Custom printed plaques are available on request



A clearly better way of identifying cables and pipes.

|                              |                      |
|------------------------------|----------------------|
| <b>MATERIAL</b>              | Polyamide 6.6 (PA66) |
| <b>Operating Temperature</b> | -40 °C to +85 °C     |
| <b>Flammability</b>          | UL 94 V2             |



AT1



AT2



AT3, AT4

| TYPE | Length (L) | Width (W) | Strap Width max. (G) | Pack Cont. | Colour       | Article-No. |
|------|------------|-----------|----------------------|------------|--------------|-------------|
| AT1  | 62.5       | 4.7       | 7.4                  | 100 pcs.   | Black (BK)   | 151-41110   |
|      | 62.5       | 4.7       | 7.4                  | 100 pcs.   | Natural (NA) | 151-41119   |
| AT2  | 63.0       | 9.0       | 6.4                  | 100 pcs.   | Black (BK)   | 151-41210   |
|      | 63.0       | 9.0       | 6.4                  | 100 pcs.   | Natural (NA) | 151-41219   |
| AT3  | 100.0      | 9.0       | 6.4                  | 100 pcs.   | Black (BK)   | 151-41310   |
|      | 100.0      | 9.0       | 6.4                  | 100 pcs.   | Natural (NA) | 151-41319   |
| AT4  | 125.0      | 9.0       | 6.4                  | 100 pcs.   | Natural (NA) | 151-41419   |
|      | 125.0      | 9.0       | 6.4                  | 100 pcs.   | Black (BK)   | 151-41410   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

| TYPE    | Description          | Pack Cont. | Colour     | Article-No. |
|---------|----------------------|------------|------------|-------------|
| T82S-BK | Indelible Marker Pen | 2 pcs.     | Black (BK) | 500-50820   |
| T82R-RD | Indelible Marker Pen | 2 pcs.     | Red (RD)   | 500-50822   |

Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.





### Identification tags for marking cable bundles

#### Q-tags

Q-tags are used to identify a cable or a cable bundle and are secured with a Q-tie. The Q-tag's flag design allows the user to quickly read or scan the printed information.

#### Features and benefits

- Identify cable or cable bundle
- Quickly read or scan printed information
- Mark by hand with T82 series marker pen or use printed adhesive label
- HellermannTyton offers complete printing solution (printers, labels, ribbons)
- Perfect combination with Q-ties to safely secure and mark cables with highly visible text



The flagged orientation of Q-tags ensures that printed texts are easily visible.



[www.HellermannTyton.co.uk/QTags-cat22](http://www.HellermannTyton.co.uk/QTags-cat22)

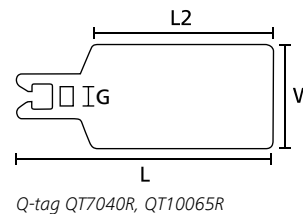
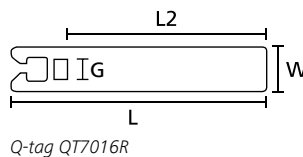
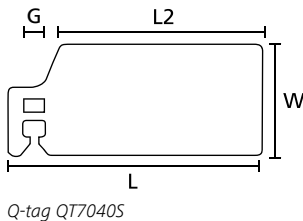
|                              |                      |
|------------------------------|----------------------|
| <b>MATERIAL</b>              | Polyamide 6.6 (PA66) |
| <b>Operating Temperature</b> | -40 °C to +85 °C     |
| <b>Flammability</b>          | UL 94 V2             |



Please find more Q-Series products for your system solution on page 54, 165, 170.



Please find the corresponding labels on page 497.



| TYPE     | Drawing | Length (L) | Length (L2) | Width (W) | Strap Width max. (G) | Pack Cont. | Colour     | Recommended Labels | Article-No. |
|----------|---------|------------|-------------|-----------|----------------------|------------|------------|--------------------|-------------|
| QT10065R |         | 135.0      | 100.0       | 67.0      | 4.7                  | 25 pcs.    | White (WH) | TAG102-64TD1       | 151-10953   |
| QT7016R  |         | 100.0      | 70.0        | 18.0      | 4.7                  | 50 pcs.    | White (WH) | TAG68-16TD1        | 151-10950   |
| QT7040R  |         | 100.0      | 70.0        | 42.0      | 4.7                  | 50 pcs.    | White (WH) | TAG63TD1           | 151-10951   |
| QT7040S  |         | 88.0       | 70.0        | 42.0      | 3.6                  | 50 pcs.    | White (WH) | TAG63TD1           | 151-10952   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

| TYPE    | Description          | Pack Cont. | Colour     | Article-No. |
|---------|----------------------|------------|------------|-------------|
| T82S-BK | Indelible Marker Pen | 2 pcs.     | Black (BK) | 500-50820   |
| T82R-RD | Indelible Marker Pen | 2 pcs.     | Red (RD)   | 500-50822   |

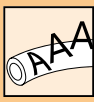
Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



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[www.HT.click/49-493](http://www.HT.click/49-493)





### Identification ties and plates for marking cable bundles

#### IMP Plates

The IMP and IT range of marker plates are suitable for applying to large cable bundles before or after termination has taken place. The marker plates can also be riveted if required.

They are secured with cable ties of any length with a maximum width of 4.8 mm.

They can be written on by hand using either a black or red T82 indelible marker pen.

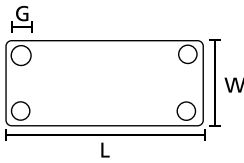
#### Features and benefits

- IT and IMP plates for identifying large cable bundles or flat surfaces
- Mark IT and IMP plates with printable labels or T82 pens
- Fix with cable ties or rivets
- Custom printed plaques are available on request



Unlimited cable bundle diameters can be securely identified.

|                              |                                    |
|------------------------------|------------------------------------|
| <b>MATERIAL</b>              | Polyamide 6.6 (PA66)               |
| <b>Operating Temperature</b> | -40 °C to +85 °C, (+105 °C, 500 h) |
| <b>Flammability</b>          | UL 94 V2                           |



IT1, IMP



Please find the corresponding labels on page 497.

| TYPE        | Length (L) | Width (W) | Strap Width max. (G) | Pack Cont. | Colour       | Recommended Labels | Article-No. |
|-------------|------------|-----------|----------------------|------------|--------------|--------------------|-------------|
| IMP1.5      | 38.1       | 19.1      | 4.8                  | 100 pcs.   | White (WH)   | TAG18-16TD1        | 151-42159   |
| IT1         | 44.0       | 19.0      | 4.8                  | 100 pcs.   | Natural (NA) | TAG28-16TD1        | 151-42119   |
| IMP2        | 50.8       | 19.3      | 4.8                  | 100 pcs.   | White (WH)   | TAG28-16TD1        | 151-42229   |
| IMP2.5      | 63.5       | 19.3      | 4.8                  | 100 pcs.   | White (WH)   | TAG43-16TD1        | 151-42259   |
| IMP2.5W1.75 | 63.5       | 44.7      | 4.8                  | 100 pcs.   | White (WH)   | TAG43-41TD1        | 151-42269   |
| IMP3.5      | 88.9       | 19.3      | 4.8                  | 100 pcs.   | White (WH)   | TAG68-16TD1        | 151-42359   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

| TYPE    | Description          | Pack Cont. | Colour     | Article-No. |
|---------|----------------------|------------|------------|-------------|
| T82S-BK | Indelible Marker Pen | 2 pcs.     | Black (BK) | 500-50820   |
| T82R-RD | Indelible Marker Pen | 2 pcs.     | Red (RD)   | 500-50822   |

Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.





### Identification ties and plates for marking cable bundles

#### IT Ties

One of the major benefits is the ability to both secure and identify cable bundles at different times.

#### Features and benefits

- Identification ties made of Polyamide 6.6
- For simple identification and securing of cable bundles in one step
- Printable labels are available for a professional finish
- Manual or temporary marking is possible with an indelible pen (T82S-BK / T82R-RD)



One operation with two benefits.

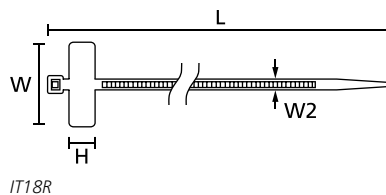
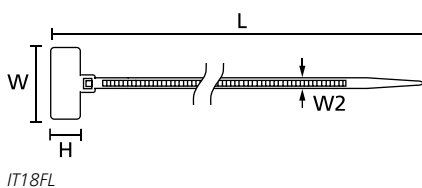
|                              |                      |
|------------------------------|----------------------|
| <b>MATERIAL</b>              | Polyamide 6.6 (PA66) |
| <b>Operating Temperature</b> | -40 °C to +85 °C     |
| <b>Flammability</b>          | UL 94 V2             |




Please find the corresponding labels on page 497.

HF ✓

RoHS ✓



| TYPE   | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Length (L) | Width (W2) |  | Recommended Labels | Pack Cont. | Colour       | Article-No. |
|--------|---------------|---------------|-----------|------------|------------|------------|---|--------------------|------------|--------------|-------------|
| IT18FL | 1.5           | 19.0          | 20.5      | 9.0        | 110.0      | 2.5        | 80  | TAG18-07TD1        | 100 pcs.   | Natural (NA) | 111-81919   |
|        | 1.5           | 19.0          | 20.5      | 9.0        | 110.0      | 2.5        | 80  | TAG18-07TD1        | 100 pcs.   | Black (BK)   | 111-81910   |
| IT18R  | 6.0           | 22.0          | 25.0      | 8.0        | 100.0      | 2.5        | 80  | TAG23-06TD1        | 1,000 pcs. | Black (BK)   | 111-81860   |
|        | 6.0           | 22.0          | 25.0      | 8.0        | 100.0      | 2.5        | 80  | TAG23-06TD1        | 100 pcs.   | Natural (NA) | 111-81821   |

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.

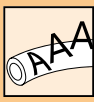
 = Minimum Loop Tensile Strength for Cable Ties (newton)



For product specific approvals and specifications please refer to the Appendix.

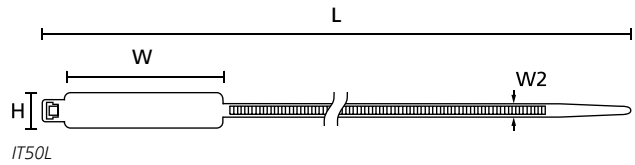
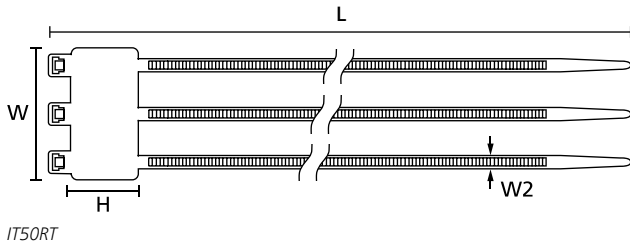
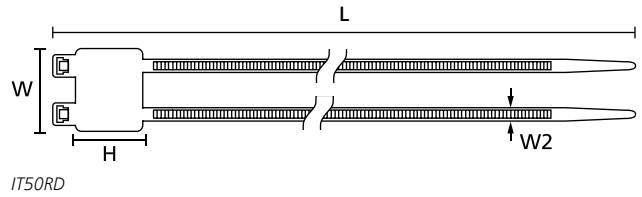
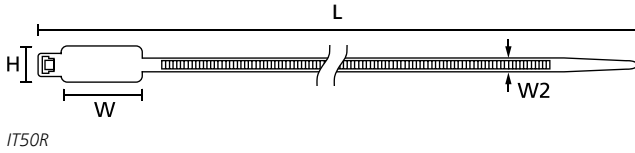



Add items to your watchlist!  
[www.HT.click/49-495](http://www.HT.click/49-495)



### Identification ties and plates for marking cable bundles

#### IT Ties



| TYPE   | Bundle Ø min. | Bundle Ø max. | Width (W) | Height (H) | Length (L) | Width (W2) |  | Recommended Labels | Pack Cont. | Colour       | Article-No. |
|--------|---------------|---------------|-----------|------------|------------|------------|---|--------------------|------------|--------------|-------------|
| IT50R  | 9.5           | 44.5          | 28.0      | 12.9       | 203.2      | 4.6        | 225   | TAG23-10TD1        | 100 pcs.   | Natural (NA) | 111-85019   |
| IT50RD | 10.0          | 44.0          | 29.0      | 26.3       | 203.2      | 4.7        | 225   | TAG26-21TD1        | 50 pcs.    | Natural (NA) | 111-85219   |
| IT50RT | 10.0          | 44.0          | 46.0      | 26.3       | 203.2      | 4.7        | 225   | TAG43-21TD1        | 50 pcs.    | Natural (NA) | 111-85119   |
| IT50L  | 19.0          | 100.0         | 56.0      | 12.8       | 390.0      | 4.7        | 225   | TAG52-10TD1        | 100 pcs.   | Natural (NA) | 111-85319   |

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.

 = Minimum Loop Tensile Strength for Cable Ties (newton)

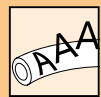
| TYPE    | Description          | Pack Cont. | Colour     | Article-No. |
|---------|----------------------|------------|------------|-------------|
| T82S-BK | Indelible Marker Pen | 2 pcs.     | Black (BK) | 500-50820   |
| T82R-RD | Indelible Marker Pen | 2 pcs.     | Red (RD)   | 500-50822   |

Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.





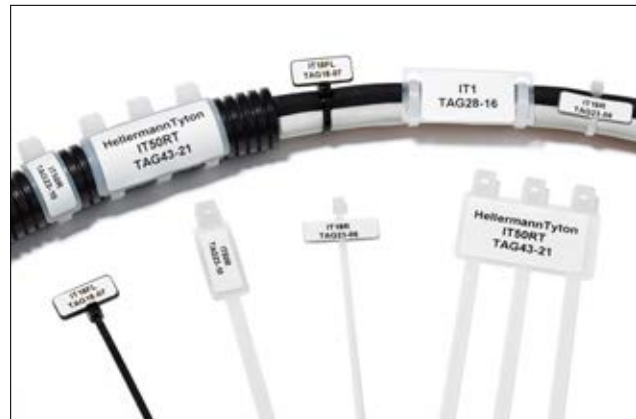
### Labels for IT ties, IMP plates and Q-tags, thermal transfer

#### Helatag 892

These labels are specially tailored to the sizes used in the IT marking tie and IMP/IT as well as Q-tag range. The flexible material sticks to the marking tie or tag, even on rounded surfaces. Print with HellermannTyton's premium range of thermal transfer printers and ribbons for optimum print results. Using unique numbering, graphics or barcodes the labels give excellent asset identification possibilities. This solution produces professional marking of tubes, pipes, cables and other parts.

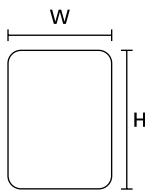
#### Features and benefits

- Suited to the slightly rough surfaces of Q-tags, IT ties and IMP/IT plates
- Adheres to rounded surfaces
- Rounded corners ensure better long term durability of adhesion
- White labels give excellent contrast



Identification ties and tags.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 892, Vinyl, white (892)                           |
| <b>Operating Temperature</b>     | -40 °C to +80 °C                                       |
| <b>Curing Temperature</b>        | from 0 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 83 µm  |
| <b>Chem. Material Properties</b> | Good resistance against water, oils and most solvents. |
| <b>Recommended Ribbon Type</b>   | TT822OUT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030  |



| TYPE                | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | For Size         | Pack Cont. | Colour     | Article-No. |
|---------------------|-----------|------------|---------------------|----------------|------------------|------------|------------|-------------|
| TAG18-07TD1-892-WH  | 18.0      | 7.0        | 24.0                | 1 pc.          | IT18FL           | 5,000 pcs. | White (WH) | 596-12253   |
| TAG18-16TD1-892-WH  | 18.0      | 16.0       | 24.0                | 1 pc.          | IMP1.5           | 2,500 pcs. | White (WH) | 596-12254   |
| TAG23-06TD1-892-WH  | 23.0      | 6.0        | 30.0                | 1 pc.          | IT18R            | 5,000 pcs. | White (WH) | 596-12255   |
| TAG23-10TD1-892-WH  | 23.0      | 10.0       | 30.0                | 1 pc.          | IT50R            | 5,000 pcs. | White (WH) | 596-12256   |
| TAG26-21TD2-892-WH  | 26.0      | 21.0       | 57.0                | 2 pcs.         | IT50RD           | 2,500 pcs. | White (WH) | 596-12257   |
| TAG28-16TD1-892-WH  | 28.0      | 16.0       | 34.0                | 1 pc.          | IT1, IMP2        | 2,500 pcs. | White (WH) | 596-12258   |
| TAG43-16TD1-892-WH  | 43.0      | 16.0       | 50.0                | 1 pc.          | IMP2.5           | 2,500 pcs. | White (WH) | 596-12259   |
| TAG43-21TD1-892-WH  | 43.0      | 21.0       | 50.0                | 1 pc.          | IT50RT           | 2,500 pcs. | White (WH) | 596-12260   |
| TAG43-41TD1-892-WH  | 43.0      | 41.0       | 50.0                | 1 pc.          | IMP2.5W1.75      | 1,000 pcs. | White (WH) | 596-12261   |
| TAG52-10TD1-892-WH  | 52.0      | 10.0       | 58.0                | 1 pc.          | IT50L            | 5,000 pcs. | White (WH) | 596-12262   |
| TAG63TD1-892-WH     | 63.5      | 38.1       | 70.0                | 1 pc.          | QT7040R, QT7040S | 1,000 pcs. | White (WH) | 596-12263   |
| TAG68-16TD1-892-WH  | 68.0      | 16.0       | 74.0                | 1 pc.          | IMP3.5, QT7016R  | 2,500 pcs. | White (WH) | 596-12264   |
| TAG102-64TD1-892-WH | 102.0     | 64.0       | 106.0               | 1 pc.          | QT10065R         | 250 pcs.   | White (WH) | 596-12265   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

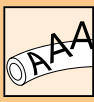


Add items to your watchlist!

[www.HT.click/49-497](http://www.HT.click/49-497)







### Carrier marking system, laser printer

#### Helafix HC and HCR Carriers

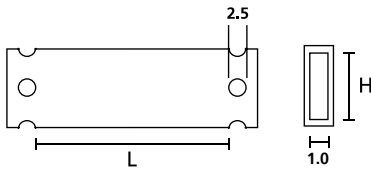
Marking of cable looms, cables, pipes, transport systems, valves, sensors, for inventory marking on machines or other parts.

#### Features and benefits

- Versatile transparent carriers for HFX labels used for temporary or permanent marking
- Fixed in place using T18 series cable ties, screws or rivets (carrier HCR06, no rivet hole)
- Protects inserted HFX label against damp, dirt, damage and UV radiation
- Helafix HC supplied as cut lengths in bags, pre-cut and pre-punched rivet hole (carrier HCR06 has no punched hole)
- Helafix HCR supplied in continuous tube format and can be cut to size with HCT tool
- Helafix HFX labels designed to fit into HC and HCR carriers



Multi-purpose identification potential: Helafix HC and HCR.



|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Polyethylene, UV Resistant (PEUV)                        |
| <b>Operating Temperature</b>     | -60 °C to +65 °C   |
| <b>Flammability</b>              | UL 94 HB   |
| <b>Chem. Material Properties</b> | Resistance to UV light, water and a variety of solvents. |



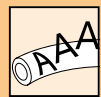
| TYPE    | Length (L) | Height (H) | Reel Length | Pack Cont. | Recommended Labels | Tools | Article-No. |
|---------|------------|------------|-------------|------------|--------------------|-------|-------------|
| HCR06   | -          | 7.0        | 25 m        | 25 m       | -                  | -     | 525-07003   |
| HCR09   | -          | 10.0       | 25 m        | 25 m       | HFX9               | 50    | 525-10003   |
| HCR12   | -          | 13.0       | 25 m        | 25 m       | HFX12              | 51    | 525-13003   |
| HCR18   | -          | 19.0       | 25 m        | 25 m       | -                  | -     | 525-19003   |
| HCR24   | -          | 25.0       | 25 m        | 25 m       | -                  | -     | 525-25003   |
| HC06-17 | 17.5       | 7.0        | -           | 50 pcs.    | -                  | -     | 525-07173   |
| HC09-17 | 17.5       | 10.0       | -           | 50 pcs.    | HFX9-17P           | -     | 525-10173   |
| HC12-17 | 17.5       | 13.0       | -           | 50 pcs.    | -                  | -     | 525-13173   |
| HC06-35 | 35.0       | 7.0        | -           | 50 pcs.    | -                  | -     | 525-07353   |
| HC09-35 | 35.0       | 10.0       | -           | 50 pcs.    | HFX9-35P           | -     | 525-10353   |
| HC12-35 | 35.0       | 13.0       | -           | 50 pcs.    | HFX12-35P          | -     | 525-13353   |
| HC18-35 | 35.0       | 19.0       | -           | 50 pcs.    | -                  | -     | 525-19353   |
| HC09-52 | 52.0       | 10.0       | -           | 50 pcs.    | HFX9-52P           | -     | 525-10523   |
| HC12-52 | 52.0       | 13.0       | -           | 50 pcs.    | HFX12-52P          | -     | 525-13523   |
| HC18-52 | 52.0       | 19.0       | -           | 50 pcs.    | -                  | -     | 525-19523   |
| HC24-52 | 52.0       | 25.0       | -           | 50 pcs.    | -                  | -     | 525-25523   |
| HC12-70 | 70.0       | 13.0       | -           | 50 pcs.    | -                  | -     | 525-13703   |
| HC18-70 | 70.0       | 19.0       | -           | 50 pcs.    | -                  | -     | 525-19703   |
| HC24-70 | 70.0       | 25.0       | -           | 50 pcs.    | -                  | -     | 525-25703   |

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

| Recommended Tools |      |      |
|-------------------|------|------|
|                   | 50   | 51   |
|                   | HCT1 | HCT2 |
|                   | 571  | 571  |

For more information on toolings please refer to the Application Tooling chapter.





### Carrier marking system, laser printer

#### Helafix HFX Labels

Use marking pen T82 or print the labels with laser printer. For indoor use in bundle applications in machines, panel building or wherever flexible self marked marking is needed.

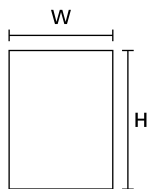
#### Features and benefits

- Laser printable non-adhesive labels for Helafix carrier strip (HC and HCR) range
- Every sheet in two colours (front yellow, back white)
- A4 format
- Simple and efficient label design and printing with TagPrint Pro software
- Mark manually with T82 series indelible markers pens
- Templates available from [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates) for those wishing to use MS Word



A precise match for Helafix, for permanent identification coding.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Polyester (SP)   |
| <b>Operating Temperature</b>     | -70 °C to +125 °C  |
| <b>Chem. Material Properties</b> | Resistance to a variety of solvents. Good UV light resistance. |



| TYPE       | Width (W) | Height (H) | Labels per Sheet | Sheets per Pack | Colour                  | Article-No. |
|------------|-----------|------------|------------------|-----------------|-------------------------|-------------|
| HFX9-17P   | 17.5      | 9.0        | 319 pcs.         | 20 pcs.         | Yellow (YE), White (WH) | 526-01014   |
| HFX9-35P   | 35.0      | 9.0        | 145 pcs.         | 20 pcs.         | Yellow (YE), White (WH) | 526-01514   |
| HFX12-35P  | 35.0      | 12.0       | 110 pcs.         | 20 pcs.         | Yellow (YE), White (WH) | 526-01714   |
| HFX9-52P   | 52.5      | 9.0        | 124 pcs.         | 20 pcs.         | Yellow (YE), White (WH) | 526-02014   |
| HFX12-52P  | 52.5      | 12.0       | 92 pcs.          | 20 pcs.         | Yellow (YE), White (WH) | 526-02214   |
| HFX12-105P | 105.0     | 12.0       | 44 pcs.          | 20 pcs.         | Yellow (YE), White (WH) | 526-02514   |
| HFX24-105P | 105.0     | 24.0       | 22 pcs.          | 20 pcs.         | Yellow (YE), White (WH) | 526-03014   |
| HFX12-210P | 210.0     | 12.0       | 22 pcs.          | 20 pcs.         | Yellow (YE), White (WH) | 526-05014   |
| HFX24-210P | 210.0     | 24.0       | 11 pcs.          | 20 pcs.         | Yellow (YE), White (WH) | 526-05514   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

| TYPE    | Description          | Pack Cont. | Colour     | Article-No. |
|---------|----------------------|------------|------------|-------------|
| T82S-BK | Indelible Marker Pen | 2 pcs.     | Black (BK) | 500-50820   |
| T82R-RD | Indelible Marker Pen | 2 pcs.     | Red (RD)   | 500-50822   |

Subject to technical changes.

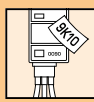
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Add items to your watchlist!

[www.HT.click/49-499](http://www.HT.click/49-499)





### Labels for control panel identification, thermal transfer

**Helatag 880, removable**

**Helatag 1211**

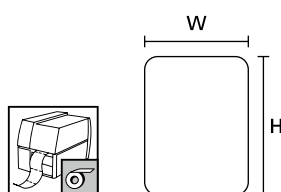
These labels are suitable for the permanent identification of components and preassembled units within electrical industry as well as asset identification. Print with HellermannTyton's premium range of thermal transfer printers and ribbons for optimum print results. They can also be used in the design and setup as well as in the repair and expansion of control cabinets and control units. Due to the structure of the vinyl label they are suitable for rougher surfaces.

#### Features and benefits

- Suited to labelling electrical panels
- Where high label visibility is required
- Partially suitable for critical surfaces
- Rounded corners ensure better long term durability of adhesion



Switchgear application.



|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 880, Vinyl (880)                            |
| <b>Operating Temperature</b>     | -40 °C to +80 °C                                 |
| <b>Curing Temperature</b>        | from +10 °C                                      |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 80 µm  |
| <b>Chem. Material Properties</b> | Good resistance to water, oil and most solvents. |
| <b>Recommended Ribbon Type</b>   | TT822OUT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030                                    |

RoHS

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1211, Vinyl, yellow gloss (1211)   |
| <b>Operating Temperature</b>     | -20 °C to +80 °C  |
| <b>Curing Temperature</b>        | from +5 °C  |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 84 µm   |
| <b>Chem. Material Properties</b> | Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis. |
| <b>Recommended Ribbon Type</b>   | TT822OUT  |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030   |

RoHS

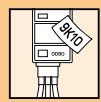
| TYPE              | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour             | Article-No. |
|-------------------|-----------|------------|---------------------|----------------|-------------|--------------------|-------------|
| TAG15-09TE-880-YE | 15.0      | 9.0        | 89.0                | 5 pcs.         | 10,000 pcs. | Yellow matt (MTYE) | 596-12174   |
| TAG16-06TE-880-YE | 16.5      | 6.0        | 101.6               | 5 pcs.         | 20,000 pcs. | Yellow matt (MTYE) | 596-12172   |
| TAG19-11TE-880-YE | 19.0      | 11.0       | 89.0                | 4 pcs.         | 10,000 pcs. | Yellow matt (MTYE) | 596-12175   |
| TAG20-08TE-880-YE | 20.0      | 8.0        | 101.6               | 4 pcs.         | 10,000 pcs. | Yellow matt (MTYE) | 596-12173   |
| TAG38-11TE-880-YE | 38.0      | 11.0       | 85.1                | 2 pcs.         | 5,000 pcs.  | Yellow matt (MTYE) | 596-12176   |
| TAG56-22TE-880-YE | 56.0      | 22.0       | 62.0                | 1 pc.          | 2,000 pcs.  | Yellow matt (MTYE) | 596-12177   |

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

| TYPE               | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour              | Article-No. |
|--------------------|-----------|------------|---------------------|----------------|-------------|---------------------|-------------|
| TAG15-09TE-1211-YE | 15.0      | 9.0        | 89.0                | 5 pcs.         | 10,000 pcs. | Yellow gloss (GSYE) | 596-21211   |
| TAG16-06TE-1211-YE | 16.5      | 6.0        | 101.6               | 5 pcs.         | 20,000 pcs. | Yellow gloss (GSYE) | 596-01211   |
| TAG20-08TE-1211-YE | 20.0      | 8.0        | 101.6               | 4 pcs.         | 10,000 pcs. | Yellow gloss (GSYE) | 596-11211   |
| TAG38-11TE-1211-YE | 38.0      | 11.0       | 85.1                | 2 pcs.         | 5,000 pcs.  | Yellow gloss (GSYE) | 596-41211   |
| TAG56-22TE-1211-YE | 56.0      | 22.0       | 62.0                | 1 pc.          | 2,000 pcs.  | Yellow gloss (GSYE) | 596-51211   |

All dimensions in mm. Subject to technical changes. Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.





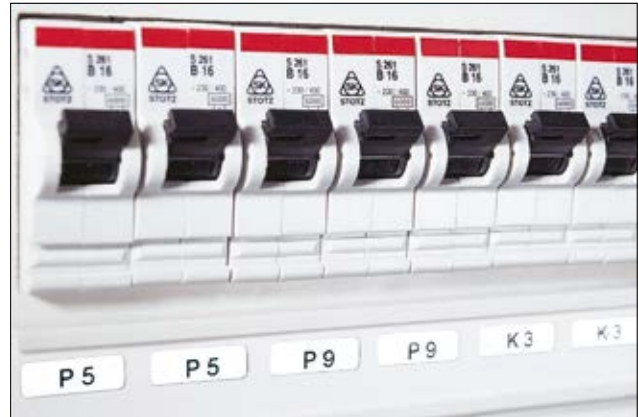
### Labels for control panel identification, thermal transfer

#### Helatag 1216 (White) for rough surfaces

These labels are suitable for the permanent identification of components and preassembled units within electrical industry as well as asset identification. Print with HellermannTyton's premium range of thermal transfer printers and ribbons for optimum print results. They can also be used in the design and setup as well as in the repair and expansion of control cabinets and control units.

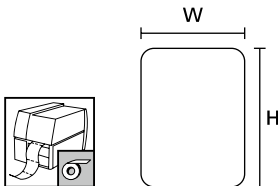
#### Features and benefits

- Suited to labelling electrical panels
- White labels give excellent contrast
- Also suitable for critical surfaces
- Rounded corners ensure better long term durability of adhesion



Clear and permanent identification.

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1216, Polyethylene, white (1216)   |
| <b>Operating Temperature</b>     | -30 °C to +80 °C  |
| <b>Curing Temperature</b>        | from 0 °C   |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 105 µm  |
| <b>Chem. Material Properties</b> | Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis. |
| <b>Recommended Ribbon Type</b>   | TT822OUT  |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030   |



| TYPE               | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour     | Article-No. |
|--------------------|-----------|------------|---------------------|----------------|-------------|------------|-------------|
| TAG05-08TC-1216-WH | 5.0       | 8.0        | 85.0                | 16 pcs.        | 25,000 pcs. | White (WH) | 596-12147   |
| TAG05-15TC-1216-WH | 5.0       | 15.0       | 85.0                | 16 pcs.        | 25,000 pcs. | White (WH) | 596-12151   |
| TAG06-10TC-1216-WH | 6.0       | 10.0       | 85.0                | 13 pcs.        | 25,000 pcs. | White (WH) | 596-12149   |
| TAG08-15TC-1216-WH | 8.0       | 15.0       | 85.0                | 10 pcs.        | 25,000 pcs. | White (WH) | 596-12152   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Add items to your watchlist!

[www.HT.click/49-501](http://www.HT.click/49-501)





### Labels for control panel identification, laser printer

#### Helatag 1102 (Yellow)

These yellow labels come in various sizes and are ideal for marking flat surfaces inside control panels to ensure easy wire and cable management. The labels can be easily printed with office laser printers. All label templates are already stored in HellermannTyton's TagPrint Pro software so label design including barcodes or logos has been made easy even with office printers.

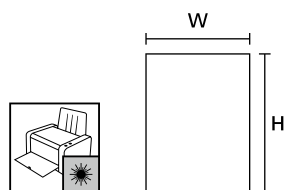
#### Features and benefits

- Yellow rating labels for component marking and control cabinets
- For use on flat and smooth surfaces
- Crisp and clear text, barcodes and graphics
- Simple and efficient label design and printing with TagPrint Pro labelling software
- Templates available from [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates) for those wishing to use MS Word
- Clear protective box to ensure labels stay as good as new



Clearly identified labels ensure easy network wire and cable management.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1102, Polyester, yellow (1102)  |
| <b>Operating Temperature</b>     | -40 °C to +150 °C  |
| <b>Curing Temperature</b>        | from 0 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 55 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance against water, alcohol, most oils, lubricants, fuels, aliphatic solvents, weak acid, salts, alkalis and UV light. |



| TYPE              | Width (W) | Height (H) | Labels per Sheet | Sheets per Pack | Pack Cont.  | Colour      | Article-No. |
|-------------------|-----------|------------|------------------|-----------------|-------------|-------------|-------------|
| TAG122LA4-1102-YE | 15.0      | 9.0        | 372 pcs.         | 27 pcs.         | 10,000 pcs. | Yellow (YE) | 594-21102   |
| TAG120LA4-1102-YE | 15.2      | 6.4        | 528 pcs.         | 19 pcs.         | 10,000 pcs. | Yellow (YE) | 594-01102   |
| TAG154LA4-1102-YE | 17.0      | 9.0        | 341 pcs.         | 30 pcs.         | 10,000 pcs. | Yellow (YE) | 594-51102   |
| TAG124LA4-1102-YE | 19.0      | 11.0       | 260 pcs.         | 20 pcs.         | 5,000 pcs.  | Yellow (YE) | 594-41102   |
| TAG13LA4-1102-YE  | 19.1      | 6.4        | 440 pcs.         | 23 pcs.         | 10,000 pcs. | Yellow (YE) | 594-31102   |
| TAG121LA4-1102-YE | 20.0      | 8.0        | 315 pcs.         | 32 pcs.         | 10,000 pcs. | Yellow (YE) | 594-11102   |
| TAG62LA4-1102-YE  | 31.8      | 9.5        | 180 pcs.         | 28 pcs.         | 5,000 pcs.  | Yellow (YE) | 594-81102   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.





### Labels for control panel identification, laser printer

#### Helatag 1101 (White)

These white labels come in various sizes and are ideal for marking flat surfaces inside control panels to ensure easy wire and cable management. The labels can be easily printed with office laser printers. All label templates are already stored in HellermannTyton's TagPrint Pro software so label design including barcodes or logos has been made easy even with office printers.

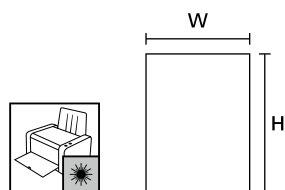
#### Features and benefits

- White rating labels for component marking as well as for control cabinets
- For use on flat and smooth surfaces
- Crisp and clear text, barcodes and graphics
- Simple and efficient label design and printing with TagPrint Pro labelling software
- Templates available from [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates) for those wishing to use MS Word
- Clear protective box to ensure labels stay as good as new



Clearly identified labels ensure easy network wire and cable management.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1101, Polyester, white (1101)   |
| <b>Operating Temperature</b>     | -40 °C to +150 °C  |
| <b>Curing Temperature</b>        | from 0 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 55 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance against water, alcohol, most oils, lubricants, fuels, aliphatic solvents, weak acid, salts, alkalis and UV light. |



| TYPE              | Width (W) | Height (H) | Labels per Sheet | Sheets per Pack | Pack Cont.  | Colour     | Article-No. |
|-------------------|-----------|------------|------------------|-----------------|-------------|------------|-------------|
| TAG156LA4-1101-WH | 10.2      | 10.2       | 532 pcs.         | 19 pcs.         | 10,000 pcs. | White (WH) | 594-81101   |
| TAG122LA4-1101-WH | 15.0      | 9.0        | 372 pcs.         | 27 pcs.         | 10,000 pcs. | White (WH) | 594-31101   |
| TAG120LA4-1101-WH | 15.2      | 6.4        | 528 pcs.         | 19 pcs.         | 10,000 pcs. | White (WH) | 594-11101   |
| TAG111LA4-1101-WH | 16.5      | 5.1        | 605 pcs.         | 17 pcs.         | 10,000 pcs. | White (WH) | 594-01101   |
| TAG154LA4-1101-WH | 17.0      | 9.0        | 341 pcs.         | 30 pcs.         | 10,000 pcs. | White (WH) | 594-61101   |
| TAG124LA4-1101-WH | 19.0      | 11.0       | 260 pcs.         | 20 pcs.         | 5,000 pcs.  | White (WH) | 594-11017   |
| TAG131LA4-1101-WH | 19.1      | 6.4        | 440 pcs.         | 23 pcs.         | 10,000 pcs. | White (WH) | 594-41101   |
| TAG121LA4-1101-WH | 20.0      | 8.0        | 315 pcs.         | 32 pcs.         | 10,000 pcs. | White (WH) | 594-21101   |
| TAG155LA4-1101-WH | 25.4      | 8.5        | 231 pcs.         | 22 pcs.         | 5,000 pcs.  | White (WH) | 594-71101   |
| TAG151LA4-1101-WH | 25.4      | 12.7       | 154 pcs.         | 33 pcs.         | 5,000 pcs.  | White (WH) | 594-91101   |
| TAG162LA4-1101-WH | 38.1      | 12.7       | 110 pcs.         | 23 pcs.         | 2,500 pcs.  | White (WH) | 594-11010   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.

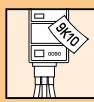


Add items to your watchlist!

[www.HT.click/49-503](http://www.HT.click/49-503)







### Cotton cloth labels, manual marking

#### HELASIGN, Material 270 (Yellow), Booklet

These handwritten labels are made of yellow fabric and have been designed for fast on-site identification of component parts, switching devices and other operating equipment. The synthetic rubber adhesive allows the easy removal or repositioning of the label when needed. For professional handwriting we recommend the marking pen T82, equipped with a fast-drying and UV-resistant ink.

#### Features and benefits

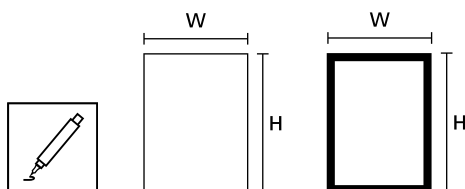
- Yellow fabric adhesive labels
- Supplied in handy pocket-sized booklets
- Booklet cover protects labels when stored
- Easily remove or reposition labels as required
- No sticky residue on removal
- Labels available with or without black border
- Also suitable for difficult surfaces
- Use T82 marker pen for market leading mark endurance



Always on hand: Labels in a convenient, pocket sized and lightweight booklet.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 270, Cotton cloth, yellow (270)                                     |
| <b>Operating Temperature</b>     | -29 °C to +80 °C   |
| <b>Curing Temperature</b>        | from +10 °C  |
| <b>Adhesive</b>                  | Synthetic rubber   |
| <b>Thickness of Foil</b>         | 150 µm   |
| <b>Chem. Material Properties</b> | Good resistance to water, oils and most solvents, alcohols and gasoline. |

RoHS



| TYPE            | Drawing | Width (W) | Height (H) | Labels per Sheet | Pack Cont. | Colour      | Article-No. |
|-----------------|---------|-----------|------------|------------------|------------|-------------|-------------|
| TAG120B-270-YE  |         | 15.0      | 6.0        | 105 pcs.         | 1,050 pcs. | Yellow (YE) | 598-12027   |
| TAG122B-270-YE  |         | 15.0      | 9.0        | 70 pcs.          | 700 pcs.   | Yellow (YE) | 598-12227   |
| TAG124B-270-YE  |         | 19.0      | 11.0       | 44 pcs.          | 440 pcs.   | Yellow (YE) | 598-12427   |
| TAG121B-270-YE  |         | 20.0      | 8.0        | 60 pcs.          | 600 pcs.   | Yellow (YE) | 598-12127   |
| TAG122FB-270-YE |         | 15.0      | 9.0        | 70 pcs.          | 700 pcs.   | Yellow (YE) | 598-92227   |
| TAG124FB-270-YE |         | 19.0      | 11.0       | 44 pcs.          | 440 pcs.   | Yellow (YE) | 598-92427   |
| TAG121FB-270-YE |         | 20.0      | 8.0        | 60 pcs.          | 600 pcs.   | Yellow (YE) | 598-92127   |
| TAG125FB-270-YE |         | 38.0      | 11.0       | 22 pcs.          | 220 pcs.   | Yellow (YE) | 598-92527   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

| TYPE    | Description          | Pack Cont. | Colour     | Article-No. |
|---------|----------------------|------------|------------|-------------|
| T82S-BK | Indelible Marker Pen | 2 pcs.     | Black (BK) | 500-50820   |
| T82R-RD | Indelible Marker Pen | 2 pcs.     | Red (RD)   | 500-50822   |

Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.







### Panel plate labels, thermal transfer

#### Helatag 1220 (White)

Panel labels are durable adhesive labels especially made from a thick material that is designed to replace traditional engraved plastic plates. The white glossy colour is suited to industrial control panels, switchgear, data racks and general equipment labelling. Create crisp and clear professional looking labels by printing with HellermannTyton thermal transfer printers and ribbons.

Simple label design creation is easily achieved using TagPrint Pro.

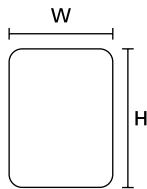
#### Features and benefits

- Cost-effective replacement for engraved plastic plates, no need for additional label holder
- High performance adhesive and compressible foam backing ensures optimal adhesion to uneven surfaces if required
- Rounded corners ensure better long term durability of adhesion
- Print high contrast text and barcodes
- Print 'On Site' not order 'Off Site'
- Special sizes and colours are possible on request
- For outstanding chemical resistance use TT122OUT



Panel labels Helatag 1220 – high performance adhesive ensures optimal adhesion to uneven surfaces.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1220, Polyester, white (1220)   |
| <b>Operating Temperature</b>     | -40 °C to +90 °C   |
| <b>Curing Temperature</b>        | from +10 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 50 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance to aging, weathering and UV-radiation. Extensive resistance to the influence of chemicals and solvents. |
| <b>Recommended Ribbon Type</b>   | TT122OUT, TT822OUT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030  |



| TYPE                   | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont. | Colour     | Article-No. |
|------------------------|-----------|------------|---------------------|----------------|------------|------------|-------------|
| TAG13-07TDK1-1220-WH   | 13.0      | 7.0        | 21.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00560   |
| TAG22-22TDK1-1220-WH   | 22.0      | 22.0       | 28.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00561   |
| TAG27-08TDK1-1220-WH   | 27.0      | 8.0        | 33.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00562   |
| TAG27-12.5TDK1-1220-WH | 27.0      | 12.5       | 33.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00558   |
| TAG27-15TDK1-1220-WH   | 27.0      | 15.0       | 33.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00563   |
| TAG27-18TDK1-1220-WH   | 27.0      | 18.0       | 33.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00564   |
| TAG27-27TDK1-1220-WH   | 27.0      | 27.0       | 33.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00565   |
| TAG35-18TDK1-1220-WH   | 35.0      | 18.0       | 41.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00566   |
| TAG45-15TDK1-1220-WH   | 45.0      | 15.0       | 51.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00567   |
| TAG45-25TDK1-1220-WH   | 45.0      | 25.0       | 51.0                | 1 pc.          | 1,000 pcs. | White (WH) | 596-00568   |
| TAG60-30TDK1-1220-WH   | 60.0      | 30.0       | 66.0                | 1 pc.          | 500 pcs.   | White (WH) | 596-00569   |
| TAG90-45TDK1-1220-WH   | 90.0      | 45.0       | 96.0                | 1 pc.          | 500 pcs.   | White (WH) | 596-00570   |
| TAG100-30TDK1-1220-WH  | 100.0     | 30.0       | 106.0               | 1 pc.          | 250 pcs.   | White (WH) | 596-00571   |
| TAG100-70TDK1-1220-WH  | 100.0     | 70.0       | 106.0               | 1 pc.          | 250 pcs.   | White (WH) | 596-00572   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Add items to your watchlist!

[www.HT.click/49-505](http://www.HT.click/49-505)





### Panel plate labels, thermal transfer

#### Helatag 1221 (Silver)

Panel labels are durable adhesive labels especially made from a thick material that is designed to replace traditional engraved plastic plates. The silver colour is suited to industrial control panels, switchgear, data racks and general equipment labelling.

Create crisp and clear professional looking labels by printing with HellermannTyton thermal transfer printers and ribbons.

Simple label design creation is easily achieved using TagPrint Pro.

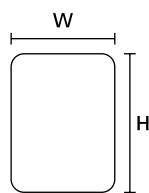
#### Features and benefits

- Cost-effective replacement for engraved plastic plates, no need for additional label holder
- High performance adhesive and compressible foam backing ensures optimal adhesion to uneven surfaces if required
- Rounded corners ensure better long term durability of adhesion
- Print high contrast text and barcodes
- Print 'On Site' not order 'Off Site'
- Special sizes and colours are possible on request
- For outstanding chemical resistance use TT1220UT



Panel labels are an ideal replacement for engraved plates.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1221, Polyester, silver (1221)  |
| <b>Operating Temperature</b>     | -40 °C to +90 °C   |
| <b>Curing Temperature</b>        | from +10 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 50 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance to aging, weathering and UV-radiation. Extensive resistance to the influence of chemicals and solvents. |
| <b>Recommended Ribbon Type</b>   | TT1220UT, TT8220UT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030  |



| TYPE                   | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont. | Colour      | Article-No. |
|------------------------|-----------|------------|---------------------|----------------|------------|-------------|-------------|
| TAG13-07TDK1-1221-SR   | 13.0      | 7.0        | 21.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00573   |
| TAG22-22TDK1-1221-SR   | 22.0      | 22.0       | 28.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00574   |
| TAG27-08TDK1-1221-SR   | 27.0      | 8.0        | 33.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00575   |
| TAG27-12.5TDK1-1221-SR | 27.0      | 12.5       | 33.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00576   |
| TAG27-15TDK1-1221-SR   | 27.0      | 15.0       | 33.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00577   |
| TAG27-18TDK1-1221-SR   | 27.0      | 18.0       | 33.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00578   |
| TAG27-27TDK1-1221-SR   | 27.0      | 27.0       | 33.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00579   |
| TAG35-18TDK1-1221-SR   | 35.0      | 18.0       | 41.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00580   |
| TAG45-15TDK1-1221-SR   | 45.0      | 15.0       | 51.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00581   |
| TAG45-25TDK1-1221-SR   | 45.0      | 25.0       | 51.0                | 1 pc.          | 1,000 pcs. | Silver (SR) | 596-00582   |
| TAG60-30TDK1-1221-SR   | 60.0      | 30.0       | 66.0                | 1 pc.          | 500 pcs.   | Silver (SR) | 596-00583   |
| TAG90-45TDK1-1221-SR   | 90.0      | 45.0       | 96.0                | 1 pc.          | 500 pcs.   | Silver (SR) | 596-00584   |
| TAG100-30TDK1-1221-SR  | 100.0     | 30.0       | 106.0               | 1 pc.          | 250 pcs.   | Silver (SR) | 596-00585   |
| TAG100-70TDK1-1221-SR  | 100.0     | 70.0       | 106.0               | 1 pc.          | 250 pcs.   | Silver (SR) | 596-00586   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.





### Type label identification, thermal transfer

#### Helatag 1204

This silver-matt label is scratch-resistant and is ideal for usage as identification or name plate in industrial environments. The high temperature range suits a wide range of applications on flat surfaces. The adhesive is also suitable for critical surfaces like plastic and paint. Designing and printing labels is simple and users can quickly print out professional labels in a matter of moments when using TagPrint Pro labelling software.

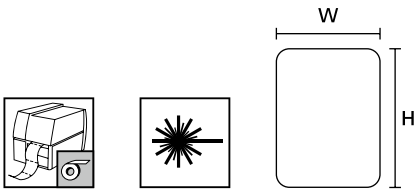
#### Features and benefits

- Replacement option for aluminium plates
- For applications on flat surfaces
- Allows the identification on critical surfaces, e.g. paints and plastic variants
- Print labels with customer unique references
- Use text, graphics and barcodes as required



Professional type plate on a heating unit.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1204, Polyester (1204)  |
| <b>Operating Temperature</b>     | -40 °C to +150 °C  |
| <b>Curing Temperature</b>        | from 0 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 53 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis. |
| <b>Recommended Ribbon Type</b>   | TT822OUT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030  |



| TYPE             | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour           | Article-No. |
|------------------|-----------|------------|---------------------|----------------|-------------|------------------|-------------|
| TAG71TD6-1204-SR | 12.7      | 11.1       | 101.6               | 6 pcs.         | 15,000 pcs. | Silver matt (SR) | 596-12071   |
| TAG13TD4-1204-SR | 19.1      | 6.4        | 101.6               | 4 pcs.         | 10,000 pcs. | Silver matt (SR) | 596-12043   |
| TAG34TD3-1204-SR | 25.4      | 9.5        | 85.1                | 3 pcs.         | 7,500 pcs.  | Silver matt (SR) | 596-34120   |
| TAG15TD3-1204-SR | 25.4      | 12.7       | 85.1                | 3 pcs.         | 7,500 pcs.  | Silver matt (SR) | 596-12045   |
| TAG35TD3-1204-SR | 31.8      | 9.5        | 101.6               | 3 pcs.         | 7,500 pcs.  | Silver matt (SR) | 596-12035   |
| TAG17TD2-1204-SR | 38.1      | 6.4        | 85.1                | 2 pcs.         | 5,000 pcs.  | Silver matt (SR) | 596-12047   |
| TAG27TD2-1204-SR | 38.1      | 19.1       | 85.1                | 2 pcs.         | 5,000 pcs.  | Silver matt (SR) | 596-27120   |
| TAG67TD2-1204-SR | 38.1      | 31.8       | 85.1                | 2 pcs.         | 1,000 pcs.  | Silver matt (SR) | 596-12067   |
| TAG69TD2-1204-SR | 40.6      | 22.9       | 89.0                | 2 pcs.         | 2,500 pcs.  | Silver matt (SR) | 596-12069   |
| TAG77TD1-1204-SR | 50.8      | 22.9       | 55.0                | 1 pc.          | 2,000 pcs.  | Silver matt (SR) | 596-12077   |
| TAG73TD1-1204-SR | 50.8      | 25.4       | 55.0                | 1 pc.          | 2,000 pcs.  | Silver matt (SR) | 596-73124   |
| TAG66TD1-1204-SR | 50.8      | 36.5       | 56.8                | 1 pc.          | 1,000 pcs.  | Silver matt (SR) | 596-12066   |
| TAG63TD1-1204-SR | 63.5      | 38.1       | 70.0                | 1 pc.          | 1,000 pcs.  | Silver matt (SR) | 596-12063   |
| TAG76TD1-1204-SR | 63.5      | 50.8       | 70.0                | 1 pc.          | 500 pcs.    | Silver matt (SR) | 596-12076   |
| TAG72TD1-1204-SR | 69.9      | 31.8       | 76.0                | 1 pc.          | 1,000 pcs.  | Silver matt (SR) | 596-12072   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.

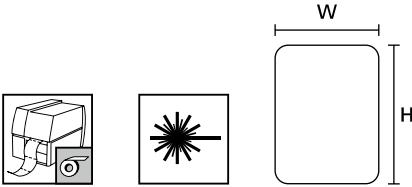


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[www.HT.click/49-507](http://www.HT.click/49-507)



### Type label identification, thermal transfer

#### Helatag 1204



| TYPE             | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont. | Colour           | Article-No. |
|------------------|-----------|------------|---------------------|----------------|------------|------------------|-------------|
| TAG65TD1-1204-SR | 76.2      | 36.5       | 82.0                | 1 pc.          | 1,000 pcs. | Silver matt (SR) | 596-12065   |
| TAG62TD1-1204-SR | 76.2      | 50.8       | 82.0                | 1 pc.          | 500 pcs.   | Silver matt (SR) | 596-12062   |
| TAG64TD1-1204-SR | 88.9      | 36.5       | 95.0                | 1 pc.          | 1,000 pcs. | Silver matt (SR) | 596-12064   |
| TAG97TD1-1204-SR | 101.6     | 74.0       | 106.0               | 1 pc.          | 500 pcs.   | Silver matt (SR) | 596-71204   |
| TAGR3TD1-1204-SR | 104.0     | -          | 108.0               | 1 pc.          | 75.0 m     | Silver matt (SR) | 596-31204   |
| TAG02TD1-1204-SR | 104.0     | 12.0       | 104.0               | 1 pc.          | 5,000 pcs. | Silver matt (SR) | 596-21204   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

### Asset identification label, thermal transfer

#### Helatag 1206

This label is scratch-resistant and is ideal for usage as identification or name plate in industrial environments. The high temperature range suits a wide range of applications on flat surfaces. The adhesive is also suitable for critical surfaces like plastic and paint.

Designing and printing labels is simple and users can quickly print out professional labels in a matter of moments when using TagPrint Pro labelling software.

#### Features and benefits

- Ideal for machinery operating in high temperature areas (up to +150 °C)
- For applications on flat surfaces
- Chemical resistant polyester foil
- For permanent and ageing-resistant identification
- Barcodes and alphanumeric text remain pin sharp on this high quality material



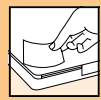
Helatag label for a permanent asset identification.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1206, Polyester (1206)  |
| <b>Operating Temperature</b>     | -40 °C to +150 °C  |
| <b>Curing Temperature</b>        | from 0 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 50 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis. |
| <b>Recommended Ribbon Type</b>   | TT822OUT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030  |



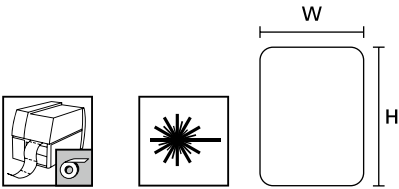
For product specific approvals and specifications please refer to the Appendix.





### Asset identification label, thermal transfer

Helatag 1206



| TYPE             | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour             | Article-No. |
|------------------|-----------|------------|---------------------|----------------|-------------|--------------------|-------------|
| TAG71TD6-1206-WH | 12.7      | 11.1       | 101.6               | 6 pcs.         | 15,000 pcs. | White gloss (GSWH) | 596-12671   |
| TAG13TD4-1206-WH | 19.1      | 6.4        | 101.6               | 4 pcs.         | 10,000 pcs. | White gloss (GSWH) | 596-12061   |
| TAG16TD3-1206-WH | 22.9      | 6.4        | 80.0                | 3 pcs.         | 10,000 pcs. | White gloss (GSWH) | 596-12616   |
| TAG61TD3-1206-WH | 25.4      | 4.8        | 89.0                | 3 pcs.         | 10,000 pcs. | White gloss (GSWH) | 596-12661   |
| TAG01TD3-1206-WH | 25.4      | 6.4        | 89.0                | 3 pcs.         | 7,500 pcs.  | White gloss (GSWH) | 596-01120   |
| TAG34TD3-1206-WH | 25.4      | 9.5        | 85.1                | 3 pcs.         | 7,500 pcs.  | White gloss (GSWH) | 596-12634   |
| TAG15TD3-1206-WH | 25.4      | 12.7       | 85.1                | 3 pcs.         | 7,500 pcs.  | White gloss (GSWH) | 596-12615   |
| TAG31TD3-1206-WH | 25.4      | 19.1       | 85.1                | 3 pcs.         | 5,000 pcs.  | White gloss (GSWH) | 596-12631   |
| TAG35TD3-1206-WH | 31.8      | 9.5        | 101.6               | 3 pcs.         | 7,500 pcs.  | White gloss (GSWH) | 596-12635   |
| TAG17TD2-1206-WH | 38.1      | 6.4        | 85.1                | 2 pcs.         | 5,000 pcs.  | White gloss (GSWH) | 596-12617   |
| TAG27TD2-1206-WH | 38.1      | 19.1       | 85.1                | 2 pcs.         | 2,500 pcs.  | White gloss (GSWH) | 596-12627   |
| TAG67TD2-1206-WH | 38.1      | 31.8       | 85.1                | 2 pcs.         | 2,500 pcs.  | White gloss (GSWH) | 596-12667   |
| TAG69TD2-1206-WH | 40.6      | 22.9       | 89.0                | 2 pcs.         | 2,500 pcs.  | White gloss (GSWH) | 596-12669   |
| TAG77TD1-1206-WH | 50.8      | 22.9       | 55.0                | 1 pc.          | 2,000 pcs.  | White gloss (GSWH) | 596-71206   |
| TAG73TD1-1206-WH | 50.8      | 25.4       | 55.0                | 1 pc.          | 2,000 pcs.  | White gloss (GSWH) | 596-12673   |
| TAG68TD1-1206-WH | 63.5      | 25.4       | 69.0                | 1 pc.          | 2,000 pcs.  | White gloss (GSWH) | 596-12668   |
| TAG63TD1-1206-WH | 63.5      | 38.1       | 70.0                | 1 pc.          | 1,000 pcs.  | White gloss (GSWH) | 596-12663   |
| TAG76TD1-1206-WH | 63.5      | 50.8       | 70.0                | 1 pc.          | 500 pcs.    | White gloss (GSWH) | 596-61206   |
| TAG4TD1-1206-WH  | 65.0      | 20.0       | 70.0                | 1 pc.          | 2,500 pcs.  | White gloss (GSWH) | 596-41206   |
| TAG72TD1-1206-WH | 69.9      | 31.8       | 76.0                | 1 pc.          | 1,000 pcs.  | White gloss (GSWH) | 596-12672   |
| TAG65TD1-1206-WH | 76.2      | 36.5       | 82.0                | 1 pc.          | 1,000 pcs.  | White gloss (GSWH) | 596-12665   |
| TAG62TD1-1206-WH | 76.2      | 50.8       | 82.0                | 1 pc.          | 500 pcs.    | White gloss (GSWH) | 596-12662   |
| TAG64TD1-1206-WH | 88.9      | 36.5       | 95.0                | 1 pc.          | 1,000 pcs.  | White gloss (GSWH) | 596-12664   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-509](http://www.HT.click/49-509)





### Type label identification, laser printer

#### Helatag 1103 (Silver)

These silver labels come in various sizes and are ideal for the identification of industrial assets.

The labels can be easily printed with office laser printers. All label templates are already stored in HellermannTyton's TagPrint Pro software so label design including barcodes or logos has been made easy even with office printers.

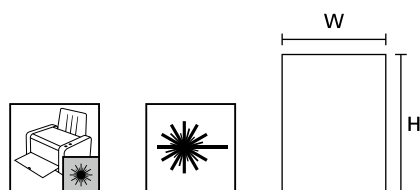
#### Features and benefits

- Matt-silver rating labels for component marking
- For use on flat and smooth surfaces
- Simple and efficient label design and printing with TagPrint Pro labelling software
- Templates available from [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates) for those wishing to use MS Word
- Clear protective box to ensure labels stay as good as new



Highly visible and clearly printed labels identify quality assets.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1103, Polyester, silver (1103)  |
| <b>Operating Temperature</b>     | -40 °C to +150 °C  |
| <b>Curing Temperature</b>        | from 0 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 53 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance against water, alcohol, most oils, lubricants, fuels, aliphatic solvents, weak acid, salts, alkalis and UV light. |



| TYPE              | Width (W) | Height (H) | Labels per Sheet | Sheets per Pack | Pack Cont. | Colour      | Article-No. |
|-------------------|-----------|------------|------------------|-----------------|------------|-------------|-------------|
| TAG155LA4-1103-SR | 25.4      | 8.5        | 231 pcs.         | 22 pcs.         | 5,000 pcs. | Silver (SR) | 594-01103   |
| TAG15LA4-1103-SR  | 25.4      | 12.7       | 154 pcs.         | 33 pcs.         | 5,000 pcs. | Silver (SR) | 594-11103   |
| TAG162LA4-1103-SR | 38.1      | 12.7       | 110 pcs.         | 23 pcs.         | 2,500 pcs. | Silver (SR) | 594-21103   |
| TAG165LA4-1103-SR | 48.3      | 21.2       | 52 pcs.          | 20 pcs.         | 1,000 pcs. | Silver (SR) | 594-31103   |
| TAG169LA4-1103-SR | 48.3      | 33.9       | 32 pcs.          | 32 pcs.         | 1,000 pcs. | Silver (SR) | 594-41103   |
| TAG170LA4-1103-SR | 63.5      | 33.9       | 24 pcs.          | 21 pcs.         | 500 pcs.   | Silver (SR) | 594-51103   |
| TAG171LA4-1103-SR | 210.0     | 297.0      | 1 pc.            | 25 pcs.         | 25 pcs.    | Silver (SR) | 594-61103   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.





### Type label identification, laser printer

#### Helatag 1102 (Yellow)

These yellow labels come in various sizes and are ideal for the identification of industrial assets.

The labels can be easily printed with office laser printers. All label templates are already stored in HellermannTyton's TagPrint Pro software so label design including barcodes or logos has been made easy even with office printers.

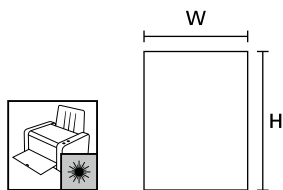
#### Features and benefits

- Yellow rating labels for component marking and control cabinets
- For use on flat and smooth surfaces
- Crisp and clear text, barcodes and graphics
- Simple and efficient label design and printing with TagPrint Pro labelling software
- Templates available from [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates) for those wishing to use MS Word
- Clear protective box to ensure labels stay as good as new



Optimal print results with a range of office laser printers.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1102, Polyester, yellow (1102)  |
| <b>Operating Temperature</b>     | -40 °C to +150 °C  |
| <b>Curing Temperature</b>        | from 0 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 55 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance against water, alcohol, most oils, lubricants, fuels, aliphatic solvents, weak acid, salts, alkalis and UV light. |



| TYPE              | Width (W) | Height (H) | Labels per Sheet | Sheets per Pack | Pack Cont.  | Colour      | Article-No. |
|-------------------|-----------|------------|------------------|-----------------|-------------|-------------|-------------|
| TAG156LA4-1102-YE | 10.2      | 10.2       | 532 pcs.         | 19 pcs.         | 10,000 pcs. | Yellow (YE) | 594-61102   |
| TAG122LA4-1102-YE | 15.0      | 9.0        | 372 pcs.         | 27 pcs.         | 10,000 pcs. | Yellow (YE) | 594-21102   |
| TAG120LA4-1102-YE | 15.2      | 6.4        | 528 pcs.         | 19 pcs.         | 10,000 pcs. | Yellow (YE) | 594-01102   |
| TAG154LA4-1102-YE | 17.0      | 9.0        | 341 pcs.         | 30 pcs.         | 10,000 pcs. | Yellow (YE) | 594-51102   |
| TAG124LA4-1102-YE | 19.0      | 11.0       | 260 pcs.         | 20 pcs.         | 5,000 pcs.  | Yellow (YE) | 594-41102   |
| TAG13LA4-1102-YE  | 19.1      | 6.4        | 440 pcs.         | 23 pcs.         | 10,000 pcs. | Yellow (YE) | 594-31102   |
| TAG121LA4-1102-YE | 20.0      | 8.0        | 315 pcs.         | 32 pcs.         | 10,000 pcs. | Yellow (YE) | 594-11102   |
| TAG62LA4-1102-YE  | 31.8      | 9.5        | 180 pcs.         | 28 pcs.         | 5,000 pcs.  | Yellow (YE) | 594-81102   |
| TAG171LA4-1102-YE | 210.0     | 297.0      | 1 pc.            | 25 pcs.         | 25 pcs.     | Yellow (YE) | 594-71102   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-511](http://www.HT.click/49-511)







### Type label identification, laser printer

#### Helatag 1101 (White)

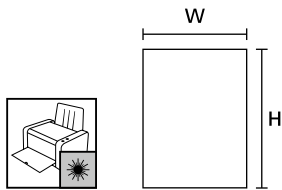
Used where clarity of print is most important and is ideally suited for printing barcodes and high definition graphics.

A range of sizes and materials are available to suit most cable marking and asset identification needs.

For problem-free printing, we recommend our easy to use windows based TagPrint Pro software program, which comes pre-loaded with all our standard label templates so you can start producing labels immediately.

#### Features and benefits

- White rating labels for component marking as well as for control cabinets
- For use on flat and smooth surfaces
- Crisp and clear text, barcodes and graphics
- Simple and efficient label design and printing with TagPrint Pro labelling software
- Templates available from [www.HellermannTyton.com/templates](http://www.HellermannTyton.com/templates) for those wishing to use MS Word
- Clear protective box to ensure labels stay as good as new



Helatag label for permanent asset identification.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1101, Polyester, white (1101)   |
| <b>Operating Temperature</b>     | -40 °C to +150 °C  |
| <b>Curing Temperature</b>        | from 0 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 55 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance against water, alcohol, most oils, lubricants, fuels, aliphatic solvents, weak acid, salts, alkalis and UV light. |



| TYPE              | Width (W) | Height (H) | Labels per Sheet | Sheets per Pack | Pack Cont.  | Colour     | Article-No. |
|-------------------|-----------|------------|------------------|-----------------|-------------|------------|-------------|
| TAG156LA4-1101-WH | 10.2      | 10.2       | 532 pcs.         | 19 pcs.         | 10,000 pcs. | White (WH) | 594-81101   |
| TAG122LA4-1101-WH | 15.0      | 9.0        | 372 pcs.         | 27 pcs.         | 10,000 pcs. | White (WH) | 594-31101   |
| TAG120LA4-1101-WH | 15.2      | 6.4        | 528 pcs.         | 19 pcs.         | 10,000 pcs. | White (WH) | 594-11101   |
| TAG11LA4-1101-WH  | 16.5      | 5.1        | 605 pcs.         | 17 pcs.         | 10,000 pcs. | White (WH) | 594-01101   |
| TAG154LA4-1101-WH | 17.0      | 9.0        | 341 pcs.         | 30 pcs.         | 10,000 pcs. | White (WH) | 594-61101   |
| TAG124LA4-1101-WH | 19.0      | 11.0       | 260 pcs.         | 20 pcs.         | 5,000 pcs.  | White (WH) | 594-11017   |
| TAG13LA4-1101-WH  | 19.1      | 6.4        | 440 pcs.         | 23 pcs.         | 10,000 pcs. | White (WH) | 594-41101   |
| TAG121LA4-1101-WH | 20.0      | 8.0        | 315 pcs.         | 32 pcs.         | 10,000 pcs. | White (WH) | 594-21101   |
| TAG155LA4-1101-WH | 25.4      | 8.5        | 231 pcs.         | 22 pcs.         | 5,000 pcs.  | White (WH) | 594-71101   |
| TAG15LA4-1101-WH  | 25.4      | 12.7       | 154 pcs.         | 33 pcs.         | 5,000 pcs.  | White (WH) | 594-91101   |
| TAG62LA4-1101-WH  | 31.8      | 9.5        | 180 pcs.         | 28 pcs.         | 5,000 pcs.  | White (WH) | 594-11016   |
| TAG162LA4-1101-WH | 38.1      | 12.7       | 110 pcs.         | 23 pcs.         | 2,500 pcs.  | White (WH) | 594-11010   |
| TAG150LA4-1101-WH | 48.3      | 8.5        | 132 pcs.         | 19 pcs.         | 2,500 pcs.  | White (WH) | 594-51101   |
| TAG163LA4-1101-WH | 48.3      | 12.7       | 88 pcs.          | 29 pcs.         | 2,500 pcs.  | White (WH) | 594-11011   |
| TAG165LA4-1101-WH | 48.3      | 21.2       | 52 pcs.          | 20 pcs.         | 1,000 pcs.  | White (WH) | 594-11012   |
| TAG169LA4-1101-WH | 48.3      | 33.9       | 32 pcs.          | 32 pcs.         | 1,000 pcs.  | White (WH) | 594-11013   |
| TAG170LA4-1101-WH | 63.5      | 33.9       | 24 pcs.          | 21 pcs.         | 500 pcs.    | White (WH) | 594-11014   |
| TAG171LA4-1101-WH | 210.0     | 297.0      | 1 pc.            | 25 pcs.         | 25 pcs.     | White (WH) | 594-11015   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.





### Warehouse and pipe labelling, thermal transfer

#### Helatag 1213

These coloured labels are used to identify storage systems with barcode and location information. They are also suitable for general marking of parts and components, samples and blocked goods in quality assurance, storage boxes and barrels.

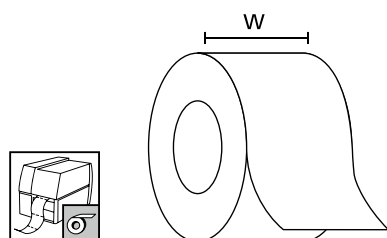
#### Features and benefits

- Pipe, warehouse and shelving label
- Supplied on a continuous roll and cut by hand or automated with printer cutters
- Also for rough surfaces
- Good resistance in outdoor applications



Large and highly visible pipe marking.

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1213, Vinyl, glossy colours (1213)   |
| <b>Operating Temperature</b>     | -40 °C to +90 °C  |
| <b>Curing Temperature</b>        | from +8 °C  |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 95 µm   |
| <b>Chem. Material Properties</b> | Resistant to water, alcohol, most oils, greases, fuel, aliphatic solvents, weak acids, salts and alkalis. |



| TYPE              | Width (W) | Pack Cont. | Colour              | Article-No. |
|-------------------|-----------|------------|---------------------|-------------|
| TAGR4TD1-1213-YE  | 25.0      | 50 m       | Yellow gloss (GSYE) | 596-03103   |
| TAG108TD1-1213-BU | 40.0      | 50 m       | Blue (BU)           | 596-12181   |
| TAG108TD1-1213-GN | 40.0      | 50 m       | Green (GN)          | 596-12166   |
| TAG108TD1-1213-GY | 40.0      | 50 m       | Grey (GY)           | 596-12188   |
| TAG108TD1-1213-PK | 40.0      | 50 m       | Pink (PK)           | 596-00971   |
| TAG108TD1-1213-YE | 40.0      | 50 m       | Yellow gloss (GSYE) | 596-12167   |
| TAGR1TD-1213-GN   | 101.6     | 50 m       | Green (GN)          | 596-12170   |
| TAGR1TD-1213-RD   | 101.6     | 50 m       | Red (RD)            | 596-12168   |
| TAGR1TD-1213-WH   | 101.6     | 50 m       | White gloss (GSWH)  | 596-12171   |
| TAGR1TD-1213-YE   | 101.6     | 50 m       | Yellow gloss (GSYE) | 596-12169   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Add items to your watchlist!

[www.HT.click/49-513](http://www.HT.click/49-513)





### Cable ties with integrated RFID transponder

#### T50RFID – Low frequency (LF) and high frequency (HF), blank

RFID cable ties provide an innovative solution for clear and rapid product identification. The nylon cable ties are equipped with an RFID transponder and therefore combine the numerous advantages of a regular cable tie with RFID technology. The ties are especially suited for securing, serialisation, tracking and identification of products in the areas of resource management, electrical inspection, inventory, distribution and rental services as well as for easy management of maintenance and repair routines.

#### Features and benefits

- Flexible, contactless data communication
- Clear identification of objects through unique numbering
- Faster data management compared to paper solution
- More accurate documentation processes – prevention of human errors
- Robust and resistant to harsh environments and cleaning processes
- Low frequency (LF – 125 kHz) - Read only
- High frequency (HF – 13.56 MHz) - Rewritable

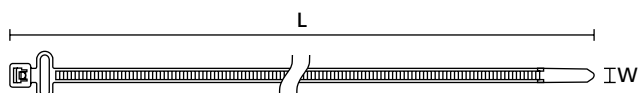


[www.HellermannTyton.co.uk/RFID-cat22](http://www.HellermannTyton.co.uk/RFID-cat22)



T50RFID – cable ties with RFID transponder.

|                              |                      |                                     |
|------------------------------|----------------------|-------------------------------------|
| <b>MATERIAL</b>              | Polyamide 6.6 (PA66) | Polyamide 6.6, UV-resistant (PA66W) |
| <b>Frequency</b>             | 125 kHz (LF)         | 13.56 MHz (HF)                      |
| <b>Idle Temperature</b>      | -40 °C to +85 °C     |                                     |
| <b>Operating Temperature</b> | -40 °C to +85 °C     | -25 °C to +85 °C                    |
| <b>Flammability</b>          | UL 94 V2             |                                     |



T50RFID, MCTRIFID

| TYPE       | Frequency      | Bundle Ø min. | Bundle Ø max. | Width (W) | Length (L) | N   | Colour            | Pack Cont. | Material | Tools | Article-No. |
|------------|----------------|---------------|---------------|-----------|------------|-----|-------------------|------------|----------|-------|-------------|
| T50RFIDCLA | 125 kHz (LF)   | 1.5           | 50.0          | 4.6       | 200.0      | 225 | Yellow (YE)       | 100 pcs.   | PA66     | 5;25  | 111-01638   |
| T50RFIDCHA | 13.56 MHz (HF) | 1.5           | 50.0          | 4.6       | 200.0      | 225 | Yellow (YE)       | 100 pcs.   | PA66     | 5;25  | 111-01639   |
|            | 13.56 MHz (HF) | 1.5           | 50.0          | 4.6       | 200.0      | 225 | Black (BK)        | 100 pcs.   | PA66     | 5;25  | 111-01591   |
|            | 13.56 MHz (HF) | 1.5           | 50.0          | 4.6       | 200.0      | 225 | Black (BK)        | 100 pcs.   | PA66W    | 5;25  | 111-02406   |
|            | 13.56 MHz (HF) | 1.5           | 50.0          | 4.6       | 200.0      | 225 | Light Blue (LTBU) | 100 pcs.   | PA66     | 5;25  | 111-01673   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



**Minimum Loop Tensile Strength for Cable Ties (newton)**

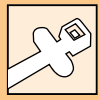
| Recommended Tools |       |        |
|-------------------|-------|--------|
|                   | 5     | 25     |
|                   | EVO7i | EVOcut |
|                   | 553   | 563    |

For more information on toolings please refer to the Application Tooling chapter.



Add items to your watchlist!

[www.HT.click/49-514](http://www.HT.click/49-514)



### Detectable cable ties with integrated RFID transponder

#### MCTRFID – Low frequency (LF) and high frequency (HF), blank

HellermannTyton has developed a range of nylon and metal identification cable ties with RFID tag to enable users to easily fix the RFID tag to equipment that needs to carry a serial number for tracking and identification purposes.

The products are provided to clients in the following areas: utility companies, healthcare, food processing, agriculture, hire shops and companies carrying out servicing and calibration.

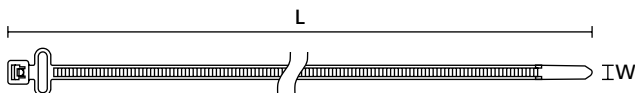
#### Features and benefits

- Magnetic or X-Ray detectable RFID cable ties (detection level depending on specific application)
- Total metal dispersion throughout the tie
- For safe handling of production processes
- Blue colour for easy visual detection
- Flexible, contactless data communication
- Clear identification of objects through unique numbering
- Faster data management compared to paper solution
- More accurate documentation processes – prevention of human errors
- Robust and resistant to harsh environments and cleaning processes
- Low frequency (LF – 125 kHz) - Read only
- High frequency (HF – 13.56 MHz) - Rewritable



MCTRFID – detectable cable ties (metal content) with RFID transponder.

|                              |  |                  |
|------------------------------|--|------------------|
| <b>MATERIAL</b>              | Polyamide 6.6, with metal particles (PA66MP) |                  |
| <b>Frequency</b>             | 125 kHz (LF)                                 | 13.56 MHz (HF)   |
| <b>Idle Temperature</b>      | -40 °C to +85 °C                             |                  |
| <b>Operating Temperature</b> | -40 °C to +85 °C                             | -25 °C to +85 °C |
| <b>Flammability</b>          | UL 94 HB                                     |                  |



T50RFID, MCTRFID

| TYPE       | Frequency      | Bundle Ø min. | Bundle Ø max. | Width (W) | Length (L) | N   | Colour    | Pack Cont. | Tools | Article-No. |
|------------|----------------|---------------|---------------|-----------|------------|-----|-----------|------------|-------|-------------|
| MCTRFIDCLA | 125 kHz (LF)   | 1.5           | 50.0          | 4.6       | 200.0      | 225 | Blue (BU) | 100 pcs.   | 5;25  | 111-01976   |
| MCTRFIDCHA | 13.56 MHz (HF) | 1.5           | 50.0          | 4.6       | 200.0      | 225 | Blue (BU) | 100 pcs.   | 5;25  | 111-01676   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

= Minimum Loop Tensile Strength for Cable Ties (newton)

| Recommended Tools |       |        |
|-------------------|-------|--------|
|                   | 5     | 25     |
|                   | EVO7i | EVOcut |
|                   | 553   | 563    |

For more information on toolings please refer to the Application Tooling chapter.



For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!  
[www.HT.click/49-515](http://www.HT.click/49-515)



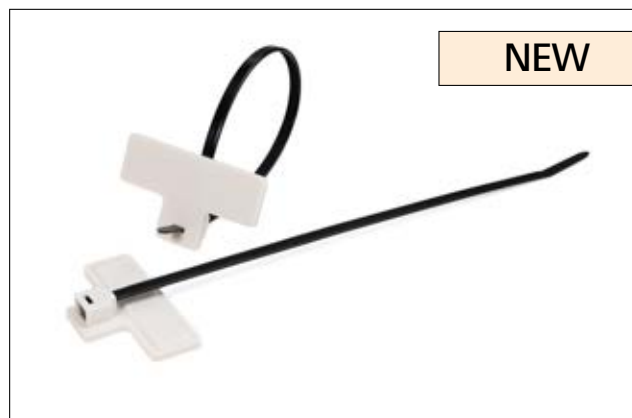
### Cable ties with RFID transponder

#### Flag-head cable ties with RFID transponder – Ultra high frequency (UHF)

RFID cable ties provide an innovative solution for clear and rapid product identification. The ties are especially suited for securing, serialisation, tracking and identification of products in the areas of resource management, electrical inspection, inventory, distribution and rental services as well as for easy management of maintenance and repair routines. Bulk detection of up to 500 transponders per second using the UHF frequency, offering long read distances giving you a faster solution to manage your assets.

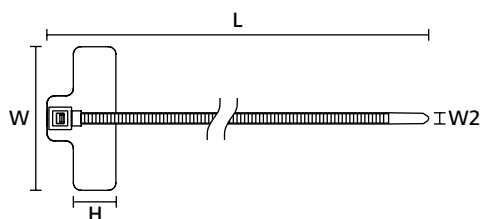
#### Features and benefits

- Identification element with integrated RFID transponder
- UHF RFID Frequency - 865-868 Mhz
- Rewritable memory
- Clear identification of objects and / or locations through unique numbering systems
- 200 x 4.6mm cable tie
- robust and durable
- UHF chipset:512 bit
- ISO/IEC 18000-6C EPC Class1 Gen2
- Read range: 1-1.5 meters
- Bulk detection of up to 500 transponders per second using the UHF frequency.
- Faster and more secure and error free data management



Cable tie with UHF transponder.

|                              |  |
|------------------------------|--|
| <b>MATERIAL</b>              | Thermoplastic Polyurethane (TPU), Polyamide 6.6 (PA66) |
| <b>Frequency</b>             | 865-868 MHz (UHF)                                      |
| <b>Idle Temperature</b>      | -25 °C to +80 °C                                       |
| <b>Operating Temperature</b> | -25 °C to +80 °C                                       |



T50RFIDUHF

| TYPE       | Frequency         | Bundle Ø min. | Bundle Ø max. | Width (W) | Width (W2) | Length (L) | Height (H) | N   | Colour                 | Pack Cont. | Material  | Tools | Article-No. |
|------------|-------------------|---------------|---------------|-----------|------------|------------|------------|-----|------------------------|------------|-----------|-------|-------------|
| T50RFIDUHF | 865-868 MHz (UHF) | 1.5           | 50.0          | 54.0      | 4.6        | 200.0      | 10.0       | 110 | White (WH), Black (BK) | 100 pcs.   | TPU, PA66 | 5;25  | 111-02508   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

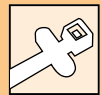


**N = Minimum Loop Tensile Strength for Cable Ties (newton)**

| Recommended Tools |        |
|-------------------|--------|
| 5                 | 25     |
| EVO7i             | EVOcut |
| 553               | 563    |

For more information on toolings please refer to the Application Tooling chapter.





### Stainless steel ties with RFID transponder

#### MBTRFID – High frequency (HF) and ultra high frequency (UHF), blank

Stainless steel RFID cable ties are fitted with a slide-on carrier for a high frequency (HF) or an ultra-high frequency (UHF) RFID transponder. These ties are ideal for product identification in all areas of harsh environment where high tensile strength and durability is of importance. The ties are especially suited for securing, serialisation, tracking and identification of products in the areas of resource management, electrical inspection, inventory, distribution and rental services as well as for easy management of maintenance and repair routines.

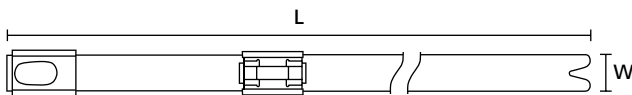
#### Features and benefits

- MBT stainless steel (316) tie complete with RFID transponder
- Especially suited for applications in harsh environments
- Patented non-releasable locking feature
- Flexible, contactless data communication
- Clear identification of objects through unique numbering
- Faster data management compared to paper solution
- More accurate documentation processes – prevention of human errors
- High frequency (HF – 13.56 MHz) and ultra high frequency (UHF – 869 MHz) available
- Rewritable
- Standard colour red, black coating is also available as a special



MBTRFID – stainless steel RFID cable ties for product identification in harsh environments.

|                              |   |                  |
|------------------------------|---|------------------|
| <b>MATERIAL</b>              | Stainless Steel (SS316), Polyester (SP) |                  |
| <b>Frequency</b>             | 13.56 MHz (HF)                          | 869 MHz (UHF)    |
| <b>Idle Temperature</b>      | -25 °C to +70 °C                        | -40 °C to +85 °C |
| <b>Operating Temperature</b> | -25 °C to +70 °C                        | -40 °C to +85 °C |
| <b>Flammability</b>          | non-burning (except coating)            |                  |



MBTRFID

| TYPE         | Frequency      | Bundle Ø min. | Bundle Ø max. | Width (W) | Length (L) | N     | Colour   | Pack Cont. | Material  | Tools | Article-No. |
|--------------|----------------|---------------|---------------|-----------|------------|-------|----------|------------|-----------|-------|-------------|
| MBT8HFCRFID  | 13.56 MHz (HF) | 17.0          | 50.0          | 7.9       | 201.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 156-01167   |
| MBT14HFCRFID | 13.56 MHz (HF) | 17.0          | 102.0         | 7.9       | 362.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 111-01586   |
| MBT20HFCRFID | 13.56 MHz (HF) | 17.0          | 152.0         | 7.9       | 521.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 111-01587   |
| MBT27HFCRFID | 13.56 MHz (HF) | 17.0          | 203.0         | 7.9       | 681.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 111-01588   |
| MBT33HFCRFID | 13.56 MHz (HF) | 17.0          | 254.0         | 7.9       | 838.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 111-01589   |
| MBT8HHFRFID  | 869 MHz (UHF)  | 17.0          | 50.0          | 7.9       | 201.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 156-01565   |
| MBT14HHFRFID | 869 MHz (UHF)  | 17.0          | 102.0         | 7.9       | 362.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 156-01566   |
| MBT20HHFRFID | 869 MHz (UHF)  | 17.0          | 152.0         | 7.9       | 521.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 156-01567   |
| MBT27HHFRFID | 869 MHz (UHF)  | 17.0          | 203.0         | 7.9       | 681.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 156-01568   |
| MBT33HHFRFID | 869 MHz (UHF)  | 17.0          | 254.0         | 7.9       | 838.0      | 1,020 | Red (RD) | 50 pcs.    | SS316, SP | 15-18 | 156-01569   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

= Minimum Loop Tensile Strength for Cable Ties (newton)

| Recommended Tools |        |         |       |            |
|-------------------|--------|---------|-------|------------|
|                   | 15     | 16      | 17    | 18         |
|                   | MK9SST | MK9PSST | HDT16 | KST-STG200 |
|                   | 559    | 559     | 560   | 560        |

For more information on toolings please refer to the Application Tooling chapter.



Add items to your watchlist!

[www.HT.click/49-517](http://www.HT.click/49-517)





### Hard tags with RFID transponder

#### HardLine – High frequency (HF), bolt-on, blank

The HEXTAG made from PA66 is equipped with a transponder of HF frequency. The central hole allows a simple mounting in applications where a RFID cable tie solution is not suitable. All HellermannTyton RFID products can be used for securing, serialisation, tracking and identification of products in the areas of resource management, electrical inspection, inventory, distribution and rental services as well as for easy management of maintenance and repair routines.

#### Features and benefits

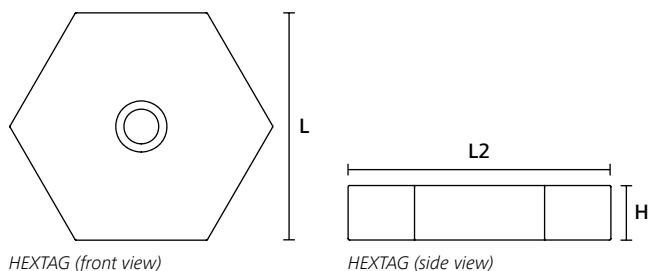
- Can be fitted using a chosen fixing element through fixing holes
- Flexible, contactless data communication
- Clear identification of objects through unique numbering
- Faster data management compared to paper solution
- More accurate documentation processes – prevention of human errors
- Robust and resistant to harsh environments and cleaning processes
- High frequency (HF – 13.56 MHz)
- Rewritable
- Different colours possible



RFID HEXTAG – for applications where a RFID cable tie solution is not suitable.

|                              |                      |
|------------------------------|----------------------|
| <b>MATERIAL</b>              | Polyamide 6.6 (PA66) |
| <b>Frequency</b>             | 13.56 MHz (HF)       |
| <b>Idle Temperature</b>      | -40 °C to +85 °C     |
| <b>Operating Temperature</b> | -40 °C to +85 °C     |
| <b>Flammability</b>          | UL 94 V2             |

RoHS ✓



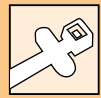
| TYPE        | Frequency      | Height (H) | Length (L) | Hole Ø (FH) | Length (L2) | Colour      | Pack Cont. | Article-No. |
|-------------|----------------|------------|------------|-------------|-------------|-------------|------------|-------------|
| RFID HEXTAG | 13.56 MHz (HF) | 8.0        | 33.4       | 5.2         | 38.39       | Yellow (YE) | 100 pcs.   | 151-01582   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.







### Hard tags with RFID transponder

#### HardLine – High frequency (HF), tie-on, blank

The CRADLE equipped with a HF transponder can be used with standard HellermannTyton cable ties. All HellermannTyton RFID products can be used for securing, serialisation, tracking and identification of products in the areas of resource management, electrical inspection, inventory, distribution and rental services as well as for easy management of maintenance and repair routines.

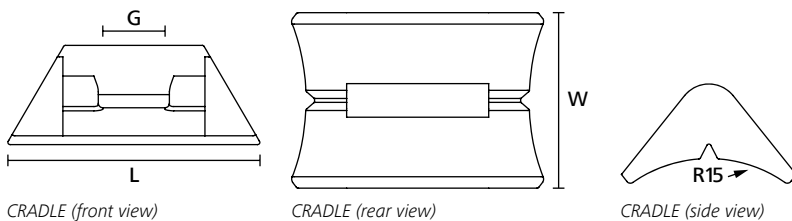
#### Features and benefits

- Cable tie slot to suit HellermannTyton's standard cable ties up to 7.9 mm wide
- Made from durable TPU and is suitable to be used in salt water conditions
- Flexible, contactless data communication
- Clear identification of objects through unique numbering
- Faster data management compared to paper solution
- More accurate documentation processes – prevention of human errors
- Robust and resistant to harsh environments and cleaning processes
- Date on RFID chip can be reprogrammed (HF) – no waste
- Yellow colour for easy visual detection
- Other colours and frequencies are available on request
- High frequency (HF – 13.56 MHz)
- Rewritable



RFID CRADLE – can be used with a standard HellermannTyton cable tie.

|                              |                                  |
|------------------------------|----------------------------------|
| <b>MATERIAL</b>              | Thermoplastic Polyurethane (TPU) |
| <b>Frequency</b>             | 13.56 MHz (HF)                   |
| <b>Idle Temperature</b>      | -40 °C to +85 °C                 |
| <b>Operating Temperature</b> | -25 °C to +85 °C                 |
| <b>Flammability</b>          | UL 94 V2                         |



| TYPE        | Frequency      | Width (W) | Length (L) | Strap Width max. (G) | Colour      | Pack Cont. | Article-No. |
|-------------|----------------|-----------|------------|----------------------|-------------|------------|-------------|
| RFID CRADLE | 13.56 MHz (HF) | 19.8      | 27.9       | 7.9                  | Yellow (YE) | 100 pcs.   | 151-01472   |

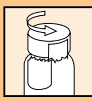
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



Add items to your watchlist!

[www.HT.click/49-519](http://www.HT.click/49-519)





### Tamper-evident security labelling, thermal transfer

#### Helatag 1203 (Silver)

These labels are ideal for tamper-proof marking of valuable inventory items as well as for type labels, security and guarantee labels for components and housings.

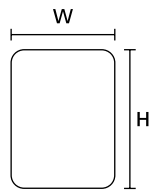
#### Features and benefits

- Tamper-evident labels leave clear reminder that label has been removed
- Mark assets securely and unambiguously
- Print labels with customer unique references
- Use text, graphics and barcodes as required



Highly visible tamper evidence.

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1203, Polyester, silver matt, tamper-proof (1203)  |
| <b>Operating Temperature</b>     | -40 °C to +120 °C   |
| <b>Curing Temperature</b>        | from +7 °C  |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 53 µm   |
| <b>Chem. Material Properties</b> | Excellent resistance to water, alcohol, most oils, greases, fuel, freezing fluid, brake fluid, aliphatic solvents, weak acids, salts and alkalis. |
| <b>Recommended Ribbon Type</b>   | TT822OUT  |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030   |



| TYPE             | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour      | Article-No. |
|------------------|-----------|------------|---------------------|----------------|-------------|-------------|-------------|
| TAG71TD6-1203-SR | 12.7      | 11.1       | 101.6               | 6 pcs.         | 15,000 pcs. | Silver (SR) | 596-71120   |
| TAG15TD3-1203-SR | 25.4      | 12.7       | 85.1                | 3 pcs.         | 7,500 pcs.  | Silver (SR) | 596-51203   |
| TAG27TD2-1203-SR | 38.1      | 19.1       | 85.1                | 2 pcs.         | 2,500 pcs.  | Silver (SR) | 596-71203   |
| TAG67TD2-1203-SR | 38.1      | 31.8       | 85.1                | 2 pcs.         | 1,000 pcs.  | Silver (SR) | 596-67120   |
| TAG73TD1-1203-SR | 50.8      | 25.4       | 55.0                | 1 pc.          | 2,000 pcs.  | Silver (SR) | 596-73120   |
| TAG66TD1-1203-SR | 50.8      | 36.5       | 56.8                | 1 pc.          | 1,000 pcs.  | Silver (SR) | 596-66120   |
| TAG68TD1-1203-SR | 63.5      | 25.4       | 69.0                | 1 pc.          | 2,000 pcs.  | Silver (SR) | 596-68120   |
| TAG63TD1-1203-SR | 63.5      | 38.1       | 70.0                | 1 pc.          | 1,000 pcs.  | Silver (SR) | 596-63120   |
| TAG76TD1-1203-SR | 63.5      | 50.8       | 70.0                | 1 pc.          | 500 pcs.    | Silver (SR) | 596-76120   |
| TAG62TD1-1203-SR | 76.2      | 50.8       | 82.0                | 1 pc.          | 500 pcs.    | Silver (SR) | 596-21203   |
| TAG64TD1-1203-SR | 88.9      | 36.5       | 95.0                | 1 pc.          | 1,000 pcs.  | Silver (SR) | 596-64120   |
| TAG98TD1-1203-SR | 101.0     | 160.0      | 105.0               | 1 pc.          | 250 pcs.    | Silver (SR) | 596-98120   |
| TAG97TD1-1203-SR | 101.6     | 74.0       | 106.0               | 1 pc.          | 500 pcs.    | Silver (SR) | 596-97120   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



For product specific approvals and specifications please refer to the Appendix.





### Tamper-evident security labelling, thermal transfer

#### Helatag 1208 (White), fragmenting

These special labels are optimally suited for tamper-proof identification of valuable inventory items as well as a security and guarantee seal for components and housings.

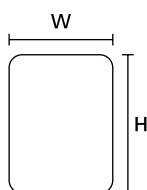
#### Features and benefits

- Security label
- Fragments on removal
- Designed weak spots makes label removal time consuming



Helatag 1208 – a secure way of identifying if an asset label has been tampered with.

|                                  |   |
|----------------------------------|---|
| <b>MATERIAL</b>                  | Type 1208, Acetate foil, white, tamper-proof (1208) |
| <b>Operating Temperature</b>     | -40 °C to +150 °C                                   |
| <b>Curing Temperature</b>        | from +4 °C  |
| <b>Adhesive</b>                  | Acrylic   |
| <b>Thickness of Foil</b>         | 56 µm   |
| <b>Chem. Material Properties</b> | Resistant to oils, water and solvents               |
| <b>Recommended Ribbon Type</b>   | TT822OUT  |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030                                       |



| TYPE             | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont.  | Colour     | Article-No. |
|------------------|-----------|------------|---------------------|----------------|-------------|------------|-------------|
| TAG71TD6-1208-WH | 12.7      | 11.1       | 101.6               | 6 pcs.         | 15,000 pcs. | White (WH) | 596-20871   |
| TAG15TD3-1208-WH | 25.4      | 12.7       | 85.1                | 3 pcs.         | 7,500 pcs.  | White (WH) | 596-12080   |
| TAG27TD2-1208-WH | 38.1      | 19.1       | 85.1                | 2 pcs.         | 2,500 pcs.  | White (WH) | 596-12082   |
| TAG67TD2-1208-WH | 38.1      | 31.8       | 85.1                | 2 pcs.         | 2,500 pcs.  | White (WH) | 596-12087   |
| TAG69TD2-1208-WH | 40.6      | 22.9       | 89.0                | 2 pcs.         | 2,500 pcs.  | White (WH) | 596-12089   |
| TAG73TD1-1208-WH | 50.8      | 25.4       | 55.0                | 1 pc.          | 2,000 pcs.  | White (WH) | 596-31208   |
| TAG66TD1-1208-WH | 50.8      | 36.5       | 56.8                | 1 pc.          | 1,000 pcs.  | White (WH) | 596-12086   |

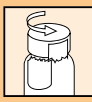
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



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### Tamper-evident security labelling, thermal transfer

#### Helatag 1251, 2 parts

These labels are primarily used for tamper-proof type label applications in the automotive and electrical industries.

They are ideally suited for labelling flat surfaces, e.g. on vehicle frames and can be used as a replacement for conventional aluminium plates.

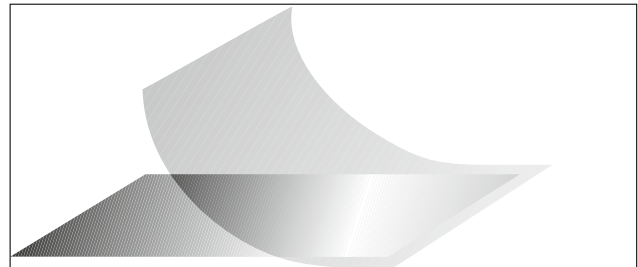
The transparent protective laminate guarantees good resistance to dirt and abrasion and can be easily applied by hand.

#### Features and benefits

- 2-part label, delivered on reel together with the protective label
- Designed for highly visible and rugged identification on trucks and trailers
- Tamper-evident, when pulled off a checkered pattern will be visible as evident
- High durability in outside use
- Meets requirements of the KBA (Kraftfahrtbundesamt [German Federal Motor Transport Authority])
- Particularly suitable as type label for vehicles



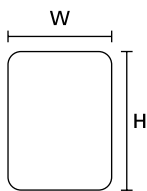
Type plate of an HGV trailer with protective laminate.



The printed silver type plate (Mat. 951A) is protected by the transparent laminate (Mat. 951B).

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 1251, Polyester, silver and Polyester, transparent (1251)                                   |
| <b>Operating Temperature</b>     | -40 °C to +150 °C  |
| <b>Curing Temperature</b>        | from 0 °C (label), from +4 °C (laminate)   |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 63 µm, 35 µm   |
| <b>Chem. Material Properties</b> | Resistant to gasoline, mineral oils, greases, aliphatic solvents, weak acids, salts and alkalis. |
| <b>Recommended Ribbon Type</b>   | TT822OUT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030  |

RoHS

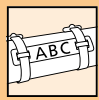


| TYPE                      | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont. | Colour                        | Article-No. |
|---------------------------|-----------|------------|---------------------|----------------|------------|-------------------------------|-------------|
| <b>TAG50.8-25.4T1-SET</b> | 50.8      | 25.4       | 56.8                | 1 pc.          | 1,000      | Silver (SR), Transparent (CL) | 596-90001   |
| <b>TAG63.5-50.8T1-SET</b> | 63.5      | 50.8       | 69.5                | 1 pc.          | 500        | Silver (SR), Transparent (CL) | 596-90002   |
| <b>TAG101-74T1-SET</b>    | 101.6     | 74.0       | 107.0               | 1 pc.          | 250        | Silver (SR), Transparent (CL) | 596-90003   |
| <b>TAG101-160T1-SET</b>   | 101.6     | 160.0      | 105.8               | 1 pc.          | 250        | Silver (SR), Transparent (CL) | 596-90000   |

All dimensions in mm. Subject to technical changes.

Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.





### Stainless steel embossing system

#### M-BOSS Compact

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 and only needs a standard electrical supply and a PC. Texts are created with TagPrint Pro 4.0. Simply open the easy to use program to create print lists. Improved cooling system now ensures a continuous operation between 8-10 hours. Marker plates are attached to pipes and cables using 4.6 mm width MBT cable ties and a MK9SST hand tool.

#### Features and benefits

- Small and easy to use metal plate embosser
- Quiet embossing mechanism suited to production and office environments
- Embossed characters have been tested to withstand 1.5 million strikes each
- Improved cooling systems allows 8-10 hours continuous printing
- Use Tagprint Pro labelling software with pre-loaded templates to simplify print jobs
- 42 piece character set as standard - can be upgraded to 60 characters
- Letters: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
- Numbers: 0 1 2 3 4 5 6 7 8 9
- Symbols: & - / . , '
  - Other symbols available on request



A quiet, durable, and easy to use metal plate embossing printer.

|                             |                                 |
|-----------------------------|---------------------------------|
| <b>Print Method</b>         | Embossing                       |
| <b>Power Supply</b>         | AC 110V-240V, 45/65 Hz, 1.5A-3A |
| <b>Cycle Time</b>           | < 1 second per character        |
| <b>Interfaces</b>           | USB 2.0                         |
| <b>System Requirements</b>  | Win 7, 8, 10                    |
| <b>Dimensions W x H x D</b> | 480 mm x 353 mm x 570 mm        |
| <b>Weight</b>               | 41.0 kg                         |



**For problem-free printing we recommend TagPrint Pro, page 526.**

**RoHS** ✓

| TYPE           | Article-No. |
|----------------|-------------|
| M-BOSS Compact | 544-20000   |

Subject to technical changes.



**1.5 million strikes per character without maintenance**

#### M-BOSS Compact including Organiser

The M-BOSS Compact with included Organiser system gives the added advantage of a self-contained storage system within the print unit.

The organiser is a 10 container carousel storage system that can be programmed to hold either an individual or a pre-defined set of marker plates. This means that users have the flexibility to manage how they work with the printed output. A simple input screen on the top of the machine is used to specify the quantity per container within the carousel. The carousel drawer when opened extends 430 mm from the front of the printer.

#### Features and benefits

- Ability to manage how the printed marker plates are organised
- Carousel system under the printer has 10 removable marker plate containers
- Flexible output means all marker plates or a set amount can be sent to each container
- Carousel system will hold up to 400 markers
- Each container can hold 40 marker plates



A simple solution to managing your printer output.

| TYPE                     | Article-No. |
|--------------------------|-------------|
| M-BOSS Compact Organiser | 544-21000   |

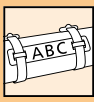
Subject to technical changes.



For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!  
[www.HT.click/49-523](http://www.HT.click/49-523)



### Stainless Steel Printing System

#### M-BOSS Compact Markers

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

The raised surface of the embossed print ensures that the text remains visible even with dirt, grease, and paint cover the marker. The physical characteristics of the metal and the height of the embossed mark allows users to apply a stiff or metallic brush to the surface and remove excess layers of paint or grease without damaging the integrity of the text.

#### 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 4.6 mm strap width
- Apply ties with a MK9SST



Identification for hazardous environments: M-BOSS Compact stainless steel markers.

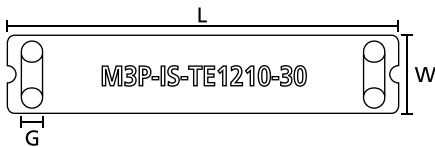


[www.HellermannTyton.co.uk/M-BOSS-cat22](http://www.HellermannTyton.co.uk/M-BOSS-cat22)

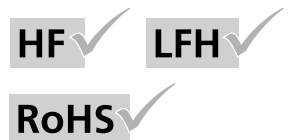


A range of metal plate sizes to suit your needs.

|                              |                         |
|------------------------------|-------------------------|
| <b>MATERIAL</b>              | Stainless Steel (SS316) |
| <b>Operating Temperature</b> | -80 °C to +538 °C       |



MBML



| TYPE      | Strap Width max. (G) | Number of lines | Characters per line | Number of characters | Width (W) | Length (L) | Pack Cont. | Article-No. |
|-----------|----------------------|-----------------|---------------------|----------------------|-----------|------------|------------|-------------|
| MBML10X45 | 4.6                  | 1               | 8                   | 8                    | 10.0      | 44.5       | 1,000 pcs. | 544-80101   |
| MBML10X90 | 4.6                  | 1               | 23                  | 23                   | 10.0      | 89.5       | 500 pcs.   | 544-80102   |
| MBML20X45 | 4.6                  | 3               | 8                   | 24                   | 20.0      | 44.5       | 1,000 pcs. | 544-80201   |
| MBML20X90 | 4.6                  | 3               | 23                  | 69                   | 20.0      | 89.5       | 500 pcs.   | 544-80202   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.







### Protective Laminates, thermal transfer

#### Helatag 323, high temperature

Protective laminates are used for the additional protection of printed type labels, for example in the automotive sector and for other outdoor installations. The protective laminates are also used if the contours of a label, for example on glass surfaces or backlit objects, should not be visible (no-label look).

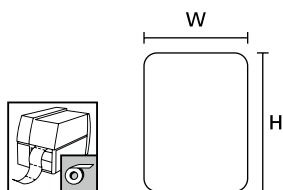
#### Features and benefits

- High temperature transparent material
- Ideal as a protective laminate or as a printed label
- The barrier label needs to overlap the covered label
- Survives 5 years external weathering in central European climate
- Provides additional protection against chemicals for the underlying label



Helatag protective laminates.

|                                  |  |
|----------------------------------|--|
| <b>MATERIAL</b>                  | Type 323, Polyvinylidene Fluoride, transparent (323)   |
| <b>Operating Temperature</b>     | -40 °C to +140 °C  |
| <b>Curing Temperature</b>        | from +10 °C  |
| <b>Adhesive</b>                  | Acrylic  |
| <b>Thickness of Foil</b>         | 25 µm  |
| <b>Chem. Material Properties</b> | Excellent resistance against water, UV radiation, weather influence and solvents based on petroleum. |
| <b>Recommended Ribbon Type</b>   | TT822OUT   |
| <b>Thermal Transfer Printer</b>  | TT431, TT4030  |



| TYPE                     | Width (W) | Height (H) | Width of Liner (WL) | Labels per Row | Pack Cont. | Colour           | Article-No. |
|--------------------------|-----------|------------|---------------------|----------------|------------|------------------|-------------|
| <b>TAG0638TL2-323-CL</b> | 43.2      | 11.4       | 94.9                | 2 pcs.         | 5,000 pcs. | Transparent (CL) | 596-38321   |
| <b>TAG1351TL1-323-CL</b> | 55.9      | 17.8       | 62.0                | 1 pc.          | 2,000 pcs. | Transparent (CL) | 596-51321   |
| <b>TAG2551TL1-323-CL</b> | 55.9      | 30.5       | 62.0                | 1 pc.          | 1,000 pcs. | Transparent (CL) | 596-52321   |
| <b>TAG3863TL1-323-CL</b> | 68.6      | 43.2       | 75.0                | 1 pc.          | 1,000 pcs. | Transparent (CL) | 596-63321   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.

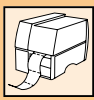


For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!  
[www.HT.click/49-525](http://www.HT.click/49-525)





### Labelling software

#### TagPrint Pro 4.0

TagPrint Pro 4.0 is the easy-to-use label/marker design and printing software in the HellermannTyton printing world. Compatible with Windows® 7, 8.1 and 10, TagPrint Pro 4.0 delivers an individualised, task-based experience that enables a user to easily develop print templates including bar codes, text and graphics to meet numerous applications. TagPrint Pro 4.0 streamlines labeling production by offering a user full control over the importing or entering of data, advanced security features, the option to group label designs under a single file name or job number, and the ability to batch print to either one or more printers at the same time.

#### Features and benefits

- TagPrint Pro 4.0 runs on Windows 7, 8.1 and 10, allowing full compatibility and error-free operation with the most widely used systems
- Print automation allows one-step printing of label jobs – even multi-label groups – to one or more printers simultaneously
- Visual preview allows users to see label designs before opening them
- Single-user and network-user versions accommodate the needs of any size operation
- Select saved labels visually or by part number
- Convert existing XMT files to the TagPrint data table
- Allows devmode printing to the TT4030 thermal transfer printer, for the ultimate in printer control
- Includes pre-saved designs for all common ANSI/OSHA compliant safety labels and pre-made solar installation labels



*The easy to use software speeds up production of markers, labels and identification tags.*

|                            |   |
|----------------------------|---|
| <b>System Requirements</b> | PC running Microsoft Windows XP SP3, Vista SP1 or later, Windows 7 .NET Framework 4, Windows 8<br>512 MB RAM (XP SP3)<br>1.0 GB RAM (Vista/Windows 7/Windows 8)<br>500 MB available hard disk space |
|----------------------------|---|

**RoHS** ✓

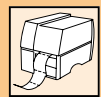
| TYPE                | Article-No. |
|---------------------|-------------|
| TagPrintPro4.0-EMEA | 556-00059   |

Subject to technical changes.



[www.HellermannTyton.co.uk/TagPrint-cat22](http://www.HellermannTyton.co.uk/TagPrint-cat22)





### Thermal transfer printer

#### TT431, Small to medium volume printing

The TT431 thermal transfer printer is perfect for printing on HellermannTyton materials such as self-adhesive labels, shrinkable tubing and identification tags. Thanks to its low weight and compact construction, the TT431 integrates seamlessly into any workstation. It is easy to use due to its intuitive colour LCD touch display and clear status messages which can be shown in multiple languages. The optional cutter and perforator make this printer ideal for a wide range of applications. 300 dpi resolution ensures that barcodes, warning symbols, logos and text are as sharp as they can be.

#### Features and benefits

- Small to medium volume single sided printing
- Print on HellermannTyton cable markers and labels
- Uses standard ribbons
- Barcodes: standard and 2D
- Print speed up to 150 mm/s
- Adjustable label sensor
- Multiple language selection
- Windows drivers: 32/64 Bit Windows Vista, 7, 8, 10, Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019



TT431 thermal transfer printer designed for ease of operation.

|                                    |  |
|------------------------------------|--|
| <b>Print Method</b>                | Thermal transfer printing              |
| <b>Print Head Type</b>             | 300 dpi, flat type                     |
| <b>Print Speed</b>                 | up to 150 mm/s                         |
| <b>Max. Print Width</b>            | 105.70 mm                              |
| <b>Label Height Max (metric)</b>   | 4,000 mm                               |
| <b>Interfaces</b>                  | USB 2.0, Ethernet 10/100 Base T, RS232 |
| <b>Supported Barcodes, Printer</b> | Standard and 2D                        |
| <b>Printer Memory</b>              | 256 MB RAM                             |
| <b>Dimensions W x H x D</b>        | 253 mm x 189 mm x 322 mm               |
| <b>Weight</b>                      | 4.0 kg                                 |



[www.HellermannTyton.co.uk/TT431-cat22](http://www.HellermannTyton.co.uk/TT431-cat22)



| TYPE  | Article-No. |
|-------|-------------|
| TT431 | 556-00400   |

All dimensions in mm. Subject to technical changes.

| TYPE                         | Description                  | Article-No. |
|------------------------------|------------------------------|-------------|
| TT430/TT431 300dpi Printhead | Printhead for TT430/TT431    | 556-00453   |
| TT430/TT431 Print Roller     | Print Roller for TT430/TT431 | 556-00454   |
| S430 Cutter                  | Cutter for TT430/TT431       | 556-00452   |
| P430 Perforator              | Perforator for TT430/TT431   | 556-00456   |
| TT External Reel Holder      | External Reel Holder         | 556-00451   |

Subject to technical changes.



For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-527](http://www.HT.click/49-527)





### Thermal transfer printer

#### TT4030, High volume printing

HellermannTyton's premium printer TT4030 is specifically designed for medium and heavy duty industrial applications. The 300 dpi print head fulfils all standard requirements for printing bar codes, warning signs, logos and written information. Optional premium quality accessories such as a perforator and cutter are designed to work seamlessly with the printer and will suit the most demanding needs.

Printing high definition graphics such as 2d barcodes, standard bar codes, numbers and text on adhesive labels, thermo plastics such as heat shrink and cable markers (Tiptags) is easily done.

A colour LCD Touchscreen with modern user interface helps intuitive operation.

Creation of professional looking industrial identification is simplified by the use of HellermannTyton's label creation software TagPrint Pro.

Whether in stand-alone mode, as a PC application or in a network - the robust TT4030 printers can meet every requirement.

#### Features and benefits

- High volume single sided printing
- Print on HellermannTyton heatshrink tubing, cable markers and labels
- Uses standard 300 m ribbons
- Barcodes: standard and 2D
- Print speed up to 300 mm/s (30 mm/s recommended for ladder style products and tubing)
- Multiple language selection
- Windows drivers: 32 / 64 bit for Windows XP, Windows Vista, Windows 7, 8, 10



TT4030 thermal transfer printer for high volumes.

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

RoHS

| TYPE   | Article-No. |
|--------|-------------|
| TT4030 | 556-04037   |

Subject to technical changes.



[www.HellermannTyton.co.uk/TT4030-cat22](http://www.HellermannTyton.co.uk/TT4030-cat22)

| TYPE                                 | Description                       | Article-No. |
|--------------------------------------|-----------------------------------|-------------|
| <b>TT4030 Printhead</b>              | Printhead for TT4030              | 556-04041   |
| <b>Printer Roller TT4030/TT4000+</b> | Printer Roller for TT4030/TT4000+ | 556-04005   |
| <b>S4030 Cutter</b>                  | S4030 Cutter for TT4030           | 556-04050   |
| <b>P4030 Perforator</b>              | Perforator for TT4030             | 556-04051   |
| <b>TT External Reel Holder</b>       | External Reel Holder              | 556-00451   |

Subject to technical changes.

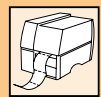


For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-528](http://www.HT.click/49-528)



### Thermal transfer printer

#### TrakMark DS, Double Sided

The TrakMark DS is a high-performance printer for double-sided printing. This printer is perfect for double-sided printing on HellermannTyton shrinkable tubing. With two print heads mounted one on top of the other, the TrakMark DS prints onto both sides of the material at the same time. High reliability and multiple peripherals enable applications and solutions tailored to specific customer requirements. It is easy to use thanks to its display and clear status messages which can be shown in multiple languages. 300 dpi resolution ensures that barcodes, warning symbols, logos and text are as sharp as they can be.

#### Features and benefits

- High volume double sided printing
- Prints perfectly on HellermannTyton heat shrink ladder style products
- Uses standard 300 m ribbons
- Barcodes: standard and 2D
- Print speed up to 125 mm/s (30 mm/s recommended for ladder style products and tubing)
- Multiple language selection
- Windows drivers: 32/64 bit for Windows XP, Windows Vista, Windows 7, 8, 10



TrakMark DS printer – for double sided printing.

|                                    |  |
|------------------------------------|--|
| <b>Print Method</b>                | Thermal transfer printing                |
| <b>Print Head Type</b>             | 300 dpi, flat type                       |
| <b>Print Speed</b>                 | 30, 40, 50, 75, 100, 125 mm/s            |
| <b>Max. Print Width</b>            | 105.6 mm                                 |
| <b>Label Height Max (metric)</b>   | 2,000 mm                                 |
| <b>Interfaces</b>                  | RS232 C, USB 2.0, Ethernet 10/100 Base T |
| <b>Supported Barcodes, Printer</b> | Standard, 2D                             |
| <b>Printer Memory</b>              | 64 MB RAM                                |
| <b>Dimensions W x H x D</b>        | 248 mm x 395 mm x 554 mm                 |
| <b>Weight</b>                      | 21.0 kg                                  |



[www.HellermannTyton.co.uk/TrakMark-cat22](http://www.HellermannTyton.co.uk/TrakMark-cat22)



| TYPE        | Article-No. |
|-------------|-------------|
| TrakMark DS | 556-05000   |

Subject to technical changes.

| TYPE                    | Description                              | Article-No. |
|-------------------------|--|-------------|
| S4000 Cutter            | S4000 Cutter for TT4000+ and TrakMark DS | 556-04025   |
| P4000 Perforator        | Perforator for TT4000+ and TrakMark DS   | 556-04024   |
| TT External Reel Holder | External Reel Holder                     | 556-00451   |

Subject to technical changes.



For product specific approvals and specifications please refer to the Appendix.



Add items to your watchlist!

[www.HT.click/49-529](http://www.HT.click/49-529)



### Selection matrix: materials and ribbons

Use this selection matrix to find the right combination of material and ribbon to suit your application.

| Material<br>(Page)   | TT ribbon | Resistance to |              |                    |                 |                    |         |          | Market (suggested) |            |             |                  |          |                 |      |
|--|-----------|---------------|--------------|--------------------|-----------------|--------------------|---------|----------|--------------------|------------|-------------|------------------|----------|-----------------|------|
|  |           | Smudgeproof   | Scratchproof | Partly smudgeproof | Oils / benzenes | Alcoholic solvents | Etching | Approved | Aerospace          | Automotive | Electronics | Machine Building | Military | Process Control | Rail |
| 1232 (478)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | —        | —                  | —          | ●           | ●                | —        | ●               | —    |
| 323 (525), 1209 (476)  | TT932DOUT | ●             | —            | —                  | —               | —                  | —       | —        | —                  | —          | ●           | ●                | —        | ●               | —    |
| 1206 (508)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | ●        | —                  | —          | ●           | ●                | —        | ●               | —    |
| 1251 (522)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | ●        | —                  | ●          | ●           | ●                | —        | —               | —    |
| 880 (500)  | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | —        | —                  | —          | —           | ●                | —        | ●               | —    |
| 892 (497)  | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | —        | —                  | —          | —           | ●                | —        | ●               | —    |
| 1203 (520)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | ●        | —                  | —          | ●           | ●                | —        | ●               | —    |
| 1204 (507)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | ●        | —                  | ●          | ●           | ●                | —        | ●               | —    |
| 1208 (521)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | —        | —                  | —          | ●           | —                | —        | —               | —    |
| 1211 (500)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | —        | —                  | —          | —           | ●                | —        | ●               | —    |
| 1213 (513)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | —        | —                  | —          | —           | ●                | —        | ●               | —    |
| 1216 (501)   | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | —        | —                  | —          | ●           | —                | —        | —               | —    |
| 1220 (505), 1221 (506)   | TT122OUT  | ●             | ●            | —                  | ●               | ●                  | —       | —        | —                  | —          | ●           | ●                | —        | ●               | —    |
|  | TT822OUT  | ●             | ●            | —                  | ●               | —                  | —       | —        | —                  | —          | ●           | ●                | —        | ●               | —    |
| TCGT (459),<br>TULT (461)  | TT822OUT8 | —             | —            | ●                  | —               | —                  | —       | —        | ●                  | —          | ●           | ●                | ●        | ●               | —    |
|  | TTDTHOUT  | ●             | ●            | —                  | ●               | ●                  | —       | —        | ●                  | ●          | ●           | ●                | ●        | ●               | —    |
|  | TTRC+     | ●             | ●            | —                  | ●               | ●                  | ●       | —        | ●                  | —          | —           | ●                | ●        | ●               | —    |
|  | TTRW      | —             | —            | ●                  | —               | —                  | —       | —        | ●                  | —          | ●           | ●                | ●        | ●               | —    |
| TULT DS (463)  | TTDTHOUT  | ●             | ●            | —                  | ●               | ●                  | —       | —        | ●                  | ●          | ●           | ●                | ●        | ●               | —    |
| TLFX (465), TLFX DS (467),<br>TLFD DS (469), TAGLF (475),<br>TIPTAG HF (471) | TTDTHOUT  | ●             | ●            | —                  | ●               | ●                  | —       | —        | —                  | —          | —           | ●                | —        | —               | ●    |
| TAGPU (474)  | TTRHT     | ●             | ●            | —                  | ●               | ●                  | —       | —        | —                  | —          | ●           | ●                | —        | ●               | —    |
| TIPTAG PU (472)  | TTRC+     | ●             | ●            | —                  | ●               | ●                  | ●       | —        | —                  | —          | ●           | ●                | —        | ●               | —    |

● yes  
— no



## Thermal transfer ribbons for

### Adhesive Labels

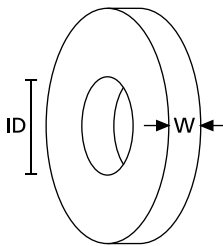
The thermal transfer print technology is based on heating up certain dots in the print head. This transfers the ink very precisely from the ribbon onto the surface of the printed material. All HellermannTyton ribbons consist of a special resin composition to maximise print performance. In combination with HellermannTyton printers the ribbons ensure the highest of print quality on all HellermannTyton thermal printable identification materials.

### Features and benefits

- Thermal transfer ribbons for highest quality and performance of printed labels
- Ribbons are specifically designed to maximise print performance for the recommended material



Ribbons for printing on adhesive labels.



**ID:** The standard inside core diameter is 25.4 mm.

| TYPE                   | Recommended Material  | Colour      | Width (W) | Reel Length | Article-No. |
|------------------------|---|-------------|-----------|-------------|-------------|
| <b>TT822OUT 60MM</b>   | 323/823/880/892/1203/1204/1206/1208/1210/1211/1213/1216/1220/1221/1232/1251 | Black (BK)  | 60.0      | 300 m       | 556-00111   |
| <b>TT822OUT 110MM</b>  | 323/823/880/892/1203/1204/1206/1208/1210/1211/1213/1216/1220/1221/1232/1251 | Black (BK)  | 110.0     | 300 m       | 556-00101   |
| <b>TT932DOUT 85MM</b>  | 323/1209  | Black (BK)  | 85.0      | 300 m       | 556-00117   |
| <b>TT932DOUT 110MM</b> | 323/1209  | Black (BK)  | 110.0     | 300 m       | 556-00118   |
| <b>TT122OUT 60MM</b>   | 1220/1221   | Black (BK)  | 60.0      | 300 m       | 556-00060   |
| <b>TT122OUT 110MM</b>  | 1220/1221   | Black (BK)  | 110.0     | 300 m       | 556-00061   |
| <b>TTRR 110</b>        | Labels/1220/1221  | Red (RD)    | 110.0     | 300 m       | 556-00208   |
| <b>TT822OUT8 110MM</b> | TCGT/TULT   | Silver (SR) | 110.0     | 300 m       | 556-00161   |

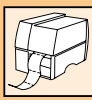
All dimensions in mm. Subject to technical changes.



Add items to your watchlist!

[www.HT.click/49-531](http://www.HT.click/49-531)





## Thermal printer ribbons for

### Heatshrink and Tiptags

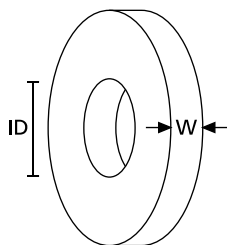
The thermal transfer print technology is based on heating up certain dots in the print head. This transfers the ink very precisely from the ribbon onto the surface of the printed material. All HellermannTyton ribbons consist of a special resin composition to maximise print performance. In combination with HellermannTyton printers the ribbons ensure the highest of print quality on all HellermannTyton thermal printable identification materials.

#### Features and benefits

- Thermal transfer ribbons for high quality print results on heat shrink tubing and Tiptag identification tags
- Ribbons are specifically designed to maximize print performance for the recommended material



Ribbons for printing on tubes and Tiptags.



**ID: The standard inside core diameter is 25.4 mm.**

| TYPE            | Recommended Material       | Colour      | Width (W) | Reel Length | Article-No. |
|-----------------|----------------------------|-------------|-----------|-------------|-------------|
| TTRHTBK 70MM    | TAGPU                      | Black (BK)  | 70.0      | 300 m       | 556-00204   |
| TTRHTBK 100MM   | TAGPU                      | Black (BK)  | 100.0     | 300 m       | 556-00210   |
| TTRHTWH 70MM    | TAGPU                      | White (WH)  | 70.0      | 300 m       | 556-00209   |
| TTRHTWH 100MM   | TAGPU                      | White (WH)  | 100.0     | 300 m       | 556-00211   |
| TT822OUT8 110MM | TCGT/TULT                  | Silver (SR) | 110.0     | 300 m       | 556-00161   |
| TTDTHOUT 40MM   | TCGT/TULT/TLFX/TLFD/TIPTAG | Black (BK)  | 40.0      | 300 m       | 556-00139   |
| TTDTHOUT 60MM   | TCGT/TULT/TLFX/TLFD/TIPTAG | Black (BK)  | 60.0      | 300 m       | 556-00140   |
| TTDTHOUT 100MM  | TCGT/TULT/TLFX/TLFD/TIPTAG | Black (BK)  | 100.0     | 300 m       | 556-00141   |
| TTRW 30MM       | TCGT/TULT/TTAGMC           | White (WH)  | 30.0      | 300 m       | 556-00125   |
| TTRW 60MM       | TCGT/TULT/TTAGMC           | White (WH)  | 60.0      | 300 m       | 556-00137   |
| TTRC+ 30MM      | TIPTAG PU/TAGPU            | Black (BK)  | 30.0      | 300 m       | 556-00114   |
| TTRC+ 60MM      | TIPTAG PU/TAGPU            | Black (BK)  | 60.0      | 300 m       | 556-00115   |
| TTRC+ 100MM     | TIPTAG PU/TAGPU            | Black (BK)  | 100.0     | 300 m       | 556-00103   |

All dimensions in mm. Subject to technical changes.





## Hit the road with the CPK hybrid

The new CPK hybrid offers full flexibility for automated cable tying: Use cordless design when far away from power source (e.g. solar fields or other) or corded design when working in factory environment. With the new CPK hybrid, binding takes just 0.65 seconds at maximum speed. The long lasting batteries have a fast charging time and at least 8,000 bindings per battery charge. More information here:

[www.HellermannTyton.co.uk/hybrid](http://www.HellermannTyton.co.uk/hybrid)

## MADE FOR REAL

