



Automatic identification and data capture

Enabling real automation through digitalised identification (Auto-ID)



## At the centre of smart identification

Industry 4.0 has been predicted to be the future of productivity and growth in manufacturing industries. The identification of products, goods, pallets, transported material forms an inherent foundation for technological process automation.

Automated identification (Auto-ID) is at the centre of this technological advancement as it enables accurate, timely and unique information about a specific item to be stored, retrieved, localized and communicated. HellermannTyton has been offering an extensive range of products that can be integrated into corresponding systems.

From printable **labels for barcodes**, corresponding **printing systems** to **full RFID solutions** – HellermannTyton is your trusted partner when it comes to smart identification solutions for your business. Contact us!

MADE FOR REAL<sup>®</sup>  
Smart & secure  
identification  
solutions



#### Variety of printable materials

- Comprehensive portfolio of printable labels and markers for unique identification with QR & barcodes codes



#### Wide range of smart markers and labels

- Large variety of printable RFID transponder portfolio as well as preprinted hard tags or RFID cable ties



#### Thermal transfer printer range

- From small to large volume printing for industrial and smart marking
- TT printer range will cover most application needs



#### Intuitive label design software

- Build your label design from a template or from scratch with Wizards
- Easily manipulate bar codes, text and graphics
- Multiple Excel functionalities



MADE FOR REAL   
Smart & secure  
identification  
solutions



Plain labels  
**Page 6**



Smart labels and RFID products  
**Page 24**



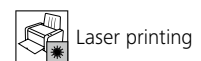
TT printing system products  
**Page 40**



Thermal transfer printing



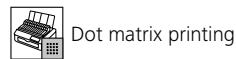
Thermal printing process



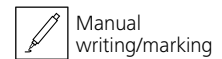
Laser printing



Laser beam



Dot matrix printing



Manual writing/markings

## Marker tags, ties, labels and sleeves. Discover our fully comprehensive ID product portfolio.

Auto-ID solutions supported by cable management products with integrated RFID technology are part of a much bigger picture. Check out the main HellermannTyton Product Catalogue for an overview of all the additional industrial identification options we offer you.



[www.HellermannTyton.com/id](http://www.HellermannTyton.com/id)

## MADE FOR REAL

HellermannTyton  
Catalogue

## Would you like to add products directly to your watchlist?

- Click on the **URL** or **scan the QR code** at the **bottom** of each **product page** in this **PDF**.
- **Choose** interesting **products** and **add** them **directly to My watchlist**.
- **Save** these **favourites** for later visits, **download** them as Excel list, **add** desired **quantities** and **request** a **quote**.

**1.1 Cable Ties and Fixings**  
Cable ties, inside serrated

**Cable ties for outdoor use (UV-resistant)**  
Series in **HEXLOCK** lock

These series serrated cable ties are made of UV-resistant Polyamide 6.6 (PA66/PA66) and thus suitable for outdoor applications. UV resistant cable ties and fixings resistant to a crosshatching degree resistant to chemical attack. They can easily be used for bundling and securing cables, pipes and hoses especially in outdoor areas.

**Features and benefits:**

- UV-resistant cable ties are available in a wide range of sizes
- Made from 100% high quality plastic, allows for good recycling
- Made available for a strong hold on bundles
- Easy application either manually or with a preforming tool
- Simple to install due to built-in



Material specifications please see page 22.

TYPE	Width (mm)	Length (mm)	Number of strands	Ø (mm)	Material	Colour	Pack Edge	Tools	HTS/HTL
T1000	2.5	100.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.44	111-01980
T1100	2.5	125.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.44	111-02180
T1200	2.5	150.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.47	111-02380
T1300	2.5	175.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-02580
T1400	2.5	200.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-02780
T1500	2.5	225.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-02980
T1600	2.5	250.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-03180
T1700	2.5	275.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-03380
T1800	2.5	300.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-03580
T1900	2.5	325.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-03780
T2000	2.5	350.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-03980
T2100	2.5	375.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-04180
T2200	2.5	400.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-04380
T2300	2.5	425.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-04580
T2400	2.5	450.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-04780
T2500	2.5	475.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-04980
T2600	2.5	500.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-05180
T2700	2.5	525.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-05380
T2800	2.5	550.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-05580
T2900	2.5	575.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-05780
T3000	2.5	600.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-05980
T3100	2.5	625.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-06180
T3200	2.5	650.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-06380
T3300	2.5	675.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-06580
T3400	2.5	700.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-06780
T3500	2.5	725.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-06980
T3600	2.5	750.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-07180
T3700	2.5	775.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-07380
T3800	2.5	800.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-07580
T3900	2.5	825.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-07780
T4000	2.5	850.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-07980
T4100	2.5	875.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-08180
T4200	2.5	900.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-08380
T4300	2.5	925.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-08580
T4400	2.5	950.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-08780
T4500	2.5	975.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-08980
T4600	2.5	1000.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-09180
T4700	2.5	1025.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-09380
T4800	2.5	1050.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-09580
T4900	2.5	1075.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-09780
T5000	2.5	1100.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-09980
T5100	2.5	1125.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-10180
T5200	2.5	1150.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-10380
T5300	2.5	1175.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-10580
T5400	2.5	1200.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-10780
T5500	2.5	1225.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-10980
T5600	2.5	1250.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-11180
T5700	2.5	1275.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-11380
T5800	2.5	1300.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-11580
T5900	2.5	1325.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-11780
T6000	2.5	1350.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-11980
T6100	2.5	1375.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-12180
T6200	2.5	1400.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-12380
T6300	2.5	1425.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-12580
T6400	2.5	1450.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-12780
T6500	2.5	1475.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-12980
T6600	2.5	1500.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-13180
T6700	2.5	1525.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-13380
T6800	2.5	1550.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-13580
T6900	2.5	1575.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-13780
T7000	2.5	1600.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-13980
T7100	2.5	1625.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-14180
T7200	2.5	1650.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-14380
T7300	2.5	1675.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-14580
T7400	2.5	1700.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-14780
T7500	2.5	1725.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-14980
T7600	2.5	1750.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-15180
T7700	2.5	1775.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-15380
T7800	2.5	1800.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-15580
T7900	2.5	1825.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-15780
T8000	2.5	1850.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-15980
T8100	2.5	1875.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-16180
T8200	2.5	1900.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-16380
T8300	2.5	1925.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-16580
T8400	2.5	1950.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-16780
T8500	2.5	1975.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-16980
T8600	2.5	2000.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-17180
T8700	2.5	2025.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-17380
T8800	2.5	2050.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-17580
T8900	2.5	2075.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-17780
T9000	2.5	2100.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-17980
T9100	2.5	2125.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-18180
T9200	2.5	2150.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-18380
T9300	2.5	2175.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-18580
T9400	2.5	2200.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-18780
T9500	2.5	2225.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-18980
T9600	2.5	2250.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-19180
T9700	2.5	2275.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-19380
T9800	2.5	2300.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-19580
T9900	2.5	2325.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-19780
T10000	2.5	2350.0	12.0	80	PA66/PA66	Black (RAL)	500 pcs	1.49	111-19980

Recommended tools

HTS/HTL

111-01980 111-02180 111-02380 111-02580 111-02780 111-02980 111-03180 111-03380 111-03580 111-03780 111-03980 111-04180 111-04380 111-04580 111-04780 111-04980 111-05180 111-05380 111-05580 111-05780 111-05980 111-06180 111-06380 111-06580 111-06780 111-06980 111-07180 111-07380 111-07580 111-07780 111-07980 111-08180 111-08380 111-08580 111-08780 111-08980 111-09180 111-09380 111-09580 111-09780 111-09980 111-10180 111-10380 111-10580 111-10780 111-10980 111-11180 111-11380 111-11580 111-11780 111-11980 111-12180 111-12380 111-12580 111-12780 111-12980 111-13180 111-13380 111-13580 111-13780 111-13980 111-14180 111-14380 111-14580 111-14780 111-14980 111-15180 111-15380 111-15580 111-15780 111-15980 111-16180 111-16380 111-16580 111-16780 111-16980 111-17180 111-17380 111-17580 111-17780 111-17980 111-18180 111-18380 111-18580 111-18780 111-18980 111-19180 111-19380 111-19580 111-19780 111-19980

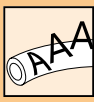
QR code: [www.ht.click/3-34](https://www.ht.click/3-34)

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### Identification tags for cable bundles, thermal transfer

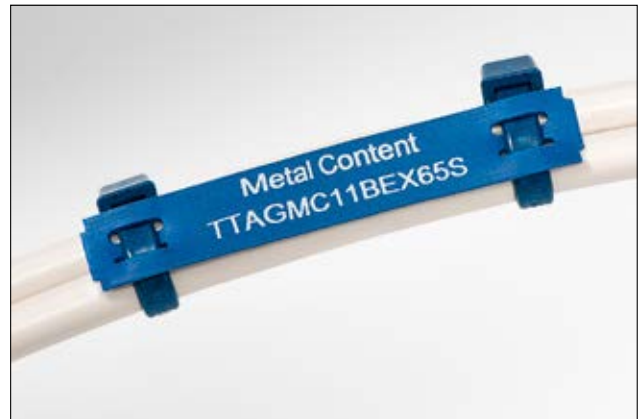
#### TIPTAG MC - Metal Content TipTags

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

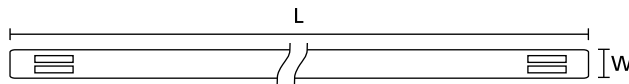


Metal content identification tags TIPTAG MC for a safe and clean production process.

<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.



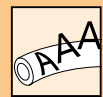
TYPE	Length (L)	Width (W)	Pack Cont.	Colour	Article-No.
TTAGMC11BEX65S	65.0	11.0	190 pcs.	Blue (BU)	556-26500
TTAGMC15BEX65S	65.0	15.0	190 pcs.	Blue (BU)	556-26502
TTAGMC11BEX100S	100.0	11.0	120 pcs.	Blue (BU)	556-26501
TTAGMC15BEX100S	100.0	15.0	120 pcs.	Blue (BU)	556-26503

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.







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

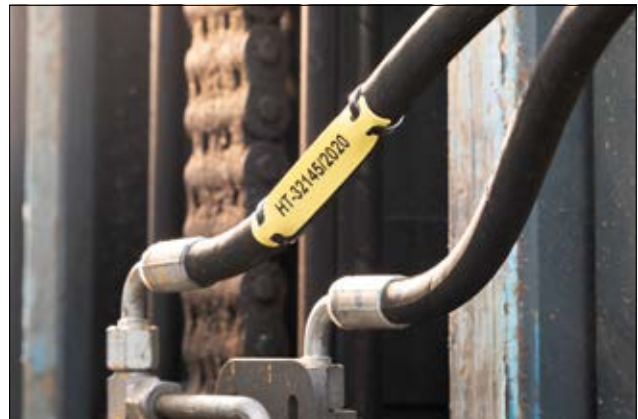
#### TAGPU – UV-stabilised Tiptags

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

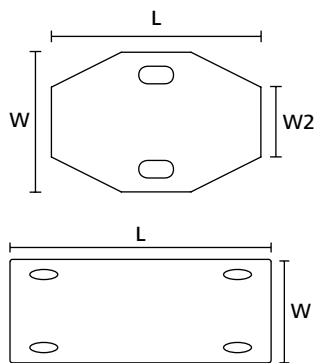
- UV-stabilised
- For larger cables and wires, bundles
- Robust and flexible material
- Thermal transfer or laser beam printable
- Available in white or yellow
- Halogen Free
- Good mechanical strength and highly flexible
- Delivery in convenient storage boxes



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>	TTRC+, TTRHT
<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.	Blue (BU)	556-80553
		51.5	20.4	-	1,000 pcs.	Green (GN)	556-80552
		51.5	20.4	-	1,000 pcs.	Red (RD)	556-80554
		51.5	20.4	-	1,000 pcs.	White (WH)	556-82056
		51.5	20.4	-	1,000 pcs.	Yellow (YE)	556-80543

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.



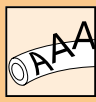
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### Identification tags for cable bundle, "Ladder Style", thermal transfer

#### TAGPU – UV-stabilised Tiptags

TYPE	Drawing	Length (L)	Width (W)	Width (W2)	Pack Cont.	Colour	Article-No.
TAGPU10X51-4		51.5	10.4	-	2,000 pcs.	Blue (BU)	556-80547
		51.5	10.4	-	2,000 pcs.	Green (GN)	556-80546
		51.5	10.4	-	2,000 pcs.	Red (RD)	556-80548
		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.	Blue (BU)	556-80550
		51.5	20.4	-	1,000 pcs.	Green (GN)	556-80549
		51.5	20.4	-	1,000 pcs.	Red (RD)	556-80551
		51.5	20.4	-	1,000 pcs.	White (WH)	556-80530
		51.5	20.4	-	1,000 pcs.	Yellow (YE)	556-80531
TAGPU12X60-4		60.0	11.6	-	1,000 pcs.	Black (BK)	556-80516
		60.0	11.6	-	1,000 pcs.	Blue (BU)	556-80513
		60.0	11.6	-	1,000 pcs.	Brown (BN)	556-80564
		60.0	11.6	-	1,000 pcs.	Green (GN)	556-80566
		60.0	11.6	-	1,000 pcs.	Grey (GY)	556-80565
	60.0	11.6	-	1,000 pcs.	Orange (OG)	556-80567	
	60.0	11.6	-	1,000 pcs.	Pink (PK)	556-80569	
	60.0	11.6	-	1,000 pcs.	Red (RD)	556-80512	
	60.0	11.6	-	1,000 pcs.	Violet (VT)	556-80568	
	60.0	11.6	-	1,000 pcs.	White (WH)	556-80515	
TAGPU15X75-4	75.0	14.4	-	1,000 pcs.	Black (BK)	556-80532	
	75.0	14.4	-	1,000 pcs.	Blue (BU)	556-80518	
	75.0	14.4	-	1,000 pcs.	Brown (BN)	556-80523	
	75.0	14.4	-	1,000 pcs.	Green (GN)	556-80521	
	75.0	14.4	-	1,000 pcs.	Grey (GY)	556-80524	
	75.0	14.4	-	1,000 pcs.	Orange (OG)	556-80522	
	75.0	14.4	-	1,000 pcs.	Pink (PK)	556-80526	
	75.0	14.4	-	1,000 pcs.	Red (RD)	556-80517	
	75.0	14.4	-	1,000 pcs.	Violet (VT)	556-80525	
	75.0	14.4	-	1,000 pcs.	White (WH)	556-80520	
TAGPU20X30-2	30.0	20.0	11.0	1,000 pcs.	Black (BK)	556-80555	
	30.0	20.0	11.0	1,000 pcs.	Blue (BU)	556-80556	
	30.0	20.0	11.0	1,000 pcs.	Brown (BN)	556-80558	
	30.0	20.0	11.0	1,000 pcs.	Green (GN)	556-80560	
	30.0	20.0	11.0	1,000 pcs.	Grey (GY)	556-80559	
	30.0	20.0	11.0	1,000 pcs.	Orange (OG)	556-80561	
	30.0	20.0	11.0	1,000 pcs.	Pink (PK)	556-80563	
	30.0	20.0	11.0	1,000 pcs.	Red (RD)	556-80557	
	30.0	20.0	11.0	1,000 pcs.	Violet (VT)	556-80562	
	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

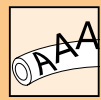
All dimensions in mm. Subject to technical changes.

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



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### Self-laminating labels, thermal transfer

#### Helatag 1209 (White-Transparent)

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.

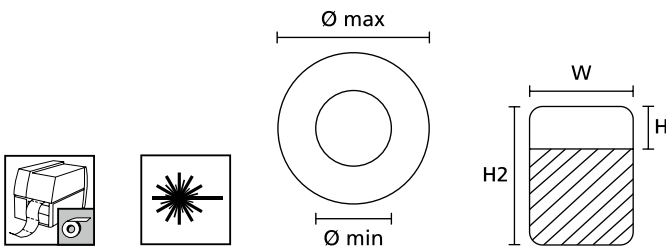
#### Features and benefits

- 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
TAG25TD3-1209-WHCL	4.5	10.0	25.4	12.7	44.5	82.0	3 pcs.	2,500 pcs.	White (WH), Transparent (CL)	596-51209

All dimensions in mm. Subject to technical changes.

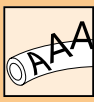
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.



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[www.HT.click/4-11](http://www.HT.click/4-11)





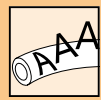
### Self-laminating labels, thermal transfer

#### Helatag 1209 (White-Transparent)

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.
TAG9TD3-1209-WHCL	5.5	12.1	25.4	19.1	57.1	82.0	3 pcs.	2,500 pcs.	White (WH), Transparent (CL)	596-91209
TAG10TD2-1209-WHCL	5.5	12.1	49.5	19.1	57.1	101.6	2 pcs.	1,000 pcs.	White (WH), 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), Transparent (CL)	596-41209
TAG1TD2-1209-WHCL	8.5	18.2	48.2	19.1	79.2	101.6	2 pcs.	1,000 pcs.	White (WH), Transparent (CL)	596-21209
TAG3TD3-1209-WHCL	10.0	22.2	25.4	25.4	95.3	82.0	3 pcs.	1,000 pcs.	White (WH), 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), Transparent (CL)	596-11209
TAG107TD3-1209-WHCL	12.0	37.5	25.4	31.8	149.9	82.0	3 pcs.	1,000 pcs.	White (WH), Transparent (CL)	596-01209
TAG38TD3-1209-WHCL	20.8	47.5	25.4	38.1	187.2	82.0	3 pcs.	1,000 pcs.	White (WH), 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), 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.





### Self-laminating labels, thermal transfer

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

This self-laminating label 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. 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.

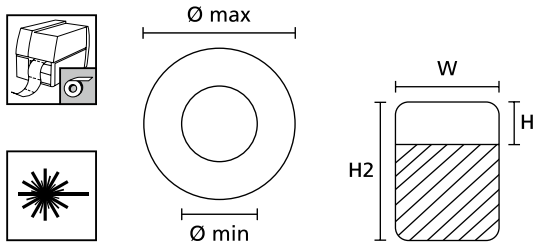
#### Features and benefits

- 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

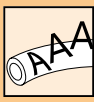
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available. More colours on request.



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### 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.

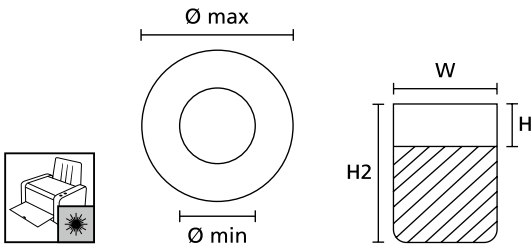
#### Features and benefits

- 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](http://www.HellermannTyton.com) 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.



**Software TagPrint Pro for troublefree printing see page 45.**

**For MS-Windows Word design templates for simple applications please refer to [www.HellermannTyton.com](http://www.HellermannTyton.com) (Media Centre).**

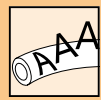
TYPE	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Height (H2)	Labels per Sheet	Pack Cont.	Colour	Article-No.
TAG26LA4-1104-WHCL	1.5	3.0	12.7	9.5	19.1	180 pcs.	5,000 pcs.	White (WH), Transparent (CL)	594-11041
TAG130LA4-1104-WHCL	2.4	4.8	12.7	9.0	24.0	165 pcs.	5,000 pcs.	White (WH), Transparent (CL)	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.



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### 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](http://www.HellermannTyton.com) for those wishing to use MS Word
- Clear protective box to ensure labels stay as good as new



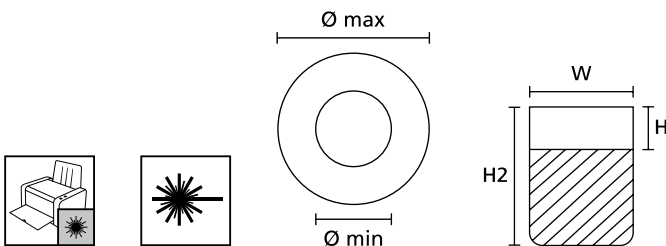
Laminating the mark gives long-term print survivability.

<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 45.**

**For MS-Windows Word design templates for simple applications please refer to [www.HellermannTyton.com](http://www.HellermannTyton.com) (Media Centre).**



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

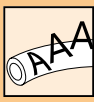
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



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### Identification ties and plates for marking cable bundles

#### IMP and IT 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.

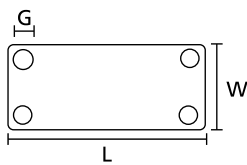
#### Features and benefits

- 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 19.

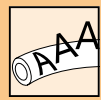
TYPE	Length (L)	Width (W)	Strap Width max. (G)	Pack Cont.	Colour	Recommended Labels	Article-No.
IMP1.5	38.1	19.1	4.8	100 pcs.	White (WH)	TAG18-16TD1	151-42159
IT1	44.0	19.0	4.8	100 pcs.	Natural (NA)	TAG28-16TD1	151-42119
IMP2	50.8	19.3	4.8	100 pcs.	White (WH)	TAG28-16TD1	151-42229
IMP2.5	63.5	19.3	4.8	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.







### 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)

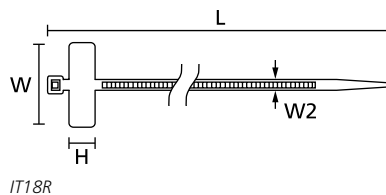
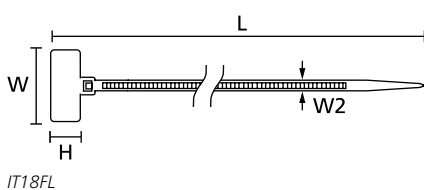


One operation with two user benefits.

<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 19.



TYPE	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Length (L)	Width (W2)	N	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
IT18R	6.0	22.0	25.0	8.0	100.0	2.3	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.



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

#### Recommended Tools

2	3	5	6	8	10	11
MK20	MK21	MK3PNSP2	EVO7	MK7P	EVO9	EVO9HT

For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.



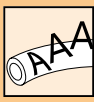
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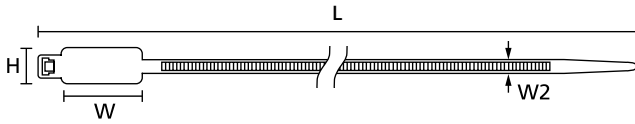
[www.HT.click/4-17](http://www.HT.click/4-17)



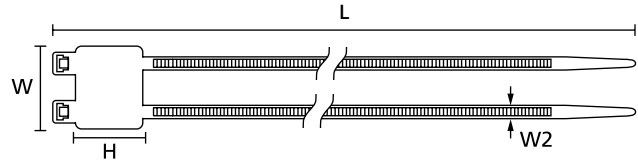


### Identification ties and plates for marking cable bundles

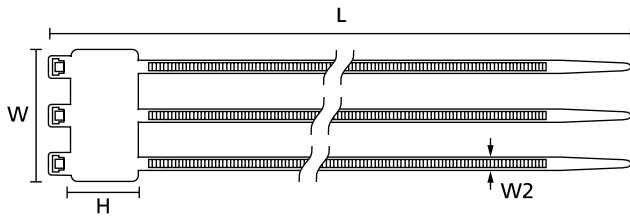
#### IT Ties



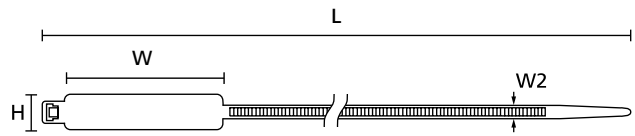
IT50R



IT50RD



IT50RT



IT50L



TYPE	Bundle Ø min.	Bundle Ø max.	Width (W)	Height (H)	Length (L)	Width (W2)	N	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.

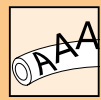
**N** = Minimum Loop Tensile Strength for Cable Ties (newton)

#### Recommended Tools

2	3	5	6	8	10	11
MK20	MK21	MK3PNSP2	EVO7	MK7P	EVO9	EVO9HT

For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.





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

#### Helatag 892 (White)

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.

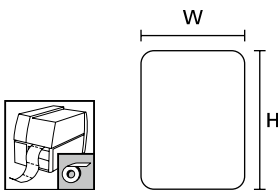
#### Features and benefits

- 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.





### Type label identification, thermal transfer

#### Helatag 1204 (Silver-matt)

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.

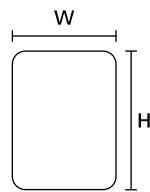
#### Features and benefits

- 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 (MTSR)	596-12071
TAG13TD4-1204-SR	19.1	6.4	101.6	4 pcs.	10,000 pcs.	Silver-matt (MTSR)	596-12043
TAG34TD3-1204-SR	25.4	9.5	85.1	3 pcs.	7,500 pcs.	Silver-matt (MTSR)	596-34120
TAG15TD3-1204-SR	25.4	12.7	85.1	3 pcs.	7,500 pcs.	Silver-matt (MTSR)	596-12045
TAG35TD3-1204-SR	31.8	9.5	101.6	3 pcs.	7,500 pcs.	Silver-matt (MTSR)	596-12035
TAG17TD2-1204-SR	38.1	6.4	85.1	2 pcs.	5,000 pcs.	Silver-matt (MTSR)	596-12047
TAG27TD2-1204-SR	38.1	19.1	85.1	2 pcs.	5,000 pcs.	Silver-matt (MTSR)	596-27120
TAG67TD2-1204-SR	38.1	31.8	85.1	2 pcs.	1,000 pcs.	Silver-matt (MTSR)	596-12067
TAG69TD2-1204-SR	40.6	22.9	89.0	2 pcs.	2,500 pcs.	Silver-matt (MTSR)	596-12069
TAG77TD1-1204-SR	50.8	22.9	55.0	1 pc.	2,000 pcs.	Silver-matt (MTSR)	596-12077
TAG73TD1-1204-SR	50.8	25.4	55.0	1 pc.	2,000 pcs.	Silver-matt (MTSR)	596-73124
TAG66TD1-1204-SR	50.8	36.5	56.8	1 pc.	1,000 pcs.	Silver-matt (MTSR)	596-12066
TAG63TD1-1204-SR	63.5	38.1	70.0	1 pc.	1,000 pcs.	Silver-matt (MTSR)	596-12063
TAG76TD1-1204-SR	63.5	50.8	70.0	1 pc.	500 pcs.	Silver-matt (MTSR)	596-12076
TAG72TD1-1204-SR	69.9	31.8	76.0	1 pc.	1,000 pcs.	Silver-matt (MTSR)	596-12072
TAG65TD1-1204-SR	76.2	36.5	82.0	1 pc.	1,000 pcs.	Silver-matt (MTSR)	596-12065
TAG62TD1-1204-SR	76.2	50.8	82.0	1 pc.	500 pcs.	Silver-matt (MTSR)	596-12062
TAG64TD1-1204-SR	88.9	36.5	95.0	1 pc.	1,000 pcs.	Silver-matt (MTSR)	596-12064
TAG97TD1-1204-SR	101.6	74.0	106.0	1 pc.	500 pcs.	Silver-matt (MTSR)	596-71204
TAG02TD1-1204-SR	104.0	12.0	104.0	1 pc.	5,000 pcs.	Silver-matt (MTSR)	596-21204
TAGR3TD1-1204-SR	104.0	75.0 m	108.0	1 pc.	75.0 m	Silver-matt (MTSR)	596-31204

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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### Asset identification label, thermal transfer

#### Helatag 1206

This white 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
- White colour guarantees a suitable contrast for all barcode scanners to read printed barcodes



Helatag labels for 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



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

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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### Asset identification label, thermal transfer

#### Helatag 1206

TYPE	Width (W)	Height (H)	Width of Liner (WL)	Labels per Row	Pack Cont.	Colour	Article-No.
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.





### 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 3.0 software so label design including barcodes or logos has been made easy even with office printers.

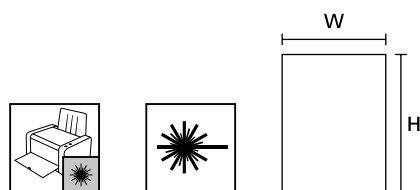
#### Features and benefits

- 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](http://www.HellermannTyton.com) for those wishing to use MS Word
- Clear protective box to ensures 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.



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### Printed circuit board labels (ESD), thermal transfer

#### Helatag 823, PCB labelling

Helatag 823 labels have been designed to fit all areas when it comes to marking components on PCBs. The specially formulated adhesive labels give the highest quality print clarity when printed on thermal transfer printers. 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.

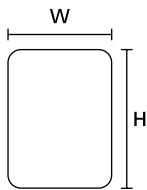
#### Features and benefits

- Labels for printed circuit boards
- Voltage rejecting adhesive properties
- Permanent and durable identification
- For electrostatic sensitive applications



Secure identification of component parts and circuit boards with Helatag.

<b>MATERIAL</b>	Type 823, Polyester, white (823)
<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>	51 µm
<b>Chem. Material Properties</b>	Excellent resistance against alcohol, petrol, solvents, butanol, ethyl- and butylcellosolve solvents, battery acid.
<b>Recommended Ribbon Type</b>	TT822OUT
<b>Thermal Transfer Printer</b>	TT431, TT4030



HF ✓

RoHS ✓

TYPE	Width (W)	Height (H)	Width of Liner (WL)	Labels per Row	Pack Cont.	Colour	Article-No.
TAG16TD3-823-WH	22.9	6.4	80.0	3 pcs.	10,000 pcs.	White gloss (GSWH)	596-16823
TAG61TD3-823-WH	25.4	4.8	89.0	3 pcs.	10,000 pcs.	White gloss (GSWH)	596-61823
TAG29TD3-823-WH	25.4	6.4	89.0	3 pcs.	7,500 pcs.	White gloss (GSWH)	596-29823
TAG34TD3-823-WH	25.4	9.5	85.1	3 pcs.	7,500 pcs.	White gloss (GSWH)	596-34823
TAG35TD3-823-WH	31.8	9.5	101.6	3 pcs.	7,500 pcs.	White gloss (GSWH)	596-35823
TAG17TD2-823-WH	38.1	6.4	85.1	2 pcs.	5,000 pcs.	White gloss (GSWH)	596-17823

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







### Tamper-evident security labelling, thermal transfer

#### Helatag 1203

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.

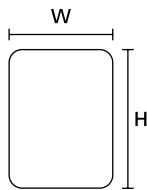
#### Features and benefits

- 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.



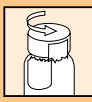
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### Tamper-evident security labelling, thermal transfer

#### 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.

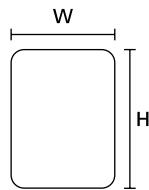
#### Features and benefits

- 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.

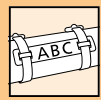
<b>MATERIAL</b>	Type 1208, Acetate foil, white, tamper-proof (1208)
<b>Operating Temperature</b>	-40 °C to +150 °C
<b>Curing Temperature</b>	from +4 °C
<b>Adhesive</b>	Acrylic
<b>Thickness of Foil</b>	56 µm
<b>Chem. Material Properties</b>	Resistant to oils, water and solvents.
<b>Recommended Ribbon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





### Protective laminates, thermal transfer

#### Helatag 323 (Transparent), 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).

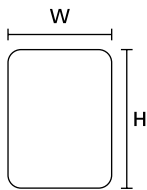
#### Features and benefits

- 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



**RoHS** ✓

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.



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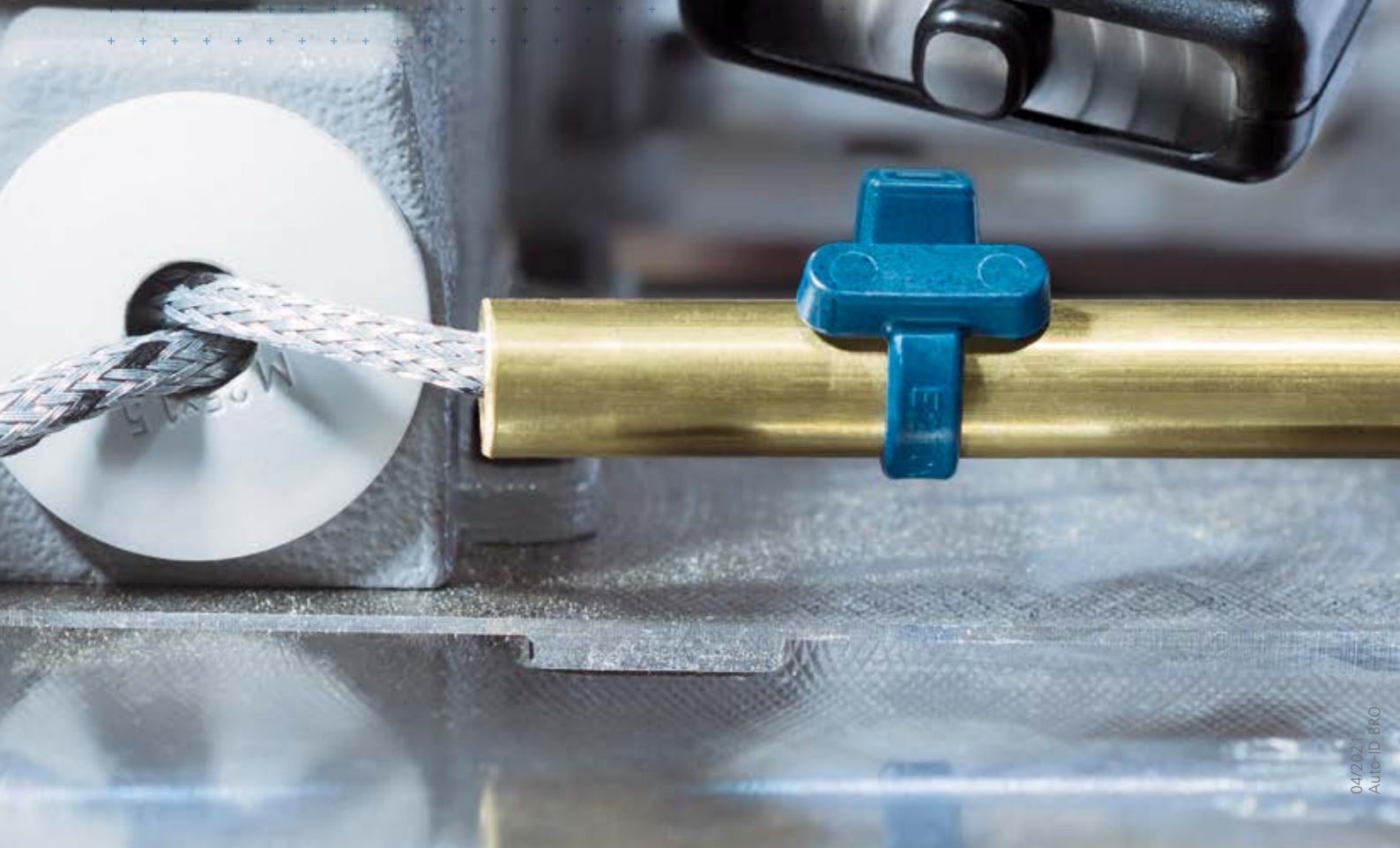


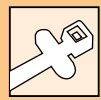
# Cable ties you can really identify with.

A smart future. Our RFID cable ties have a lot to offer industry 4.0. They combine fixing, bundling, marking, identification, product safety and product tracking all in one. And they can be read in extreme environments at any time – even without visual contact.

[www.HellermannTyton.com/rfid](http://www.HellermannTyton.com/rfid)

**MADE FOR REAL** 





### Cable ties with integrated RFID transponder

#### T50RFID – Low Frequency (LF) and High Frequency (HF)

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



T50RFID – cable ties with RFID transponder.

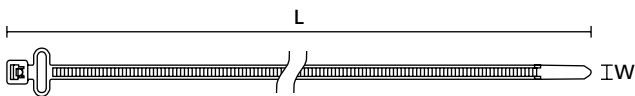
<b>MATERIAL</b>	Polyamide 6.6 (PA66)	Polyamide 6.6, UV-resistant (PA66W)
<b>Frequency</b>	125 kHz (LF)	13.56 MHz (HF)
<b>Idle Temperature</b>	-40 °C to +85 °C	
<b>Operating Temperature</b>	-40 °C to +85 °C	-25 °C to +85 °C
<b>Flammability</b>	UL 94 V2	



For corresponding RFID readers pls. see page 44.

HF ✓

RoHS ✓



T50RFID, MCTRFID

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	6;25	111-01638
T50RFIDCHA	13,56 MHz (HF)	1.5	50.0	4.6	200.0	225	Yellow (YE)	100 pcs.	PA66	6;25	111-01639
	13,56 MHz (HF)	1.5	50.0	4.6	200.0	225	Black (BK)	100 pcs.	PA66	6;25	111-01591
	13,56 MHz (HF)	1.5	50.0	4.6	200.0	225	Black (BK)	100 pcs.	PA66W	6;25	111-02406
	13,56 MHz (HF)	1.5	50.0	4.6	200.0	225	Light Blue (LTBU)	100 pcs.	PA66	6;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

6	25
EVO7	EVOcut

For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.



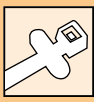
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### Detectable cable ties with integrated RFID transponder

#### MCTRFID – Low Frequency (LF) and High Frequency (HF)

Metal content RFID cable ties offer an innovative solution for unique and fast product identification thanks to the fitting of a transponder directly to the cable tie. The metal content RFID cable ties are made with a percentage of a metallic trace element (magnet/X-Ray) and have been especially developed for industries where the potential for foreign body contamination is a problem. The ties can be used for securing, serialisation, tracking and identification of products e.g. in the food processing or pharmaceutical industry to support quality control effort.

#### 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

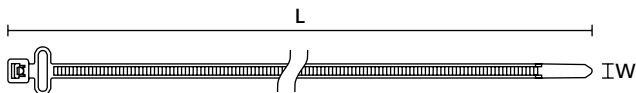


MCTRFID – detectable cable ties (metal content) with RFID transponder.

<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	



For corresponding RFID readers pls. see page 44.



T50RFID, MCTRFID

TYPE	Frequency	Bundle Ø min.	Bundle Ø max.	Width (W)	Length (L)		Colour	Pack Cont.	Tools	Article-No.
MCTRFIDCLA	125 kHz (LF)	1.5	50.0	4.6	200.0	225	Blue (BU)	100 pcs.	6;25	111-01976
MCTRFIDCHA	13,56 MHz (HF)	1.5	50.0	4.6	200.0	225	Blue (BU)	100 pcs.	6;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)

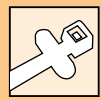
Recommended Tools	
6	25
EVO7	EVOcut

For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.



Please note! Not all products listed on this page may have this approval. Please check our website for latest approvals.





### Stainless steel ties with RFID transponder

#### MBTRFID – High Frequency (HF) and Ultra High Frequency (UHF)

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)
- Ultra high frequency (UHF – 869 MHz)
- Rewritable
- Standard colour red, black coating is also available as a special

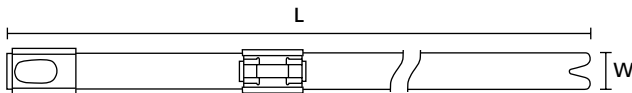


MBTRFID – stainless steel RFID cable ties for product identification in harsh environments.


<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)	



For corresponding RFID readers pls. see page 44.



MBTRFID

TYPE	Frequency	Bundle Ø min.	Bundle Ø max.	Width (W)	Length (L)		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

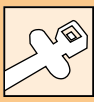
For detailed information on Application Tooling please refer to our Main Catalogue or the Internet.



Add items to your watchlist!

[www.HT.click/4-31](http://www.HT.click/4-31)





### Adhesive label with integrated RFID transponder

#### RFID-Label - High frequency (HF)

This adhesive label with integrated RFID transponder is ideal for clear identification and digital management of mobile and fixed equipment, raw materials and semi-finished or finished products. Thanks to the so-called UID (Unique Identifier, Unique Identification Number) and its integrated and freely usable data memory, objects can be easily inventorised and tracked within the framework of asset management (resource management) or the manufacturing execution system (production control system) (tracking, traceability) as well as monitored and managed. With the help of an IT infrastructure, specific information can be assigned to each individual object or location, which can be called up as required and thus serve to optimise processes. This has an immediate positive effect on process costs.

#### Features and benefits

- Adhesive label with integrated RFID transponder according to international Standards
- Carrier material made of resilient PET Material, provided with adhesive for permanent adhesion
- Can be printed with the help of thermal transfer printers
- Clear identification of objects and / or locations through unique numbering system
- Fast, secure and error-free data management
- Robust and durable with data retention
- Large range of functionalities according to corresponded infrastructure (Hardware, Software)
- Different colours available

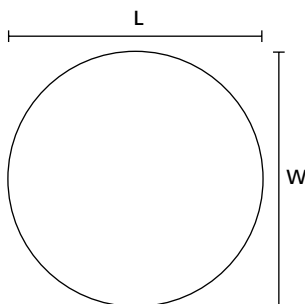


Wide range of RFID labels in different sizes, formats or frequencies (LF, HF, UHF).

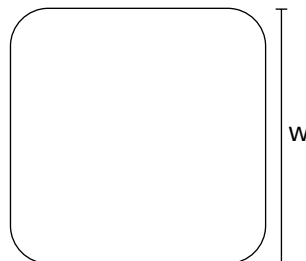
<b>MATERIAL</b>	Type 1602, Paper (1602)	Type 1601, Polyester (1601)
<b>Frequency</b>	860-960 MHz	13.56 MHz (HF)   860-960 MHz
<b>Operating Temperature</b>	-20 °C to +70 °C	-40 °C to +85 °C



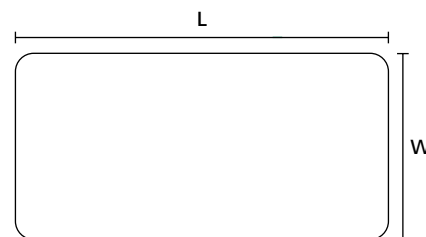
For corresponding RFID readers pls. see page 44.



TAGD31T1HF



TAGS30T1HFTM



TAG100x50T1UHF

TYPE	Drawing	Frequency	Length (L)	Width (W)	Height (H)	Ø (D)	Colour	Pack Cont.	Material	Article-No.
TAG110x13T1UHFM		860-960 MHz	110.0	13.0	1.1	-	White (WH)	800 pcs.	1601	556-00841
TAG45x18T1UHF		860-960 MHz	45.0	18.0	0.1	-	White (WH)	5,000 pcs.	1601	556-00839
TAG54x24T1UHFM		860-960 MHz	54.0	24.0	1.8	-	White (WH)	450 pcs.	1601	556-00844
TAG100x50T1UHF		860-960 MHz	100.0	50.0	0.2	-	White (WH)	2,500 pcs.	1602	556-00843
TAG55x14T1UHFM		860-960 MHz	55.0	14.0	1.1	-	White (WH)	800 pcs.	1601	556-00842
TAG73x13T1UHF		860-960 MHz	73.0	13.0	0.1	-	White (WH)	5,000 pcs.	1601	556-00840

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

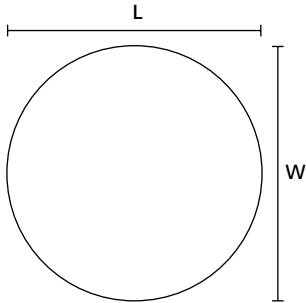




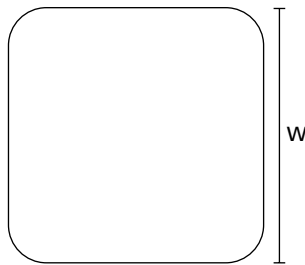


### Adhesive label with integrated RFID transponder

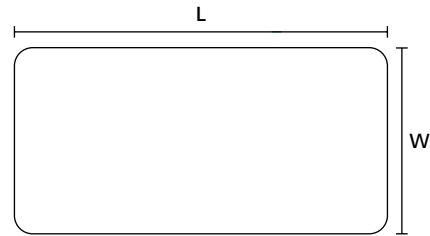
#### RFID-Label - High frequency (HF)



TAGD31T1HF



TAGS30T1HFTM



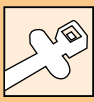
TAG100x50T1UHF

TYPE	Drawing	Frequency	Length (L)	Width (W)	Height (H)	Ø (D)	Colour	Pack Cont.	Material	Article-No.
TAGD31T1HF		13,56 MHz (HF)	-	-	0.2	31.0	White (WH)	3,500 pcs.	1601	556-00818
TAGD31T1HFT		13,56 MHz (HF)	-	-	0.2	31.0	White (WH)	3,500 pcs.	1601	556-00819
TAGD40T1HF		13,56 MHz (HF)	-	-	0.2	40.0	White (WH)	3,000 pcs.	1601	556-00823
TAGD40T1HFT		13,56 MHz (HF)	-	-	0.2	40.0	White (WH)	3,000 pcs.	1601	556-00824
TAGD31T1HFM		13,56 MHz (HF)	-	-	0.3	31.0	White (WH)	2,500 pcs.	1601	556-00820
TAGD31T1HFTM		13,56 MHz (HF)	-	-	0.3	31.0	White (WH)	2,500 pcs.	1601	556-00821
		13,56 MHz (HF)	-	-	0.3	31.0	Yellow (YE)	2,500 pcs.	1601	556-00822
TAGD40T1HFM		13,56 MHz (HF)	-	-	0.3	40.0	White (WH)	2,000 pcs.	1601	556-00825
TAGD40T1HFTM		13,56 MHz (HF)	-	-	0.3	40.0	White (WH)	2,000 pcs.	1601	556-00826
TAGS30T1HF			13,56 MHz (HF)	30.0	30.0	0.2	-	White (WH)	3,500 pcs.	1601
TAGS30T1HFT	13,56 MHz (HF)		30.0	30.0	0.2	-	White (WH)	3,500 pcs.	1601	556-00828
TAGS30T1HFM	13,56 MHz (HF)		30.0	30.0	0.3	-	White (WH)	2,500 pcs.	1601	556-00829
TAGS30T1HFTM	13,56 MHz (HF)		30.0	30.0	0.3	-	White (WH)	2,500 pcs.	1601	556-00830
TAGS40T1HF	13,56 MHz (HF)		40.0	40.0	0.2	-	White (WH)	3,000 pcs.	1601	556-00831
TAGS40T1HFT	13,56 MHz (HF)		40.0	40.0	0.2	-	White (WH)	3,000 pcs.	1601	556-00832
TAGS40T1HFM	13,56 MHz (HF)		40.0	40.0	0.3	-	White (WH)	2,000 pcs.	1601	556-00833
TAGS40T1HFTM	13,56 MHz (HF)		40.0	40.0	0.3	-	White (WH)	2,000 pcs.	1601	556-00834
TAGS44T1UHF	860-960 MHz		44.0	44.0	0.1	-	White (WH)	2,000 pcs.	1601	556-00845

All dimensions in mm. Subject to technical changes.

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





### Adhesive label with integrated RFID transponder

#### RFID bundling label

This bundling label with integrated RFID transponder is ideally suited for the temporary unique identification and digital management of cable harnesses and wire harnesses. Thanks to the so-called UID (Unique Identifier, Unique Identification Number) and its integrated and freely usable data memory, objects can be inventorised, tracked and monitored in a simple manner within the framework of asset management (resource management, maintenance) or the manufacturing execution system (production control system) or of supply chain management (purchasing, warehouse management, transport). With the help of an IT infrastructure, specific information can be assigned to each individual object or location, which can be called up as required and thus serve to optimize processes. This has an immediate positive effect on the process costs.

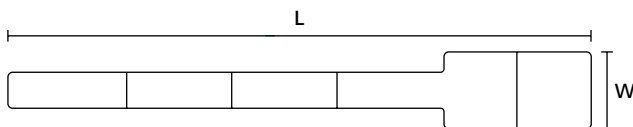
#### Features and benefits

- Bundling label with integrated UHF RFID transponder according to international standards
- Carrier material made of resilient PET provided with adhesive for permanent adhesion
- Can be printed with the help of thermal transfer printers
- Bundling function for the temporary identification of cable harnesses and lines
- Can be shortened as required using pre-cut perforations
- Clear identification of objects and / or locations through unique numbering system
- Faster, more secure and error-free data management
- Robust and durable with data retention

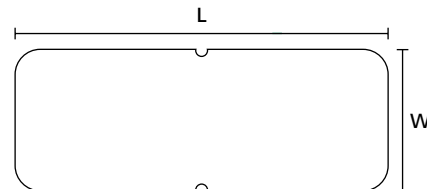


Wide range of RFID labels in different sizes, formats or frequencies (LF, HF, UHF).

<b>MATERIAL</b>	Type 1603, Polyester (1603)
<b>Frequency</b>	960 MHz
<b>Operating Temperature</b>	-50 °C to +80 °C



TAG250x33T1UHF

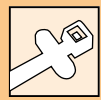


TAG130x50T1UHF

TYPE	Frequency	Length (L)	Width (W)	Height (H)	Colour	Pack Cont.	Material	Article-No.
TAG130x50T1UHF	960 MHz	130.0	50.0	0.1	White (WH)	1,000 pcs.	1603	556-00847
TAG250x33T1UHF	960 MHz	250.0	33.0	0.1	White (WH)	500 pcs.	1603	556-00846

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





### Identification card with integrated RFID transponder

#### RFID-Card

This identification card with integrated RFID transponder is ideal for temporary, unique identification and digital management of small load carriers and storage locations. Thanks to the so-called UID (Unique Identifier, Unique Identification Number) and its integrated and freely usable data memory, objects can be inventorised, tracked and monitored in a simple manner within the framework of asset management (resource management, maintenance) or the manufacturing execution system (production control system) or of supply chain management (purchasing, warehouse management, transport). With the help of an IT infrastructure, specific information can be assigned to each individual object or location, which can be called up as required and thus serve to optimize processes. This has an immediate positive effect on the process costs.

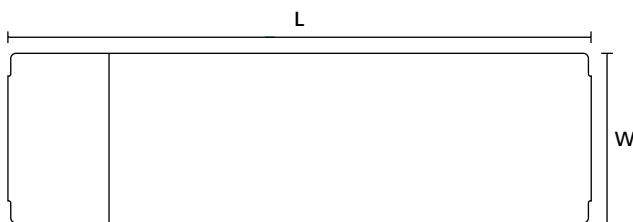
#### Features and benefits

- Identification card with integrated UHF RFID transponder according to international standards
- Backing material made of sturdy cardboard
- Can be printed with the help of thermal transfer printer
- Executed as a leporello
- Designed for insertion in the identification compartment of small load carriers
- Clear identification of objects and / or locations through unique numbering systems
- Faster, more secure and error-free data management
- Robust and durable with data retention
- Large range of functionalities according to corresponded infrastructure (Hardware, Software)
- Different colours available

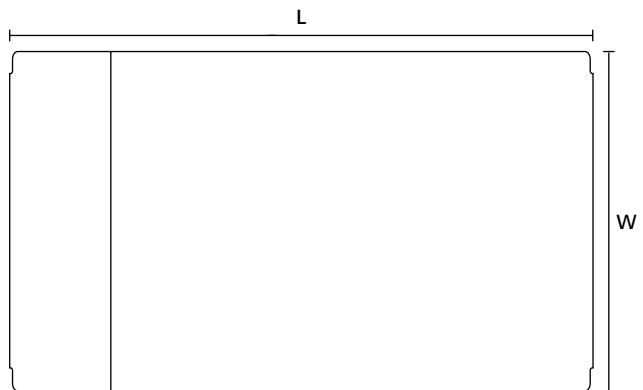


Wide range of RFID labels in different sizes, formats or frequencies (LF, HF, UHF).

<b>MATERIAL</b>	Type 1604, Cardboard (1604)
<b>Frequency</b>	960 MHz
<b>Operating Temperature</b>	-40 °C to +70 °C



TAG254x74UHF

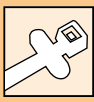


TAG254x148T1UHF

TYPE	Frequency	Length (L)	Width (W)	Height (H)	Colour	Pack Cont.	Material	Article-No.
TAG254x74UHF	960 MHz	254.0	74.0	0.3	White (WH)	550 pcs.	1604	556-00848
TAG254x148T1UHF	960 MHz	254.0	148.0	0.3	White (WH)	550 pcs.	1604	556-00849

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





### Identification element with integrated RFID transponder

#### FLEX LINE - Ultra high frequency (UHF)

The universally applicable identification elements from FLEX LINE product group are ideally suited for the identification of objects and places indoors and outdoors due to its robust and flexible design. Due to their flexibility, the marking elements adapt to surfaces and can therefore also be used on curved surfaces such as e.g. Pipes, buckets or logs. FLEX LINE is ideally suited for the clear identification of pallets or containers. The robust designs of products from FLEX LINE product group are able to withstand washing processes, so that this identification element is suitable for industrial cleaning (uniforms, work clothing, PPE, hotel or hospital linen, medical equipment, etc.). Another application would be the labeling of disposal bins (garbage cans, garbage containers).

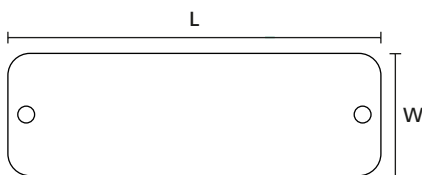
#### Features and benefits

- Identification element with integrated UHF RFID transponder according to EPC Class 1 Gen 2
- Carrier material made of resilient and flexible TPU (thermoplastic polyurethane)
- Fixing holes for attachment using bolts, screws, nails or rivets
- Can be attached with the help of adhesives
- Suitable for application on plastic or wooden substrates
- Clear identification of objects and / or locations through unique numbering systems
- Faster, more secure and error-free data management
- Robust and durable with data retention
- Relatively long range (depending on the circumstances) thanks to the UHF frequency
- Bulk acquisition of up to 500 transponders per second possible (depending on infrastructure)
- Different colours possible

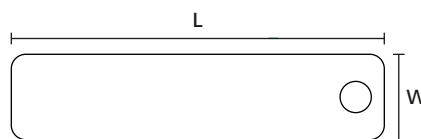


Identification element with UHF-RFID-Transponder (Flex-Line) to be fixed with screws, nails or bolts.

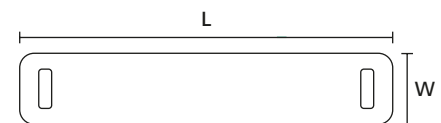
<b>MATERIAL</b>	Thermoplastic Polyurethane (TPU)
<b>Frequency</b>	960 MHz
<b>Idle Temperature</b>	-40 °C to +85 °C
<b>Operating Temperature</b>	-40 °C to +70 °C
<b>Flammability</b>	UL 94 V2



RFID FLEXTAG 77x25



RFID FLEXTAG 110x25

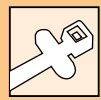


RFID FLEXTAG 65x12

TYPE	Length (L)	Width (W)	Height (H)	Frequency	Colour	Article-No.
RFID FLEXTAG 65x12	65.0	12.0	2.0	960 MHz	White (WH)	556-00805
RFID FLEXTAG 77x25	77.0	25.0	3.0	960 MHz	Green (GN)	556-00800
RFID FLEXTAG 83x25	83.0	25.0	3.0	960 MHz	Yellow (YE)	556-00803
RFID FLEXTAG 87x25	87.0	25.0	3.0	960 MHz	Yellow (YE)	556-00801
RFID FLEXTAG 110x25	110.0	25.0	3.0	960 MHz	Yellow (YE)	556-00850

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





### Identification element with integrated RFID transponder

#### HARD LINE - High frequency (HF)

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.

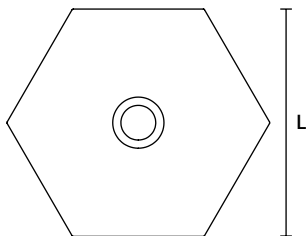
<b>MATERIAL</b>	Polyamide 6.6 (PA66)
<b>Frequency</b>	13.56 MHz (HF)
<b>Idle Temperature</b>	-40 °C to +85 °C
<b>Operating Temperature</b>	-40 °C to +85 °C
<b>Flammability</b>	UL 94 V2

HF ✓

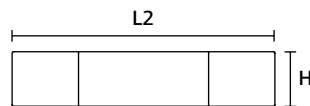
RoHS ✓



**For corresponding RFID readers pls. see page 44.**



HEXTAG (front view)



HEXTAG (side view)

TYPE	Frequency	Height (H)	Length (L)	Length (L2)	Colour	Pack Cont.	Article-No.
RFID HEXTAG	13,56 MHz (HF)	8.0	33.4	38.39	Yellow (YE)	100 pcs.	151-01582

All dimensions in mm. Subject to technical changes.

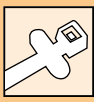
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



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### Identification element with integrated RFID transponder

#### HARD LINE - Ultra high frequency

The universally applicable identification elements of HARD LINE product group are ideally suited for the identification of objects and places indoors and outdoors their innovative design. Due to their robustness, the marking element can be fixed permanently in a durable way to many objects and places. RFID elements of HARD LINE product group are ideally suited for the clear identification of pallets or containers. The robust design allows the those identification elements to withstand harsh conditions and rough treatment. An application would be the labeling of disposal bins (garbage cans, garbage cans, garbage containers).

#### Features and benefits

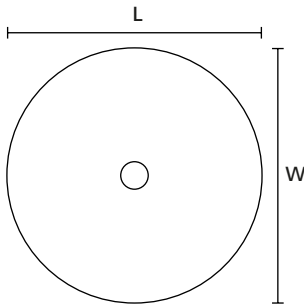
- Identification element with integrated UHF RFID transponder according to EPC EPC Class 1 Gen 2
- Carrier material made of robust polyphthalamide (PPA)
- Mounting holes for attachment using bolts, screws, nails or rivets
- Can be attached or embedded with the help of adhesives
- Suitable for application on plastic or wooden substrates
- Clear identification of objects and / or locations through unique numbering systems
- Faster, more secure and error-free data management
- Robust and durable with data retention
- Relatively large range (depending on the circumstances) thanks to the UHF frequency
- Bulk acquisition of up to 500 transponders per second possible (depending on infrastructure)



Identification element with UHF-RFID-Transponder (Hard-Line) to be fixed with screws, nails, bolts or rivets.



Top View of identification element with UHF-RFID-Transponder (Hard-Line) to be fixed with screws, nails, bolts or rivets.



HARDTAG DISC

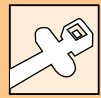
<b>MATERIAL</b>	Polyphthalamide (PPA)
<b>Frequency</b>	860-960 MHz
<b>Idle Temperature</b>	-40 °C to +85 °C
<b>Operating Temperature</b>	-40 °C to +85 °C
<b>Flammability</b>	UL 94 V2



TYPE	Length (L)	Width (W)	Height (H)	Colour	Article-No.
RFID HARDTAG DISC	50.0	50.0	9.0	Black (BK)	556-00809

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





### Identification element with integrated RFID transponder

#### TOUGH LINE - Ultra High Frequency (UHF)

The universally applicable identification elements of TOUGH LINE product group are ideally suited for the identification of objects and places indoors and outdoors their innovative design. Due to their robustness, the marking element can be fixed permanently in a durable way to many objects and places. RFID elements of TOUGH LINE product group are ideally suited for the clear identification of pallets or containers. The robust design allows the identification elements to withstand harsh conditions and rough treatment. An application would be the labeling of disposal bins (garbage cans, garbage containers).

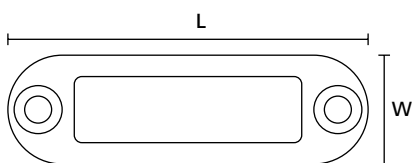
#### Features and benefits

- Identification element with integrated UHF RFID transponder according to EPC EPC Class 1 Gen 2
- Carrier material made of impact-resistant plastic
- Mounting holes for attachment using bolts, screws, nails or rivets
- Suitable for application on all surfaces
- Can be attached with the help of adhesive
- Clear identification of objects and / or locations through unique numbering systems
- Faster, more secure and error-free data management
- Robust and durable with data retention
- Relatively large range (depending on the circumstances) thanks to the UHF frequency
- Bulk acquisition of up to 500 transponders per second possible (depending on infrastructure)
- Different colours possible



Identification element with UHF-RFID-Transponder (Tough-Line) to be fixed with screws, nails, or bolts.

<b>MATERIAL</b>	Plastic (PL)
<b>Frequency</b>	960 MHz
<b>Idle Temperature</b>	-40 °C to +85 °C
<b>Operating Temperature</b>	-40 °C to +85 °C
<b>Flammability</b>	UL 94 V2



HARDTAG SOLID 60x18

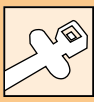
TYPE	Length (L)	Width (W)	Height (H)	Colour	Article-No.
HardTag Solid 60x18	60.0	18.0	8.0	Grey (GY)	556-00852

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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### Identification element with integrated RFID transponder

#### HELA SMART - Ultra High Frequency (UHF)

RFID security seal has been developed to identify and bundle the component at the same time, no need for screws or adhesives.

The exclusive HellermannTyton encapsulation system allows greater identifying durability given the fact that it protects the RFID transponder and the barcode engraved against damage caused by water impacts or harsh environments. They can be supplied with customers logo and / or barcodes for contact reading.

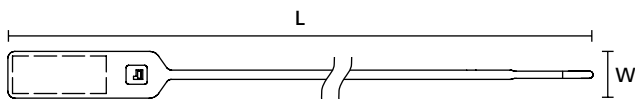
#### Features and benefits

- Product with tag encapsulation
- Can be supplied with customer logo and / or barcode printed
- Resistant to harsh environments
- Remote reading



RFID security seal.

<b>MATERIAL</b>	Polypropylene (PP), Polyurethane resin (PUR)
<b>Frequency</b>	860 - 960 MHz (UHF)
<b>Idle Temperature</b>	-20 °C to +80 °C
<b>Operating Temperature</b>	-20 °C to +80 °C
<b>Flammability</b>	UL 94 V2



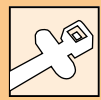
HS30LM RFID

TYPE	Length (L)	Width (W)	Frequency	Colour	Article-No.
HS30LM RFID	300.0	20.0	860 - 960 MHz (UHF)	White (WH)	111-02204

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







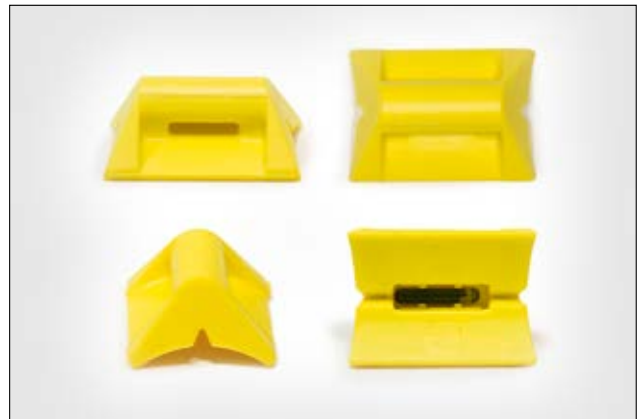
### Accessories with RFID transponder

#### Hard Tags RFID tie-on, blank

The CRADLE equipped with a HF transponder can be used with standard HellermannTyton cable ties. All 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

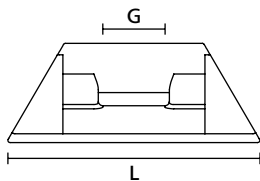


RFID CRADLE – can be used with a standard HellermannTyton cable tie.

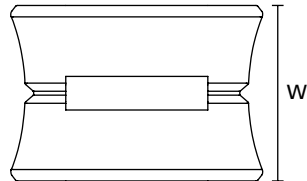
<b>MATERIAL</b>	Thermoplastic Polyurethane (TPU)
<b>Frequency</b>	13.56 MHz (HF)
<b>Idle Temperature</b>	-40 °C to +85 °C
<b>Operating Temperature</b>	-25 °C to +85 °C
<b>Flammability</b>	UL 94 V2

HF ✓

RoHS ✓



CRADLE (front view)



CRADLE (rear view)



For corresponding RFID readers pls. see page 44.

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.



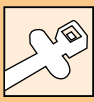
Please note! Not all products listed on this page may have this approval. Please check our website for latest approvals.



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[www.HT.click/4-41](http://www.HT.click/4-41)





### Identification element with integrated RFID transponder

#### HARD LINE - Ultra High Frequency (UHF)

The universally applicable identification elements of HARD LINE product group are ideally suited for the identification of objects and places indoors and outdoors their innovative design. Due to their robustness, the marking element can be fixed permanently in a durable way to many objects and places. RFID elements of HARD LINE product group are ideally suited for the clear identification of pallets or containers. The robust design allows the those identification elements to withstand harsh conditions and rough treatment. An application would be the labeling of disposal bins (garbage cans, garbage cans, garbage containers).

#### Features and benefits

- Labeling element with integrated UHF RFID transponder according to EPC EPC Class 1 Gen 2
- Carrier material made of robust acrylonitrile-butadiene-styrene copolymers (ABS)
- Optical identification with the help of labels possible
- Mounting hole for attachment using cable ties
- Suitable for application on all surfaces
- Clear identification of objects and / or locations through unique numbering systems
- Faster, more secure and error-free data management
- Robust and durable with data retention
- Relatively large range (depending on the circumstances) thanks to the UHF frequency
- Bulk acquisition of up to 500 transponders per second possible (depending on infrastructure)
- Different colours possible



Identification element with UHF-RFID-Transponder (Hard-Line) to be fixed with cable ties.

<b>MATERIAL</b>	Acrylonitrile Butadiene Styrene (ABS)
<b>Frequency</b>	860-960 MHz
<b>Idle Temperature</b>	-40 °C to +85 °C
<b>Operating Temperature</b>	-5 °C to +70 °C
<b>Flammability</b>	UL 94 V2

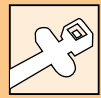


RFID HARDTAGS ITEMS

TYPE	Length (L)	Width (W)	Height (H)	Frequency	Colour	Article-No.
RFID HARDTAG ITEMS 38x13	38.0	13.0	4.5	960 MHz	White (WH)	556-00815

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





### Identification element with integrated RFID transponder

#### TOUGH LINE - Ultra high frequency (UHF)

The universally applicable identification elements of TOUGH LINE product group are ideally suited for the identification of objects and places indoors and outdoors their innovative design. Due to their robustness, the marking element can be fixed permanently in a durable way to many objects and places. RFID elements of TOUGH LINE product group are ideally suited for the clear identification of pallets or containers. The robust design allows the identification elements to withstand harsh conditions and rough treatment. An application would be the labeling of disposal bins (garbage cans, garbage containers).

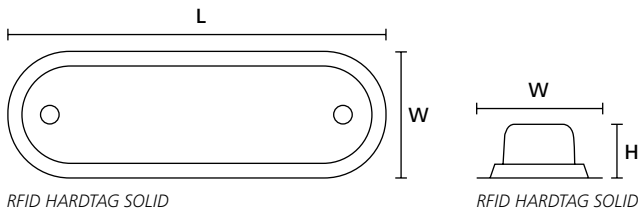
#### Features and benefits

- Identification element with integrated UHF RFID transponder according to EPC EPC Class 1 Gen 2
- Metal enforced construction
- Designed for fastening by means of welding
- Suitable for application on all surfaces
- Clear identification of objects and / or locations through unique numbering systems
- Faster, more secure and error-free data management
- Robust and durable with data retention of over 100,000 read / write cycles or 50 years.
- Relatively large range (depending on the circumstances) thanks to the UHF frequency
- Bulk acquisition of up to 500 transponders per second possible (depending on infrastructure)
- Different colours possible



Identification element with UHF-RFID-Transponder (Tough-Line) to be welded to metal objects.

<b>MATERIAL</b>	Various (DIV)
<b>Frequency</b>	860-960 MHz
<b>Idle Temperature</b>	-40 °C to +85 °C
<b>Operating Temperature</b>	-40 °C to +85 °C
<b>Flammability</b>	UL 94 V2



TYPE	Length (L)	Width (W)	Height (H)	Frequency	Colour	Article-No.
RFID HARDTAG SOLID 105x35	105.0	35.0	15.0	956	Blue (BU)	556-00811

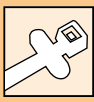
All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content. Other packaging options may also be available.



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### RFID Readers

#### RFID Handheld Reader

The HS9 handheld RFID readers are designed to read LF transponders and read/write to HF transponders fitted to HellermannTyton RFID cable ties and accessories. The readers act as an interface between the RFID transponder and computer systems or databases. Radio waves transmit the data from the RFID transponder to the reader, so that contactless reading and/or writing of information is possible. The HS9 reader is available for low frequency (LF, 125 kHz, read-only) and for high-frequency (HF, 13.56 MHz, read and write) transponders. RFID system solutions can make a significant contribution to improving the process reliability and quality in a variety of industries.

#### Features and benefits

- RFID handheld reader
- Write capability on request
- Low frequency (LF – 125 kHz)
- High frequency (HF – 13.56 MHz)
- USB, HID interface
- Wireless transmission via Bluetooth
- Operator convenience
- Lightweight and handy design
- Compatible with Android- and iOS-devices
- 9V alkaline battery included



RFID-HS9 – handheld readers for low frequency (LF) and high frequency (HF) transponders.

<b>Operating Temperature</b>	0 °C to +55 °C
<b>Interfaces</b>	USB, Bluetooth, HID
<b>L x W x H</b>	135.0 mm x 70.0 mm x 24.0 mm



TYPE	Frequency	Article-No.
RFID-HS9BT-LF	125 kHz (LF)	556-00701
RFID-HS9BT-HF	13,56 MHz (HF)	556-00700

Subject to technical changes.

### RFID Readers

#### RFID Desktop Reader

The RFID-DT22 desktop reader for stationary use has been designed to read and write from/to high frequency (HF 13.56 MHz) transponders fitted to HellermannTyton RFID cable ties and accessories. The reader acts as an interface to computer systems and databases. Radio waves transmit the data from the transponder to the reader, so that contactless reading of information is possible. RFID system solutions can make a significant contribution to improving the process reliability and quality in a variety of industries.

#### Features and benefits

- RFID desktop reader
- High frequency (HF – 13.56 MHz)
- For reading and writing of data
- USB, HID interface
- Operator convenience
- Lightweight and handy design



RFID-DT22 – desktop reader for high frequency (HF) transponders.

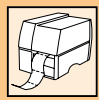
<b>Operating Temperature</b>	-25 °C to +60 °C
<b>Interfaces</b>	USB, HID
<b>L x W x H</b>	110.0 mm x 110.0 mm x 30.0 mm



TYPE	Frequency	Article-No.
RFID-DT22-HF	13,56 MHz (HF)	556-00702

Subject to technical changes.





## 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>	Operating system: Microsoft Windows 7,8.1 and 10 (32/64 bit) Random Access Memory: 1.0 GB RAM Hard disk space: 500 MB Microsoft .NET Framework 4 or higher
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TYPE	Article-No.
TagPrintPro4.0-EMEA	556-00059

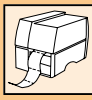
Subject to technical changes.



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### 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.

TYPE	Pack Cont.	Article-No.
TT431	1 pc.	556-00400

All dimensions in mm. Subject to technical changes.

TYPE	Pack Cont.	Article-No.
TTER120	1 pc.	556-00013

All dimensions in mm. Subject to technical changes.

<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



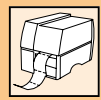
TYPE	Description	Article-No.
TTER120	External label rewinder	556-00013
S430 Cutter	Cutter for TT430/TT431	556-00452
P430 Perforator	Perforator for TT430/TT431	556-00456
TT External Reel Holder	External Reel Holder	556-00451
TT430/TT431 300dpi Printhead	Printhead for TT430/TT431	556-00453
TT430/TT431 Print Roller	Print Roller for TT430/TT431	556-00454

Subject to technical changes.



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## 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 3.0.

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



TYPE	Article-No.
TT4030	556-04037

Subject to technical changes.

TYPE	Description	Article-No.
TT4030	Printer	556-04037
TT4030 Printhead	Printhead for TT4030	556-04041
S4030 Cutter	S4030 Cutter for TT4030	556-04050
TT External Reel Holder	External Reel Holder	556-00451
Printer Roller TT4030/TT4000+	Printer Roller for TT4030/TT4000+	556-04005

Subject to technical changes.



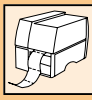
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### Thermal transfer printer with RFID System

#### PT4000

PT4000 is a high quality middleclass thermal transfer printer with integrated UHF RFID System according to ISO 18000-6C standard. Due to this PT4000 is able to print and code UHF RFID labels or similar media within one process. This ability enables the device to be used for a lot of identification tasks during the entire value chain of industrial or retail organisations. Thanks to unique construction principles PT4000 is able to code standard RFID-Labels as well as so called on metal labels. PT4000 features an outstanding operating concept, which allows this thermal transfer printer to be installed, maintained and operated. The coloured LCD contributes to this. PT4000 has been designed to meet the demand of 5.000 labels per day.

#### Features and benefits

- 4 Printer
- Steel cabinet
- Two times folding door for easy access to media
- High performance processor - ARM Cortex A7
- 128 MB RAM / 128 MB Flash Memory
- 3.5 Colour LCD with nine button controls
- 300 DPI
- Transfer printing and direct printing possible
- Interface languages: PGL, ZGL, STGL, MGL
- Errorlog for printing and coding errors
- Ethernet 10/100 Base T
- WiFi 802.11 a/c/g/n/ac (optional)
- 4-32GB SD Flash-Memory possible
- ENERGY STAR certified



UHF RFID printer PT4000.

<b>Print Method</b>	Thermal transfer printing
<b>Print Head Type</b>	300 dpi, flat type
<b>Print Speed</b>	up to 170mm/s
<b>Max. Print Width</b>	25.4 mm
<b>Label Height Max (metric)</b>	1,270 mm
<b>Interfaces</b>	USB, RS232, Ethernet 10/100 BaseT, WiFi (optional)
<b>Supported Barcodes, Printer</b>	Standard and 2D
<b>Printer Memory</b>	128 MB RAM
<b>Dimensions W x H x D</b>	264 mm x 276 mm x 455 mm
<b>Weight</b>	4.0 kg



TYPE	Description	Article-No.
<b>PT4000</b>	Thermal transfer printer with RFID System	556-00750
<b>PT4000-CUT</b>	Thermal transfer printer with RFID System + Cutter	556-00751
<b>PT4000-WIFI-CUT</b>	Thermal transfer printer with RFID System + Cutter + WIFI	556-00753
<b>PT4000-WIFI</b>	Thermal transfer printer with RFID System + WIFI	556-00752

All dimensions in mm. Subject to technical changes.







## Thermal transfer ribbons for

### Adhesive Labels

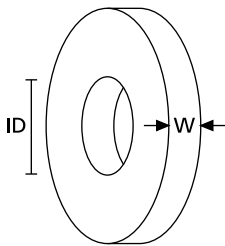
The thermal transfer print technology is based on heating up certain dots in the print head. This transfers the ink very precisely from the ribbon onto the surface of the printed material. All HellermannTyton ribbons consist of a special resin composition to maximise print performance. In combination 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.
TT822OUT	323/823/880/892/951/1203/1204/1206/1208/1210/1211/1213/1216/1220/1221/1232	Black (BK)	60.0	300 m	556-00111
	323/823/880/892/951/1203/1204/1206/1208/1210/1211/1213/1216/1220/1221/1232	Black (BK)	110.0	300 m	556-00101
TT932DOUT 85MM	323/1209	Black (BK)	85.0	300 m	556-00117
TT932DOUT 110MM	323/1209	Black (BK)	110.0	300 m	556-00118

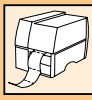
All dimensions in mm. Subject to technical changes.



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### Thermal printer ribbons for

#### Heatshrink and Tiptags

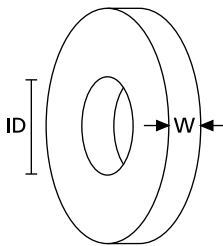
The thermal transfer print technology is based on heating up certain dots in the print head. This transfers the ink very precisely from the ribbon onto the surface of the printed material. All HellermannTyton ribbons consist of a special resin composition to maximise print performance. In combination 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.
TTRW 30MM	TCGT/TULT(DS)	White (WH)	30.0	300 m	556-00125
TTDTHOUT 40MM	TCGT/TULT(DS)/TLFX(DS)/TDRT(DS)/TLFD DS/TIPTAG	Black (BK)	40.0	300 m	556-00139
TTRHTBK 70MM	THTT/THTT DS/TAGPU	Black (BK)	70.0	300 m	556-00204
TTRHTBK 100mm	THTT/THTT DS/TAGPU	Black (BK)	100.0	300 m	556-00210
TTRHTWH 70mm	THTT/THTT DS/TAGPU	White (WH)	70.0	300 m	556-00209
TTRHTWH 100mm	THTT/THTT DS/TAGPU	White (WH)	100.0	300 m	556-00211
TTRC+ 60MM	TIPTAG PU/TCGT/TULT	Black (BK)	60.0	300 m	556-00115
TTRC+ 100MM	TIPTAG PU/TCGT/TULT	Black (BK)	100.0	300 m	556-00103

All dimensions in mm. Subject to technical changes.



# Even big things have small beginnings.

You have to work with what you've got – and that was exactly what our company founder Paul Hellermann did back in 1935. Inspired by the small rubber tube in bicycle valves, he developed a process for binding electric cables with rubber: the Hellermann grommet and three-pronged pliers. The first two of the hundreds of patents filed since then.

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