

Identification Systems



	Page
Helagrip	1/1
Ovalgrip Cable Markers	1/2
Identification Markers Q-Tag	1/3
Identification Cable Ties	1/4
Wire Identification Clip (WIC Markers)	1/5
PU Cable Markers - Unicut	1/6
Polychloroprene Markers (Helsyn)	1/7
Universal Sleeve Fitting Tool (D/G Kits)	1/7
Polychloroprene Tubing (Helsyn)	1/8
Hellerine Lubricant	1/8
Brother Label Printers	1/9
Hellermark RF	1/11
Hellermark - Stainless Steel Marking System	1/12
Helafix Carriers HC and HCR	1/13
HFX Helafix Labels	1/14
Helafix HCT Tool and Accessories	1/14
TagPrint™ Professional Label Creation Software	1/15
TT4000-2, TT4000-3, TT420 Printers	1/16
Thermal Transfer Ribbons	1/17
Wire Guide to HellermannTyton Labels	1/18
ShrinkTrak™ Heat Shrinkable Markers	1/19
Laser Tag Label Materials	1/22
Self-Laminating Laser Tags	1/23
Spirit® 2100 Portable Printing System	1/25
Spirit® 2100 Self-Laminating Labels	1/26
Flex-Tag Markers	1/27
Rite-On® Markers	1/28
HELASIGN® Self Laminating Booklet	1/29
Handi-Cards	1/30
Handi-Paks	1/31



The restriction of the use of certain hazardous substances in electrical and electronic equipment



Halogen Free



Limited Fire Hazard

Helagrip

Features and Benefits

Helagrip is a versatile and cost effective cable identification system. The specially designed internal profile allows one size of marker to be fitted onto a wide range of cable diameters. Helagrip's chevron cut ensures that the markers lock together, enabling the text legend to stay in place where cable movement or vibration is likely. The flexible material ensures that Helagrip cable markers always fit securely onto the wire.

Application

Ideally suited to panel building, mass transit, utilities, telecommunications and electrical contracting. Helagrip is supplied on a reel for ease of use. Markers are available as standard in international resistor colour code and yellow material marked in black. White material marked in black is available on special order. Characters are 0-9, A-Z and standard electrical symbols. For smaller cables and wires it is recommended that you use the AD applicator or the TJC installation tool.

- Cable diameter 1,0 - 16,0 mm.
- Chevron end cut enables locking alignment.
- Flexible PVC (High temperature 85°C).
- Coding A-Z and 0-9.
- HG markers available, black on yellow or white.
- International colour coding
- Standard electrical symbols
- Standard packet of 500 or reels of 1000.

Features and Benefits

Helagrip Markers – Chevron cut available colour coded, black on yellow or black on white



Examples:

Packet: 1-3 OD, Letter A, Black on Yellow = HG13MAYL

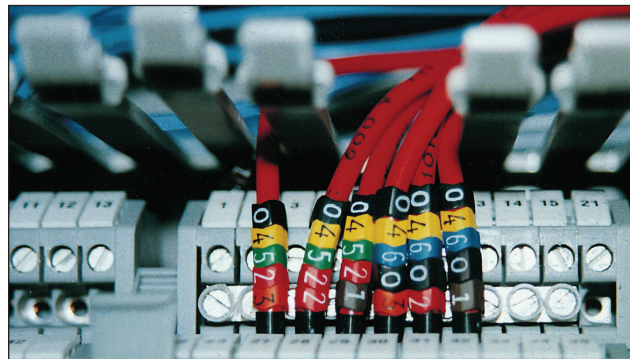
Reel: 1-3 OD, Number 4, Black on Yellow = HG13M4YL

Packet Colour Kit 09: 1-3OD = HG13MCCL09

Reel Kit: A-Z 1-3OD, Black on Yellow = HG13RYLAZ

Ordering Information

Code	Cable Dimensions	Quantity Per		App Tools
	OD (mm)	Packet	Reel	
HG13	1,0 - 3,0	500	1000	TJC13
HG25	2,0 - 5,0	500	1000	TJC25
HG36	3,0 - 6,0	500	250	TJC36
HG49	4,0 - 9,0	250		TJC49
HG816	8,0 - 16,0	250		



Clearly a better way to identify in confined spaces.



HG13M*\$



Material Data

RoHS	Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
	Colour	White, yellow, international resistor colour code
	Flammability	Self-extinguishing
	Operating Temperature	-65°C to +105°C,
	Temperature	Intermittent +135°C
	Specification	BS 2782-540B, BS 6746C, UL224, IEC 684-3-116



TJC applicator tools.

Ovalgrip Cable Markers

Features and Benefits

Ovalgrip markers have been specifically designed to mark cable and wire both before and after termination. Their oval shape means that these markers are easy to fit by hand directly onto the cable pre-termination or they can be attached as an identification flag post-termination using special marker Arrowtags. Arrowtags fitted with Ovalgrip are fastened using cable ties and can very easily be modified or removed without the need to uninstall the cable.

Sizes 50 and 85 can be used with Arrowtags for identifying larger cable bundles.

Application

Ideally suited to panel building, mass transit, utilities, telecommunications and electrical contracting.

- Flexible PVC (High temperature 85°C).
- Coding A-Z and 0-9.
- Custom marking on request.
- HO markers available, black on yellow or white.
- International colour coding.
- Standard packets of: H085 = 100, H050 = 500
- May be filed directly on the cable or alternatively onto "Arrow Tags".



Examples

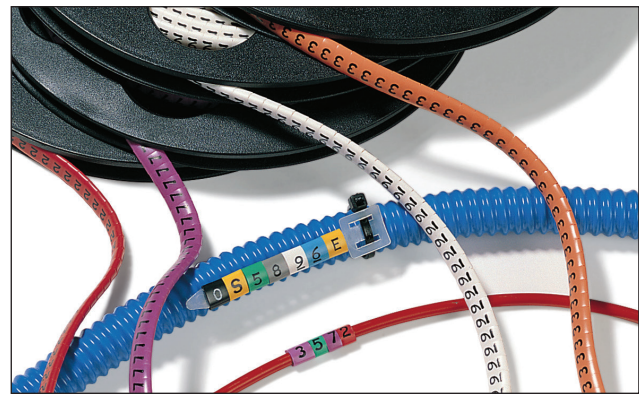
- Packet : H050, Letter A, Black on Yellow = H050MAYL
- Packet : H085, Letter A, Black on Yellow = H085MAYL
- Packet : Colour Kit 0-9 H050 = H050MCC09
- Packet : Kit A-Z, H085, Black on Yellow = H854MYLAZ
- Arrow Tag 1, Black = AT1BK (Only available in Black)
- Arrow Tag 2, Natural = AT2NT

- AT1 Arrowtags will fit 7 size 50 markers.
- AT2 Arrowtags will fit 9 size 85 markers.
- AT3 Arrowtags will fit 17 size 85 markers.

Ordering Information

Code	Cable Dimensions		Packaging	Arrow Tag		
	OD (mm)	(mm) ²		Package	Tag	Length (mm)
H050	1,5	3,6	500	AT1	62,5	9
H085	2,5	5,9	100	AT2	63	11
				AT3	100	19

* Arrow Tags will accept Insulok Cable Ties from 2,5 - 5 mm (T18 - T50 Series).

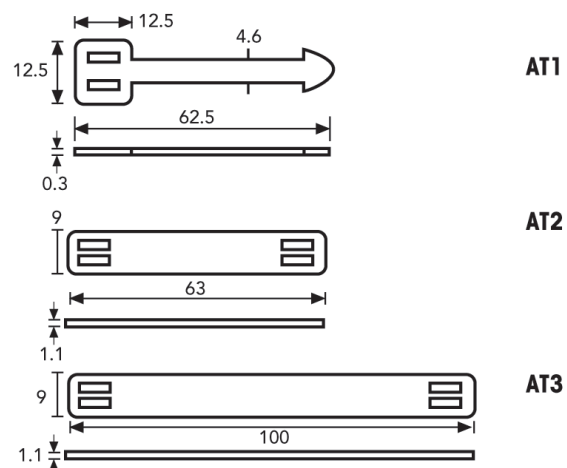


A simple idea for complex marking needs.

Material Data	
Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
Colour	White, yellow, international resistor colour code
Operating Temperature	-65°C to +85°C, Intermittent +135°C
Flammability	Self extinguishing
Specification	BS 2782-540B, BS 6746C, UL224, IEC 304, IEC 757



H050M*\$



Identification Markers Q-tag

Features and Benefits

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

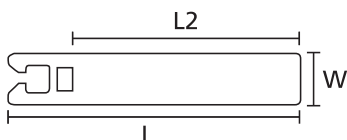
The tags can be marked by hand with a marker pen (T82 series) or with a printed adhesive label. HellermannTyton offers a complete printing solution for Q-tags:

printers, labels, ribbons, and market leading label design software; Tagprint Pro V2.

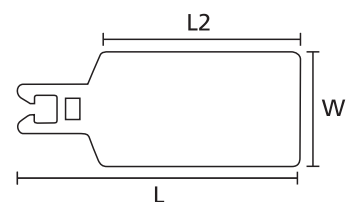
Using Q-ties and Q-tags gives users the confidence that cables and cable bundles are safely secured and the text is highly visible.



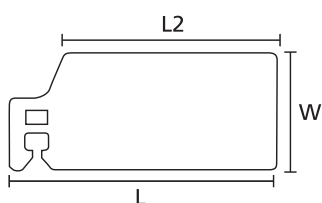
The flagged orientation of Q-tags ensures that printed texts are easily visible.



Q-tag QT7016R



Q-tag QT7040R



Q-tag QT7040S



Q-tags are available in different sizes and types.



Q-tags can be labelled with pre-printed labels or by hand.

Material Data		
RoHS	Material	Polyamide 6.6 (PA66)
	Colour	Natural (NA),
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)
	Flammability	UL94 V2



Technical Table

Article-No.	Type	Length (L)	Length (L2)	Width (W)	Strap Width max. (G)	Pack Cont.	Colour
151-10950	QT7016R	100.0	70.0	18.0	4.7	50	Natural (NA)
151-10951	QT7040R	100.0	70.0	42.0	4.7	50	Natural (NA)
151-10952	QT7040S*	100.0	70.0	42.0	3.6	50	Natural (NA)
151-10953	QT10065R	135.0	100.0	67.0	4.7	25	Natural (NA)
Marker pens T82							
500-50820	T82S-BK	-	-	-	-	2	Black (BK)
500-50822	T82R-RD	-	-	-	-	2	Red (RD)

All dimensions in mm. Subject to technical changes.

* right angled

Identification Cable Ties

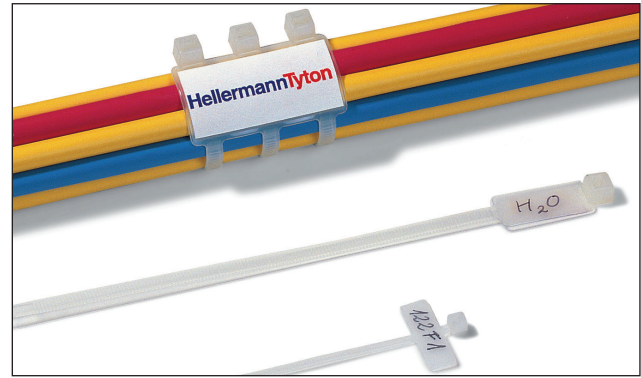
Features and Benefits

One of the major benefits is the ability to both secure and identify cable bundles at different times. These cable ties are suitable for the identification and securing of cable bundles, saving valuable installation time by using just one product to both secure and identify. They can be marked either on-site or after bundling has taken place.

They can be marked manually using the T82S series of indelible marker pens. In addition there is a large selection of labels available for marking.

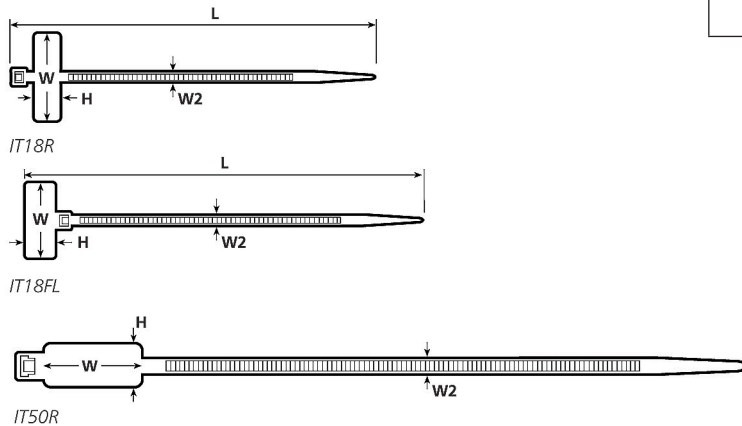
Application

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



One operation with two benefits.

Material Data		
RoHS	Material	Polyamide 6.6 (PA66)
	Colour	Natural (NT), Available on request, Black (BK)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)
	Flammability	UL94 V2



Technical Table

Code	Width (W)	Height (H)	Length (L)	Width (W2)	Bundle Ø min.	Bundle Ø max.	Colour	Material	Min. Tensile Strength (N)
IT18R	25.0	8.0	100.0	2.3	6.0	22.0	Natural (NT)	PA66	80
IT18FL	20.5	9.0	110	2.5	1.5	19.0	Natural (NA)	PA66	80
IT50R	28.0	12.9	203.0	4.6	9.5	44.5	Natural (NA)	PA66	225
Marker pens T82									
T82S-BK	-	-	-	-	-	-	Black (BK)	-	-
T82R-RD	-	-	-	-	-	-	Red (RD)	-	-

All dimensions in mm. Subject to technical changes.



Marker pens T82S-BK and T82R-RD.

Wire Identification Clip (WIC Markers)

Features and Benefits

This fast and easy to use snap-on marker is ideal for use in areas where termination has been completed or where systems need to remain switched on.

WIC is especially engineered to remain in place even under continuous vibration.

The robust locking mechanism ensures that the marker legend is always visible on the cable in areas of vibration or other cable movement.

WIC markers are fitted by simply clicking them on using the WIC tool. The WIC tool can be used for all sizes and takes up to 20 markers.

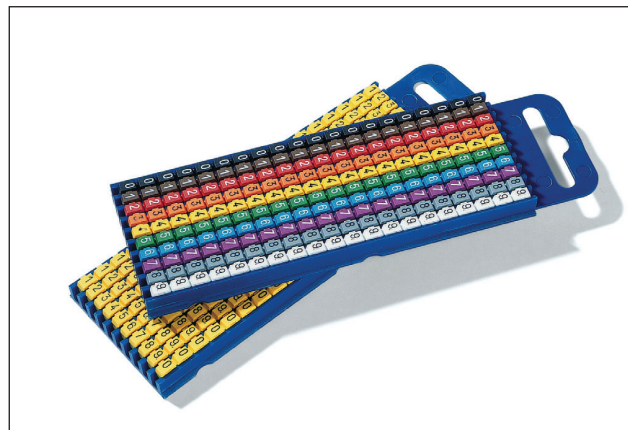
WIC is manufactured from a halogen free material and is ROHS compliant.

Application

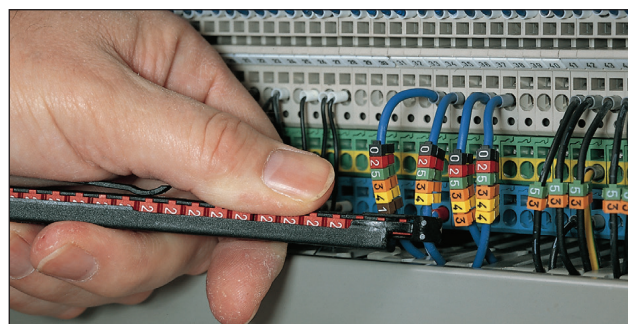
Applying the markers can be done either by hand or with the ergonomically designed WIC Tool.

Simply snap the marker onto the wire, twist and then reapply the next marker.

The WIC Tool is unique as it can accommodate all three sizes of WIC.



The convenient WIC dispenser ideal for pocket or toolbox storage.



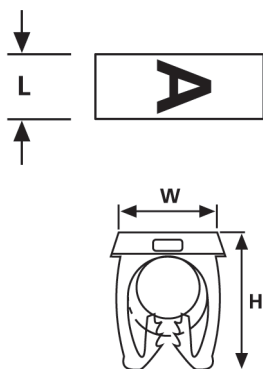
Use the applicator to simply snap the marker onto your cable.



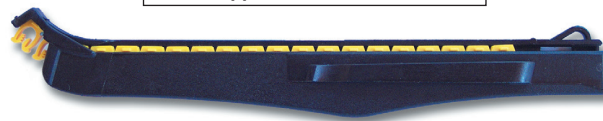
Ordering Information

Code	Cable Dimensions		Marker Dimensions			Dispenser	
	Outside Diameter (mm)	(mm) ²	Width (W)	Height (H)	Length (L)	Size	Colour
WIC1	2.0 - 2.8	0.5 - 1.5	5.0	6.4	3.0	200	Red
WIC2	2.8 - 3.8	1.5 - 2.5	5.6	7.1	3.0	200	Blue
WIC3	4.3 - 5.3	4 - 6	8.0	9.6	3.0	100	Yellow

All dimensions in mm. Subject to technical changes.



WIC Applicator Tool - WICTOOL



Material Data

RoHS	Material	Polyamide 6.6 (PA66)
	Colour	International resistor colour code with marking text 0-9. Yellow with marking text A-Z, 0-9 and symbols.
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)
	Flammability	UL94 V0
	Certification	IEC 304, EN 60062, UL94

PU Cable Markers - Unicut

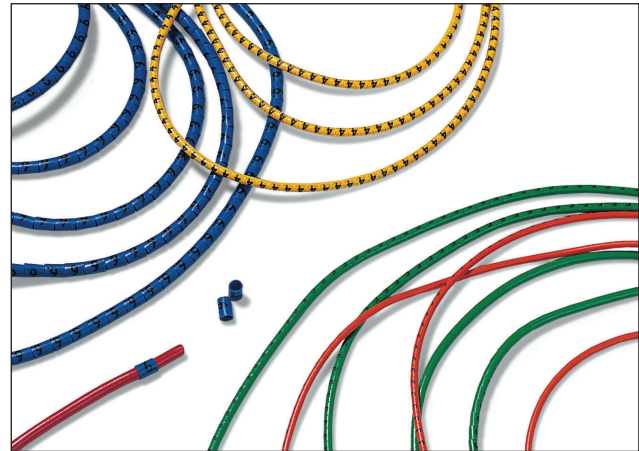
Features and Benefits

These high-grade light weight PVC markers have a thin wall that makes them ideal for identifying wires in areas where space is at a premium. The thin wall makes the markers light, very flexible and space effective thus making installation easier. P markers are supplied fully severed whereas PU markers are supplied in semi-severed lengths.

Markers are available in yellow material marked in black and international resistor colour coding. Characters are 0-9, A-Z and standard electrical symbols. (Packets of 500)

Application

For close density wiring applications where the thin wall section takes up the minimum amount of space.



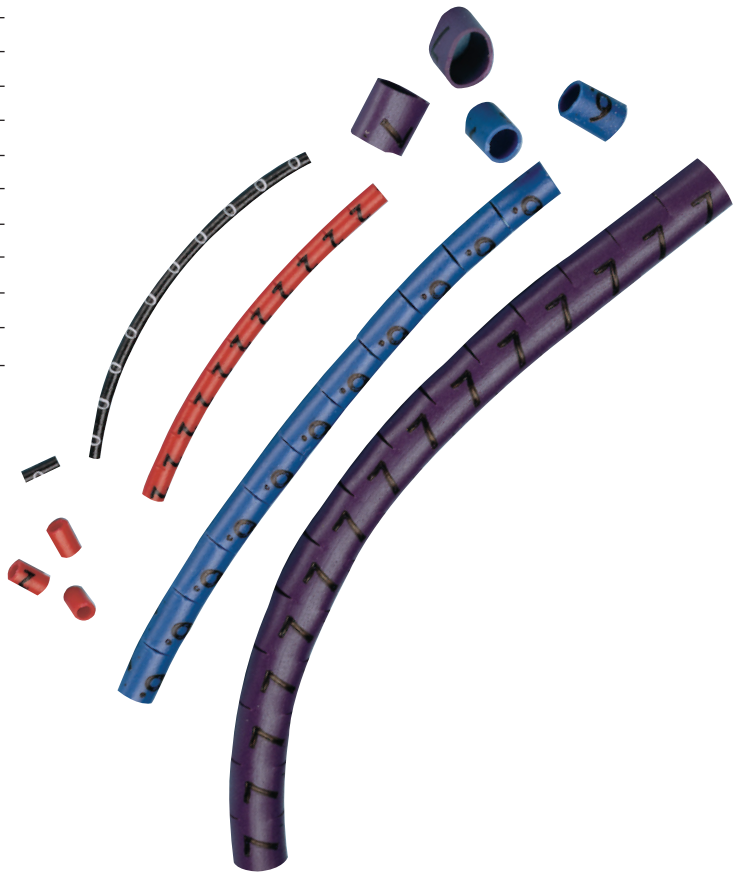
For areas where space and weight saving is required.

Material Data

Material	Flexible Polyvinyl Chloride, cadmium free (PVC)
Colour	Yellow, international resistor colour code
Flammability	Self extinguishing
Operating Temperature	-65°C to +105°C, Intermittent +135°C
Specification	UL224, BS 3858 Type 3, IEC 684-3-101 / 104

Ordering Information

Code	Cable Dimensions OD (mm)	Wall Thickness (mm)	Tool
PU050	0,5	0,3	-
PU075	0,75	0,3	-
PU10	1,0	0,3	-
PU12	1,2	0,3	-
PU15	1,5	0,3	TJC00
PU20	2,0	0,3	TJC1-3
PU25	2,5	0,3	TJC1-3
PU30	3,0	0,3	TJC1-3
PU40	4,0	0,3	TJC2-5
PU55	5,5	0,35	



Polychloroprene Markers H

Features and Benefits

The range of Helsyn Markers is extruded from a high grade polychloroprene compound that gives excellent elasticity, and surface finish which is ideal for indelible marking. The polychloroprene markers are ideally suited for the identification of a wider range of wire and cable sizes in standard environments. The markers can be stretched x5 in fitting and x2 in continuous use. The high elasticity of the material ensures many cable diameters can be covered with one size of marker which helps toward keeping inventory costs down. Markers are available in international resistor colour coding.

Application

The polychloroprene markers (H) are ideally suited to rigorous environments such as aerospace, mass transit and defence markets.

- Extruded from a Neoprene compound.
- Ideal for binding and identification of cable harnesses.
- Custom marking.
- Various colours available.
- Good resistance to aromatic fuels, aliphatic non-polar oils, hydraulic fluids and mould growth.
- Temperature range of -65°C – 105°C .
- Fitting tools available.

Universal Sleeve Fitting Tool (D/G Kits)

- Helsyn sleeve fitting tool.
- Interchangeable prongs.

Ordering Information

Tool	
Code	Description
D-kit	Complete Tool - 1,2 to 11,5 mm.
NA8/10	Complete Tool - 10,0 to 25,0 mm.

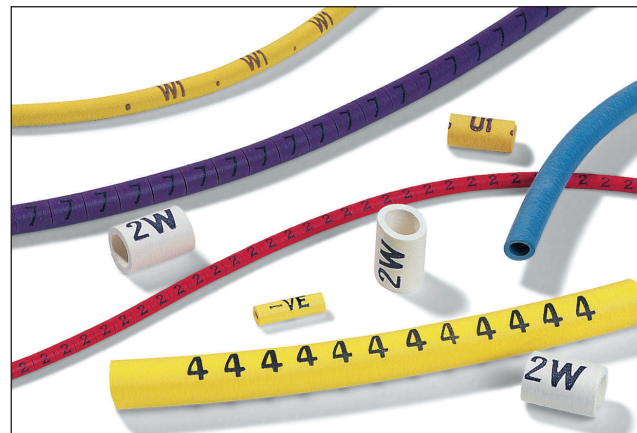
Spare Prongs

Code Prong.	Sleeve Size	Maximum Sleeve Length (mm)	Maximum Tool Expansion
SS	H12 - H20	20	15
S	H30	20	15
K	H50 - H100	32	17

Hellerine Lubricant

The use of Hellerine Lubricant is strongly recommended when fitting sleeves with Hellermann tools or jigs. Hellerine, a non-conductor of electricity, is also the ideal lubricant for fitting synthetic rubber and PVC components.

- For use with sleeve fitting tools.
- Guaranteed to be completely fungistic.



Highly flexible, legible and easy to apply.

Ordering Information

Code	Internal Diameter (mm)	Maximum OD of Cable (mm)	Wall Thickness (mm)	Standard Length (m)
H12	1,2	2,4	0,7	100
H15	1,5	3,0	0,8	100
H20	2,0	4,0	0,8	100
H30	3,0	6,0	0,8	100
H50	5,0	10,0	1,05	100
H75	7,5	15,0	1,25	100
H100	10,0	20,0	1,5	1,67
H150	15,0	30,0	1,7	1,67
H200	20,0	40,0	2,0	1,67

Material Data

Material	Chloroprene (CR)
Colour	International resistor colour code
Flammability	UL94 HB
Operating Temperature	-65°C to $+95^{\circ}\text{C}$, Intermittent 120°C
Specification	IEC 304, IEC 757, BS 3858 Type 1, IEC 684-3-116, BS 3858 Type 2, BS 4 G 198 Part 1 Type 1, DEF STAN 59-15 D2



Helsyn Neoprene Rubber Tubing H

Features and Benefits

The high elasticity of the material ensures many cable diameters can be covered with one size of sleeve.

Can withstand up to 120°C intermittent temperature.

Application

The polychloroprene tubings (H) are ideally suited to rigorous environments such as aerospace, mass transit and defence markets.

As the material is highly elastic, it's original size can be expanded 500% on application and 200% in continuous use.

Sleeves are available in international resistor colour code and pink.



H rubber tubing is highly flexible and easy to apply.

Technical Table

Code	Colour	Supplied Ø D	Wall (WT)
H30 tubing	Black (BK)	1.2	0.7
H50 tubing	Black (BK)	1.5	0.8
H75 tubing	Black (BK)	2.0	0.8
H100 tubing	Black (BK)	3.0	0.8
H150 tubing	Black (BK)	5.0	1.0
H12 tubing	Black (BK)	7.5	1.3
H15 tubing	Black (BK)	10.0	1.5
H20 tubing	Black (BK)	15.0	1.7

All dimensions in mm. Subject to technical changes.

Available in the following Colours : Blue, Green/Yellow, Brown, Grey



Material Data

RoHS	Material	Neoprene
	Operating Temperature	-65°C to +95°C, Intermittent 120°C
	Flammability	UL94 HB
	Specification	BS 3858 Type 1, IEC 684-3-116, BS 4 G 198 Part 1 Type 1, DEF STAN 59-15 D2

Hellerine Lubricant

Hellerine is an effective aid for installation of elastomer sleeves. It slowly evaporates after installation so that sleeves can still be manipulated if necessary. Hellerine is ideal for lubricating most rubber and plastic markers and sleeves. Hellerine is available in a 200 ml container.

Technical Table

Code	Description
HEL200	Hellerine, 200 ml

Subject to technical changes.



Hellerine lubricant in 200 ml plastic bottle.



Please Note for Product Specific Approvals please refer to Chapter 6.0

Brother P-touch PT 80

Features

- 9 print styles
- 12 characters x 2 lines
- 3 print sizes
- QWERTY keyboard
- 7 frames / backgrounds
- Tape widths – 9/12 mm (MK Tapes)
- 7.5 mm/sec print speed

Technical Table

Code	Tape Width	Tape Length	Colour
MK221	9 mm	8 m	Black/White
MK231	12 mm	8 m	Black/White



Brother P-touch PT 2100 Desktop/PC

Features

- 1800 character information
- 4 fonts
- 10 styles
- 7 sizes
- 4 tape widths – 6/9/12/18 mm
- Mains adapter included
- USB, PT Edit 4.0



Brother P-touch PT 1290

Features

- 9 print styles
- TZ Tape (Laminated)
- 15 print sizes
- QWERTY keyboard
- 7 frames
- Tape widths – 3/5/6/9/12 mm
- 10 mm/sec print speed



Brother P-touch PT-7600

Features

- USB download
- 1 font style
- 8 print sizes
- 8 print styles
- Normal, Rotate, Rotate & Repeat Printing, Port, Panel & Flag Labels
- Printing on 7 lines
- 7 barcodes
- 5 tape widths – 6/9/12/18/24 mm
- Includes carry case
- Mains adapter included



Code	Fonts	Number of print sizes	Print styles	Barcode	Mains adaptor	Weight	Dimensions (W x D x H mm)	Tape length	Tape width	Computer interface
PT-80	1	3	9	No	Optional	245 g	172 x 100 x 58 mm	8 m	9/12 mm	No
PT-1290	2	15	9	No	Yes	485 g	159 x 157 x 61.7 mm	8 m	3/5/6/9/12 mm	No
PT-2100	4	8	10	Yes	Yes	820 g	177 x 231 x 64 mm	8 m	6/9/12/18 mm	USB, PT Edit 4.0
PT-7600	1	6	8	Yes	Yes	610g	134 x 235 x 78 mm	8 m	6/9/12/18/24 mm	USB Download only

Technical Table

Code	Tape Width	Tape Length	Colour
TZ121	9 mm	8 m	Black/CL
TZ131	12 mm	8 m	Black/CL
TZ231	12 mm	8 m	Black/White
TZ233	12 mm	8 m	Black/White
TZ251	24 mm	8 m	Black/White
TZ421	9 mm	8 m	Black/Red
TZ631	12 mm	8 m	Black/Yellow
TZ641	28 mm	8 m	Black/Yellow

Other tapes and colours available upon request.



Hellermark RF

Features and Benefits

Hellermark RF is a factory-embossed stainless steel marking system specifically designed for extreme conditions with text supplied as per the customer's request.

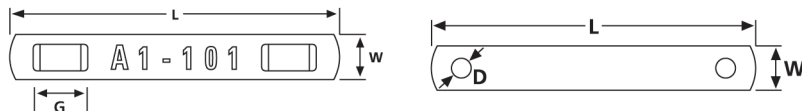
Cables, pipes, conduits and other parts can all be permanently marked with easily readable, clear text. The material used is grade V4A-equivalent stainless steel.

With Hellermark RF, the desired text is embossed in a single line on request. These plates are delivered either for fastening with MBT or MAT series stainless steel cable ties up to 8mm wide or alternatively with two 3.5mm diameter holes for fastening with screws or rivets.

When ordering, the individual marking data and the number of desired markers can be provided on paper or in electronic form in an ASCII (.txt) or MS-Excel (.xls) format file.

Application

Hellermark RF Markers are used in all areas where severe mechanical or chemical conditions occur e.g. offshore industry, marine engineering, petrochemical industry, mining, underground or outside radio engineering where mark permanence is critical.



Technical Table

Code	Fixing Method	Strap Width max. (G)	Ø D	Number of Characters	Width (W)	Length (L)
RF10-5	Metal tie MBT/MAT	8.0	–	up to 5	10.0	54.5
RF10-10	Metal tie MBT/MAT	8.0	–	6-10	10.0	73.0
RF10-15	Metal tie MBT/MAT	8.0	–	11-15	10.0	91.5
RF10-20	Metal tie MBT/MAT	8.0	–	16-20	10.0	110.0
RF11-5	Screw/rivet	–	3.5	up to 5	10.0	42.5
RF11-10	Screw/rivet	–	3.5	6-10	10.0	61.0
RF11-15	Screw/rivet	–	3.5	11-15	10.0	79.5
RF11-20	Screw/rivet	–	3.5	16-20	10.0	98.0

All dimensions in mm. Subject to technical changes.



Hellermark RF.

Material Data

RoHS	Material	Stainless Steel Type SS316 (SS316)
	Colour	Metal
Chem. Material	Corrosion resistant, weather resistant, antimagnetic.	
Properties	Outstanding chemical resistance to aggressive chemicals, e.g. industrial vapours, seawater, salt spray in onshore and offshore areas, inorganic acids, Hydrochloric Acid and Halogen salts.	
Operating Temperature	-80°C to +538°C	



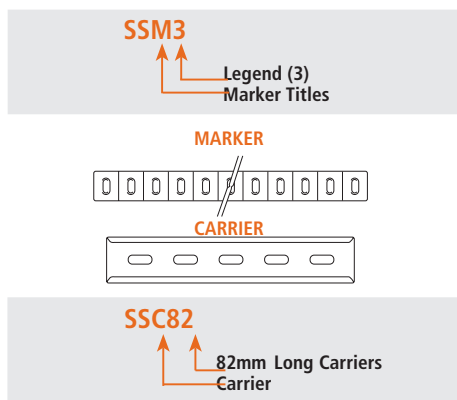
Hellermark - Stainless Steel Marking System

Features and Benefits

Hellermark stainless steel embossed marker tiles are designed for use in harsh and hazardous conditions. Hellermark is manufactured from grade 316 stainless steel which makes it ideal for use in aggressive environments. With Hellermark SSM, it is possible to combine SSC sign carriers, SSM individual marker tiles and SSCP end clips into simple, individual markings. The carriers are fastened using MBT or MAT stainless steel cable ties with a size of up to 8 mm wide. Alternatively, the two 3mm holes on the carrier plate can be used for fixing by means of screws or rivets.



Hellermark SSM.



Marking Text	Type	Pack Cont.
0	SSM	200
1	SSM	200
2	SSM	200
3	SSM	200
4	SSM	200
5	SSM	200
6	SSM	200
7	SSM	200
8	SSM	200
9	SSM	200
+	SSM	200
-	SSM	200
Earth Symbol	SSM	200
.	SSM	200
,	SSM	200
-	SSM	200
&	SSM	200
*	SSM	200
)	SSM	200
;	SSM	200
>	SSM	200
#	SSM	200
@	SSM	200
=	SSM	200
~	SSM	200
-	SSM	200
/	SSM	200

All dimensions in mm. Subject to technical changes.

Technical Table

Code	Width (W)	Length (L)	Marker tiles per carrier	Pack Cont.
SSCP	-	-	-	100
SSC46	11	46	5	10
SSC56	11	56	7	10
SSC82	11	82	11	10
SSC106	11	106	15	10
SSC134	11	134	20	10
SSC286	11	286	45	10

All dimensions in mm. Subject to technical changes.

Technical Table

Marking Text	Type	Pack Cont.
A	SSM	200
B	SSM	200
C	SSM	200
D	SSM	200
E	SSM	200
F	SSM	200
G	SSM	200
H	SSM	200
I	SSM	200
J	SSM	200
K	SSM	200
L	SSM	200
M	SSM	200
N	SSM	200
O	SSM	200
P	SSM	200
Q	SSM	200
R	SSM	200
S	SSM	200
T	SSM	200
U	SSM	200
V	SSM	200
W	SSM	200
X	SSM	200
Y	SSM	200
Z	SSM	200

All dimensions in mm. Subject to technical changes.

Helafix Carriers HC and HCR

Features and Benefits

The versatile Helafix HC and HCR character carriers are suitable for temporary or permanent marking. They are fixed in place using series T18 cable ties, screws or rivets. They are also easy to attach for temporary marking.

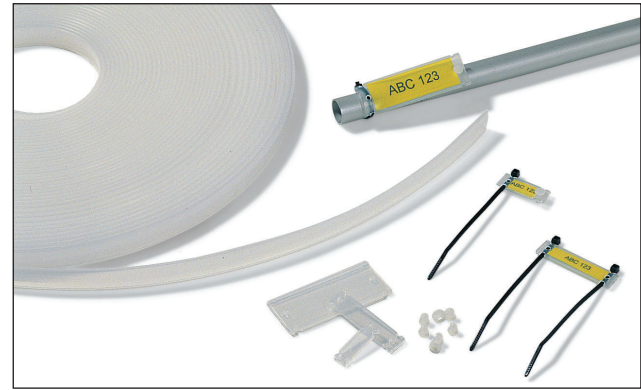
Material and profile reliably protect the inserted label against damp, dirt, damage and UV radiation.

Helafix HC is supplied as cut lengths in bags, pre-cut and pre-punched. Helafix HCR is supplied in reel format and can be cut to size with the appropriate HCT tools.

We recommend HFX labels printed on an office laser printer using our Tagprint Pro labelling software.


Application

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



Multi-purpose identification potential: Helafix HC and HCR.

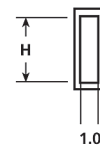
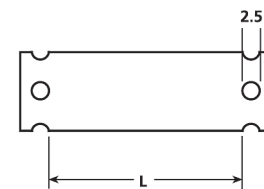
Material Data

RoHS	Material	Polyethelene, UV Resistant (PEUV)
	Colour	Transparent (CL)
	Chem. Material	Excellent resistance to UV light, oils, Water and a variety of solvents.
	Properties	Water and a variety of solvents.
	Operating Temperature	-60°C to +65°C
	Flammability	UL94 HB
	 (halogenfree)	

Technical Table

Code	Length (L)	Height (H)	Recommended Labels	Quantity	Reel Length	Application Tool
Helafix HC						
HC06	17.5	7.0	–	50	–	–
HC06	35.0	7.0	–	50	–	–
HC09	17.5	10.0	HFX9-17P	50	–	–
HC09	35.0	10.0	HFX9-35P	50	–	–
HC09	52.0	10.0	HFX9-52P	50	–	–
HC12	17.5	13.0	–	50	–	–
HC12	35.0	13.0	HFX12-35P	50	–	–
HC12	52.0	13.0	HFX12-52P	50	–	–
HC12	70.0	13.0	–	50	–	–
HC18	35.0	19.0	–	50	–	–
HC18	52.0	19.0	–	50	–	–
HC18	70.0	19.0	–	50	–	–
HC24	52.0	25.0	–	50	–	–
HC24	70.0	25.0	–	50	–	–
Helafix HCR						
HCR06	–	7.0	–	–	25 m	–
HCR09	–	10.0	HFX9	–	25 m	HCT1
HCR12	–	13.0	HFX12	–	25 m	HCT2
HCR18	–	19.0	–	–	25 m	–
HCR24	–	25.0	–	–	25 m	–

All dimensions in mm. Subject to technical changes.



HFX Helafix Labels

Features and Benefits

The HFX labels have been specially developed for application with the Helafix carrier strip. They are supplied in the DIN A4 format and can be printed with a laser printer or marked manually using the T82S series of indelible marker pens. Every sheet of HFXP labels is supplied in two colours (front yellow, reverse page white). Further colours are available on request.

For problem-free printing, we recommend the software Tagprint PRO.



A precise match for Helafix, for permanent identification coding.

Technical Table

Code	Width (W)	Height (H)	Labels per sheet	Sheets per Pack	Carton Quality
HFX-P					
HFX9-17P	17.5	9.0	319	20	6380
HFX9-35P	35.0	9.0	145	20	2900
HFX12-35P	35.0	12.0	110	20	2200
HFX9-52P	52.5	9.0	124	20	2480
HFX12-52P	52.5	12.0	92	20	1840
HFX12-105P	105.0	12.0	44	20	880
HFX24-105P	105.0	24.0	22	20	440
HFX48-105P	105.0	48.0	10	20	200
HFX12-210P	210.0	12.0	22	20	440
HFX24-210P	210.0	24.0	11	20	220
HFX48-210P	210.0	48.0	5	20	100

All Dimensions in mm. Subject to technical changes.

RoHS	Material	Polyester
	Chem. Material Properties	Excellent resistance to alcohol, gasoline, cleaning solvents, butanol, ethyl and butylcellosolve solvent, battery acid. UV light resistant and suitable for outdoor usage when marked with marking pen T82S or printed with laser printer.
	Colour	Yellow (YE), White (WH)
	Operating Temperature	-70°C to +160°C

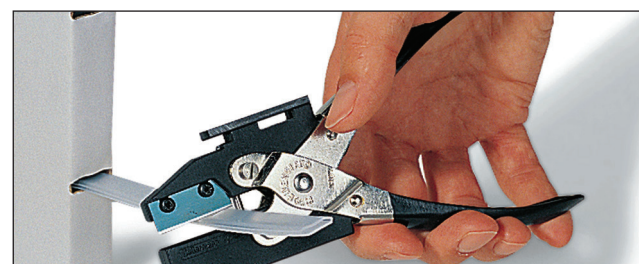


Helafix HCT Tool and Accessories

HCT1 and HCT2 tools are ideal for cleanly cutting Helafix HCR carrier strips as well as punching out the securing holes.

The punching device is designed for HCR09 and HCR12 types of character carriers.

For Helafix HCR06, HCR18 and HCR24 character carrier types, individual holes can be punched with both tools. Both tools punch holes with a diameter of 2.5mm. To fix the carrier holders simply use the T18 range of cable ties, fixings or rivets.



Any length can be used...



...just cut to suit.

Technical Table

Code	For Carrier Width	For Size	Ø D
HCT1	10.0	HCR09	2.5
HCT2	13.0	HCR12	2.5

All dimensions in mm. Subject to technical changes.

TagPrint Pro Professional Label Creation Software

TagPrint Pro label creation and printing software is powerful, multi-functional and extremely easy to use. Used to provide solutions for industrial identification, TagPrint Pro speeds production and offers many options for a wide variety of labelling requirements. 'What You See Is What You Get' (WYSIWYG) label creation, bar coding, serialisation, label sets, wire lists, graphics and text choices are just some capabilities of TagPrint Pro software. TagPrint Pro can be utilised with HellermannTyton's wide array of label options including laser, ink jet, dot matrix and thermal transfer printable labels.

Product Selection

Code	System Requirements	Package Quantity
TAGPRINTPRO Version 2.0 (Full)	Windows XP,	1
TAGPRINTPRO Version 2.0 (Upgrade)	Windows Vista, Windows 7	1

* Existing owners of previous versions of TagPrint can qualify for an upgrade at a reduced cost with proof of purchase and a valid serial number. Contact HellermannTyton for details. Use Part No. for ordering and Type for specification purposes.



New features for Version 2.0

- Alphanumeric sequences
- Print to multiple printers at one time
- "Print later" feature allows user to save jobs in queue and print all at one time
- Print faster
- Connect or import directly from other Databases including Excel, Access, text files
- More bar codes
- Inverse, flip and mirror image for graphic images
- Print log available
- Manually adjust font size to 1/10 of a point
- Customise height and width of characters
- Customise line spacing

System Requirements

- Operating systems – Windows XP, Vista, Windows 7
- 16 MB of available hard disk space

**Thermal Transfer Printers
TT4000-2, TT4000-3, and TT420**

HellermannTyton's range of thermal transfer printers are designed to cover the needs of most users in an industrial environment.

New premium TT4000 printer series

This series is intended for heavy-duty industrial applications. Various options such as the existing HellermannTyton perforator or cutter demonstrate the flexibility and power of this new printer.

Two print heads are available; a 300dpi (TT4000-3) version ideally suited for higher definition graphics such as 2d barcodes and a 203dpi (TT4000-2) version suitable for standard bar coding, numbers and text. Both printers are suitable for printing on labels, heatshrink, and Tiptags. As both printer models can print at speeds up to 250mm/s there is no significant loss of printing output when choosing a higher definition print head.



New standard TT420 printer

An entry-level 203dpi printer that is specifically designed to run HellermannTyton's standard range of adhesive labels and ShrinkTrak. The TT420 is best suited for those with small to medium volume print runs. The standard range of HellermannTyton ribbons can also be used.



Technical Table	
Article-No.	Type
556-00420	TT420
556-04009	TT4000-2-UV
556-04008	TT4000-2-UK



TT420 series printer.

Thermal transfer printer TT420

- Print on ShrinkTrak
- Print on Adhesive Labels
- Uses standard ribbons
- 203dpi print head
- Barcodes: standard and 2D
- Print speed up to 127 mm/s
- Max print width 108 mm
- Max print length 609.6 mm
- 2 MB RAM
- Adjustable label sensor
- Interfaces: serial port, parallel port, USB
- Windows drivers: 2000, XP, Vista & Windows 7
- Dimensions: 213 mm (W) x 314 mm (D) x 188 mm (H)
- Weight 2.8kg



TT4000 series printer.

Thermal transfer printer TT4000-2 and TT4000-3

- Print on ShrinkTrak
- Print on Adhesive Labels
- Print on Tiptags
- Uses standard ribbons
- Print head 203dpi (TT4000-2)/300dpi (TT4000-3)
- Barcodes: standard and 2D
- Print speed up to 250 mm/s
- Max print width 104 mm (203dpi/105.6 mm (300dpi)
- Max print length 2000 mm
- Interfaces: serial port, parallel port, USB
- Adjustable label sensor 5 to 53
- 64MB RAM / 8MB ROM Flash
- Multiple language selection
- Self diagnostic feature
- Interfaces: Serial RS 232 C, USB2.0, Ethernet 10/100 Base T, LPD, RawIP-Printing, DHCP, HTTP, FTP, SMTP, SNMP, NTP, USB Master for keyboard and scanner
- Windows drivers: 2000, XP, Vista & Windows 7
- Mac drivers: OS X drivers from version 10.3
- Dimensions: 242mm (W) x 446mm (D) x 274 mm (H)
- Weight 9kg
- Options: cutter S3000 and perforators P3000

T.I.P.S. Ribbons

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.

Recommended ribbons for printing on shrinking sleeve

The range of ribbons has been designed to give maximum print clarity and performance. Material can be handled immediately after printing, enabling the printed tubing to be immediately applied without a secondary mark stabilising operation.

Ribbons for printing on heat shrink tubing

Product Selection

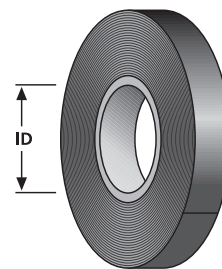
Type	Colour	Width (W)	Quantity per pc
TTRW 30MM	White (WH)	30.0	300 m
TTRC+ 30MM **	Black (BK)	30.0	300 m
TTDTHOUT 40MM	Black (BK)	40.0	300 m
TTRC+ 60MM **	Black (BK)	60.0	300 m
TTDTHOUT 60MM	Black (BK)	60.0	300 m
TTRC+ 100MM **	Black (BK)	100.0	300 m
TTRW 100MM	White (WH)	100.0	300 m
TT822OUT8 110MM	Silver Grey (SRGY)	100.0	300 m

All dimensions in mm. Subject to technical changes.

** Patent GB98074362



Ribbons - TTRA, TTRC+.




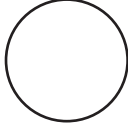
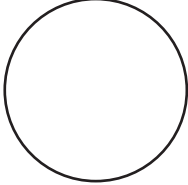
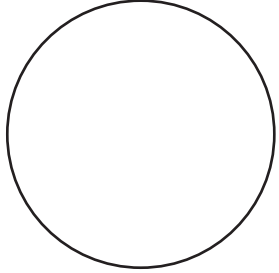
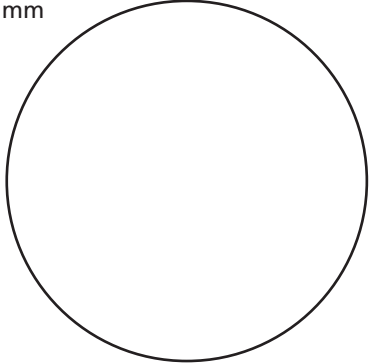


ID: The standard inside core diameter is 25.4 mm. Other sizes are available on request.

Wire Diameter Guide to HellermannTyton Labels

This guide can be used to determine which labels will work best with the wire diameter selected. Simply place

the end of the wire over the appropriate circle to select the best label size.

If your wire or cable diameter is less than or equal to below, use:	Spirit 2100 Labels	ShrinkTrak Markers	Laser Labels	Ink Jet Labels
2,54 mm 	TAGH26-100 TAGH51-100	THS-610 THS-615	TAG26L-105	TAG26L-994 TAG51J-994
5,08 mm 	TAGH22-100 TAGH2-100	THS-620	TAG63L-105 TAG49L-105 TAG51L-105	TAG5J-994 TAG22J-994
7,1 mm 	TAGH2-100 TAGH22-100 TAGH24-100 TAGH25-100	THS-625	TAG2L-105 TAG5L-105 TAG63L-105 TAG52L-105	TAG22J-994
13,7 mm 	TAGH9-100 TAGH10-100	THS-630	TAG9L-105 TAG1L-105 TAG10L-105 TAG65L-105	TAG9J-994
23,9 mm 	TAGH3-100 TAGH6-100 TAGH95-100	THS-640	TAG50L-105 TAG64L-105	TAG64J-994
35,6 mm 	TAGH4-100			
48,3 mm 	TAG7T1-100B TAG38T4-100B			TAG7-100 TAG8-100 TAG23-100 TAG38-100

ShrinkTrak™ Heat Shrinkable Markers

HellermannTyton's ShrinkTrak™ heat shrinkable markers make it easy to mark wire, cable, and other components. These ladder-style markers are designed with side slits for easier application. All ShrinkTrak™ markers are military specified. They also reduce printer jams with their efficient and high performance design. For seamless labelling, ShrinkTrak™ can be printed using HellermannTyton's TagPrint™ Pro professional label creation software, thermal transfer printers and ribbons to create a permanent and solvent resistant print when shrunk and applied.

Versatile

- Flexible, flame retardant, heat shrinkable polyolefin tubing meets all military specifications.
- 3:1 shrink ratio.
- Standard colours - yellow, white and black.
- Larger packaging options result in less box changes.

High-Performance Design

- Centre-slit versions reduce or eliminate hand cutting.
- Non-slip, printable liner allows additional marker data to be printed on the reverse side for records and placement instructions.
- Utilise HellermannTyton's Durattach ribbon system for the highest print performance on the market.

Reduce Printer Jams

- Markers dispense directly into HellermannTyton thermal transfer printers with custom box opening.
- Dispense markers faster and easier with waxed core dispenser.

Ease of Use - Step by Step Guide



Step 1
Print with thermal transfer printer



Step 2
Bend liner at side slit



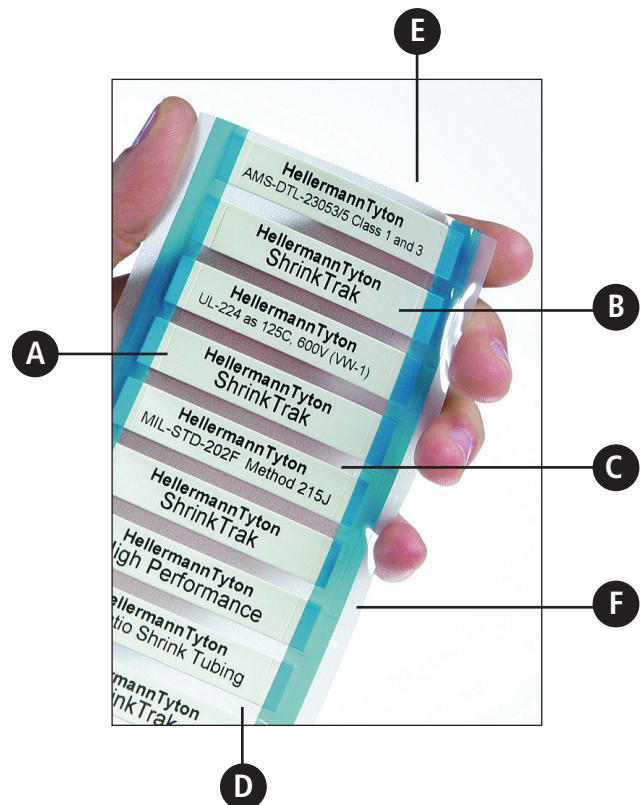
Step 3
Insert wire into marker



Step 4
Pull-up on wire - the marker will pull away from liner



ShrinkTrak applied!



- A. Side slit for easy insertion and removal from liner.
- B. Smooth, flat surface allows for consistent printing.
- C. Reduced spacing between markers for more efficient use of ribbon material.
- D. Markers firmly secured on anti-static liner to reduce static build-up in printers.
- E. Standard width to fit almost all thermal transfer printers.
- F. Pin-feed system not required.

ShrinkTrak™ Heat Shrinkable Markers



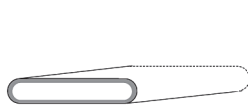
Material Data

Material	Polyolefin, cross-linked (POX)
Product Thickness	3mm total thickness
Shrink Temperature (nominal)	+90°C
Operating Temperature	-55°C to +135°C
Flame Retardant	Yes
Flammability	UL224 VW1
Flexibility	flexible
Abrasion Resistance	Good
Solvent Resistance	Good
Standard Colors	White, Yellow & Black
*For other colors, contact HellermannTyton	
UL Rating	Meets UL-224 as +257°F (+125°C), 600V (VW-1)
Certification	AMS-DTL-23053/5 Class 1 and 3, SAE-AS81531, MIL-STD-202G Method 215K



ShrinkTrak Specification

Diameter Size	3.18 mm	4.75 mm	6.35 mm	9.525 mm	12.7 mm	19.05 mm	25.4 mm
Wire Size Range (AWG/MCM)	.044 - 1	.063 - .17	.083 - .230	.122 - .340	.166 - .470	.25 - .725	.330 - .876
Inside Diameter as Supplied (mm)*	3.0 +/- 0.6	4.5 +/- 0.8	6.0 +/- 1.0	9.0 +/- 1.0	12.0 +/- 1.0	18.6 +/- 1.0	26.0 +/- 1.0
Inside Diameter After Recovery (mm)	1.0	1.6	2.1	3.1	4.2	6.35	8.3
Wall Thickness After Recovery (mm)	.53 +/- 0.10	.65 +/- 0.10	.71 +/- 0.10	0.78 +/- 0.15	0.83 +/- 0.15	0.91 +/- 0.15	.99 +/- 1.6
Overall Width (mm)	5.3 +/- 1.0	7.7 +/- 1.3	10.1 +/- 1.6	14.9 +/- 1.6	19.7 +/- 1.6	30.8 +/- 1.6	41.38 +/- 1.6
Overall Height (mm)	0.508	0.508	0.508	0.558	0.582	0.63	0.76
Dimensional Reference (if the wire or cable diameter is less than or equal to)							



**Recovered

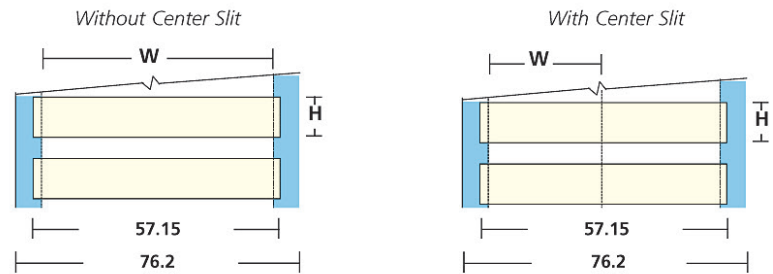


*As supplied

* Contact HellermannTyton for custom colour options.

** Meets printer performance requirements of SAE-AS81531 using the ribbons listed above in any thermal transfer printer, including HellermannTyton's TT320SM and TT1210

ShrinkTrak™ Heat Shrinkable Markers continued




Product Selection						
Code	Cross Reference	Colour	Center Slit	Width (W) mm	Height (H) mm	Pkg. Qty.
3.17mm - Outside Diameter						
THS-610W	HST3-1WH	White	-	48.26	5.97	250
THS-610Y	HST3-1YE	Yellow	-	48.26	5.97	250
4.74mm - Outside Diameter						
THS-615W	HST4.8-16WH	White	-	48.26	7.92	250
THS-615Y	HST4.8-16YE	Yellow	-	48.26	7.92	250
6.35mm - Outside Diameter						
THS-620W	HST6-2WH	White	-	48.26	10.67	250
THS-620Y	HST6-2YE	Yellow	-	48.26	10.67	250
9.52mm - Outside Diameter						
THS-625W	HST9-3WH	White	-	48.26	15.16	250
THS-625Y	HST9-3YE	Yellow	-	48.26	15.16	250
12.7mm - Outside Diameter						
THS-630W	HST12-4WH	White	-	48.26	19.55	250
THS-630Y	HST12-4YE	Yellow	-	48.26	19.55	250
19.05mm - Outside Diameter						
THS-635W	HST18-6WH	White	-	48.26	30.48	250
THS-635Y	HST18-6YE	Yellow	-	48.26	30.48	250
25.4mm - Outside Diameter						
THS-640W	HST24-8WH	White	-	48.26	42.93	250
THS-640Y	HST24-8YE	Yellow	-	48.26	42.93	250

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

Laser Tag Label Materials

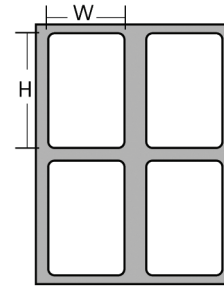
Laser Tags are durable, laser printable labels for applications requiring clear, crisp legibility. The labels come on 216 mm x 279 mm sheets and are printable using HellermannTyton TagPrint Pro software and a standard laser printer. Specially designed adhesives and materials are used for the Laser Tags, ensuring that the labels will not curl, change colour, or jam laser printers. Laser Tags are available in die-cut on 216 mm x 279 mm polyester sheets.



Label Material	105 Material RoHS	788 Material RoHS	788C Material RoHS	789 Material RoHS
Material Name	Self-Laminating Laser Polyester	White Laser Polyester	Clear Laser Polyester	White Laser Polyester
Printer(s)	Laser	Laser	Laser	Laser
Topcoat	Specially formulated for superb ink anchorage	Specially formulated for superb toner anchorage for most laser printers	Specially formulated for superb toner anchorage for most laser printers	Specially formulated for superb ink anchorage
Liner	82#	68#	68#	90#
Temperature Range	-40°C to +149°C	-40°C to +92°C	-40°C to +92°C	-40°C to +149°C
Adhesive Type	Permanent pressure sensitive acrylic	Permanent pressure sensitive acrylic	Permanent pressure sensitive acrylic	Permanent pressure sensitive acrylic
Application	Excellent for on-the-job wire marking. Ideal for flat ribbon cable, machine tool and underground wiring. Smallest diameter is 3.81 mm	Excellent for general purpose component or panel marking. Bar code printable	Excellent for general purpose component or panel marking. Bar code printable	For flat labelling applications that require solvent or high temperature resistance. Bar code printable. Can be used to mark electronics and printed circuit boards
Certifications				
Outdoor Durability	N/A	1 year	1 year	2 years
Chemical Resistance	Good for most petroleum based solvents and lower aliphatic alcohols. not good for most esters and ketones. Water resistant.	Applied labels will be resistant to water, mild acids, alkalis, salts and most petroleum based solvents, oils, greases, aliphatic solvent such as kerosene, keptane and reference fuel	Applied labels will be resistant to water, mild acids, alkalis, salts and most petroleum based solvents, oils, greases, aliphatic solvent such as kerosene, keptane and reference fuel	Applied labels will be resistant to water, mild acids, alkalis, salts and most petroleum based solvents, oils, greases, aliphatic solvent such as kerosene, keptane and reference fuel

Laser Tag Labels

HellermannTyton's Laser Tag labels are used for component marking.



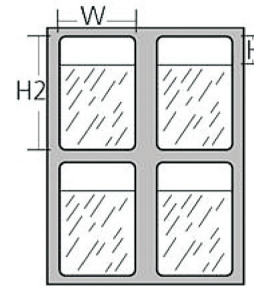
Technical Table

Code	Type	Width (W) mm	Height (H) mm	Labels per Row	Labels per Column	Labels per Sheet	Pkg. Qty.
788 Material							
TAGPP1-788	TAGPP1	15.87	7.87	12	30	360	1000
TAGPP2-788	TAGPP2	16.7	8.38	12	30	360	1000
TAG62L-788	TAG62L	31.75	9.52	5	25	125	1000
TAG61L-788	TAG61L	66.67	25.4	3	10	30	7500
TAG60L-788	TAG60L	71.88	38.1	3	7	21	5250
TAG59L-788	TAG59L	101.60	38.1	2	7	14	3500
TAG58L-788	TAG58L	101.60	50.8	2	5	10	2500
TAG56L-788	TAG56L	101.60	84.5	2	3	6	1500
TAG57L-788	TAG57L	107.90	69.8	2	4	8	2000
TAG55L-789	TAG55L	107.90	139.70	2	2	4	500
TAG54L-788	TAG54L	215.90	139.70	1	2	2	500
TAG53L-788	TAG53L	215.90	274.6	1	1	1	250
788C Material							
TAGPP1-788C	TAGPP1	15.87	7.87	12	30	360	1000
TAGPP2-788C	TAGPP2	16.7	8.38	12	30	360	1000
789 Material							
TAG11L-789	TAG11L	16.50	5.08	10	48	480	5000
TAG13L-789	TAG13L	19.00	6.35	8	39	312	5000
TAG14L-789	TAG14L	25.40	9.52	7	25	175	5000
TAG15L-789	TAG15L	25.40	12.70	7	19	133	5000
TAG96L-789	TAG96L	47.62	6.35	4	36	144	1000
TAG69L-789	TAG69L	50.8	6.98	4	35	140	5000
TAG67L-789	TAG67L	73	9.52	2	25	50	1000
TAG66L-789	TAG66L	91.4	9.52	2	25	50	1000
TAG68L-789	TAG68L	96.5	6.98	2	35	70	2500
TAG45L-789	TAG45L	101.60	20.32	2	12	24	5000
Cardstock Material							
TAGPHONE	TAGPHONE	44.45	9.52	4	21	84	1000

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

Self-Laminating Laser Tags

HellermannTyton self-laminating Laser Tags are durable, yet conformable to compound surfaces like wires and cables. These labels can be wrapped onto wires without fear of flagging or popping off the wires. The clear overlap protects printed information. Self-laminating Laser Tags are made of 1.0 MIL polyester material.



Product Selection

Code	Type	Width (W) mm	Height of Printable Area (H) mm	Height of Label (H2) mm	Labels per Row	Labels per Column	Labels per Sheet	Packaging Quantity
105 Material								
TAG26L-105	TAG26L	12.70	9.5	19.0	16	16	156	5000
TAG2L-105	TAG2L	12.70	12.7	36.5	16	7	112	5000
TAG5L-105	TAG5L	20.30	12.7	36.4	8	7	56	5000
TAG65L-105	TAG65L	20.70	20.7	53.9	9	4	36	1000
TAG51L-105	TAG51L	25.40	8.89	19.0	8	12	84	5000
TAG49L-105	TAG49L	25.40	8.8	25.5	8	8	70	2500
TAG63L-105	TAG63L	25.40	12.7	33.78	8	7	49	2500
TAG9L-105	TAG9L	25.40	19.00	57.1	7	4	28	1000
TAG50L-105	TAG50L	25.40	25.4	80.4	8	3	21	1000
TAG64L-105	TAG64L	29.6	21.08	84.6	6	3	18	1000
TAG1L-105	TAG1L	48.20	19.0	82.5	4	3	12	1000
TAG52L-105	TAG52L	50.80	33.70	33.7	3	7	21	1000
TAG10L-105	TAG10L	50.8	19.1	57.2	4	4	16	1000

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

Coloured Ribbons (available on request)

- Thermal Transfer
- Inkjet
- Dot Matrix

Spirit® 2100 Portable Printing System

HellermannTyton's Spirit® 2100 portable printing system is easy to use and features "What You See Is What You Get" (WYSIWYG) label design and creation on a LCD screen that shows the outline of the label. Just type in the text (which is displayed on the screen), choose from several print sizes, and press the print button. It's that simple! The printer automatically detects the label and determines the proper size template for easy editing.

The Spirit 2100 provides fast, high quality, thermal transfer printing for permanent and highly legible label printing. The Spirit 2100 prints on many different types of label materials for wire, cable, and component marking. Self-laminating, white and metalised polyester, and tamper evident materials for calibration and security labelling are available for use with the Spirit system.

Label Loading

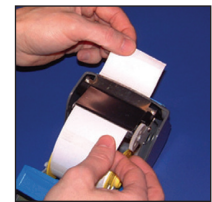
Each roll of labels is loaded onto a reusable spindle. No need to mechanically feed and align the labels.



Drop the label roll into the printer



Pull the labels over the top (like loading film into a camera)



Close the cover

Product Selection

Code	Type	Description	Pkg. Qty.
HT2100	HT2100	Portable Printing System includes: Spirit 2100 printer, HT2100 rechargeable battery and charger, ribbon cartridge, TAGH73-336, printer manual, CD-Rom tutorial, hard shell case, cleaning card, cleaning pen and Spiritlink computer interface software (interface software cable sold separately)	1

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

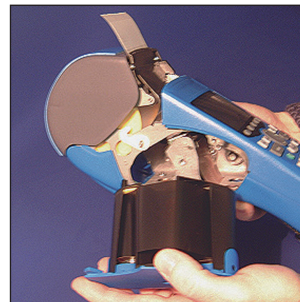
Ribbon

The ribbon is supplied in a self-contained cartridge for easy loading. *One ribbon per package.*

Product Selection

Code	Type	Description	Pkg. Qty.
BC10	BC10	Battery Charger	1
2100CASE	2100CASE	Spirit Carrying Case	1
2100CABLE	2100CABLE	SpiritLink Interface Cable	1
RBP1	RBP1	Battery Pack	1
2100PEN	2100PEN	Cleaning Pen	1
TS3003039	TS3003039	Spirit label Spindle Roll	1
TS3003040	TS3003040	Spirit label Spindle cap	1
2100CARD	2100CARD	Printhead Cleaning Card	1
2100AC	2100AC	AC Adaptor	1

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



Spirit Ribbons

Product Selection

Code	Type	Description	Width (W) mm	Height (H) mm	Pkg. Qty.
HHIGR	HHIGR	Replacement ribbon cartridge	50.8	63.5	40 m
HHHST	HHHST	Ribbon cartridge	50.8	63.5	40 m
HHDTH	HHDTH	Replacement Durattach ribbon	50.8	63.5	40 m

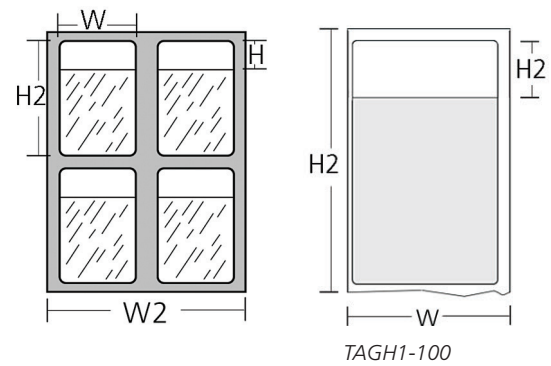
Dimensions are approximate and subject to technical changes. Use **Code** for ordering and **Type** for specification purposes.

* HHIGR works on all materials

** HHDTH can only be used with label materials that have the DTH extension. This provides superior performance to most chemicals and solvents.

Spirit 2100 Self-Laminating Labels

Self-laminating labels are used for marking wire and cable. The clear overlap protects printed information.



Product Selection

Code	Type	Colour	Width (W) mm	Height of Printable Area (H) mm	Height of Label (H) mm	Width of Liner (W2) mm	Packing Quantity
TAGH26-100	TAGH26	White	12.7	8.8	19.05	22.22	500
TAGH2-100	TAGH2	White	12.7	12.7	36.5	22.22	250
TAGH2-1004	TAGH2	Yellow	12.7	12.7	36.5	22.22	250
TAGH25-100	TAGH25	White	19.05	12.7	44.45	22.22	175
TAGH51-100	TAGH51	White	25.4	8.8	19.05	28.57	500
TAGH22-100	TAGH22	White	25.4	12.7	36.5	28.57	250
TAGH22-1004	TAGH22	Yellow	25.4	12.7	36.5	28.57	250
TAGH9-100	TAGH9	White	25.4	19.05	57.1	53.97	100
TAGH9-1004	TAGH9	Yellow	25.4	19.05	57.1	53.97	100
TAGH3-100	TAGH3	White	25.4	25.4	95.25	28.57	100
TAGH23-100	TAGH23	White	25.4	38.1	188.89	28.57	50
TAGH95-100	TAGH95	White	38.1	25.4	95.25	41.25	100
TAGH1-100	TAGH1	White	48.26	19.05	81.02	51.43	100
TAGH24-100	TAGH24	White	50.8	12.7	36.5	53.97	250
TAGH10-100	TAGH10	White	50.8	19.05	57.1	53.97	100
TAGH6-100	TAGH6	White	50.8	25.4	95.25	53.97	100
TAGH4-100	TAGH4	White	50.8	38.1	150.79	53.97	50

Dimensions are approximate and subject to technical changes. Use **Code** for ordering and **Type** for specification purposes.

Flex-Tag Markers

The Flex-Tag marking system is a non-adhesive, labour saving method for identifying wire and cable.

Used with TagPrint Pro software, the Flex-Tags work as an efficient, computerised system. Delivered on fan-folded, pin-fed cards, Flex-Tags are sturdy, yet thin enough to work with dot matrix printers — 9 pin printers are recommended. Flex-Tags can also be marked with a pen.

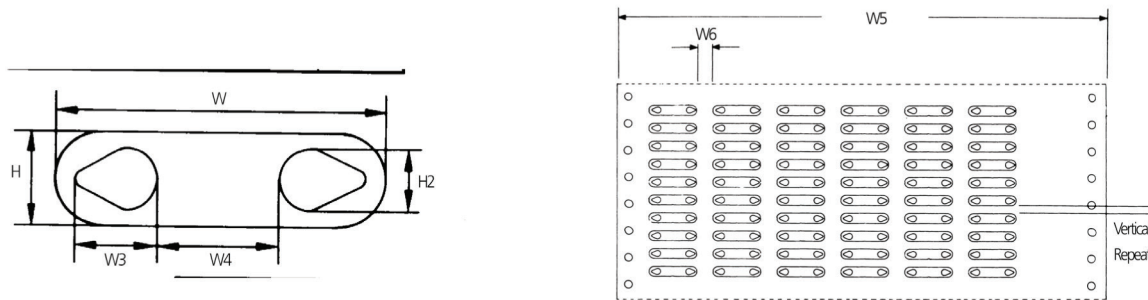
Manufactured from a 25 mm thick, white polyester, Flex Tags provide a scratch resistant surface which resists dirt, UV light, and a variety of solvents.

Installation

Tapered slots are on the end of each marker. To install the Flex-Tag, just bend the card, insert the wire into the tapered slots, and pull. Easy to use, the Flex-Tag system provides permanent identification without sorting, loose markers, or waste.



Actual markers are yellow on the front and white on the back.



Product Selection

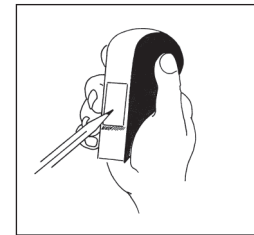
Code	Wire Diameter	Approximate Wire Gauge	Width (W) mm	Width (W3) mm	Width (W4) mm	Width (W5) mm	Width (W6) mm	Height (H)	Height (H2)	Vertical Repeat	Packing Quantity
TFT-700	.2-.75	18 or smaller	23	3.8	13	228.6	7.0	5.2	2.4	8.38	4500
TFT-710	.75 - 1.5	16-12	23	5.0	11	228.6	7.0	5.2	3.5	8.38	4500
TFT-715	1.5 - 2.5	12-10	25	6.0	11	228.6	5.0	5.7	4.2	7.52	4500
TFT-720	2.6 - 6.0	8	26	6.6	11	228.6	4.0	6.9	5.5	7.97	4500
TFT-730	6-16	8-6	41.15	11	17	228.6	7.92	12	8.2	18.44	1500

Rite-On® Markers

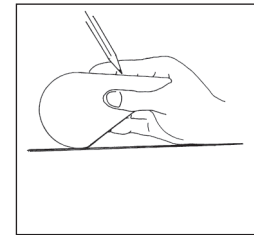
HellermannTyton's Rite-On® Markers are made from a flexible vinyl film and are used to mark wire and cable. The self-laminating labels have a clear tail which seals the legend under clear vinyl, maintaining the quality of the labels. The Rite-On® markers are packaged in a re-useable dispenser made from high impact plastic which is resistant to oils and grease.

Product Features

- Easily and conveniently fits in a pants or shirt pocket.
- Once loaded, unit allows minimal label exposure to dust and moisture.
- Can be used with standard ball point pens or HellermannTyton nylon marking pens.
- Excess liner is easily cut-off by tearing it over the edge guide at the front of the unit.
- The dispenser can be reloaded over and over again, making it a cost-effective and efficient method of labelling.



A special label window holds the label firm for easy marking.



Can be held easily in the palm of the hand to provide a flat writing surface.

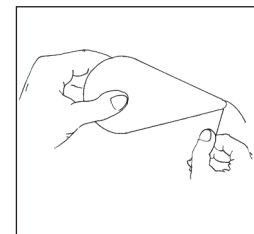
Nylon Marking Pens

When used with a non-smear FTP nylon marking pen, marking is fast and economical.

Product Selection

Code	Type	Colour	Pkg. Qty.
T82-R	T82R-RD	Red	2 pens
T82-S	T82S-BK	Black	2 pens

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



Label dispenses automatically when the liner is pulled from the front of the unit.

Self-Laminating Labels and Dispenser

Product Selection

Code	Width mm	Height of Write-On Area mm	Height of Label mm	Wire Size Range (AWG)	Min. Wire Size mm ²	Markers per Roll	Packing Quantity
RO101	19.05	22.22	152.40	4/0 on up	17.78	40	1 roll
RO175	19.05	19.05	76.2	4 to 4/0	8.46	90	1 roll
RO512	19.05	12.7	47.62	8 to 4 AWG	6.68	150	1 roll
RO514	19.05	9.52	31.75	14 to 8 AWG	13.46	200	1 roll
RO175WP	19.05	19.05	76.2	4 to 4/0	8.46	90	1 roll

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

Refill Rolls

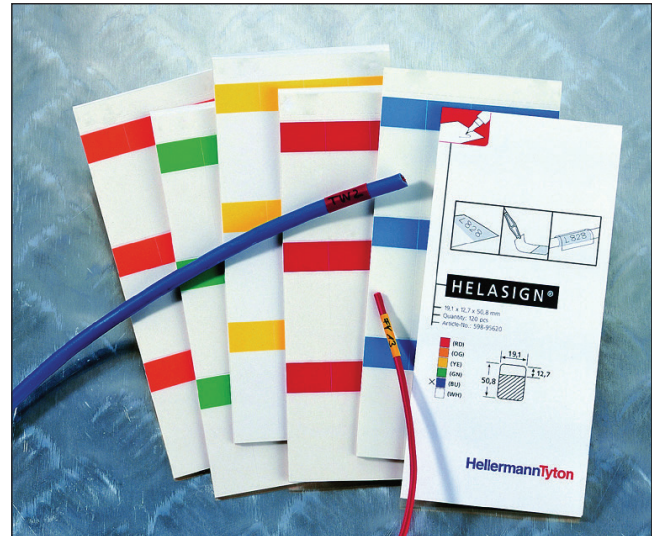
Product Selection

Code	Width mm	Height of Write-On Area mm	Height of Label mm	Markers per Roll	Packing Quantity
101REF	19.05	22.22	152.4	40	1 roll
175REF	19.05	19.05	76.2	40	1 roll
512REF	19.05	12.7	47.62	40	1 roll
514REF	19.05	9.52	31.75	40	1 roll

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

HELASIGN® Self Laminating Booklet

HELASIGN® self-laminating label booklets come in 6 different colours and are very easy to use. The booklet conveniently fits in a pocket, while protecting the labels from dust prior to use. The self-laminating label's clear 'tail' wraps around the text for excellent abrasion and moisture resistance and protection from dust and dirt. Available in three sizes, the HELASIGN® accommodates cable diameters from 4,1 mm - 170,2 mm.



Product Selection

Code	Colour	Width mm	Height of Write-On Area mm	Height of Label mm	Wire Size Range (AWG)	Labels per booklet	Pkg. Qty.
Width 12,7 mm							
HSMB-C1-120	White	12.7	12.7	38.1	8-14	240	1 booklet
HSMB-C1-120	Red	12.7	12.7	38.1	8-14	240	1 booklet
HSMB-C1-120	Orange	12.7	12.7	38.1	8-14	240	1 booklet
HSMB-C1-120	Yellow	12.7	12.7	38.1	8-14	240	1 booklet
HSMB-C1-120	Green	12.7	12.7	38.1	8-14	240	1 booklet
HSMB-C1-120	Blue	12.7	12.7	38.1	8-14	240	1 booklet
Width 19,1 mm							
HSMB-C2-120	White	19.1	12.7	50.8	2-10	120	1 booklet
HSMB-C2-120	Red	19.1	12.7	50.8	2-10	120	1 booklet
HSMB-C2-120	Orange	19.1	12.7	50.8	2-10	120	1 booklet
HSMB-C2-120	Yellow	19.1	12.7	50.8	2-10	120	1 booklet
HSMB-C2-120	Green	19.1	12.7	50.8	2-10	120	1 booklet
HSMB-C2-120	Blue	19.1	12.7	50.8	2-10	120	1 booklet
Width 25,4 mm							
HSMB-C3-120	White	25.4	19.1	76.2	6-0000	60	1 booklet
HSMB-C3-120	Red	25.4	19.1	76.2	6-0000	60	1 booklet
HSMB-C3-120	Orange	25.4	19.1	76.2	6-0000	60	1 booklet
HSMB-C3-120	Yellow	25.4	19.1	76.2	6-0000	60	1 booklet
HSMB-C3-120	Green	25.4	19.1	76.2	6-0000	60	1 booklet
HSMB-C3-120	Blue	25.4	19.1	76.2	6-0000	60	1 booklet

Dimensions are approximate and subject to technical changes. Use **Code** for ordering and **Type** for specification purposes.

Handi-Cards

HellermannTyton Handi-Cards are easy release markers on a plastic card. They feature a strong adhesive which assures a long lasting bond on wire. Permanent, pre- printed legends are available in solid or sequence order.

Handi-Card Legends

Handi-Card legends listed below are also available with a lead time of 3-4 weeks. These legends require a one box minimum.

Solid

TYHC* — 0 thru 999 — A thru Z

Legends listed below come one per box (ex: A1).

A1, A2, A3, A4, A5, A6

B1...B6	H1...H6	R1...R5
C1...C6	J1...J4	S1...S5
D1...D6	K1...K4	T1...T10
E1...E6	L1...L6	X1...X4
F1...F6	M1...M6	Y1... Y4
G1...G4	P1...P4	Z1...Z4

*Each legend to be ordered separately. Example: To order a box of A3, order TYHCA3. Please contact HellermannTyton for more details.

Voltage

2 characters - 36 markers per card

3-4 characters - 25 markers per card

3V	FM	280V	POS	BUS	C+
6V	FWD	440V	PRI	CAP	C-
12V	GEN	460V	SEC	CC	+
24V	GND	480V	SIC	CM	-
110V	HOT	AC	SPARE	COM	LOAD
115V	IGN	ALI	1PHASE	CT	LOW
120V	IN	AM	2 PHASE	CUR	MED
125V	LINE	ANT	3 PHASE	CW	NEG
220V	PHASE	ARM	A+	DC	OFF
230V	PHASE A	BAT	A	DD	ON
240V	PHASE B	BB	B+	FF	OUT
270V	PHASE C	BELL	B-		

Colours: RD= Red, YL=Yellow, LB= Light Blue, DB= Dark Blue, LG= Light Green, DG= Dark Green, BR= Brown, OR= Orange, PK= Pink, GY= Gray, BK= Black, WH= White

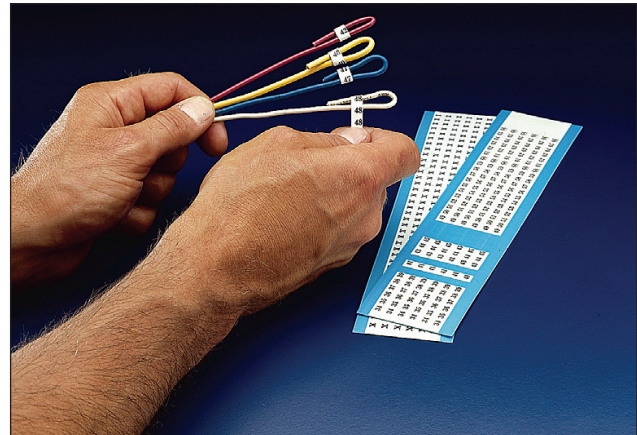
Machine

Legends listed below come one per box (Ex:1T1).

1T1, 1T2, 1T3	8T1...8T3	15T1...15T3
2T1...2T3	9T1...9T3	1L1...1L3
3T1...3T3	10T1...10T3	2L1...2L3
4T1...4T3	11T1...11T3	3L1...3L3
5T1...5T3	12T1...12T3	4L1...4L3
6T1...6T3	13T1...13T3	5L1...5L3
7T1...7T3	14T1...14T3	6L1...6L3

Sequence Repeated

1-3	17-32	1T-3T3
1-5	1-18	4T1-6T3
1-6	19-36	7T1-9T3
1-9	A-E	1L1-3L3
0-9	F-J	A1-A4
0-10	K-O	F1-F4
1-12	P-T	H1-H9
1-16	U-Z	



Sequence card

Material Data

Material	Vinyl Cloth (TYHC)	
Adhesion to Steel	40oz/in. of width	
Operating Temperature	-40°C to +121°C	

Solid Handi-Cards

Each marker on the card contains the same legend.

Solid Handi-Cards — 0-9

Product Selection

Handi-Card Number	Code	Type	Labels per Sheet	Pkg. Qty.
0	TYHC0	TYHC0	36	25 cards
1	TYHC1	TYHC1	36	25 cards
2	TYHC2	TYHC2	36	25 cards
3	TYHC3	TYHC3	36	25 cards
4	TYHC4	TYHC4	36	25 cards
5	TYHC5	TYHC5	36	25 cards
6	TYHC6	TYHC6	36	25 cards
7	TYHC7	TYHC7	36	25 cards
8	TYHC8	TYHC8	36	25 cards
9	TYHC9	TYHC9	36	25 cards

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

Product Selection

Other Available Handi-Cards	Part No.	Labels per Sheet	Pkg. Qty.
Solid Handi-Cards - each marker on the same card contains the same legend. To order, use TYHC prefix plus the legend (number or letter)	TYHC0, 1,2, thru 99	36	25 cards
	TYHC100	25	25 cards
	TYHCA, B, C, thru Z	36	25 cards
	TYHCL1, L2, or L3	36	25 cards
Sequence Handi-Cards - each marker on the card contains a different number or letter. It runs in sequence beginning with the lowest number or letter first, and ending with the highest	TYHCT1, T2, or T3	36	25 cards
	TYHC1-33	33	25 cards
	TYHC34-66	33	25 cards
	TYHC67-99	33	25 cards
	TYHCA-Z	36	25 cards

Handi-Paks

Convenient pocket sized booklets. Black non-smear legends on a white background. Plastic coated cloth material remains flexible. Strong adhesive assures firm bond on wire.



Material Data

Material	Vinyl Cloth (TYHC)
Adhesion to Steel	40oz/in. of width
Operating Temperature	-40°C to +121°C



Product Selection

Code	Type	Description	Pkg. Qty.
TCWM1	TCWM1	45 markers each of legends 0-9	1 booklet
TCWM2	TCWM2	10 markers each of A-Z, 1-15, +, -, /	1 booklet
TCWM3	TCWM3	10 markers each 1-45	1 booklet
TCWM4	TCWM4	150 markers each 1,2,3	1 booklet
TCWM5	TCWM5	150 markers each A,B, and C	1 booklet
TCWM6	TCWM6	150 markers each T1, T2 and T3	1 booklet
TCWM7	TCWM7	150 markers each L1, L2 and L3	1 booklet
TCWM8	TCWM8	6 markers each 1-15, 4 markers each 16-90 and 2 markers each of A-Z, +, -, /	1 booklet
TCWM9	TCWM9	45 markers each of 1,2,3,A,B,C, 30 markers each of L1, L2 and L3 and 30 markers each of T1, T2 and T3	1 booklet
TCWM10	TCWM10	45 markers each of 10 NEMA colours	1 booklet
TCWM11	TCWM11	15 markers each of 1-30	1 booklet
TCWM12	TCWM12	15 markers each of A-Z, 21 markers blank, 8 markers +, and 7 markers -	1 booklet
TCWM13	TCWM13	45 markers each of +, -, AC, DC, 33 markers each of POS, NEG and GND 27 markers of NEUT and 21 markers of SPARE and BLANK	1 booklet
TCWM14	TCWM14	45 markers each of 0-9, 15 markers each of L1, L2, L3 and 15 markers each of T1, T2 and T3	1 booklet
TCWM15	TCWM15	10 markers each of 46-90	1 booklet
TCWM16	TCWM16	10 markers each of 1-33, A, B, C, +, -, T1, T2, T3, L1, L2 and L3	1 booklet

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

Notes

