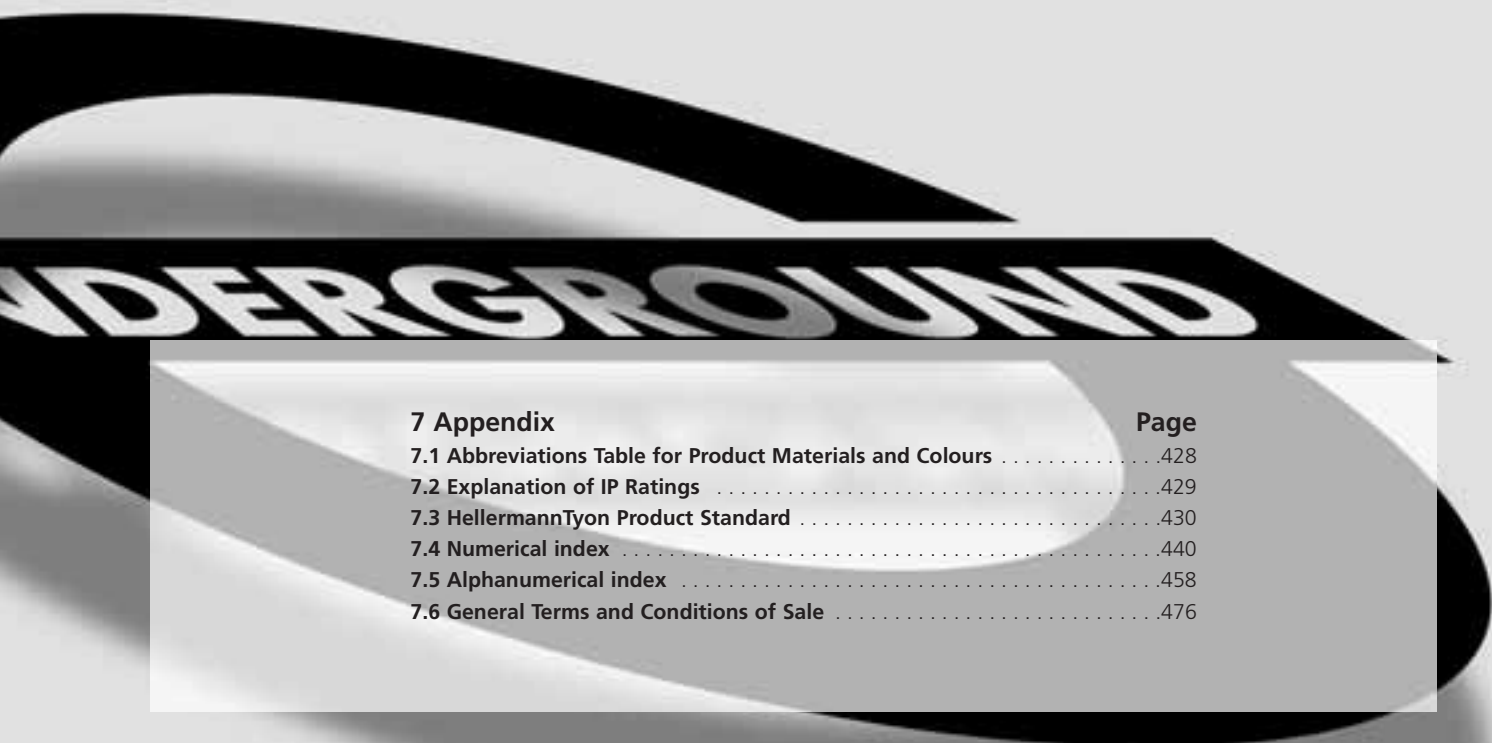




# Appendix



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## Abbreviations Table for Product Materials and Colours

Abbreviation*	Material
ABS	Acrylonitrile Butadiene Styrene
ALU	Aluminium
AR	Acrylic
CN	Cotton
CR	Chloroprene
EPDM	Ethylene-Propylene-Diene-Terpolymer-Rubber
FPM	Fluoroelastomer (Viton)
HIR	Polyamide 6.6 high impact modified
HIRHS	Polyamide 6.6 high impact modified, heat stabilised
HL	Halar
HS	Polyamide 6.6 heat stabilised
HSW	Polyamide 6.6, heat stabilised and UV resistant on request
HV	Helvin
IIR	Butyl rubber
PA	Polyamide
PA11	Polyamide 11
PA12	Polyamide 12
PA46	Polyamide 4.6
PA6/PA66	Polyamide 6 / Polyamide 6.6
PAP	Paper
PC	Polycarbonate
PE	Polyethylene
PEN	Polyethylenephtalate
PET	Polyester
PEX	Polyolefin, cross-linked
PI	Polyimide
PK	Polyketone
PO	Polyolefin
POA	Elastomer modified
POM	Polyacetal
PP	Polypropylene
PPESB	Polyphenylenether, Polysterene
PPMOD	Polypropylene, modified
PPO	Noryl
PS	Polystyrene
PTFE	Polytetrafluoroethylene (Teflon)
PUR	Polyurethane
PVC	Polyvinylchloride
PVDF	Polyvinylidene fluoride
SI	Silicone
SP	Saturised Polyester
SS	Stainless Steel
ST	Steel
TPE	Thermoplastic Elastomer
TPU	Thermoplastic Polyurethane
TZ	Ethylentetrafluorineethylene
VO	Polyamide 6.6 Flamability according to UL94V0
W	Polyamide 6.6 UV resistant

\*according to EN ISO 1043 Part 1 and ISO 1629

Abbreviation*	Colour
BK	Black
BN	Brown
BU	Blue
GD	Gold
GN	Green
GNYE	Green-Yellow
GY	Grey
OG	Orange
PK	Pink
RD	Red
SR	Silver
VT	Violet
WH	White

\*according to DIN IEC 757

Abbreviation*	Colour
CL	Transparent
NA	Natural
YE	Yellow
BE	Beige
XX	Special colour
BV	Zinc-plated Metal
GC	Brass chromated
WC	White Chromated

\* according to HellermannTyton

**Definition of the degrees of protection according to EN 60529**

The levels of protection are indicated by a code made up of two constant letters IP and two characteristic numbers for the degree of protection, e.g. IP54.

**Degree of protection against access and foreign bodies.**

First characteristic numeral	Designation	Scope of protection
<b>0</b>	Non-protected	No special protection for persons against direct contact with live or moving parts. No protection of the equipment against ingress of solid foreign objects.
<b>1</b>	Protection against large foreign bodies	Protection against accidental contact of large areas with live and internal moving parts, e.g. back of hand, but not protection against deliberate access to the parts. Protection against ingress of solid foreign objects with a diameter greater than 50 mm.
<b>2</b>	Protection against medium-sized foreign bodies	Protection against contact between the finger and live or internal moving parts. Protection against ingress of solid foreign objects with a diameter greater than 12.5 mm.
<b>3</b>	Protection against small foreign bodies	Protection against contact between live or internal moving parts and tools, wires and the like with a thickness greater than 2.5 mm. Protection against ingress of solid foreign objects with a diameter greater than 2.5 mm.
<b>4</b>	Protection against granular foreign objects	Protection against contact between live or internal moving parts and tools, wires and the like with a thickness greater than 1 mm. Protection against ingress of solid foreign objects with a diameter greater than 1 mm.
<b>5</b>	Protection against dust deposits	Complete protection against contact with live or internal moving parts, protection against hazardous dust deposits. The ingress of dust is not completely prevented, but dust may not penetrate in such quantities as to impair the function.
<b>6</b>	Protection against dust entry	Complete protection against contact with live or internal moving parts. Protection against the ingress of dust.

**Degrees of protection for water.**











Second characteristic numeral	Designation	Scope of protection
<b>0</b>	Non-protected	No special protection.
<b>1</b>	Protection against vertically dripping water	Water dripping vertically must cause no damage.
<b>2</b>	Protection against dripping water (tilted)	Water dripping at an angle of 15° to the vertical from any direction must cause no damage.
<b>3</b>	Protection against spraying water	Water dripping at an angle of 60° to the vertical from any direction must cause no damage.
<b>4</b>	Protection against splashing water	Water that splashes against the equipment from any direction must cause no damage.
<b>5</b>	Protection against water jets	A water jet from a nozzle that is directed against the equipment from any direction must cause no damage.
<b>6</b>	Protection against flooding	Water must not penetrate the equipment in hazardous quantities in cases of temporary flooding, e.g. due to heavy seas.
<b>7</b>	Protection during temporary immersion	Water must not penetrate the equipment in hazardous quantities if the equipment is immersed in water under the specified conditions of pressure and time.
<b>8</b>	Protection during continuous immersion	Water must not penetrate the equipment in hazardous quantities if the equipment is immersed in water.

First index: Protection against contact and ingress of foreign objects.

Second index: Protection against liquids.

Example: Code IP65

## Standards Overview

CSA	Canadian Standards Association	Canada	
cUL	Canadian Underwriters Laboratories	Canada	
BV	Bureau Veritas	France	
DEF STAN	Defence Standard	Great Britain	
DNV	Det Norske Veritas	Norway	
E.D.F.	Electricité de France	France	
NF-F	Norme Francaise du Matériel Ferroviaire	France	
GL	Germanischer Lloyd	Germany	
LUL	London Underground Tested	Great Britain	
MIL	Military Specification	USA	
SAE - AMS	Society of Automotive Engineers - Aerospace Material Specifications	International	

## Standards Overview

UL, UL224	Underwriters Laboratories (Yellow Card)	USA	
VDE	German Commission for Electrical, Electronic and Information Technologies of DIN and VDE	Germany	
VG	Verteidigungsgerätenorm der Bundeswehr	Germany	
FIMKO	Suomalainen testaus- ja sertifiointiyritys	Finland	
DEMKO	Danske Elektriske Materialekontrol	Denmark	
NEMKO	Norges Elektriske Materiellkontroll	Norway	
SEMKO	Sveriges Elektriska Materielkontroll	Sweden	
KEMA KEUR	KEMA Quality B.V	The Netherlands	
cULus	Underwriters Laboratories	Canada, USA	
CEBEC	Comité Electrotechnique Belgic	Belgium	

Please note that not all of our approvals are product specific. They sometimes relate to the material or the whole product range.

Standards for HellermannTyton Cable Ties

<b>UL</b>	Underwriters Laboratories (USA)	<b>SAE - AMS</b>	Society of Automotive Engineers - Aerospace Material Specifications (International)
<b>GL</b>	Germanischer Lloyd (Germany)	<b>MIL</b>	Military Specification (USA)
<b>BV</b>	Bureau Veritas (France)	<b>DEF STAN</b>	Defence Standard (Great Britain)
<b>DNV</b>	Det Norske Veritas (Norway)	<b>E.D.F.</b>	Electricité de France
<b>VG</b>	German Defence Equipment Standard (Germany)	<b>DIN EN</b>	German Institute for Normes - European Norms (Germany)

Type	Length	Width	Standards						VG 95387 T04 PA66HS-Natural	VG 95387 T04 PA66W-black	VG 95387 T04 PA66-Natural	SAE AS23190 (MIL MS 3367)	DIN EN 50146
			UL	GL	BV	DNV							
T18S	83	2.3	● <sup>1</sup>	● <sup>2</sup>		● <sup>3</sup>				A106A	MS 3367-4 <sup>2</sup>	● <sup>6</sup>	
T18R	100	2.5	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>	A201L	A106B	A106A		MS 3367-4 <sup>2</sup>	● <sup>6</sup>	
T18RA	100	2.5	● <sup>1</sup>								MS 3367-4 <sup>2</sup>		
T18ROS	100	2.5										● <sup>6</sup>	
T18I	140	2.5	● <sup>1</sup>		● <sup>2</sup>	● <sup>3</sup>						● <sup>6</sup>	
T18L	200	2.5	● <sup>1</sup>		● <sup>2</sup>	● <sup>3</sup>						● <sup>6</sup>	
T25L	240	2.8	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>							● <sup>6</sup>	
T25LL	330	2.8	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>							● <sup>6</sup>	
T30R	150	3.5	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>	A208L	A107B	A107A		MS 3367-5 <sup>2</sup>	● <sup>6</sup>	
T30ROS	145	3.4										● <sup>6</sup>	
T30L	190	3.5	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>		A107B	A107A			● <sup>6</sup>	
T30LOS	200	3.4										● <sup>6</sup>	
T30LL	285	3.5	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>						● <sup>6</sup>	
T30LR	260	3.3			● <sup>2</sup>		A207L					● <sup>6</sup>	
T40S	145	3.5										● <sup>6</sup>	
T40R	175	4.0	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>							● <sup>6</sup>	
T40I	290	4.0	● <sup>1</sup>									● <sup>6</sup>	
T40L	365	4.0	● <sup>1</sup>									● <sup>6</sup>	
T50S	150	4.6	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>						● <sup>6</sup>	
T50SOS	150	4.6										● <sup>6</sup>	
T50R	200	4.6	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>	A202L	A108B	A108A		MS 3367-1 <sup>2</sup>	● <sup>6</sup>	
T50ROS	200	4.6										● <sup>6</sup>	
T50RDH	200	4.6	● <sup>1</sup>		● <sup>2</sup>								
T50MOS	245	4.6										● <sup>6</sup>	
T50I	300	4.6	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>	A203L	A109B	A109A		MS 3367-7 <sup>2</sup>	● <sup>6</sup>	
T50IDH	300	4.6	● <sup>1</sup>										
T50L	390	4.6	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>	A205L	A110B	A110A		MS 3367-2 <sup>2</sup>	● <sup>6</sup>	
T50LOS	384	4.6										● <sup>6</sup>	
T50LDH	390	4.6	● <sup>1</sup>										
T50LL	445	4.6			● <sup>2</sup>	● <sup>3</sup>						● <sup>6</sup>	
T80I	300	4.7	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>								
T80L	390	4.7	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>		A205L						
T120S	225	7.6	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>						● <sup>6</sup>	
T120I	300	7.6	● <sup>1</sup>		● <sup>2</sup>							● <sup>6</sup>	
T120R	380	7.6	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>		A111B	A111A		MS 3367-3 <sup>2</sup>	● <sup>6</sup>	
T120M	460	7.6		● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>						● <sup>6</sup>	
T120XM	600	7.6			● <sup>2</sup>							● <sup>6</sup>	
T120L	760	7.6	● <sup>1</sup>		● <sup>2</sup>	● <sup>3</sup>		A112B	A112A		MS 3367-6 <sup>2</sup>	● <sup>6</sup>	
T150R	365	7.6	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>		A204L					● <sup>6</sup>	
T150M	530	8.9	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>							● <sup>6</sup>	
T150L	820	8.9	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>							● <sup>6</sup>	
T150LL	925	8.9	● <sup>1</sup>		● <sup>2</sup>							● <sup>6</sup>	
T150XL	1095	8.9	● <sup>1</sup>		● <sup>2</sup>							● <sup>6</sup>	
T150XLL	1325	8.9	● <sup>1</sup>		● <sup>2</sup>							● <sup>6</sup>	
T250S	225	12.5	● <sup>1</sup>		● <sup>2</sup>								
T250R	520	12.5	● <sup>1</sup>		● <sup>2</sup>								
T250M	565	12.5	● <sup>1</sup>		● <sup>2</sup>								
T250I	725	12.5	● <sup>1</sup>		● <sup>2</sup>								
T250L	880	12.5	● <sup>1</sup>		● <sup>2</sup>								
T250XL	1030	12.5	● <sup>1</sup>										
T255S	225	12.5	● <sup>1</sup>										
T255R	520	12.5	● <sup>1</sup>										
T255M	565	12.5	● <sup>1</sup>										
LK2	120	4.8		● <sup>2</sup>	● <sup>2</sup>								
LK2A	270	4.6	● <sup>1</sup>	● <sup>2</sup>	● <sup>2</sup>	● <sup>3</sup>							
LK5	535	13.2	● <sup>1</sup>	● <sup>2</sup>									

Type	Length	Width	Standards			VG 95387 T04 PA66W-Black	VG 95387 T04 PA66-Natural	E.D.F.
			UL	GL	BV			
PE180	180	9.0		● <sup>2</sup>	● <sup>2</sup>			HN-33-S-62/97
RPE275	275	9.0						HN-33-S-62/97
RPE350	350	9.0						HN-33-S-62/97
PE530	535	9.0			● <sup>2</sup>			HN-33-S-62/97
LPH175	175	9.0			● <sup>2</sup>			
LPH275	100	2.5			● <sup>2</sup>			
LPH350	100	2.5			● <sup>2</sup>			
CTT20R	100	2.5	● <sup>1</sup>					
CTT60R	205	4.7	● <sup>1</sup>					
LRT230	230	7.6			● <sup>3</sup>			
RLT120	340	7.6		● <sup>2</sup>	● <sup>2</sup>			
RLT150	770	8.9		● <sup>2</sup>	● <sup>2</sup>			
REL100	100	6.5	● <sup>1</sup>					
REL140	140	7.5	● <sup>1</sup>					
REL250	250	7.5	● <sup>1</sup>					
RT40R	217	3.9	● <sup>1</sup>					
RELK2R	200	4.6			● <sup>2</sup>			
RELK2M	250	4.6			● <sup>2</sup>			
RELK2I	300	4.6			● <sup>2</sup>			
RELK2L	350	4.6			● <sup>2</sup>			
RT50R	140	8.6	● <sup>1</sup>					
RT50S	165	4.6	● <sup>1</sup>					
RT250S	230	12.5	● <sup>1</sup>		● <sup>2</sup>			
RT250R	516	12.5	● <sup>1</sup>		● <sup>2</sup>			
RT250M	570	12.5	● <sup>1</sup>		● <sup>2</sup>			
RT250I	729	12.5	● <sup>1</sup>					
RT250L	878	12.5	● <sup>1</sup>					
RT250XL	1025	12.5	● <sup>1</sup>					
T18MR	110	2.3	● <sup>1</sup>			B001B	B001A	
IT18R	102	2.3	● <sup>1</sup>					
IT18FL	111	2.3	● <sup>1</sup>					
T30MR	160	3.5	● <sup>1</sup>			B002B	B002A	
T30RSF	165	3.5	● <sup>1</sup>					
IT50RT	203	4.7	● <sup>1</sup>					
IT50L	381	4.7	● <sup>1</sup>					
T50ML	400	4.6	● <sup>1</sup>					
T50MR	215	4.6	● <sup>1</sup>			B004B	B004A	
T50MS	160	4.6	● <sup>1</sup>					
IT50R	203	4.7	● <sup>1</sup>					
T50RSF	216	4.6	● <sup>1</sup>					
T120MR	400	7.6	● <sup>1</sup>			B005B	B005A	
KR6/18	180	6.0		● <sup>2</sup>				
KR6/35	350	6.0		● <sup>2</sup>				
KR8/21	210	8.0		● <sup>2</sup>				
KR8/33	330	8.0		● <sup>2</sup>				

<sup>1</sup> Polyamide 6.6 (PA66), Polyamide 6.6 Heat stabilised (HS)

<sup>2</sup> Polyamide 6.6 (PA66) natural, Polyamid 6.6 UV Resistant (W) black

<sup>3</sup> Polyamide 6.6 (PA66) natural, Polyamide 6.6 Heat stabilised (HS) natural, Polyamide 6.6 UV Resistant (W) black

Subject to changes

Type	Length	Width	Standards							
			UL	GL	BV	DNV	VG 95387 T04	SAE AS23190 (MIL MS 3367)	DEF STAN	
MAT8SS7	230	7.0		● <sup>7</sup>	● <sup>7</sup>					
MAT12SS7	330	7.0		● <sup>7</sup>	● <sup>7</sup>					
MAT16SS7	430	7.0		● <sup>7</sup>	● <sup>7</sup>					
MAT24SS7	630	7.0		● <sup>7</sup>	● <sup>7</sup>					
MAT8SS12	230	12.0		● <sup>7</sup>	● <sup>7</sup>					
MAT12SS12	330	12.0		● <sup>7</sup>	● <sup>7</sup>					
MAT16SS12	430	12.0		● <sup>7</sup>	● <sup>7</sup>					
MAT24SS12	630	12.0		● <sup>7</sup>	● <sup>7</sup>					
MAT8SSC7	230	7.0		● <sup>6</sup>						
MAT12SSC7	330	7.0		● <sup>6</sup>						
MAT16SSC7	430	7.0		● <sup>6</sup>						
MAT24SSC7	630	7.0		● <sup>6</sup>						
MAT8SSC12	230	12.0		● <sup>6</sup>						
MAT12SSC12	330	12.0		● <sup>6</sup>						
MAT16SSC12	430	12.0		● <sup>6</sup>						
MAT24SSC12	630	12.0		● <sup>6</sup>						
MBT5S	127	4.6		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT8S	201	4.6		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT14S	362	4.6		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT20S	521	4.6		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT27S	681	4.6		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT33S	838	4.6		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT8H	201	7.9		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT14H	362	7.9		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT20H	521	7.9		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT27H	681	7.9		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT33H	838	7.9		● <sup>7</sup>	● <sup>7</sup>	● <sup>7</sup>				
MBT14XH	362	12.3		● <sup>7</sup>	● <sup>7</sup>					
MBT20XH	521	12.3		● <sup>7</sup>	● <sup>7</sup>					
MBT27XH	681	12.3		● <sup>7</sup>	● <sup>7</sup>					
MBT33XH	838	12.3		● <sup>7</sup>	● <sup>7</sup>					
MLT8SS5	230	5.0			● <sup>7</sup>					
MLT12SS5	330	5.0			● <sup>7</sup>					
MLT16SS5	430	5.0			● <sup>7</sup>					
MLT24SS5	630	5.0			● <sup>7</sup>					
MLT8SS10	230	10.0			● <sup>7</sup>					
MLT12SS10	330	10.0			● <sup>7</sup>					
MLT16SS10	430	10.0			● <sup>7</sup>					
MLT24SS10	630	10.0			● <sup>7</sup>					
Protective Channel LFPC70	–	7.0								61-12/31
Protective Channel LFPC103	–	10.3								61-12/31
Protective Channel LFPC150	–	15.0								61-12/31

<sup>6</sup> Stainless Steel Type 316 coated

<sup>7</sup> Stainless Steel Type 316 uncoated

Subject to changes

## Standards for HellermannTyton Fixing Bases

Type	Length	Width	Standards
			UL
Mounting Bases MB1	12.5	8.0	●
Mounting Bases MB2	20.5	12.5	●
Self Adhesive Mounting Bases MB3A	19.0	19.0	●
Self Adhesive Mounting Bases MB4A	28.0	28.0	●
Self Adhesive Mounting Bases MB5A	38.0	38.0	●
Mounting Base CTAM1	20.5	10.2	●
Mounting Base CTAM2	20.5	10.2	●
Mounting Base CTAP2	34.0	12.7	●
Mounting Base CTAP2	54.1	12.7	●
Mounting Plate MSMP5	204.0	15.7	●
Mounting Plate MSMP6	242.0	15.7	●
Mounting Cradle TM1SF	10.2	7.6	●

## Standards for HellermannTyton Heatshrinkable Tubing

<b>UL224 AFT</b>	Underwriters Laboratories (All Flame Test) (USA)
<b>UL224 VW1</b>	Underwriters Laboratories Vertical Wire 1 (USA)
<b>CSA</b>	Canadian Standards Association (Canada)
<b>GL</b>	Germanischer Lloyd (Germany)
<b>DNV</b>	Det Norske Veritas (Norway)
<b>NFF</b>	Norme Francaise du Matériel Ferroviaire (France)

<b>SAE - AMS</b>	Society of Automotive Engineers - Aerospace Material Specifications (International)
<b>MIL</b>	Military Specification (USA)
<b>VG</b>	German Defence Equipment Standard (Germany)
<b>DEF STAN</b>	Defence Standard (Great Britain)
<b>LUL</b>	London Underground (Great Britain)
<b>NSA</b>	Norme Sud Aviation (Airbus Norm)

Type	Standards										
	UL 224 AFT	UL224 VW1	UL224	CSA	DNV	MIL/SAE - AMS	VG 95343 T05	DEF STAN	LUL	NFF 00-608	NSA
LVR	●										
HFT-A	●			●	●	DTL-23053/5	●	59-97/3		●	●
HFT-B						DTL-23053/5	●	59-97/3			●
TCN20			●								
TF21		●								●	
TF24						DTL-23053/5					
TF31		●									
EPS400						DTL-23053/4					
TA32	●										
TA42	●										
PST-H							●			●	
PST-HT							●				
Viton-E							●				
Kynar		●				DTL-23053/8	●	59-97/3			●
TR27								59-97/3	RSE STD 013		
TFE2, TFE4						DTL-23053/12					●

HellermannTyton UL-File No.:

- E 14 35 29
- E 19 80 23
- E 19 80 24

## Standards for HellermannTyton Non Shrinkable Tubing

Type	Standards	
	DEF STAN	LUL
Helvin P	59-15/3	
Helvin XY	59-15/3	
LFH-tubing LFPT		RSE STD 013
Helsyn rubber tubing H	59-15/3	
Helsyn PVC-Nitrile rubber tubing NT	59-15/3	
Helsyn Silicone rubber tubing SLP		
PTFE tubing FE	59-15/3	

## Standards for HellermannTyton Heatshrinkable Moulded Shapes

Type	Standards		
	MIL	VG 95343	DEF STAN
Shapes XXXX-G		●	59-97/3
Shapes XXXX-B7	MIL-I-81765		59-97/3
Shapes XXXX-HW21		●	59-97/3
Two-Part Epoxy Adhesive V9500		●	

## Standards for HellermannTyton Heatshrinkable Tubing and Heatshrinkable Moulded Shapes according to VG-Norm

VG German Defence Equipment Standard (Germany)

Description VG-Norm	Description HellermannTyton	Description VG-Norm	Description HellermannTyton	Description VG-Norm	Description HellermannTyton
VG 95343 T05 A 001A	HFT-A-3/64-BK	VG 95343 T05 A 007H	HFT-A-3/8-VT	VG 95343 T05 A 014B	HFT-A-4-BN
VG 95343 T05 A 001B	HFT-A-3/64-BN	VG 95343 T05 A 007K	HFT-A-3/8-GY	VG 95343 T05 A 014C	HFT-A-4-RD
VG 95343 T05 A 001C	HFT-A-3/64-RD	VG 95343 T05 A 007L	HFT-A-3/8-WH	VG 95343 T05 A 014E	HFT-A-4-YE
VG 95343 T05 A 001E	HFT-A-3/64-YE	VG 95343 T05 A 007N	HFT-A-3/8-GNYE	VG 95343 T05 A 014F	HFT-A-4-GN
VG 95343 T05 A 001F	HFT-A-3/64-GN	VG 95343 T05 A 008A	HFT-A-1/2-BK	VG 95343 T05 A 014G	HFT-A-4-BU
VG 95343 T05 A 001G	HFT-A-3/64-BU	VG 95343 T05 A 008B	HFT-A-1/2-BN	VG 95343 T05 A 014H	HFT-A-4-VT
VG 95343 T05 A 001H	HFT-A-3/64-VT	VG 95343 T05 A 008C	HFT-A-1/2-RD	VG 95343 T05 A 014K	HFT-A-4-GY
VG 95343 T05 A 001K	HFT-A-3/64-GY	VG 95343 T05 A 008E	HFT-A-1/2-YE	VG 95343 T05 A 014L	HFT-A-4-WH
VG 95343 T05 A 001L	HFT-A-3/64-WH	VG 95343 T05 A 008F	HFT-A-1/2-GN	VG 95343 T05 A 019A	HFT-333-1.5/0.5-BK
VG 95343 T05 A 002A	HFT-A-1/16-BK	VG 95343 T05 A 008G	HFT-A-1/2-BU	VG 95343 T05 A 019C	HFT-333-1.5/0.5-RD
VG 95343 T05 A 002B	HFT-A-1/16-BN	VG 95343 T05 A 008H	HFT-A-1/2-VT	VG 95343 T05 A 019E	HFT-333-1.5/0.5-YE
VG 95343 T05 A 002C	HFT-A-1/16-RD	VG 95343 T05 A 008K	HFT-A-1/2-GY	VG 95343 T05 A 019G	HFT-333-1.5/0.5-BU
VG 95343 T05 A 002E	HFT-A-1/16-YE	VG 95343 T05 A 008L	HFT-A-1/2-WH	VG 95343 T05 A 019L	HFT-333-1.5/0.5-WH
VG 95343 T05 A 002F	HFT-A-1/16-GN	VG 95343 T05 A 008N	HFT-A-1/2-GNYE	VG 95343 T05 A 020A	HFT-333-3/1-BK
VG 95343 T05 A 002G	HFT-A-1/16-BU	VG 95343 T05 A 009A	HFT-A-3/4-BK	VG 95343 T05 A 020C	HFT-333-3/1-RD
VG 95343 T05 A 002H	HFT-A-1/16-VT	VG 95343 T05 A 009B	HFT-A-3/4-BN	VG 95343 T05 A 020E	HFT-333-3/1-YE
VG 95343 T05 A 002K	HFT-A-1/16-GY	VG 95343 T05 A 009C	HFT-A-3/4-RD	VG 95343 T05 A 020G	HFT-333-3/1-BU
VG 95343 T05 A 002L	HFT-A-1/16-WH	VG 95343 T05 A 009E	HFT-A-3/4-YE	VG 95343 T05 A 020L	HFT-333-3/1-WH
VG 95343 T05 A 003A	HFT-A-3/32-BK	VG 95343 T05 A 009F	HFT-A-3/4-GN	VG 95343 T05 A 021A	HFT-333-6/2-BK
VG 95343 T05 A 003B	HFT-A-3/32-BN	VG 95343 T05 A 009G	HFT-A-3/4-BU	VG 95343 T05 A 021C	HFT-333-6/2-RD
VG 95343 T05 A 003C	HFT-A-3/32-RD	VG 95343 T05 A 009H	HFT-A-3/4-VT	VG 95343 T05 A 021E	HFT-333-6/2-YE
VG 95343 T05 A 003E	HFT-A-3/32-YE	VG 95343 T05 A 009K	HFT-A-3/4-GY	VG 95343 T05 A 021G	HFT-333-6/2-BU
VG 95343 T05 A 003F	HFT-A-3/32-GN	VG 95343 T05 A 009L	HFT-A-3/4-WH	VG 95343 T05 A 021L	HFT-333-6/2-WH
VG 95343 T05 A 003G	HFT-A-3/32-BU	VG 95343 T05 A 009N	HFT-A-3/4-GNYE	VG 95343 T05 A 022A	HFT-333-9/3-BK
VG 95343 T05 A 003H	HFT-A-3/32-VT	VG 95343 T05 A 010A	HFT-A-1-BK	VG 95343 T05 A 022C	HFT-333-9/3-RD
VG 95343 T05 A 003K	HFT-A-3/32-GY	VG 95343 T05 A 010B	HFT-A-1-BN	VG 95343 T05 A 022E	HFT-333-9/3-YE
VG 95343 T05 A 003L	HFT-A-3/32-WH	VG 95343 T05 A 010C	HFT-A-1-RD	VG 95343 T05 A 022G	HFT-333-9/3-BU
VG 95343 T05 A 004A	HFT-A-1/8-BK	VG 95343 T05 A 010E	HFT-A-1-YE	VG 95343 T05 A 022L	HFT-333-9/3-WH
VG 95343 T05 A 004B	HFT-A-1/8-BN	VG 95343 T05 A 010F	HFT-A-1-GN	VG 95343 T05 A 023A	HFT-333-12/4-BK
VG 95343 T05 A 004C	HFT-A-1/8-RD	VG 95343 T05 A 010G	HFT-A-1-BU	VG 95343 T05 A 023C	HFT-333-12/4-RD
VG 95343 T05 A 004E	HFT-A-1/8-YE	VG 95343 T05 A 010H	HFT-A-1-VT	VG 95343 T05 A 023E	HFT-333-12/4-YE
VG 95343 T05 A 004F	HFT-A-1/8-GN	VG 95343 T05 A 010K	HFT-A-1-GY	VG 95343 T05 A 023G	HFT-333-12/4-BU
VG 95343 T05 A 004G	HFT-A-1/8-BU	VG 95343 T05 A 010L	HFT-A-1-WH	VG 95343 T05 A 023L	HFT-333-12/4-WH
VG 95343 T05 A 004H	HFT-A-1/8-VT	VG 95343 T05 A 010N	HFT-A-1-GNYE	VG 95343 T05 A 024A	HFT-333-18/6-BK
VG 95343 T05 A 004K	HFT-A-1/8-GY	VG 95343 T05 A 011A	HFT-A-1.1/2-BK	VG 95343 T05 A 024C	HFT-333-18/6-RD
VG 95343 T05 A 004L	HFT-A-1/8-WH	VG 95343 T05 A 011B	HFT-A-1.1/2-BN	VG 95343 T05 A 024L	HFT-333-18/6-YE
VG 95343 T05 A 004N	HFT-A-1/8-GNYE	VG 95343 T05 A 011C	HFT-A-1.1/2-RD	VG 95343 T05 A 024G	HFT-333-18/6-BU
VG 95343 T05 A 005A	HFT-A-3/16-BK	VG 95343 T05 A 011E	HFT-A-1.1/2-YE	VG 95343 T05 A 024L	HFT-333-18/6-WH
VG 95343 T05 A 005B	HFT-A-3/16-BN	VG 95343 T05 A 011F	HFT-A-1.1/2-GN	VG 95343 T05 A 025A	HFT-333-24/8-BK
VG 95343 T05 A 005C	HFT-A-3/16-RD	VG 95343 T05 A 011G	HFT-A-1.1/2-BU	VG 95343 T05 A 025C	HFT-333-24/8-RD
VG 95343 T05 A 005E	HFT-A-3/16-YE	VG 95343 T05 A 011H	HFT-A-1.1/2-VT	VG 95343 T05 A 025E	HFT-333-24/8-YE
VG 95343 T05 A 005F	HFT-A-3/16-GN	VG 95343 T05 A 011K	HFT-A-1.1/2-GY	VG 95343 T05 A 025G	HFT-333-24/8-BU
VG 95343 T05 A 005G	HFT-A-3/16-BU	VG 95343 T05 A 011L	HFT-A-1.1/2-WH	VG 95343 T05 A 025L	HFT-333-24/8-WH
VG 95343 T05 A 005H	HFT-A-3/16-VT	VG 95343 T05 A 011N	HFT-A-1.1/2-GNYE	VG 95343 T05 A 026A	HFT-333-39/13-BK
VG 95343 T05 A 005K	HFT-A-3/16-GY	VG 95343 T05 A 012A	HFT-A-2-BK	VG 95343 T05 A 026C	HFT-333-39/13-RD
VG 95343 T05 A 005L	HFT-A-3/16-WH	VG 95343 T05 A 012B	HFT-A-2-BN	VG 95343 T05 A 026E	HFT-333-39/13-YE
VG 95343 T05 A 005N	HFT-A-3/16-GNYE	VG 95343 T05 A 012C	HFT-A-2-RD	VG 95343 T05 A 026G	HFT-333-39/13-BU
VG 95343 T05 A 006A	HFT-A-1/4-BK	VG 95343 T05 A 012E	HFT-A-2-YE	VG 95343 T05 A 026L	HFT-333-39/13-WH
VG 95343 T05 A 006B	HFT-A-1/4-BN	VG 95343 T05 A 012F	HFT-A-2-GN	VG 95343 T05 B 001M	HFT-B-3/64-CL
VG 95343 T05 A 006C	HFT-A-1/4-RD	VG 95343 T05 A 012G	HFT-A-2-BU	VG 95343 T05 B 002M	HFT-B-1/16-CL
VG 95343 T05 A 006E	HFT-A-1/4-YE	VG 95343 T05 A 012H	HFT-A-2-VT	VG 95343 T05 B 003M	HFT-B-3/32-CL
VG 95343 T05 A 006F	HFT-A-1/4-GN	VG 95343 T05 A 012K	HFT-A-2-GY	VG 95343 T05 B 004M	HFT-B-1/8-CL
VG 95343 T05 A 006G	HFT-A-1/4-BU	VG 95343 T05 A 012L	HFT-A-2-WH	VG 95343 T05 B 005M	HFT-B-3/16-CL
VG 95343 T05 A 006H	HFT-A-1/4-VT	VG 95343 T05 A 013A	HFT-A-3-BK	VG 95343 T05 B 006M	HFT-B-1/4-CL
VG 95343 T05 A 006K	HFT-A-1/4-GY	VG 95343 T05 A 013B	HFT-A-3-BN	VG 95343 T05 B 007M	HFT-B-3/8-CL
VG 95343 T05 A 006L	HFT-A-1/4-WH	VG 95343 T05 A 013C	HFT-A-3-RD	VG 95343 T05 B 008M	HFT-B-1/2-CL
VG 95343 T05 A 006N	HFT-A-1/4-GNYE	VG 95343 T05 A 013E	HFT-A-3-YE	VG 95343 T05 B 009M	HFT-B-3/4-CL
VG 95343 T05 A 007A	HFT-A-3/8-BK	VG 95343 T05 A 013F	HFT-A-3-GN	VG 95343 T05 B 010M	HFT-B-1-CL
VG 95343 T05 A 007B	HFT-A-3/8-BN	VG 95343 T05 A 013G	HFT-A-3-BU	VG 95343 T05 B 011M	HFT-B-1.1/2-CL
VG 95343 T05 A 007C	HFT-A-3/8-RD	VG 95343 T05 A 013H	HFT-A-3-VT	VG 95343 T05 B 012M	HFT-B-2-CL
VG 95343 T05 A 007E	HFT-A-3/8-YE	VG 95343 T05 A 013K	HFT-A-3-GY	VG 95343 T05 B 013M	HFT-B-3-CL
VG 95343 T05 A 007F	HFT-A-3/8-GN	VG 95343 T05 A 013L	HFT-A-3-WH	VG 95343 T05 B 014M	HFT-B-4-CL
VG 95343 T05 A 007G	HFT-A-3/8-BU	VG 95343 T05 A 014A	HFT-A-4-BK	VG 95343 T05 D 001A	PST-H-1/8-BK

## HellermannTyton Product Standards

Description VG-Norm	Description HellermannTyton
VG 95343 T05 D 002A	PST-H-3/16-BK
VG 95343 T05 D 003A	PST-H-1/4-BK
VG 95343 T05 D 004A	PST-H-3/8-BK
VG 95343 T05 D 005A	PST-H-1/2-BK
VG 95343 T05 D 006A	PST-H-3/4-BK
VG 95343 T05 D 007A	PST-H-1-BK
VG 95343 T05 D 008A	PST-H-1.1/2-BK
VG 95343 T05 D 009A	PST-H-2-BK
VG 95343 T05 D 010A	PST-H-3-BK
VG 95343 T05 D 011A	PST-H-4-BK
VG 95343 T05 D 012A	PST-HT-3/32-BK
VG 95343 T05 D 013A	PST-HT-1/8-BK
VG 95343 T05 D 014A	PST-HT-3/16-BK
VG 95343 T05 D 015A	PST-HT-1/4-BK
VG 95343 T05 D 016A	PST-HT-3/8-BK
VG 95343 T05 D 017A	PST-HT-1/2-BK
VG 95343 T05 D 018A	PST-HT-3/4-BK
VG 95343 T05 D 019A	PST-HT-1-BK
VG 95343 T05 D 020A	PST-HT-1.1/2-BK
VG 95343 T05 D 021A	PST-HT-1.1/4-BK
VG 95343 T05 D 022A	PST-HT-2-BK
VG 95343 T05 E 001A	VITON-E-1/8-BK
VG 95343 T05 E 002A	VITON-E-3/16-BK
VG 95343 T05 E 003A	VITON-E-1/4-BK
VG 95343 T05 E 004A	VITON-E-3/8-BK
VG 95343 T05 E 005A	VITON-E-1/2-BK
VG 95343 T05 E 006A	VITON-E-3/4-BK
VG 95343 T05 E 007A	VITON-E-1-BK
VG 95343 T05 E 008A	VITON-E-1.1/2-BK
VG 95343 T05 E 009A	VITON-E-2-BK
VG 95343 T05 F 001M	KYNAR-3/64-CL
VG 95343 T05 F 002M	KYNAR-1/16-CL
VG 95343 T05 F 003M	KYNAR-3/32-CL
VG 95343 T05 F 004M	KYNAR-1/8-CL
VG 95343 T05 F 005M	KYNAR-3/16-CL
VG 95343 T05 F 006M	KYNAR-1/4-CL
VG 95343 T05 F 007M	KYNAR-3/8-CL
VG 95343 T05 F 008M	KYNAR-1/2-CL
VG 95343 T05 F 009M	KYNAR-3/4-CL
VG 95343 T05 F 010M	KYNAR-1-CL
VG 95343 T06 A 001 A	152-41-G
VG 95343 T06 A 002 A	153-41-G
VG 95343 T06 A 003 A	154-41-G
VG 95343 T06 A 004 A	155-41-G
VG 95343 T06 A 005 A	156-41-G
VG 95343 T06 A 006 A	157-41-G
VG 95343 T06 A 007 A	158-41-G
VG 95343 T06 A 008 A	159-41-G
VG 95343 T06 A 009 A	160-41-G
VG 95343 T06 A 010 A	199-4-G
VG 95343 T06 B 001 A	152-42-G
VG 95343 T06 B 002 A	153-42-G
VG 95343 T06 B 003 A	154-42-G
VG 95343 T06 B 004 A	155-42-G
VG 95343 T06 B 005 A	156-42-G
VG 95343 T06 B 006 A	157-42-G
VG 95343 T06 B 007 A	158-42-G
VG 95343 T06 B 008 A	159-42-G
VG 95343 T06 B 009 A	160-42-G
VG 95343 T06 C 001 A	157-43-G
VG 95343 T06 C 002 A	158-43-G
VG 95343 T06 C 003 A	159-43-G
VG 95343 T06 C 004 A	160-43-G

Description VG-Norm	Description HellermannTyton
VG 95343 T06 D 001 A	129-1-G
VG 95343 T06 D 002 A	130-1-G
VG 95343 T06 D 003 A	131-1-G
VG 95343 T06 D 004 A	132-1-G
VG 95343 T06 D 005 A	133-1-G
VG 95343 T06 D 006 A	134-1-G
VG 95343 T06 D 007 A	135-1-G
VG 95343 T06 D 008 A	136-1-G
VG 95343 T06 D 009 A	138-1-G
VG 95343 T06 D 011 A	176-1-G
VG 95343 T06 D 012 A	177-1-G
VG 95343 T06 D 013 A	178-1-G
VG 95343 T06 D 014 A	179-1-G
VG 95343 T06 E 001 A	1152-4-G
VG 95343 T06 E 002 A	1154-4-G
VG 95343 T06 E 003 A	1155-4-G
VG 95343 T06 E 004 A	1156-4-G
VG 95343 T06 E 005 A	1157-4-G
VG 95343 T06 E 006 A	1158-4-G
VG 95343 T06 E 007 A	1159-4-G
VG 95343 T06 E 008 A	1160-4-G
VG 95343 T06 F 001 A	1121-1-G
VG 95343 T06 F 002 A	1122-1-G
VG 95343 T06 F 003 A	1123-1-G
VG 95343 T06 F 004 A	1124-1-G
VG 95343 T06 F 005 A	1125-1-G
VG 95343 T06 F 006 A	1126-1-G
VG 95343 T06 F 007 A	1127-1-G
VG 95343 T06 F 008 A	1128-1-G
VG 95343 T06 F 009 A	1129-1-G
VG 95343 T06 F 010 A	1141-1-G
VG 95343 T06 F 011 A	1133-1-G
VG 95343 T06 F 012 A	1134-1-G
VG 95343 T06 F 013 A	1135-1-G
VG 95343 T06 F 014 A	1136-1-G
VG 95343 T06 J 001 A	1111-1-G
VG 95343 T06 J 002 A	1112-1-G
VG 95343 T06 J 003 A	1113-1-G
VG 95343 T06 J 004 A	1114-1-G
VG 95343 T06 J 006 A	1116-1-G
VG 95343 T06 J 007 A	1117-1-G
VG 95343 T06 J 008 A	1118-1-G
VG 95343 T06 J 009 A	1119-1-G
VG 95343 T06 K 001 A	1505-1-G
VG 95343 T06 K 002 A	1506-1-G
VG 95343 T06 K 003 A	1507-1-G
VG 95343 T06 K 004 A	1501-1-G
VG 95343 T06 K 005 A	1502-2-G
VG 95343 T06 K 006 A	1502-2-G
VG 95343 T06 K 007 A	1506-2-G
VG 95343 T06 K 008 A	1507-2-G
VG 95343 T06 K 009 A	1501-2-G
VG 95343 T06 K 010 A	1502-1-G
VG 95343 T06 L 001 A	2101-1-G
VG 95343 T06 L 002 A	2102-1-G
VG 95343 T06 L 003 A	2103-1-G
VG 95343 T06 L 004 A	2104-1-G
VG 95343 T06 L 005 A	2105-1-G
VG 95343 T06 L 006 A	2101-2-G
VG 95343 T06 L 007 A	2102-2-G
VG 95343 T06 L 008 A	2103-2-G
VG 95343 T06 L 009 A	2105-2-G
VG 95343 T07 A 001 A	152-41-GP

Description VG-Norm	Description HellermannTyton
VG 95343 T07 A 002 A	153-41-GP
VG 95343 T07 A 003 A	154-41-GP
VG 95343 T07 A 004 A	155-41-GP
VG 95343 T07 A 005 A	156-41-GP
VG 95343 T07 A 006 A	157-41-GP
VG 95343 T07 A 007 A	158-41-GP
VG 95343 T07 A 008 A	159-41-GP
VG 95343 T07 A 009 A	160-41-GP
VG 95343 T07 B 001 A	152-42-GP
VG 95343 T07 B 002 A	153-42-GP
VG 95343 T07 B 003 A	154-42-GP
VG 95343 T07 B 004 A	155-42-GP
VG 95343 T07 B 005 A	156-42-GP
VG 95343 T07 B 006 A	157-42-GP
VG 95343 T07 B 007 A	158-42-GP
VG 95343 T07 B 008 A	159-42-GP
VG 95343 T07 B 009 A	160-42-GP
VG 95343 T07 C 001 A	157-43-GP
VG 95343 T07 C 002 A	158-43-GP
VG 95343 T07 C 003 A	159-43-GP
VG 95343 T07 C 004 A	160-43-GP
VG 95343 T07 D 001 A	129-1-GP
VG 95343 T07 D 002 A	130-1-GP
VG 95343 T07 D 003 A	131-1-GP
VG 95343 T07 D 004 A	132-1-GP
VG 95343 T07 D 005 A	133-1-GP
VG 95343 T07 D 006 A	134-1-GP
VG 95343 T07 D 007 A	135-1-GP
VG 95343 T07 D 008 A	136-1-GP
VG 95343 T07 D 009 A	138-1-GP
VG 95343 T07 D 010 A	187-1-GP
VG 95343 T07 E 001 A	1152-4-GP
VG 95343 T07 E 002 A	1154-4-GP
VG 95343 T07 E 003 A	1155-4-GP
VG 95343 T07 E 004 A	1156-4-GP
VG 95343 T07 E 005 A	1157-4-GP
VG 95343 T07 E 006 A	1158-4-GP
VG 95343 T07 E 007 A	1159-4-GP
VG 95343 T07 E 008 A	1160-4-GP
VG 95343 T07 F 001 A	1121-1-GP
VG 95343 T07 F 002 A	1122-1-GP
VG 95343 T07 F 003 A	1123-1-GP
VG 95343 T07 F 004 A	1124-1-GP
VG 95343 T07 F 005 A	1125-1-GP
VG 95343 T07 F 006 A	1126-1-GP
VG 95343 T07 F 007 A	1127-1-GP
VG 95343 T07 F 008 A	1128-1-GP
VG 95343 T07 F 009 A	1129-1-GP
VG 95343 T07 F 010 A	1141-1-GP
VG 95343 T08 A 001 A	1203-1-G
VG 95343 T08 A 002 A	1209-1-G
VG 95343 T08 A 007 A	1201-1-G
VG 95343 T08 A 009 A	1206-1-G
VG 95343 T08 A 010 A	1202-1-G
VG 95343 T08 A 011 A	1207-1-G
VG 95343 T08 A 016 A	1204-1-G
VG 95343 T08 A 017 A	1216-1-G
VG 95343 T08 B 001 A	1301-1-G
VG 95343 T08 B 002 A	1303-1-G
VG 95343 T08 B 003 A	1311-1-G
VG 95343 T08 B 004 A	1302-1-G
VG 95343 T08 B 005 A	1304-1-G
VG 95343 T08 B 006 A	1305-1-G

## HellermannTyton Product Standards

Description VG-Norm	Description HellermannTyton
VG 95343 T08 B 007 A	1312-1-G
VG 95343 T08 B 008 A	1316-1-G
VG 95343 T08 B 009 A	1313-1-G
VG 95343 T08 B 010 A	1306-1-G
VG 95343 T08 B 011 A	1307-1-G
VG 95343 T08 B 012 A	1308-1-G
VG 95343 T08 C 001 A	206-1-G
VG 95343 T08 C 002 A	203-1-G
VG 95343 T08 C 003 A	204-1-G
VG 95343 T08 C 004 A	211-1-G
VG 95343 T08 C 005 A	212-1-G
VG 95343 T08 D 001 A	306-1-G
VG 95343 T08 D 002 A	304-1-G
VG 95343 T08 D 003 A	310-1-G
VG 95343 T08 D 004 A	311-1-G
VG 95343 T08 E 002 A	411-1-G
VG 95343 T08 E 004 A	403-1-G
VG 95343 T08 E 005 A	413-1-G
VG 95343 T09 A 001 A	1203-1-GP
VG 95343 T09 A 002 A	1209-1-GP
VG 95343 T09 A 003 A	1214-1-GP
VG 95343 T09 B 001 A	1301-1-GP
VG 95343 T09 B 002 A	1303-1-GP
VG 95343 T09 B 003 A	1311-1-GP
VG 95343 T09 C 001 A	206-1-GP
VG 95343 T09 C 002 A	203-1-GP
VG 95343 T09 C 003 A	204-1-GP
VG 95343 T10 A 001 A	1612-1-G
VG 95343 T10 A 002 A	1613-1-G
VG 95343 T10 A 003 A	1614-1-G
VG 95343 T10 A 004 A	1615-1-G
VG 95343 T10 A 005 A	1616-1-G
VG 95343 T15 A 001 A	V 9500
VG 95343 T18 A 001 A	152-41-GW24
VG 95343 T18 A 002 A	153-41-GW24
VG 95343 T18 A 003 A	154-41-GW24
VG 95343 T18 A 004 A	155-41-GW24
VG 95343 T18 A 005 A	156-41-GW24
VG 95343 T18 A 006 A	157-41-GW24
VG 95343 T18 A 007 A	158-41-GW24
VG 95343 T18 A 008 A	159-41-GW24
VG 95343 T18 A 009 A	160-41-GW24
VG 95343 T18 A 010 A	199-41-GW24
VG 95343 T18 E 001 A	1505-1-GW24
VG 95343 T18 E 002 A	1506-1-GW24
VG 95343 T18 E 003 A	1507-1-GW24
VG 95343 T18 E 004 A	1501-1-GW24
VG 95343 T18 E 005 A	1502-2-GW24
VG 95343 T18 E 006 A	1505-2-GW24
VG 95343 T18 E 007 A	1506-2-GW24
VG 95343 T18 E 008 A	1507-2-GW24
VG 95343 T18 E 009 A	1501-2-GW24
VG 95343 T18 E 010 A	1502-1-GW24
VG 95343 T18 B 001 A	152-42-GW24
VG 95343 T18 B 002 A	153-42-GW24
VG 95343 T18 B 003 A	154-42-GW24
VG 95343 T18 B 004 A	155-42-GW24
VG 95343 T18 B 005 A	156-42-GW24
VG 95343 T18 B 006 A	157-42-GW24
VG 95343 T18 B 007 A	158-42-GW24
VG 95343 T18 B 008 A	159-42-GW24
VG 95343 T18 B 009 A	160-42-GW24
VG 95343 T18 C 001 A	157-43-GW24

Description VG-Norm	Description HellermannTyton
VG 95343 T18 C 002 A	158-43-GW24
VG 95343 T18 C 003 A	159-43-GW24
VG 95343 T18 C 004 A	160-43-GW24
VG 95343 T18 D 001 A	1152-4-GW24
VG 95343 T18 D 002 A	1154-4-GW24
VG 95343 T18 D 003 A	1155-4-GW24
VG 95343 T18 D 004 A	1156-4-GW24
VG 95343 T18 D 005 A	1157-4-GW24
VG 95343 T18 D 006 A	1158-4-GW24
VG 95343 T18 D 007 A	1159-4-GW24
VG 95343 T18 D 008 A	1160-4-GW24
VG 95343 T18 G 001 A	2101-1-GW24
VG 95343 T18 G 003 A	2102-1-GW24
VG 95343 T18 G 005 A	2103-1-GW24
VG 95343 T18 G 006 A	2104-1-GW24
VG 95343 T18 G 007 A	2105-1-GW24
VG 95343 T18 G 008 A	2101-2-GW24
VG 95343 T18 G 010 A	2102-2-GW24
VG 95343 T18 G 012 A	2103-2-GW24
VG 95343 T18 G 014 A	2105-2-GW24
VG 95343 T18 H 001 A	1133-2-GW24
VG 95343 T18 H 002 A	1133-1-GW24
VG 95343 T19 A 001 A	1203-1-GW24
VG 95343 T19 A 002 A	1209-1-GW24
VG 95343 T19 A 003 A	1214-1-GW24
VG 95343 T19 A 004 A	1210-1-GW24
VG 95343 T19 A 006 A	1212-1-GW24
VG 95343 T19 A 007 A	1201-1-GW24
VG 95343 T19 A 008 A	1213-1-GW24
VG 95343 T19 A 009 A	1206-1-GW24
VG 95343 T19 A 010 A	1202-1-GW24
VG 95343 T19 A 011 A	1207-1-GW24
VG 95343 T19 A 012 A	1208-1-GW24
VG 95343 T19 A 016 A	1204-1-GW24
VG 95343 T19 A 017 A	1216-1-GW24
VG 95343 T19 A 018 A	1220-1-GW24
VG 95343 T19 E 002 A	411-1-GW24
VG 95343 T19 E 003 A	412-1-GW24
VG 95343 T19 E 004 A	403-1-GW24
VG 95343 T19 E 005 A	413-1-GW24
VG 95343 T19 E 009 A	414-1-GW24
VG 95343 T19 B 001 A	1301-1-GW24
VG 95343 T19 B 002 A	1303-1-GW24
VG 95343 T19 B 003 A	1311-1-GW24
VG 95343 T19 B 004 A	1302-1-GW24
VG 95343 T19 B 006 A	1305-1-GW24
VG 95343 T19 B 007 A	1312-1-GW24
VG 95343 T19 B 008 A	1316-1-GW24
VG 95343 T19 B 009 A	1313-1-GW24
VG 95343 T19 B 010 A	1306-1-GW24
VG 95343 T19 B 011 A	1307-1-GW24
VG 95343 T19 B 012 A	1308-1-GW24
VG 95343 T19 C 001 A	206-1-GW24
VG 95343 T19 C 002 A	203-1-GW24
VG 95343 T19 C 003 A	204-1-GW24
VG 95343 T19 C 004 A	211-1-GW24
VG 95343 T19 C 005 A	212-1-GW24
VG 95343 T19 D 001 A	306-1-GW24
VG 95343 T19 D 002 A	304-1-GW24
VG 95343 T19 D 003 A	310-1-GW24
VG 95343 T19 D 004 A	311-1-GW24
VG 95343 T19 D 005 A	312-1-GW24
VG 95343 T29 A 001 A	152-61-HW21

Description VG-Norm	Description HellermannTyton
VG 95343 T29 A 002 A	153-61-HW21
VG 95343 T29 A 003 A	154-61-HW21
VG 95343 T29 A 004 A	155-61-HW21
VG 95343 T29 A 005 A	156-61-HW21
VG 95343 T29 A 006 A	157-61-HW21
VG 95343 T29 B 001 A	152-62-HW21
VG 95343 T29 B 002 A	153-62-HW21
VG 95343 T29 B 003 A	154-62-HW21
VG 95343 T29 B 004 A	155-62-HW21
VG 95343 T29 B 005 A	156-62-HW21
VG 95343 T29 B 006 A	157-62-HW21
VG 95343 T29 B 007 A	158-62-HW21
VG 95343 T29 C 001 A	157-63-HW21
VG 95343 T29 C 002 A	158-63-HW21
VG 95343 T29 D 001 A	1152-6-HW21
VG 95343 T29 D 002 A	1154-6-HW21
VG 95343 T29 D 003 A	1155-6-HW21
VG 95343 T29 D 004 A	1156-6-HW21
VG 95343 T29 D 005 A	1157-6-HW21
VG 95343 T29 D 006 A	1158-6-HW21
VG 95343 T30 A 001 A	1203-1-HW21
VG 95343 T30 A 002 A	1209-1-HW21
VG 95343 T30 A 007 A	1201-1-HW21
VG 95343 T30 A 009 A	1206-1-HW21
VG 95343 T30 A 010 A	1202-1-HW21
VG 95343 T30 A 011 A	1207-1-HW21
VG 95343 T30 A 016 A	1204-1-HW21
VG 95343 T30 A 017 A	1216-1-HW21
VG 95343 T30 B 001 A	1301-1-HW21
VG 95343 T30 B 002 A	1303-1-HW21
VG 95343 T30 B 003 A	1311-1-HW21
VG 95343 T30 B 004 A	1302-1-HW21
VG 95343 T30 C 001 A	206-1-HW21
VG 95343 T30 C 002 A	203-1-HW21
VG 95343 T30 C 003 A	204-1-HW21
VG 95343 T30 C 004 A	211-1-HW21
VG 95343 T30 C 005 A	212-1-HW21
VG 95343 T30 D 001 A	306-1-HW21
VG 95343 T30 D 002 A	304-1-HW21
VG 95343 T30 D 003 A	310-1-HW21
VG 95343 T30 D 004 A	311-1-HW21

## Standards for HellermannTyton Cable Protection

<b>UL</b>	Underwriters Laboratories (USA)	<b>cULus</b>	Underwriters Laboratories (Canada, USA)
<b>LUL</b>	London Underground (Great Britain)	<b>FIMKO</b>	Suomalainen testaus- ja sertifiointiyritys (Finland)
<b>UL224 VW1</b>	Underwriters Laboratories Vertical Wire 1 (USA)	<b>DEMKO</b>	Suomalainen testaus- ja sertifiointiyritys (Finland)
<b>CSA</b>	Canadian Standards Association (Canada)	<b>NEMKO</b>	Danske Elektriske Materialekontrol (Denmark)
<b>BS</b>	British Standard (Great Britain)	<b>SEMKO</b>	Sveriges Elektriska Materielkontroll (Sweden)
<b>UL94</b>	Flammability Rating (USA)	<b>KEMA KEUR</b>	KEMA Quality B.V (Netherlands)
<b>MIL</b>	Military Specification (USA)	<b>CEBEC</b>	Comité Electrotechnique Belgic (Belgium)

Type	Standards	
	UL	Mat.tests UL94
Heladuct HTC	●	V2
Helagaine HEGPV0X	●	V0
Helawrap HWWPA-V0		V0

## Standards for HelaCon Connectors

Type	Approvals							
	VDE	FIMKO	DEMKO	NEMKO	SEMKO	KEMA KEUR	cULus	CEBEC
HelaCon Plus	●	●	●	●	●	●	●	
HelaCon Easy	●	●				●	●	●

## Standards for HellermannTyton Identification Systems

Type	Standards							Mat.tests
	UL	CSA	MIL	DEF STAN	LUL	VG	UL94	
WIC							V0*	
IT Ties	●							
IT Plates						●		
Helatag Thermotransfer, Material 799	●							
Helatag Thermotransfer, Material 829	●							
Helatag Thermotransfer, Material 950	●	●						
TLFPT					RSE STD 013			
TCGT		●						
TULT	●	●						
TIPTAG					RSE STD 013			
TIPTAG VA			●					
ShrinkTrak	●		●	●				

\* Basic material

## Standards for HellermannTyton Application Tooling

Type	Standards	
	MIL	VG
MK7 Application Tool for Cable Ties	MS 90387-1	VG95387-105
MK9 Application Tool for Cable Ties	MS 90387-2	VG95387-105