

MK3TEN - Tensioning Tool

- For nylon cable ties only
- This lightweight tool is ideal for continuous production work
- The MK3TEN can be used for T18, T30 and T50 Series cable ties
- Maximum width of Tie: 4.8mm
- Dimensions (mm): 184 (L) x 128 (H) x 24 (W)
- Weight: 0.3kg



Nylon Cable Tie
Tensioned/Cut/No sharp edges

**MK7TEN - Tensioning Tool**

- For nylon cable ties only
- This ergonomically lightweight tool with padded hand grips is designed to reduce hand effort in heavy duty production work
- The MK7TEN can be used for T18 and T50 Series cable ties
- Maximum width of Tie: 4.8mm
- Dimensions (mm): 170 (L) x 135 (H) x 25 (W)
- Weight: 0.28kg



Nylon Cable Tie
Tensioned/Cut/No sharp edges

**TG007 - Plastic Frame Tensioning Tool**

- For nylon cable ties only
- This lightweight tool is ideal for heavy duty production work
- The TG007 can be used for T18, T30 and T50 Series cable ties
- Maximum width of Tie: 4.8mm
- Dimensions (mm): 165 (L) x 135 (H) x 25 (W)
- Weight: 0.21kg



Nylon Cable Tie
Tensioned/Cut/No sharp edges

**TG008 - Steel Frame Tensioning Tool**

- For nylon cable ties only
- This lightweight tool is ideal for heavy duty production work
- The TG008 can be used for T18, T30 and T50 Series cable ties
- Maximum width of Tie: 4.8mm
- Dimensions (mm): 160 (L) x 135 (H) x 25 (W)
- Weight: 0.3kg



Nylon Cable Tie
Tensioned/Cut/No sharp edges

**EVO7TOOL - Tensioning Tool**

- For nylon cable ties only
- Ergonomically lightweight tool
- Extended slim nose to operate in narrow spaces
- The EVO7TOOL can be used for T18 and T50 Series cables ties
- Maximum width of Tie: 5.1mm
- Dimensions (mm): 191 (L) x 138 (H) x 34 (W)
- Weight: 0.27kg



Nylon Cable Tie
Tensioned/Cut/No sharp edges

**RST - Tensioning Tool**

- For nylon cable ties only
- This lightweight tool is ideal for heavy duty production work
- The RST can be used for T50 and T120 Series cable ties
- Maximum width of Tie: 9mm
- Dimensions (mm): 190 (L) x 95 (H) x 30 (W)
- Weight: 0.5kg



Nylon Cable Tie
Tensioned/Cut/No sharp edges

**MK9SST - Stainless Steel Tensioning Tool**

- For stainless steel cable ties only
- Tensioning tool for heavy duty production work
- The MK9SST can be used for MBT8, MBT14, MBT20 and MBT27 Series cable ties
- Maximum width of Tie: 4.6 - 13mm
- Dimensions (mm): 190 (L) x 150 (H) x 40 (W)
- Weight: 0.48kg



Stainless Steel Cable Tie
Tensioned/Cut/No sharp edges

**HT338 - Stainless Steel Tensioning Tool**

- Fastens and automatically cuts ties with adjustable bundling pressure
- Tension adjusting indicator
- For cable tie thickness up to 0.3mm. Width up to 7.9mm
- Suitable for HellermannTyton MBT cable ties MBT8, MBT14, MBT20 and MBT27



Stainless Steel Cable Tie
Tensioned/Cut/No sharp edges



T Series MIL Spec Ties

Features and Benefits

Available in a wide range of materials, these cable ties all feature internal serrations allowing for a positive hold onto cable, hose and pipe bundles. The design of the head guarantees a high tensile strength whilst allowing a very low insertion force. This, combined with the bent tail design of many of the ties, ensures a simple and quick installation. Whilst easily installed by hand - manual and pneumatic (for high volume applications) tensioning tools are available to ensure a consistent and safe installation.

Application

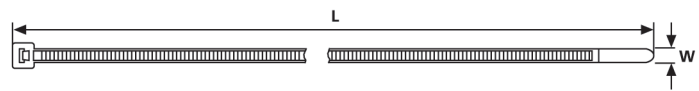
For the routing, bundling and securing of cables, pipes and hoses.

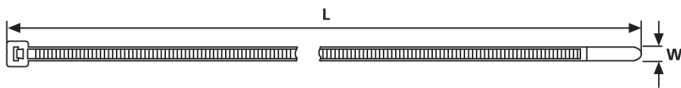
Application Tool	Registration Numbers
MK3SP	1
MK3PNSP2, MK7P	2
MK7	3
EVO7TOOL	4
TG007	5
MK6	6
MK9P, MK6PN	7
MK9	8
MK9HT	9
Autotool 2000	11

For Application Tools please refer to Page 10.



T Series for bundling and securing of cables for a wide range of applications, available in various colours and materials.





T18S – LK5

Product Selection

Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool	Pkg. Qty.
*Polyamide 6.6 (PA66)								
T18SNT	83	2.3	16	80	PA66	Natural (NT)	1-3,5	100
T18SBK	83	2.3	16	80	PA66	Black (BK)	1-3,5	100
T18RNT	100	2.5	22	80	PA66	Natural (NT)	1-3,5	100
T18RBK	100	2.5	22	80	PA66	Black (BK)	1-3,5	100
T30RNT	150	3.5	35	135	PA66	Natural (NT)	1-3,5	100
T30RBK	150	3.5	35	135	PA66	Black (BK)	1-3,5	100
T50RNT	200	4.6	50	225	PA66	Natural (NT)	1-10	100
T50RBK	200	4.6	50	225	PA66	Black (BK)	1-10	100
T50INT	300	4.6	85	225	PA66	Natural (NT)	1-10	100
T50IBK	300	4.6	85	225	PA66	Black (BK)	1-10	100
T50LNT	390	4.6	110	225	PA66	Natural (NT)	1-10	100
T50LBK	390	4.6	110	225	PA66	Black (BK)	1-10	100
T120GSNT	225	7.6	55	535	PA66	Natural (NT)	6-10	100
T120SNT	278	7.6	55	535	PA66	Natural (NT)	6-10	100
T120SBK	278	7.6	55	535	PA66	Black (BK)	6-10	100
T120GSBK	225	7.6	55	535	PA66	Black (BK)	6-10	100
T120RNT	390	7.6	105	535	PA66	Natural (NT)	6-10	50
T120RBK	390	7.6	105	535	PA66	Black (BK)	6-10	50
LK5BK	535	13.2	150	1115	PA66	Black (BK)	1-10	50
LK5NT	535	13.2	150	1115	PA66	Natural (NT)	1-10	50
Insulok Nylon Colour Cable Ties (Blue, Brown, Orange, Pink, Red, Violet, Yellow, White)								
T18R\$	100	2.5	22	80	PA66		1-3,5	100
T30R\$	150	3.5	35	135	PA66		1-3,5	100
T50R\$	200	4.6	50	225	PA66		1-10	100
T50I\$	300	4.6	85	225	PA66		1-10	100
T50L\$	390	4.6	110	225	PA66		1-10	100
T120S\$	278	7.6	55	535	PA66		6-10	100
T120R\$	390	7.6	105	535	PA66		6-10	50
LK5\$	535	13.2	150	1115	PA66		1-10	50
Insulok Nylon Colour Cable Ties Mixed (MC – Mixed Standard Colours, MDC – Mixed Colours Day Glo)								
T18RMC	100	2.5	22	80	PA66	Various	1-3.5	100
T18RMDC	100	2.5	22	80	PA66	Day-Glo	1-3,5	50
T30RMC	150	3.5	35	135	PA66	Various	1-3,5	100
T30RMDC	150	3.5	35	135	PA66	Day-Glo	1-3,5	50
T50RMC	200	4.6	50	225	PA66	Various	1-10	100
T50RMDC	200	4.6	50	225	PA66	Day-Glo	1-10	50

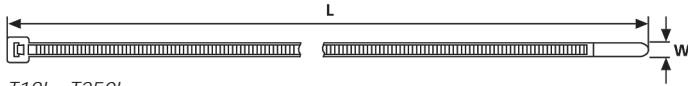
Dimensions are approximate and subject to technical changes. Use Code for ordering and Type for specification purposes.

For Application Tools please refer to Page 10.

*Please note that Polypropylene cable ties are available upon request.



Please Note for Product Specification Approvals please refer to Appendix.



T18L – T250L

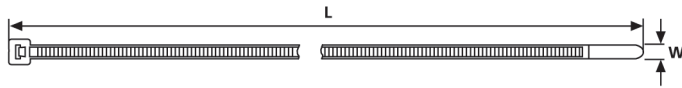
Product Selection

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool	Pkg. Qty.
Polyamide 6.6 (PA66)								
T18L	140	2.5	35	80	PA66	Natural (NT)	1–3, 5	1000
T18L	140	2.5	35	80	PA66	Black (BK)	1–3, 5	100
T18L	205	2.5	55	80	PA66	Natural (NT)	1–3, 5	1000
T18L	205	2.5	55	80	PA66	Black (BK)	1–3, 5	1000
T25L	240	2.8	65	110	PA66	Natural (NT)	1–3, 5	100
T25L	240	2.8	65	110	PA66	Black (BK)	1–3, 5	100
T25LL	330	2.8	95	110	PA66	Natural (NT)	1–3, 5	100
T25LL	330	2.8	95	110	PA66	Black (BK)	1–3, 5	100
T30L	190	3.5	50	135	PA66	Natural (NT)	1–3, 5	500
T30L	190	3.5	50	135	PA66	Black (BK)	1–3, 5	500
T30LL	290	3.5	80	135	PA66	Natural (NT)	1–3, 5	500
T30LL	290	3.5	80	135	PA66	Black (BK)	1–3, 5	500
T40L	365	4.0	105	180	PA66	Natural (NT)	1–5	100
T40L	365	4.0	105	180	PA66	Black (BK)	1–5	100
T40R	175	4.0	45	180	PA66	Natural (NT)	1–5	100
T40R	175	4.0	45	180	PA66	Black (BK)	1–5	100
T50S	150	4.6	35	225	PA66	Natural (NT)	1–10	500
T50S	150	4.6	35	225	PA66	Black (BK)	1–10	500
T50M	245	4.6	65	225	PA66	Natural (NT)	1–10	100
T50M	245	4.6	65	225	PA66	Black (BK)	1–10	100
T50LL	445	4.6	130	225	PA66	Natural (NT)	1–10	100
T50LL	445	4.6	130	225	PA66	Black (BK)	1–10	100
T80R	210	4.7	55	355	PA66	Natural (NT)	1–10	100
T80R	210	4.7	55	355	PA66	Black (BK)	1–10	100
T80I	300	4.7	85	355	PA66	Natural (NT)	1–10	100
T80I	300	4.7	85	355	PA66	Black (BK)	1–10	100
T80L	390	4.7	110	355	PA66	Natural (NT)	1–10	100
T80L	390	4.7	110	355	PA66	Black (BK)	1–1	100
T120I	300	7.6	80	535	PA66	Natural (NT)	6–10	100
T120I	300	7.6	80	535	PA66	Black (BK)	6–10	100
T120M	460	7.6	130	535	PA66	Natural (NT)	6–10	100
T120M	460	7.6	130	535	PA66	Black (BK)	6–10	100
T120XM	600	7.6	175	535	PA66	Natural (NT)	6–10	50
T120L	760	7.6	225	535	PA66	Natural (NT)	6–10	50
T120L	760	7.6	225	535	PA66	Black (BK)	6–10	50
T150M	530	8.9	150	780	PA66	Natural (NT)	6–9	25
T150M	530	8.9	150	780	PA66	Black (BK)	6–9	25
T150L	820	8.9	245	780	PA66	Natural (NT)	6–9	25
T150L	820	8.9	245	780	PA66	Black (BK)	6–9	25
T150XL	1095	8.9	330	780	PA66	Natural (NT)	6–9	25
T250S	225	12.5	55	1115	PA66	Natural (NT)	7–9	100
T250S	225	12.5	55	1115	PA66	Black (BK)	7–9	100
T250X	370	12.5	100	1115	PA66	Natural (NT)	7–9	100
T250X	370	12.5	100	1115	PA66	Black (BK)	7–9	100
T250L	880	12.5	254	1115	PA66	Natural (NT)	7–9	25
T250L	880	12.5	254	1115	PA66	Black (BK)	7–9	25

Dimensions are approximate and subject to technical changes. Use Code for ordering and Type for specification purposes. For Application Tools please refer to Page 10.



Please Note for Product Specification Approvals please refer to Appendix.



T18R – T120L

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool	Pkg. Qty.
Polyamide 6.6 V0 Rated								
T18R	100	2.5	22	80	PA66V0	Natural (NT)	1–3,5	100
T18L	205	2.5	55	80	PA66V0	White (Wh)	1–3,5	1000
T30R	150	3.5	35	135	PA66V0	White (Wh)	1–3,5	100
T50R	200	4.6	50	225	PA66V0	Natural (NT)	1–10	100
T50I	300	4.6	85	225	PA66V0	White (Wh)	1–10	100
T120R(E)	390	7.6	105	535	PA66V0	White (Wh)	6–10	100
TEFZEL/ETFE								
T18R(U)	100	2.5	40	1115	E/TFE	Blue (BL)	1–3,5	100
T30R(U)	150	3.5	135	1115	E/TFE	Blue (BL)	1–3,5	100
T50R(U)	200	4.6	158	1115	E/TFE	Blue (BL)	1–10	100
Polyamide 4.6 High								
T30R	150	3.5	135	1115	PA46	Natural (NT)	1–3,5	100
T50R	200	4.6	225	1115	PA46	Natural (NT)	1–10	100
T50I	300	4.6	225	1115	PA46	Natural (NT)	1–10	100
T50L	390	4.6	225	1115	PA46	Natural (NT)	1–10	100
T120R	360	7.6	535	1115	PA46	Natural (NT)	6–10	100
T120L	760	7.6	535	1115	PA46	Black (BK)	6–10	50

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

For Application Tools please refer to Page 10.

Application Tool	Registration Numbers
MK3SP	1
MK3PNSP2, MK7P	2
MK7	3
EVO7TOOL	4
TG007	5
MK6	6
MK9P, MK6PN	7
MK9	8
MK9HT	9
Autotool 2000	11

For Application Tools please refer to Page 10.

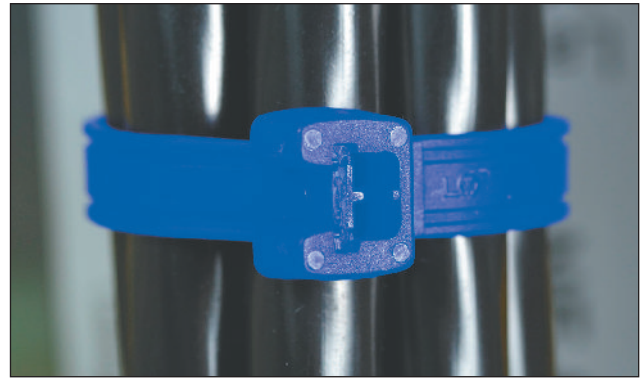


Please Note for Product Specific Approvals please refer to Appendix.

Q-tie Cable Tie

Innovative – Effective – Safe!

The new Q-tie has not only an innovative but also a revolutionary design. The openhead of the cable tie enables a simple and quick installation. Just insert the ergonomically bent tail into the open side of the head and tighten the cable tie. With Q-ties you can save time and money!



The head design makes the difference.

Easy application for every situation!

Q-tie is the perfect product solution for applications under difficult working conditions. It is designed for use in applications where working with gloves is necessary or for blind applications with a limited view of the work. The new Q-tie allows a quick and simple installation even with work gloves and restricted view.

Features for quick and easy application:

- Curved and large ribbed tail
- Open head with easy detectable slot

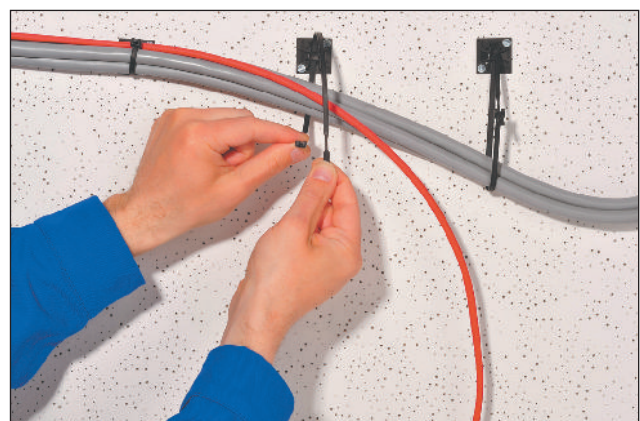
This saves time and trouble!



Even under difficult circumstances the Q-ties are very fast and easy to apply.

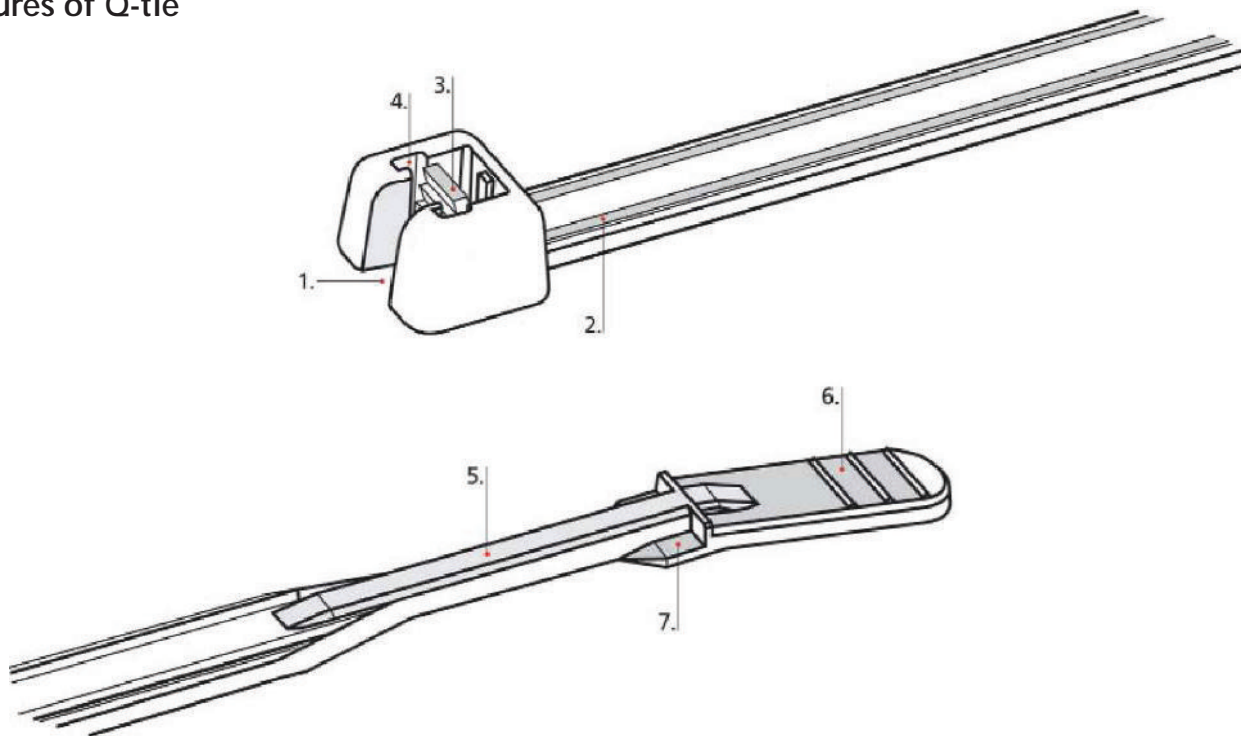
Integrated Pre-Locking Functionality!

Due to several simultaneous working processes, it is not always possible to install all cables and conduits in one single step. Thus, working with standard cable ties means either destroying the cable tie of the first installation or applying additional cable ties. The integrated pre-locking function of the Q-tie offers the ability of a temporary and final cable fastening solution. This saves material and time!



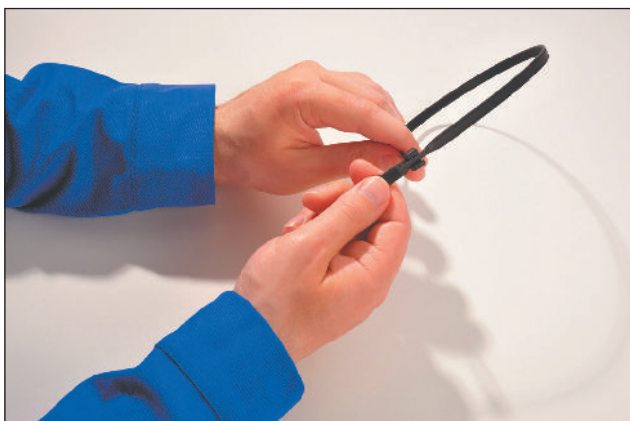
Without additional effort Q-ties can be used for temporary and final cable bundling.

Features of Q-tie

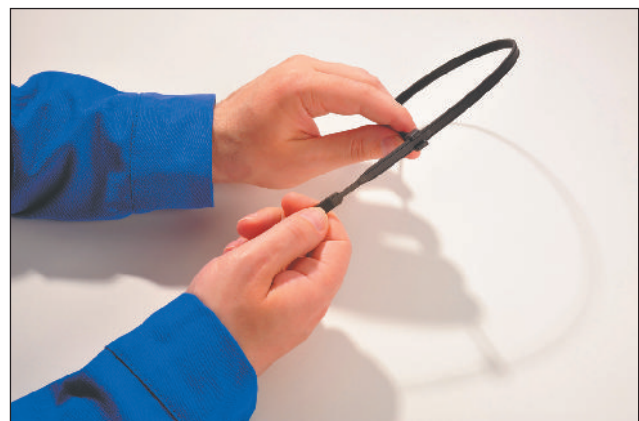


1. Open lock head for quick and easy insertion of tail.
2. Two rails on the strap ensure perfect alignment of the tracks in the head.
3. The locking device engages safely with the serration of the cable tie.
4. The tracks prevent deformation of the head under load.
5. The narrow part of the cable tie can be simply placed into the open lock head.
6. The large ribbed tail allows a safe and ergonomic installation.
7. Integrated pre-locking feature provides safe closure of tie prior to final tensioning.

Application method

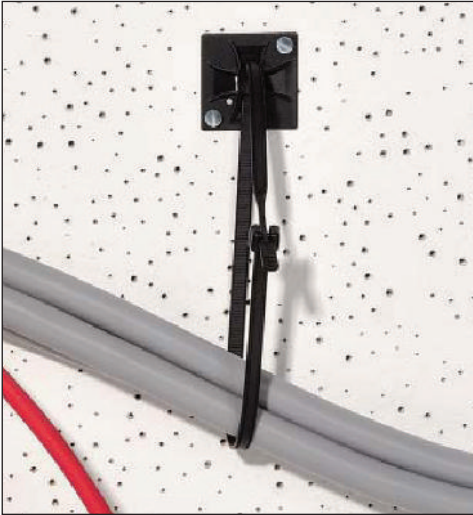


1. Insert the thin part of the cable tie into the open lock head.

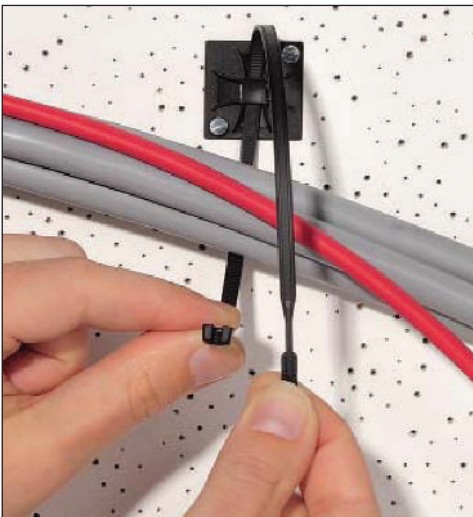


2. Pull the tie through the head until the bundle is fixed.
3. Cut off the remaining part of the tie with an application tool.

Pre-locking function of the Q-tie



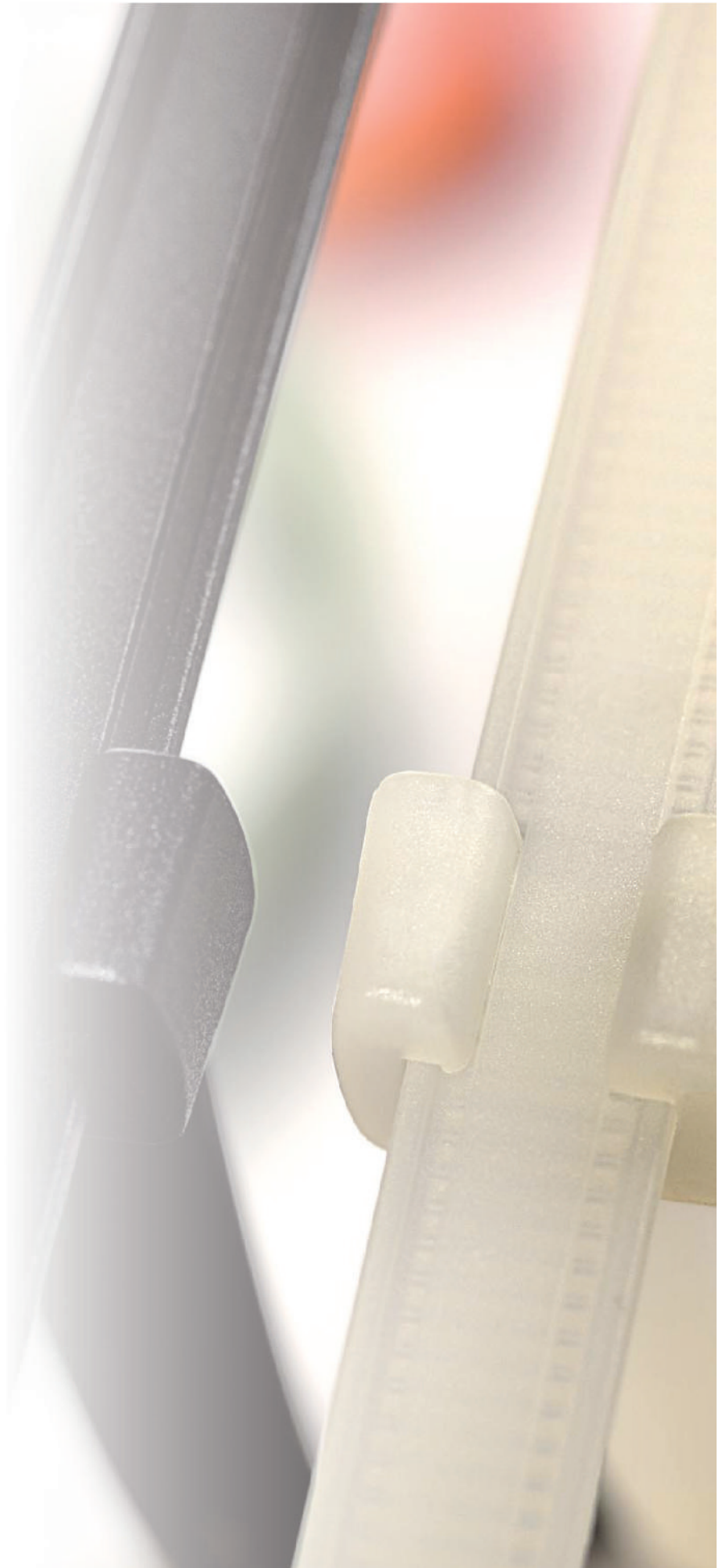
1. Insert tail into lock head and push tail partly in the head.



2. To release the tie push tail end slightly out of head.



3. If installation is finished, Q-tie can be tightened and cut off - either manually or with an application tool.



Cable ties with open head

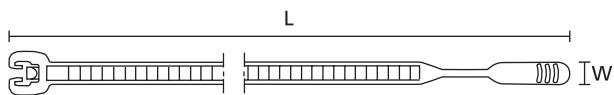
- Q-ties, Polyamide 6.6 (PA66), natural and black.

Application Tool	Registration Numbers
MK3SP	1
MK3PNSP2, MK7P	2
MK7	3
EVO7TOOL	4
TG007	5
MK6	6
MK9P, MK6PN	7
MK9	8
MK9HT	9
Autotool 2000	11

For Application Tools please refer to Page 10.



Q-tie cable ties: choose from a wide product range in different materials.



Q-tie cable tie

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

RoHS (halogenfree)

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 (PA66)								
109-00001	Q18R	105	2.6	24.0	80	PA66	Natural (NA)	1-5
109-00004	Q18I	155	2.6	40.0	80	PA66	Natural (NA)	1-5
109-00007	Q18L	195	2.6	50.0	80	PA66	Natural (NA)	1-5
109-00010	Q30R	160	3.6	38.0	130	PA66	Natural (NA)	1-5
109-00012	Q30L	200	3.6	50.0	130	PA66	Natural (NA)	1-5
109-00014	Q30LR	250	3.6	65.0	130	PA66	Natural (NA)	1-5
109-00018	Q50R	210	4.7	50.0	220	PA66	Natural (NA)	1-10
109-00020	Q50I	290	4.7	75.0	220	PA66	Natural (NA)	1-10
109-00022	Q50L	410	4.7	110.0	220	PA66	Natural (NA)	1-10
109-00024	Q120I	300	7.7	70.0	530	PA66	Natural (NA)	6-10
109-00026	Q120R	420	7.7	110.0	530	PA66	Natural (NA)	6-10
109-00028	Q120M	520	7.7	145.0	530	PA66	Natural (NA)	6-10
109-00030	Q18R	105	2.6	24.0	80	PA66	Black (BK)	1-5
109-00033	Q18I	155	2.6	40.0	80	PA66	Black (BK)	1-5
109-00036	Q18L	195	2.6	50.0	80	PA66	Black (BK)	1-5
109-00039	Q30R	160	3.6	38.0	130	PA66	Black (BK)	1-5
109-00041	Q30L	200	3.6	50.0	130	PA66	Black (BK)	1-5
109-00043	Q30LR	250	3.6	65.0	130	PA66	Black (BK)	1-5
109-00047	Q50R	210	4.7	50.0	220	PA66	Black (BK)	1-10
109-00049	Q50I	290	4.7	75.0	220	PA66	Black (BK)	1-10
109-00051	Q50L	410	4.7	110.0	220	PA66	Black (BK)	1-10
109-00053	Q120I	300	7.7	70.0	530	PA66	Black (BK)	6-10
109-00055	Q120R	420	7.7	110.0	530	PA66	Black (BK)	6-10
109-00057	Q120M	520	7.7	145.0	530	PA66	Black (BK)	6-10

All dimensions in mm. Subject to technical changes.

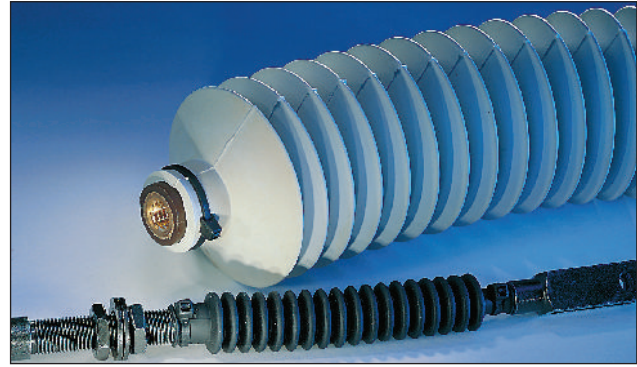
CTT, HT Hose Ties

Features and Benefits

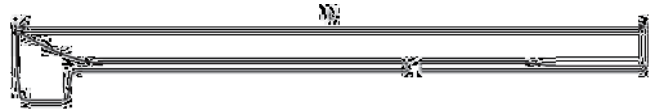
The curved design of the head ensures a seal around the full circumference of the hose/gaiter giving excellent protection against the ingress of water or dirt. For optimum sealing performance it is recommended that the correct HellermannTyton application tool is used. Both hand operated and pneumatic tools are available.

Application

Designed to secure pipes, hoses and gaiters, where low pressures are being secured. These ties can be used in many industries, including: automotive, white goods manufacturers and construction.



CTT ties installed on flexible gaiters.



CTT Hose Ties

Material Data

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

Material Data

RoHS	Material	Polyamide 6.6 Heat and UV Stabilised (PA66HSW)	HF (halogenfree)
	Operating Temperature	-40°C to +105°C Continuous, (+145°C for 500 h)	
	Flammability	UL94 V2	

Material Data

RoHS	Material	Polyamide 6.6 Heat Stabilised (PA66HS)	HF (halogenfree)
	Operating Temperature	-40°C to +105°C Continuous, (+145°C for 500 h)	
	Flammability	UL94 V2	

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
CTT20R							
CTT20R	100	2,5	13	90	PA66	Natural (NT)	1-3, 5
CTT60R							
CTT20R	100	2,5	13	90	PA66	Black (BK)	1-3, 5
CTT60R	205	4.7	45	265	PA66	Natural (NT)	1-10
CTT60R	205	4.7	45	265	PA66	Black (BK)	1-10
CTT60R	205	4.7	45	265	PA66HSW	Black (BK)	1-10
CTT60R	205	4.7	45	265	PA66HS	Black (BK)	1-10
HRT50R							
HRT50R	275	4.7	70	225	PA66	Natural (NT)	1-10
HT120R							
HT120R	340	7.6	90	535	PA66HS	Black (BK)	6-10

All dimensions in mm. Subject to technical changes



Please Note for Product Specific Approvals please refer to Appendix.

DH Series Double Headed Ties

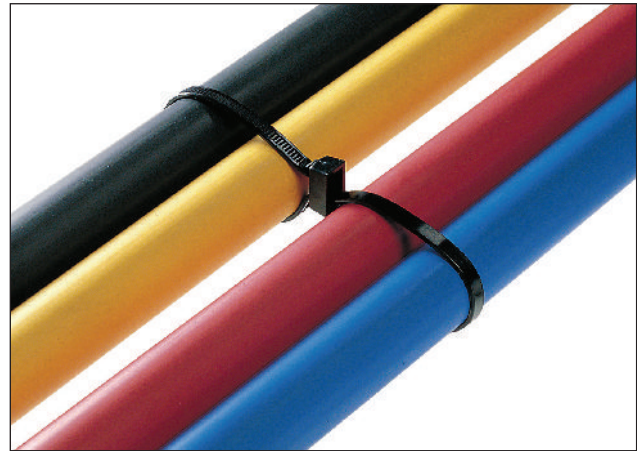
Features and Benefits

Designed with two heads, these ties can be assembled into a 'figure 8' for securing two cables. Its flexible adjustment means that the bundles can be of different sizes.

Application

Ideal for running two cables in parallel, that need to be separated. These ties allow for installation of a second cable run without the need for additional cable ties.

The DH ties are also widely used within the packaging industry - the first loop closes and secures the bag, whilst the second loop can be made into a carrying handle (subject to weight).



Bundling two cable runs using the DH ties.



DH Series

Material Data

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

Material Data

RoHS	Material	Polyamide 4.6 (PA46)	HF (halogenfree)
	Operating Temperature	-40°C to +150°C for 5000 h, (+195°C for 500 h)	
	Flammability	UL94 V2	

Material Data

RoHS	Material	Polyamide 6.6 UV Resistant (PA66W)	HF (halogenfree)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)	
	Flammability	UL94 V2	

Material Data

RoHS	Material	Polyamide 6.6 Heat Stabilised (PA66HS)	HF (halogenfree)
	Operating Temperature	-40°C to +105°C Continuous, (+145°C for 500 h)	
	Flammability	UL94 V2	

Technical Table

Code	Length (L)	Width (W)	Ø per loop max.	Min. Tensile Strength (N)	Min. Tensile Strength (N) 2nd Loop	Material	Colour	Application Tool
T50RDH	210	4.7	50	225	180	PA66	Black (BK)	1-10
T50RDH	210	4.7	50	225	180	PA66	Natural (NT)	1-10
T50RDH	210	4.7	50	225	180	PA66W	Black (BK)	1-10
T50RDH	210	4.7	50	225	180	PA66HS	Black (BK)	1-10
T50RDH	210	4.7	50	225	180	PA46	Grey (GY)	1-10
T50IDH	305	4.7	38	225	180	PA66	Black (BK)	1-10
T50IDH	305	4.7	38	225	180	PA66	Natural (NT)	1-10
T50IDH	305	4.7	38	225	180	PA66W	Black (BK)	1-10
T50LDH	395	4.7	50	225	180	PA66	Black (BK)	1-10
T50LDH	395	4.7	50	225	180	PA66	Natural (NT)	1-10
T50LDH	395	4.7	110	225	180	PA66W	Black (BK)	1-10
T50LDH	395	4.7	110	225	180	PA66HS	Black (BK)	1-10

All dimensions in mm. Subject to technical changes



Please Note for Product Specific Approvals please refer to Appendix.

OS Series Outside Serrated Ties

Features and Benefits

The ever increasing demands within the mass transit, automotive and data cable installation industries for tighter bundles has led to problems with the conventional inside serrated cable tie design causing damage to cable insulations, especially in vibration environments.

The OS range of outside serrated cable ties have overcome these problems. The design offers high tensile strengths, low insertion forces and a smooth surface to the cable insulation - minimising any indentation or damage. The curved shape of the head allows the tie to follow the contours of the cable and takes up less space than other designs of cable ties.

Application

Designed originally for the automotive market these ties are now being used in many areas where thin-walled or soft insulation wires and cable are being installed, e.g. railways, aircraft, data cable installations and electronics.

Material Data

RoHS	Material	Polyamide 6.6 V0 (PA66V0)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)
	Flammability	Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation, UL94 V0
		HF (halogenfree)

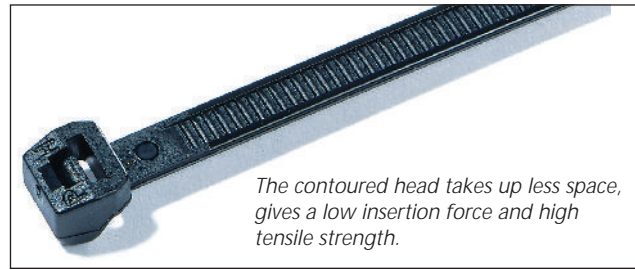
Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
Polyamide 6.6 UV Stabilised								
T50SOS	150	4.6	1.6	35	225	PA66W	Black (BK)	1-5
T50ROS	200	4.6	1.6	50	225	PA66W	Black (BK)	1-5
Polyamide 6.6 Heat Stabilised								
T18ROS	100	2.5	1.6	20	80	PA66HS	Black (BK)	1-3, 5
T30ROS	145	3.4	1.6	35	135	PA66HS	Black (BK)	1-3, 5
T50SOS	150	4.6	1.6	35	225	PA66HS	Natural (NT)	1-5
T50SOS	150	4.6	1.6	35	225	PA66HS	Black (BK)	1-5
T30LOS	200	3.4	1.6	50	135	PA66HS	Black (BK)	1-3, 5
T50ROS	200	4.6	1.6	50	225	PA66HS	Natural (NT)	1-5
T50ROS	200	4.6	1.6	50	225	PA66HS	Black (BK)	1-5
T50MOS	245	4.6	1.6	66	225	PA66HS	Black (BK)	1-5
T50LOS	384	4.6	1.6	110	225	PA66HS	Black (BK)	1-5
Polyamide 6.6 V0 Rated								
T30ROS	145	3.4	1.6	35	135	PA66V0	Natural (NT)	1-3, 5
Polyamide 4.6								
T50SOS	150	4.6	1.6	35	225	PA46	Grey (GY)	1-5
T50SOS	150	4.6	1.6	35	225	PA46	Grey (GY)	1-5
T50MOS	245	4.6	1.6	66	225	PA46	Natural (NT)	1-5

All dimensions in mm. Subject to technical changes. Other materials available on request.



Please Note for Product Specification Approvals please refer to Appendix.



The new head design of the OS Series

Material Data

RoHS	Material	Polyamide 6.6 UV Resistant (PA66W)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)
	Flammability	UL94 V2
		HF (halogenfree)

Material Data

RoHS	Material	Polyamide 4.6 (PA46)
	Operating Temperature	-40°C to +150°C for 5000 h, (+195°C for 500 h)
	Flammability	Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation, UL94 V2
		HF (halogenfree)

Material Data

RoHS	Material	Polyamide 6.6 Heat Stabilised (PA66HS)
	Operating Temperature	-40°C to +105°C Continuous, (+145°C for 500 h)
	Flammability	UL94 V2
		HF (halogenfree)

RPE Series and PE Series Low Profile Ties

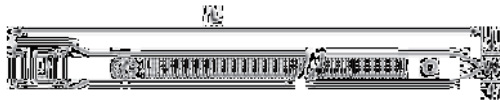
Features and Benefits

These cable ties are 'outside serrated', presenting a smooth surface to the cable bundle. This, combined with the width of the ties, gives a broad contact area with the cable, avoiding any problems with damage to the insulation. The PE/RPE ranges have the benefit of EDF (French Electricity Board) approval. The 'Low Profile' design of the head allows for use in applications with restricted space.

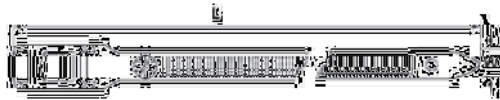
The RPE ties are releasable, reusable allowing for the addition or removal of cables after installation.

Application

Designed primarily for use within the electrical supply industry these ties are particularly useful in areas with limited space, due to their low profile 'parallel entry' closure. Particularly suitable for outdoor use as they are manufactured from 'UV' resistant polyamides.



PE Series



RPE Series



RPE, PE Series.

Material Data

RoHS	Material	Polyamide 6.6 Heat and UV Stabilised (PA66HSW)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)
	Flammability	UL94 V2
	HF (halogenfree)	

Material Data

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

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
PE180	180	9	42	330	PA66HSW	Black (BK)	6-10
PE530	535	9	146	445	PA66HSW	Black (BK)	6-10
PE180	180	9	42	330	PA66HSW	Black (BK)	6-10
PE400	400	9.0	116	445	PA66	Red (RD)	6-10
PE400	400	9.0	116	445	PA66	Yellow (YE)	6-10
PE400	400	9.0	116	445	PA66	Blue (BU)	6-10
PE400	400	9.0	116	445	PA66	Green (GN)	6-10
RPE275	275	9	69	445	PA66HSW	Black (BK)	6-10
RPE350	350	9	92	445	PA66HSW	Black (BK)	6-10

All dimensions in mm. Subject to technical changes.



Please Note for Product Specific Approvals please refer to Appendix.

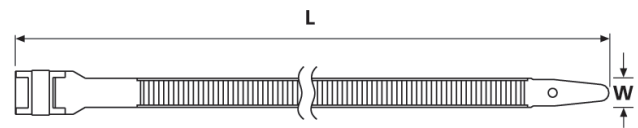
LPH Series Low Profile Ties

Features and Benefits

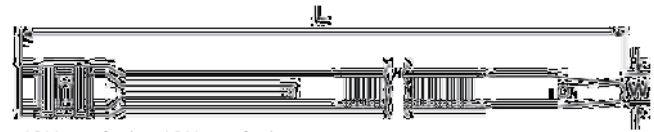
These cable ties are 'outside serrated', presenting a smooth surface to the cable bundle and avoiding any problems with damage to the insulation, the width of the ties gives a broad contact area with the cable, again minimising the risk of damage. The PE/RPE ranges have the benefit of EDF (French Electricity Board) approval. The 'Low Profile' design of the head allows for use in applications with restricted space. The RP ties are releasable and reusable allowing for the addition or removal of cables after installation.

Application

Designed primarily for use within the electrical supply industry these ties are particularly useful in areas with limited space, e.g. cable bundling in shafts and are particularly suitable for outdoor use as they are manufactured from 'UV' resistant polyamides.



LPH175 Series



LPH275 Series, LPH350 Series

Material Data

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

Material Data

RoHS	Material	Polyamide 6.6 UV Resistant (PA66W)	HF (halogenfree)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)	
	Flammability	UL94 V2	

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
LPH175	175	9	40	310	PA66	Black (BK)	6-10
LPH175	175	9	40	310	PA66W	Black (BK)	6-10
LPH275	265	9	62	480	PA66	Black (BK)	6-10
LPH275	265	9	62	480	PA66W	Black (BK)	6-10
LPH350	355	9	92	480	PA66	Black (BK)	6-10
LPH350	355	9	92	480	PA66W	Black (BK)	6-10

All dimensions in mm. Subject to technical changes.

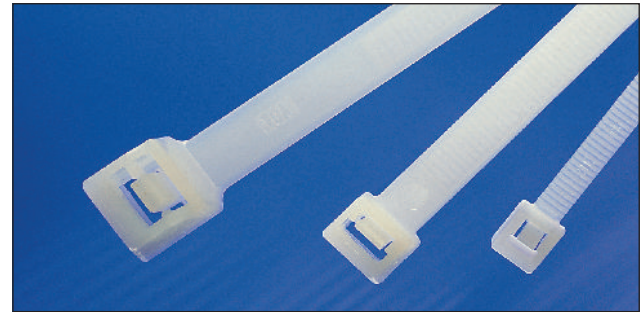
RT, RELK, RLT Series Releasable Cable Ties

Features and Benefits

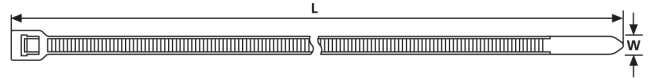
The extended pawl allows for the quick and simple release of the ties. Manufactured in various grades of PA66 these products are suitable for indoor, outdoor and high temperature applications.

Application

Used in a wide range of industries these releasable and re-usable ties are ideal where temporary installation or the addition or removal of cables is required eg. theatres, outdoor events and harness work.



The RT, RELK and RLT cable ties can be easily re-opened and re-used.



RT, RELK, RLT Series Releasable Ties

Material Data

RoHS	Material	Polyamide 6.6 UV Resistant (PA66W)
	Operating Temperature	-40 °C to +85 °C Continuous, (+105 °C for 500 h)
	Flammability	UL94 V2
	HF (halogenfree)	

Material Data

RoHS	Material	Polyamide 6.6 Heat Stabilised (PA66HS)
	Operating Temperature	-40°C to +105°C Continuous, (+145°C for 500 h)
	Flammability	UL94 V2
	HF (halogenfree)	

Material Data

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

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour
RT40R	215	4.0	51	150	PA66	Natural (NT)
RT40R	215	4.0	51	150	PA66	Black (BK)
RT50S	165	4.6	35	225	PA66	Natural (NT)
RT50S	165	4.6	35	225	PA66	Black (BK)
RELK2R	200	4.6	50	200	PA66	Natural (NT)
RELK2R	200	4.6	50	200	PA66	Black (BK)
RELK2M	250	4.6	65	200	PA66	Natural (NT)
RELK2M	250	4.6	65	200	PA66	Black (BK)
RELK2I	300	4.6	81	200	PA66	Natural (NT)
RELK2I	300	4.6	81	200	PA66	Black (BK)
RELK2L	350	4.6	95	200	PA66	Natural (NT)
RELK2L	350	4.6	95	200	PA66	Black (BK)
RLT120	340	7.6	90	535	PA66	Natural (NT)
RLT120	340	7.6	90	535	PA66	Black (BK)
RLT150	770	8.9	225	670	PA66	Natural (NT)
RLT150	770	8.9	225	670	PA66	Black (BK)
RLT150	770	8.9	225	670	PA66W	Black (BK)
RLT150	770	8.9	225	670	PA66HS	Natural (NT)

All dimensions in mm. Subject to technical changes.



Please Note for Product Specific Approvals please refer to Appendix.

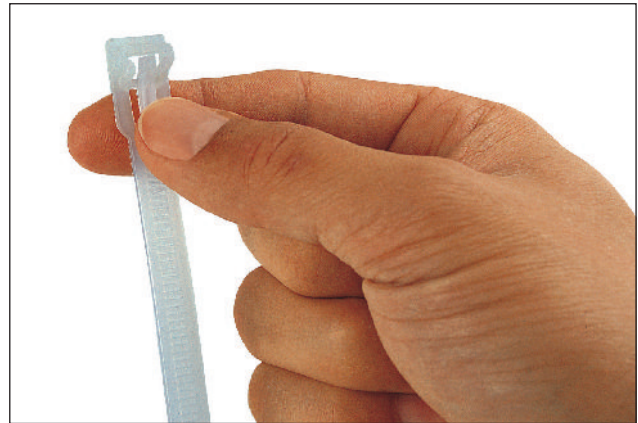
REL Series Releasable Ties

Features and Benefits

The specially designed unique release mechanism makes this releasable and reusable tie one of the easiest to operate, it can be quickly and simply opened with one hand.

Application

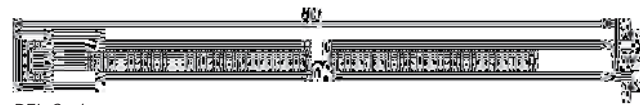
Ideal for use where there is the need to repeatedly open and close the tie – both industrial and commercial applications eg. bundling garden hoses, extension cables and harness manufacture.



The REL series have a simple opening mechanism.

Material Data

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



REL Series

Material Data

RoHS	Material	Polyamide 6.6 UV Resistant (PA66W)	HF (halogenfree)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)	
	Flammability	UL94 V2	

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour
REL100	100	6.5	21	180	PA66	Natural (NT)
REL140	140	7.5	35	200	PA66	Natural (NT)
REL140	140	7.5	35	200	PA66	Black (BK)
REL140	150	7.6	35	200	PA66W	Black (BK)
REL180	180	6.5	46	150	PA66	Black (BK)
REL250	250	7.6	68	200	PA66	Natural (NT)
REL250	250	7.6	68	200	PA66	Black (BK)
REL250	250	7.5	68	200	PA66W	Black (BK)

All dimensions in mm. Subject to technical changes



Please Note for Product Specific Approvals please refer to Appendix.

REZ Series Releasable Ties

Features and Benefits

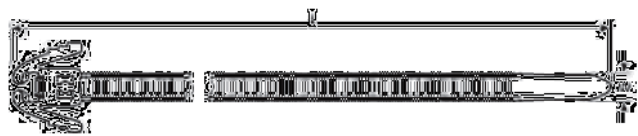
The unique, patented head design enables quick and simple use. The tie can be inserted in the normal way and pulled tight or the tail can be twisted into the open part of the head and locked into place. The quick release mechanism can be released by one hand - even when the tie is under tension - by simply pinching the ears.

Application

These releasable and reusable ties are ideal for temporary installations or the addition and/or removal of cables. Suitable for a multitude of uses, such as the packaging industry as a bag closure where access to part of the bag contents may be needed but the bag needs to be re-sealed (eg. - milk powder in the catering industry).



The REZ ties have a one-hand, simple, release mechanism.



Technical Table					
Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Colour
REZ200	200	4.7	50	135	Black (BK)
REZ300	305	4.7	80	135	Natural (NT)
REZ300	305	4.7	80	135	Black (BK)

All dimensions in mm. Subject to technical changes.

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

RoHS

HF
(halogenfree)

RS1 Series

Features and Benefits

This bobble tie allows a simple and quick fixing.

Application

Ideal for temporary bundling or as a bag closure.

Technical Table					
Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Colour
RS1	110	2.0	31	-	Black (BK)
RS1	110	2.0	31	-	Natural (NT)

All dimensions in mm. Subject to technical changes.



RS1 Series

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

RoHS

HF
(halogenfree)

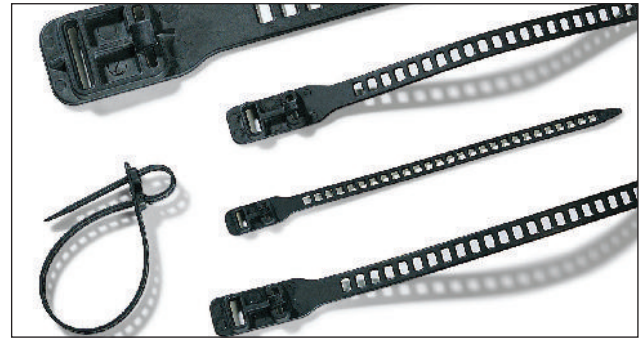
SRT Series Releasable Ties

Features and Benefits

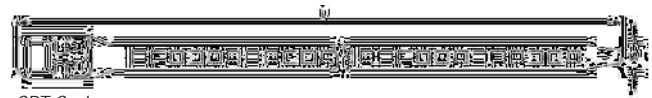
Manufactured from a soft, tear-resistant thermoplastic polyurethane these ties have several unique features: UV and weather resistant, strong yet elastic, and suitable for temperatures as low as -40°C. The SRT ties are releasable and reusable which is ideal for bundling cables in temporary applications such as musical events, theatres and cable harnesses.

Application

The SRT range offers solutions to numerous bundling applications. The soft, flexible material makes these ties particularly suitable for use on data and fibre-optic cables. The elasticity of the material makes them ideal for securing young trees to support poles, and other applications within the gardening and landscaping industry.



The elasticity of the SRT ties makes them suitable for use in many applications.



SRT Series



SRT ties available in small quantities.

Material Data

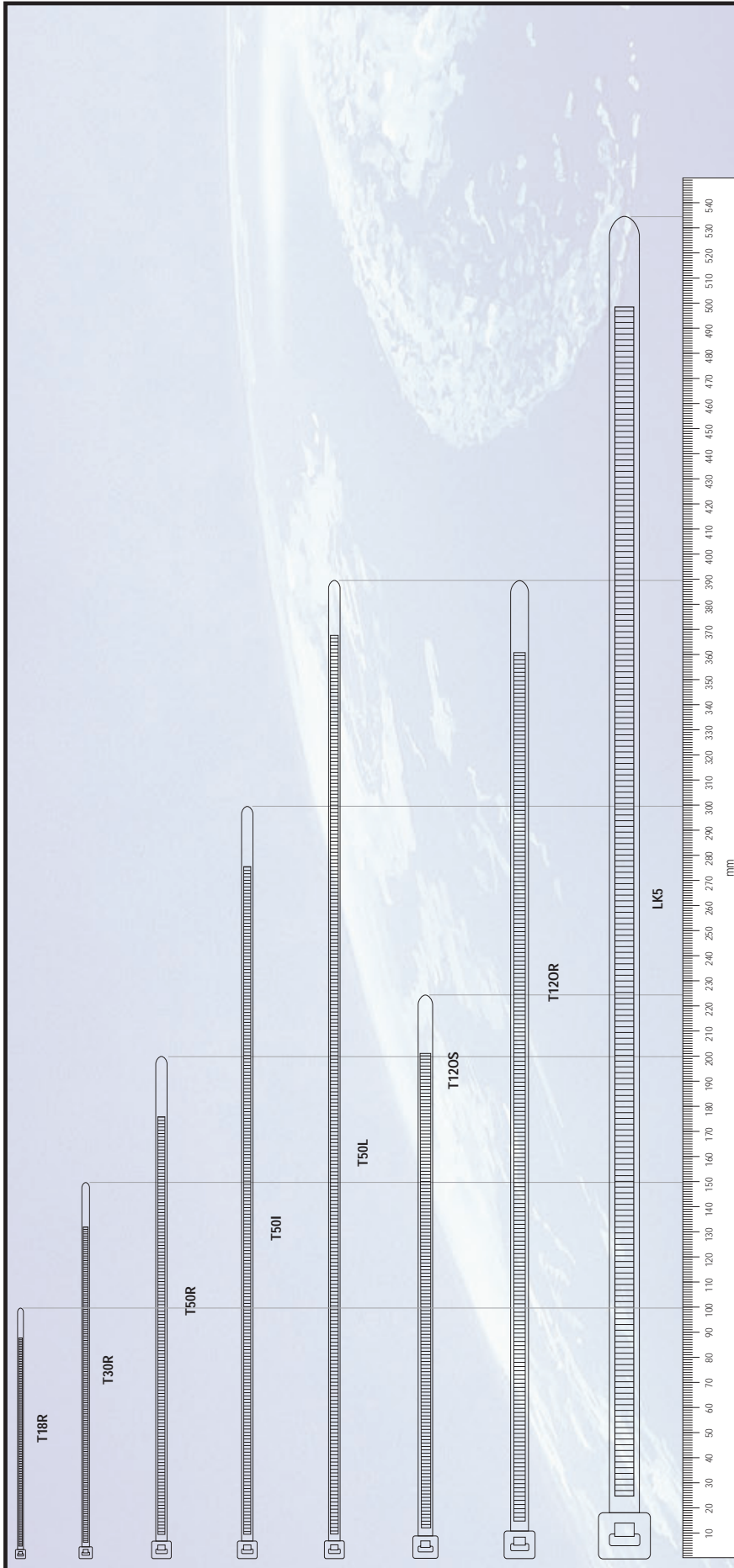
RoHS	Material	Thermoplastic Polyurethane (TPU)
	Colour	Black (BK)
	Operating Temperature	-40°C to +85°C
	Flammability	UL94 HB

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Pack Cont.
SOFTFIX® XS	180	7	45	57	16
SOFTFIX® S	260	7	79	57	12
SOFTFIX® M	260	11	55	123	8
SOFTFIX® L	340	11	90	123	6
SOFTFIX® XL	580	28	150	360	3
SOFTFIX® XXL	880	28	240	360	2

All dimensions in mm. Subject to technical changes.

Cable Tie Selector



STAINLESS STEEL CABLE TIES

HT CODE	L X W (mm)	HEAD WIDTH (mm)	MAX. CABLE BUNDLE DIA. (mm)
MLT18SS/10	230 x 5/10	13.0/28.8	60
MLT125SS/10	330 x 5/10	13.0/28.8	90
MLT165SS/10	430 x 5/10	13.0/28.8	120
MLT245SS/10	630 x 5/10	13.0/28.8	180
MAT18SS/12	230 x 7/12	8.2/12.8	60
MAT125SS/12	330 x 7/12	8.2/12.8	90
MAT165SS/12	430 x 7/12	8.2/12.8	120
MAT245SS/12	630 x 7/12	8.2/12.8	180
MBT5S	152 x 4.5		25
MBT50H	200 x 4.5/6		50
MBT145H	360 x 4.5/6		102
MBT205Z/0H	520 x 4.5/6		152
MBT175Z/0H	600 x 4.5/6		203

RELEASABLE CABLE TIES

HT CODE	L X W (mm)	AVERAGE TENSILE STRENGTH (kg)	MAX. CABLE BUNDLE DIA. (mm)	PACK CONT.
REL100	100 x 6.5	26	21	2
REL140	145 x 7.5	30	35	3
REL150	770 x 8.8	100	225	6
REL250	250 x 7.5	30	68	8
HT CODE	L X W (mm)	MIN. TENSILE STRENGTH (KG)	PACK CONT.	
SOFTXXL	880 x 28	35	2	
SOFTXL	580 x 28	35	3	
SOFTL	340 x 11	12	6	
SOFTM	260 x 11	12	8	
SOFTS	260 x 7	5	12	
SOFTXS	180 x 7	5	16	

CRADLES

CODE	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)	CABLE TIE WIDTH (mm)
TY3	20	14	4.5	UP TO 3.5
TY8	32	25	6.0	UP TO 7.5
TY3	14.5	14	2.2	
TY8	20	14	4.5	

NYLON CABLE TIES

CODE	MIN. TENSILE STRENGTH (N) NYLON	BUNDLE (mm)	LENGTH (mm)	WIDTH (mm)
T18R\$	80	22	100	2.5
T30R\$	135	35	150	3.5
T50R\$	225	50	200	4.6
T50L\$	225	85	300	4.6
T50L\$	225	110	390	4.6
T120S\$	535	55	225	7.6
T120R\$	535	105	390	7.6
LK5BK	1115	150	535	13.2

PEEK Ties Outside Serrated

Features and Benefits

PEEK Ties will withstand temperatures from -55°C up to $+260^{\circ}\text{C}$. Their chemical resistance, even against acid and gamma radiation is excellent. Furthermore PEEK Ties have high abrasion resistance. With as little as $4.5\text{mm} \leq$ strap cross-section it holds a tensile strength of 230N but needs only 6N insertion force. The design offers a good ratio weight to tensile strength. The contoured head takes up less space therefore usage in areas with space restrictions are ideal. Due to the outside serration PEEK Ties minimise any indentation or damage to cable insulation.

Application

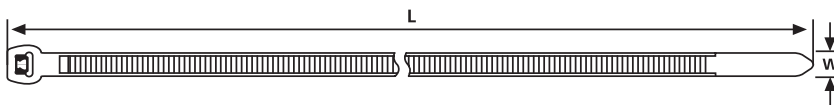
The PEEK Tie has been designed for the Ministry of Defence and Aircraft industry in co-operation with leading companies. With the properties this product claims it is ideal for high temperature applications. This performance will be well appropriate also for the drilling industry, railway, offshore or automotive industry. The PEEK Tie is an extraordinary product. It combines the mechanical performance and resistance to environmental influence of a metal tie with the ease of use of a polyamide cable tie.

Material Data

RoHS	Material	Polyetheretherketone (PA66)
	Operating Temperature	-55°C to $+260^{\circ}\text{C}$
	Flammability	UL94 V0



The head design of PEEK Ties



PEEK Ties

Technical Table

Code	Length (L)	Width (W)	Bundle Ø min.	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
PT2A	145	3.4	1.6	35.0	230	PEEK	Grey (GY)	MK7, MK7P

All dimensions in mm. Subject to technical changes.



Please Note for Product Specific Approvals please refer to the Appendix



The contoured head takes up less space, gives a low insertion force and offers high strength.



TAS Aerial Support Tie

Features and Benefits

Manufactured from halogen-free material the TAS system is suitable for installation in public areas, road or railway tunnels. The built-in spacer makes installation quick and easy, without the need for additional parts. The TAS system is easy to re-open and reuse making it ideal for temporary installations or where there is the need to add or remove cables at a later date.

Application

Designed for use with catenary wire the TAS system is simple to use and an effective method of installing cables. Typical applications are the suspension of cables between buildings, the support of satellite cables and installation of railway signalling cables.

Material Data

RoHS	Cable Tie	Polyamide 6.6 High Impact Modified (PA66HIR)
	Colour	Black (BK)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)
	Flammability	UL94 HB

Material Data

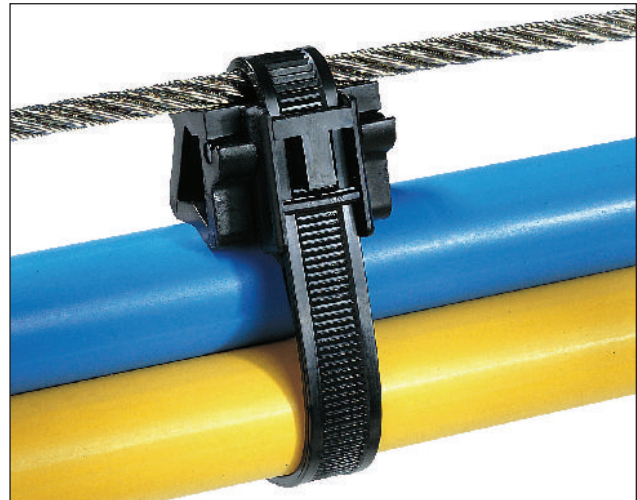
RoHS	Material Spacer	Polypropylene, UV-resistant (PP)
	Colour	Black (BK)
	Operating Temperature	-20°C to +85°C
	Flammability	UL94 HB



Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Application Tool
TAS100R	210	12.7	45	445	8, 9
TAS100M	270	12.7	70	445	8, 9
TAS100L	420	12.7	115	445	8, 9

All dimensions in mm. Subject to technical changes



The TAS-range is used for supporting antenna cables.



Tunnels are a common application.



TAS-Series

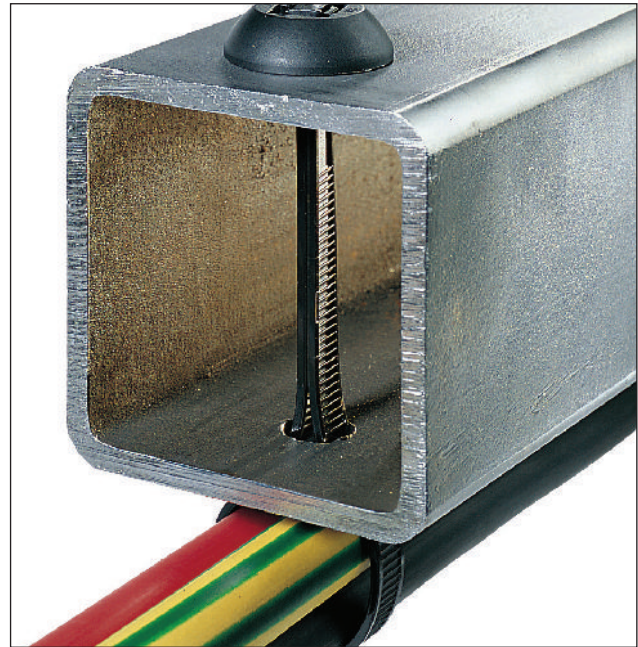
CT and BHT Series of Chassis Ties

Features and Benefits

The ties have serrations on both sides of the strap allowing for quick and easy installation, even where the access or visibility is poor. The B and DE ranges offer a rounded head for applications where a good aesthetic appearance is required. The CT, LHT & SHT ranges have a square head which allows for optimum use in areas with restricted space. Prior to final tensioning these ties can be used as 'releasable' ties for the addition of extra cables. Once the cable runs are complete the final tensioning (by use of a suitable HellermannTyton tensioning tool) locks the tie in place.

Application

Using a single hole these 'chassis ties' are widely used in the automotive, truck and heavy equipment markets. Ideal for applications which have access to both sides of the hole, e.g. truck frames.



BHT375 - used for mounting cables via a single hole.

Material Data

RoHS	Material	Polyamide 6.6 Heat Stabilised (PA66HS)
	Colour	Black (BK)
	Operating Temperature	-40°C to +105°C Continuous, (+145°C for 500 h)
	Flammability	UL94 V2

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
With centering							
BHT203	200	7.6	50	700	PA66HS	Black (BK)	6-10
BHT375	375	7.6	100	700	PA66HS	Black (BK)	6-10
Without centering							
BHT203M	200	7.6	50	700	PA66HS	Black (BK)	6-10
BHT375M	375	7.6	100	700	PA66HS	Black (BK)	6-10
CT203	200	7.6	50	700	PA66	Black (BK)	6-10
CT203	200	7.6	50	700	PA66HS	Black (BK)	6-10
CT203	200	7.6	50	700	PA66W	Black (BK)	6-10
CT375	375	7.6	100	700	PA66	Black (BK)	6-10
CT375	375	7.6	100	700	PA66HS	Black (BK)	6-10
CT375	375	7.6	100	700	PA66W	Black (BK)	6-10
LHT370	370	7.6	106	535	PA66	Black (BK)	-
DE863220	300	6	80	135	PA66HS	Black (BK)	-

All dimensions in mm. Subject to technical changes

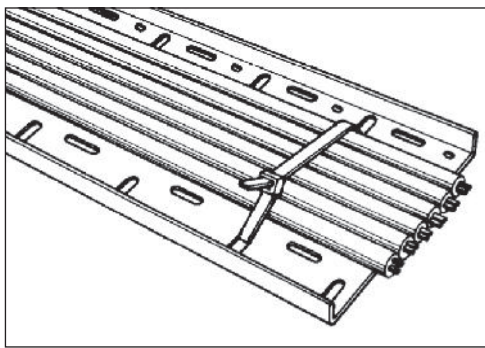
CTF Fixing Ties for Cable Tray

Features and Benefits

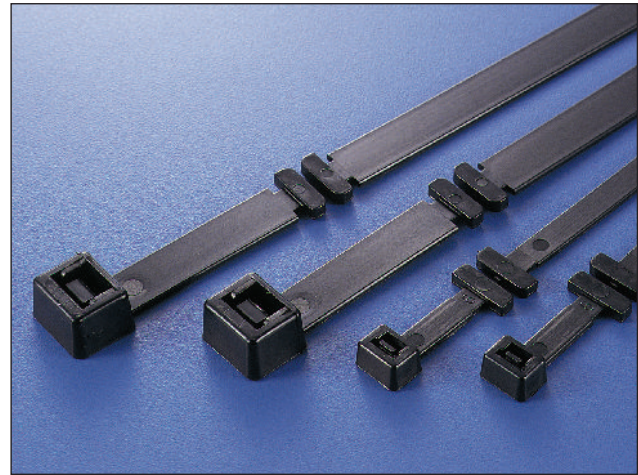
The CTF cable tie has been designed to be used exclusively with both UK and European styles of cable tray. Offering a more secure fixing that is also easier to install.

Application

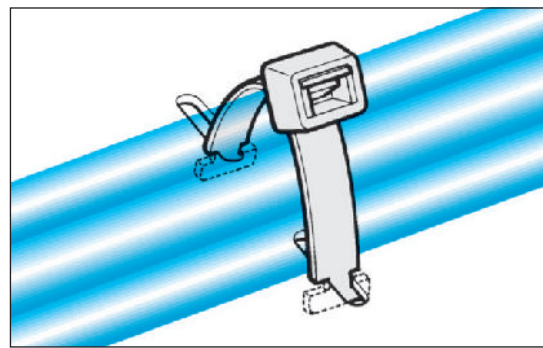
The CTF Fixing Ties are designed specifically for use with cable tray.



Cable tray ties in application.



CTF range of Cable Ties.



Cable tray ties in application.

Material Data

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

Technical Table

Code	Length (L)	Width (W)	Min. Tensile Strength (N)	Material	Colour
CTF120	320.0	7.6	535	PA66	Black (BK)
CTF120	320.0	7.6	535	PA66	Natural (NT)
CTF12090*	320.0	7.6	535	PA66	Black (BK)
CTF12090*	320.0	7.6	535	PA66	Natural (NT)
CTF250	355.0	13.0	1115	PA66	Black (BK)
CTF250	355.0	13.0	1115	PA66	Natural (NT)

All dimensions in mm. Subject to technical changes

SpeedyTie®

Features and Benefits

The SpeedyTie® can be used many times because of its removable, patented trigger. Also this is a heavy duty releasable tie that can bear loads of up to 888N (200lbs). With a length of 750 mm it suits a wide variety of applications and is easy to handle even when wearing work gloves. Any excess tail can be easily 'tucked away' in a second slot on the head. These ties are available in 'high visibility' yellow and in weatherproof black.

Application

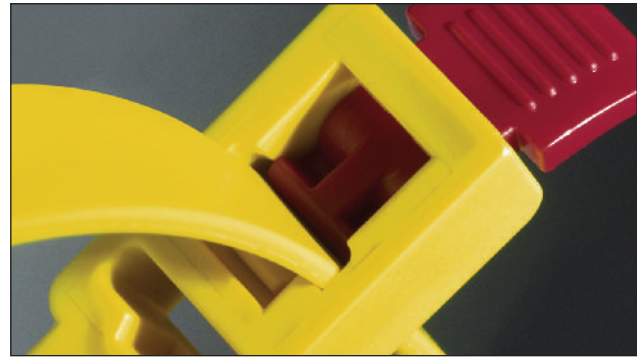
The versatility of the SpeedyTie® means that it is suitable for a multitude of applications. Originally developed for the 'offshore' industries, other uses include construction, electrical installations, scaffolding sheet installations, exhibitions, trade fairs, and many more.

Material Data

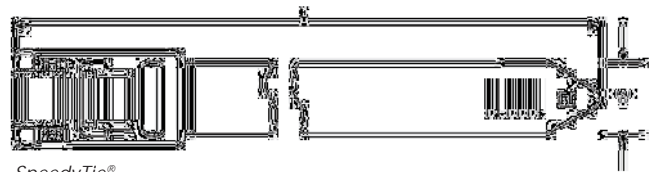
RoHS	Material	Polyamide 6.6 (PA66)	HF (halogenfree)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)	
	Flammability	UL94 V2	

Material Data

RoHS	Material	Polyamide 6.6 High Impact Modified scan black (PA66HIR(S))	HF (halogenfree)
	Colour	Black (BK)	
	Operating Temperature	-40°C to +80°C Continuous, (+105°C for 500 h)	
	Flammability	UL94 HB	



Patented quick release mechanism for quick and easy application.



SpeedyTie®



SpeedyTie® - Quick and easy.



Excess tails can be neatly tucked away.



SpeedyTie® is particularly suited for temporary but safe bundling or fixing.

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Colour	Material	Pack Cont.
RTT750HR	750	13	210	888	Yellow (YL), Red (RD)	PA66	25
RTT750HR	750	13	210	888	Yellow (YL), Red (RD)	PA66	5
RTT750HR	750	13	210	888	Black (BK), Black (BK)	PA66HIR(S)	5

All dimensions in mm. Subject to technical changes

Metal Content Tie MCT50L

HACCP (Hazard Analysis of Critical Control Points) is a directive of the EU, developed by the Codex Alimentarius of the World Health Organisation. This demands that effective food safety systems are established through the application of systematic approaches to hazard and risk analysis.

Features and Benefits

The MCT50L ties have metal content dispersed throughout the head and strap of the cable tie. These ties can be used as part of the HACCP process. The 'unique' blue colour assists in the visual detection and greatly reduces the risk of contamination.

Application

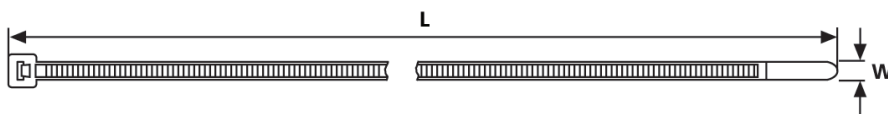
The Metal Content Tie is a cable tie specifically designed for use in the food & pharmaceutical processing industries. A unique manufacturing process, involving the inclusion of a metallic pigment, enables even small 'cut-off' sections of the tie to be detected by standard metal detecting equipment. Ideally suited for the installation of cabling in and around the manufacturing process.



The MCT50L with metal content.



A safe and contamination free production process with MCT50L.



MCT50L

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Application Tool
MCT50L	390	4.6	110	225	1-10

* HACCP = Hazard Analysis Critical Control Points
HACCP stands for Hazard Analysis Critical Control Points. It is a method of identifying and eliminating potential hazards in food production. Those hazards that cannot be eliminated are controlled in such a way that the consumer is protected. These controls are known as Critical Control Points (CCPs). They are CRITICAL because if they fail or are not carried out, the risk of the product harming the customer, increases.

Material Data

RoHS	Material	Polyamide 6.6 with 10% metal particles (PA66MP10%)
	Colour	Blue (BL)
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)
		HF (halogenfree)

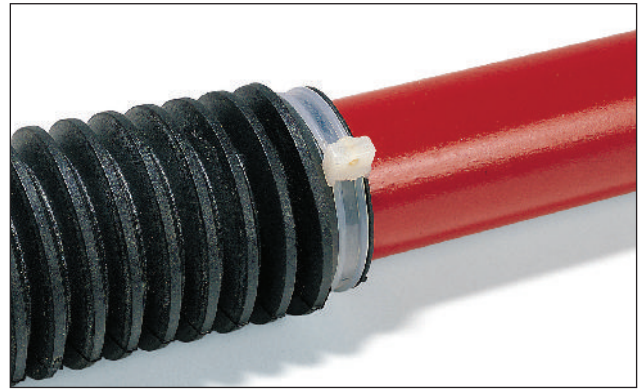
KR Series Cable and Hose Fixing System

Features and Benefits

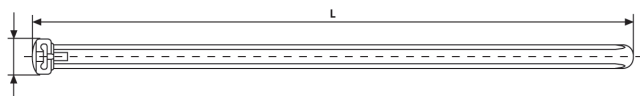
The special curved design of the head ensures a seal around the full circumference of the hose/pipe. The patented design offers a smooth strap which is locked into place with a glass fibre reinforced pin, and when assembled the tie offers a very secure and vibration resistant fixing. Available as both fixed length ties or in a continuous roll (50 metres).

Application

In addition to offering a secure method of bundling cables the design of the KR ties make them ideal for use as a method of securing bellows on steering racks, water hoses and vacuum lines.



The KR8/33 has been repeatedly proven in High Vibration applications.



Cable ties KR-Series

Material Data

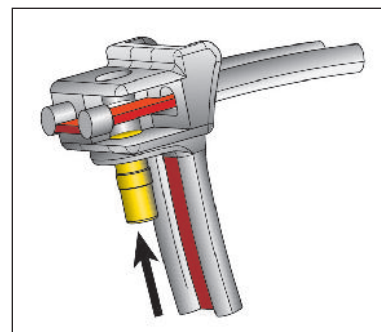
RoHS	Material	Polyamide 6.6 (PA66)	HF (halogenfree)
	Colour	Natural (NT), Black (BK)	
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)	
	Flammability	UL94 V2	

Material Data

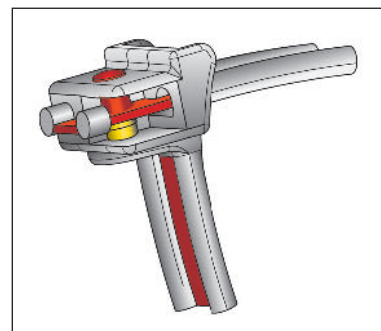
RoHS	Material	Polyamide 6.6 Heat Stabilised (PA66HS)	HF (halogenfree)
	Colour	Natural (NT), Black (BK)	
	Operating Temperature	-40°C to +105°C Continuous, (+145°C for 500 h)	
	Flammability	UL94 V2	

Material Data

RoHS	Material	Polyamide 6.6 UV Resistant (PA66W)	HF (halogenfree)
	Colour	Black (BK)	
	Operating Temperature	-40°C to +85°C Continuous, (+105°C for 500 h)	
	Flammability	UL94 V2	



The unlocked head of a KR-tie.



The cable tie (red) is locked into place with the pin.

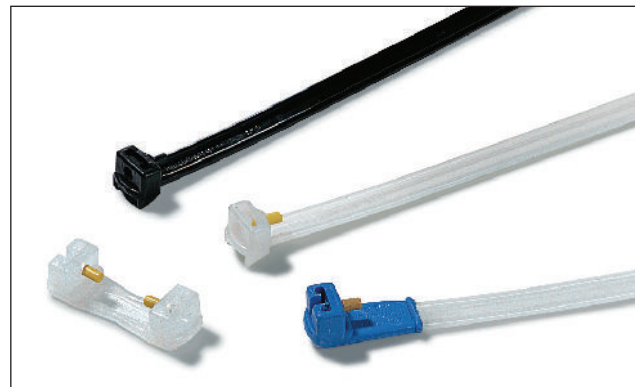
Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
KR6/18	183	6	39	490	PA66	Natural (NT)	KR6/8
KR6/18	183	6	39	490	PA66W	Black (BK)	KR6/8
KR6/35	356	6	93	490	PA66	Natural (NT)	KR6/8
KR6/35	356	6	93	490	PA66	Black (BK)	KR6/8

All dimensions in mm. Subject to technical changes.

Material Data

RoHS	Material	Polyamide 4.6 (PA46)
	Colour	Grey (GY)
	Operating Temperature	-40°C to +150°C for 5000 h, (+195°C for 500 h)
	Flammability	UL94 V2
		HF (halogenfree)



Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
KR8/43	426	8	105	785	PA66HS	Natural (NT)	KR6/8, KR8PNSE
KR8/21	210	8	47	785	PA66	Natural (NT)	KR6/8, KR8PNSE
KR8/33	337	8	86	785	PA66W	Black (BK)	KR6/8, KR8PNSE
KR8/33	337	8	86	785	PA46	Grey (GY)	KR6/8, KR8PNSE

All dimensions in mm. Subject to technical changes.

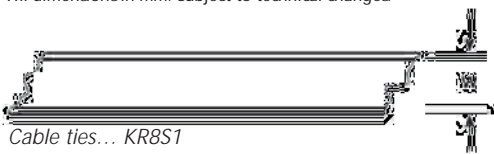


Please Note for Product Specific Approvals please refer to Appendix.

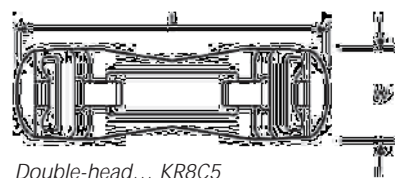
Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
KRB ultrasonic welded							
KR8/50	500	8	152	785	PA66	Natural (NT)	KR6/8, KR8PNSE
KR8/60	600	8	184	785	PA66W	Black (BK)	KR6/8, KR8PNSE
KR8/70	700	8	216	785	PA66W	Black (BK)	KR6/8, KR8PNSE
KR8/80	800	8	248	785	PA66W	Black (BK)	KR6/8, KR8PNSE
KR8/100	1000	8	300	785	PA66W	Black (BK)	KR6/8, KR8PNSE
KR8/110	1100	8	344	785	PA66W	Black (BK)	KR6/8, KR8PNSE
KR8/120	1200	8	375	785	PA66	Natural (NT)	KR6/8, KR8PNSE
KR8/150	1500	8	471	785	PA66	Natural (NT)	KR6/8, KR8PNSE

All dimensions in mm. Subject to technical changes.



Cable ties... KR8S1



Double-head... KR8C5

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
KR8C5							
KR8/C5	–	–	–	–	PA66	Black (BK)	KR6/8
KR8S1							
KR8/S1	50 m	8	–	785	PA66	Black (BK)	KR6/8

All dimensions in mm. Subject to technical changes.

EL-TY Continuous Cable Tie

Features and Benefits

Manufactured from very strong Acetal (POM) the system consists of a continuous strap, spacers, and heads (which have stainless steel pawls). Once applied the tie offers a very secure fixing and offers good resistance to ageing and sunlight.

The flexibility of the system allows for minimal stock holding of components as the system can be used to suit any bundle diameter.

Application

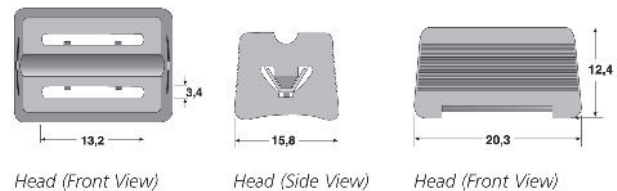
These robust cable ties are particularly suitable for use with larger diameter cables, pipes and hoses. Designed originally for securing overhead, catenary, cables (when used with the spacers) they are now used in many industries from the building sector, through the chemical industry to the installation of signs for traffic management.

Material Data

RoHS	Material Head	Polyacetal (POM) with stainless steel pawl UV-resistant
	Cable Tie	Polyacetal (POM), UV-weather resistant
	Material Spacer	Polypropylene, UV-resistant (PP)
	Colour	Black (BK)
	Operating Temperature	-40°C to +85°C
	Flammability	UL94 HB



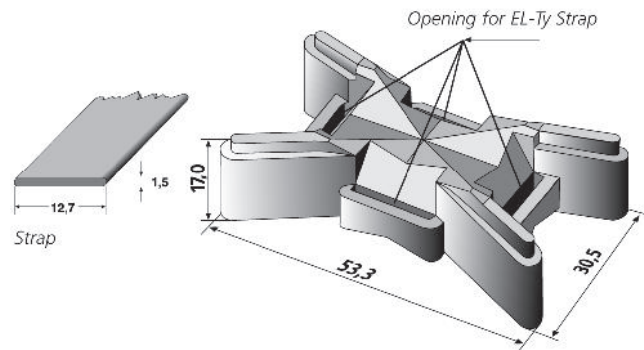
The EL-Ty can be cut to suit any bundle.



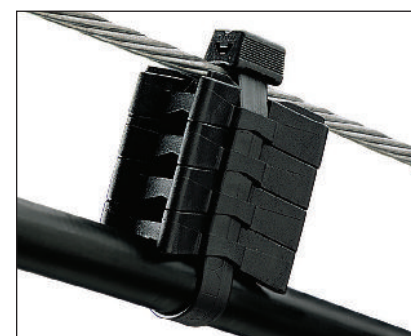
Head (Front View)

Head (Side View)

Head (Front View)



Strap



Spacer.

Technical Table

Code	Min. Tensile Strength (N)	Pack Cont.	Material	Colour	Application Tool
TELS1	1111	15m strap, 30 heads	POM	Black (BK)	MK9HT
TELSH	1111	25	POM	Black (BK)	MK9HT
TELS-SPK2	-	50	PP	Black (BK)	-

All dimensions in mm. Subject to technical changes.

TPT Packaging Tie

Features and Benefits

The TPT tie has a patented design of 'clamping teeth' ensuring that the tie cannot be slid off the top of the bag, this ensures that the contents of the bag cannot be tampered with.

A special design of the head of the tie means that the 'tail' can be tucked away giving the facility for a destination label or other identification to be attached.

Application

The TPT tie gives a simple and quick method of both closing and securing bags and sacks, typical applications include bags of powdered milk, chemicals and mail.

Material Data

RoHS	Material	Polyamide (PA66)	LFH (Limited Fire Hazard)
	Operating Temperature	-40°C to +85°C Continuous, (+105 °C for 500 h)	
	Flammability	UL94 V2	

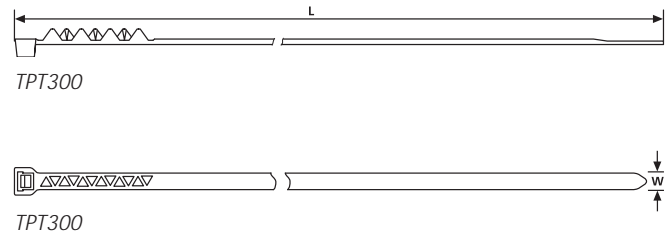
Technical Table

Code	Length (L)	Width (W)	Min. Tensile Strength (N)	Colour
TPT300	300	4.7	225	Black (BK)
TPT300T	302	4.7	225	Black (BK)
TPT300	300	4.7	225	Brown (BN)
TPT300	300	4.7	225	Yellow (YL)

All dimensions in mm. Subject to technical changes.



The packaging ties TPT300T and TPT300 in application, shown with HellermannTyton identification markers.



Hook and Loop 'One Wrap' Ties

Features and Benefits

Quick and simple to use, these ties do not require tools for installation. Producing no 'cut-off' waste, they are corrosion free, resistant to ageing and are releasable and re-usable for up to 400 times.

Application

Cables are being manufactured with softer and thinner cable insulations and require a 'soft' method of bundling. The GT ties are ideal for use on telephone cables, data cables and fibre-optic cables. Also ideal for use in temporary installations such as theatre stage construction and cable harnesses.

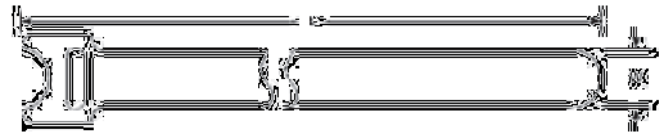
Material Data

RoHS	Material Loop	Polyamide (PA)
	Material Hook	Polyethylene (PE)
	Operating Temperature	-20°C to +75°C

HF
(halogenfree)



Due to the wide variety of colours available 'One Wrap' ties make cable identification simple.



One Wrap'-Series

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Material Loop	Material Hook	Colour
GTRS	5000	12	–	PA	PE	Black (BK)
GT150S	150	12	50	PA	PE	Black (BK)
GT200S	200	12	75	PA	PE	Blue (BL)
GT300H	300	12	100	PA	PE	Black (BK)

All dimensions in mm. Subject to technical changes

Special lengths, diameters, colours and printing available on request.

LFPC Protective Channel

Features and Benefits

Manufactured from Polyolefin the LFPC channel is a Halogen free material which is flame retardant. Covering the underside and edges of the MBT ties to give full protection to the cable bundle.

Application

When used in conjunction with the MBT range of stainless steel cable ties this channel gives the cable protection against chafing, vibration and shock. Ideal for use in arduous conditions such as those found on board ships, oil rigs or in nuclear power stations.

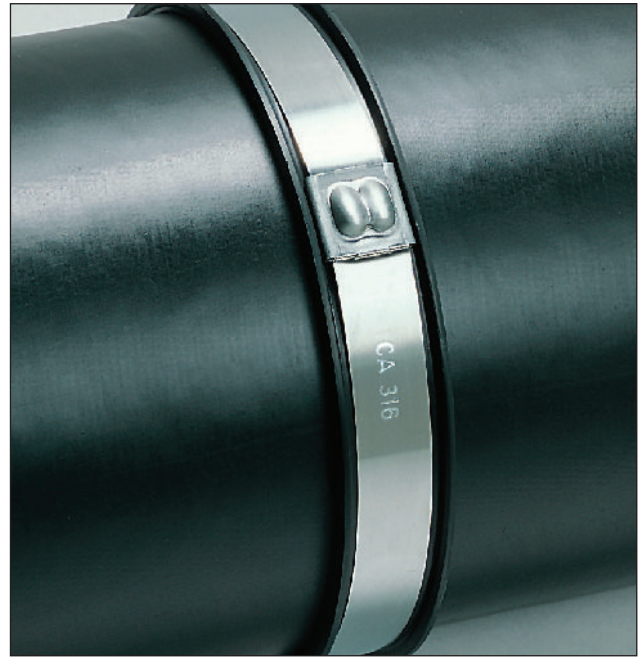
Technical Table

Code	Length (L)	Width (W)
LFPC70	MBTS	7.0
LFPC103	MBTH	10.3
LFPC150	MBTXH	15.0
LFPC83	–	8.3
LFPC129	–	12.9
LFPC132	–	13.2

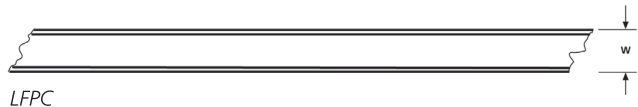
The fire protection properties of the material relate to the test performed on defined test samples. This is a test under laboratory conditions and not directly transferable to the product made from this material.



Please Note for Product Specific Approvals please refer to the Appendix.



Cable tie MBTXH with LFPC Protective Channel.



LFPC

All dimensions in mm. Subject to technical changes.

Material Data

RoHS	Material	Polyolefin Compound unlinked (PO)
	Colour	Black (BK)
	Operating Temperature	-40°C to +90°C
	Flammability	Limited Fire Hazard, Low generation of toxic gases and corrosive acid, Low smoke generation
	Specification	London Underground RSE STD 013, DEF STAN 61-12 (Part 31)



Properties of 304/316 steel (similar to V2A/V4A steel)

Stainless Steel Cable Ties, M Series

Material	Chem. Material Properties	Mech. material properties	Operating Temperature	Colour
Stainless Steel Type SS304	Outstanding chemical resistance Corrosion resistant Weather resistant Antimagnetic Resistant to a large number of aggressive chemicals	Tensile strength (N/mm ²): 530 – 680 max. degree of hardness (VPN) 190	-80°C to +538°C	Metal
Stainless Steel Type SS316	Outstanding chemical resistance Corrosion resistant Weather resistant Antimagnetic Also resistant to aggressive chemicals, e.g. industrial vapours, seawater, salt spray in onshore and offshore areas, inorganic acids, hydrochloric acid and halogen salts	Tensile strength (N/mm ²): 540 – 750 max. degree of hardness (VPN) 205	-80°C to +538°C	Metal

VPN = unit of measurement for degree of hardness according to Vickers

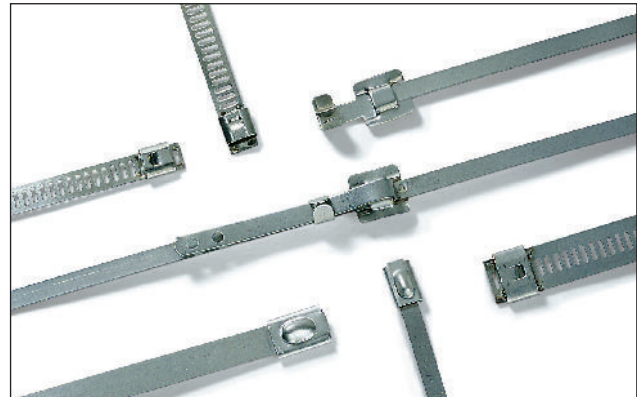
MBT Range of Stainless Steel Cable Ties

Features and Benefits

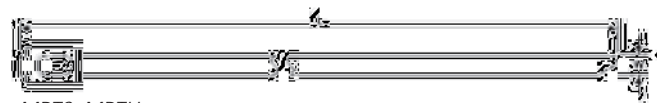
The MBT (Metal Ball-bearing Ties) have a non-releasable locking mechanism that offers infinite adjustment along the length of the tie. These ties are available in both 316 and 304 grades of stainless steel.

Application

The M range of stainless steel cable ties can be used in the most hazardous of conditions or where the additional security, strength and fire resistance of a metal fixing is required. Used in all industries from mass transit, ship building, oil rigs, mining, chemical to theatres and exhibition halls. In the event of a fire, cables will remain securely held in place and will not fall to block emergency exits.



Stainless Steel Cable Ties can be used at temperatures up to 538°C.



MBTS, MBTH

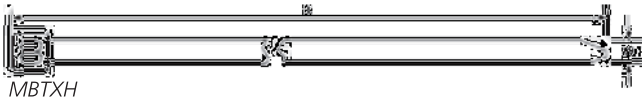
Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
Material Type SS304						
MBT5SS	127	4.6	25	670	SS304	MK9SST / HT338
MBT8SS	201	4.6	50	670	SS304	MK9SST / HT338
MBT14SS	362	4.6	102	670	SS304	MK9SST / HT338
MBT20SS	521	4.6	152	670	SS304	MK9SST / HT338
MBT27SS	681	4.6	203	670	SS304	MK9SST / HT338
MBT8HS	201	7.9	50	1115	SS304	MK9SST / HT338
MBT14HS	362	7.9	102	1115	SS304	MK9SST / HT338
MBT20HS	521	7.9	152	1115	SS304	MK9SST / HT338
MBT27HS	681	7.9	203	1115	SS304	MK9SST / HT338
MBT33HS	838	7.9	254	1115	SS304	MK9SST / HT338
MBT14XHS	362	12.3	107	2225	SS304	MK9SST / HT338
MBT20XHS	362	12.3	107	2225	SS304	MK9SST / HT338
MBT27XHS	681	12.3	203	2225	SS304	MK9SST / HT338
MBT33XHS	838	12.3	254	2225	SS304	MK9SST / HT338
Material Type SS316						
MBT5S	127	4.6	25	670	SS316	MK9SST / HT338
MBT8S	201	4.6	50	670	SS316	MK9SST / HT338
MBT14S	362	4.6	102	670	SS316	MK9SST / HT338
MBT20S	521	4.6	152	670	SS316	MK9SST / HT338
MBT27S	681	4.6	203	670	SS316	MK9SST / HT338
MBT33S	838	4.6	254	670	SS316	MK9SST / HT338
MBT8H	201	7.9	50.8	1115	SS316	MK9SST / HT338
MBT14H	362	7.9	102	1115	SS316	MK9SST / HT338
MBT20H	521	7.9	152	1115	SS316	MK9SST / HT338
MBT27H	681	7.9	203	1115	SS316	MK9SST / HT338
MBT33H	838	7.9	254	1115	SS316	MK9SST / HT338
MBT14XH	362	12.3	102	2225	SS316	MK9SST / HT338
MBT20XH	521	12.3	152	2225	SS316	MK9SST / HT338
MBT27XH	681	12.3	203	2225	SS316	MK9SST / HT338
MBT33XH	838	12.3	254	2225	SS316	MK9SST / HT338

All dimensions in mm. Subject to technical changes



Please Note for Product Specific Approvals please refer to Appendix.



Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
MBT coated on one side						
MBT5SC	127	4.6	25	670	SS316, SP	MK9SST / HT338
MBT8SC	201	4.6	50	670	SS316, SP	MK9SST / HT338
MBT14SC	362	4.6	102	670	SS316, SP	MK9SST / HT338
MBT20SC	521	4.6	152	670	SS316, SP	MK9SST / HT338
MBT27SC	681	4.6	203	670	SS316, SP	MK9SST / HT338
MBT33SC	838	4.6	254	670	SS316, SP	MK9SST / HT338
MBT8HC	201	7.9	50	1115	SS316, SP	MK9SST / HT338
MBT14HC	362	7.9	102	1115	SS316, SP	MK9SST / HT338
MBT20HC	521	7.9	152	1115	SS316, SP	MK9SST / HT338
MBT27HC	681	7.9	203	1115	SS316, SP	MK9SST / HT338
MBT33HC	838	7.9	254	1115	SS316, SP	MK9SST / HT338
MBT14XHC	362	12.3	107	2225	SS316, SP	MK9SST / HT338
MBT20XHC	521	12.3	150	2225	SS316, SP	MK9SST / HT338
MBT27XHC	681	12.3	203	2225	SS316, SP	MK9SST / HT338
MBT33XHC	838	12.3	254	2225	SS316, SP	MK9SST / HT338
MBT Fully Coated						
MBT5SFC	127	4.6	25	670	SS316, SP	MK9SST / HT338
MBT8SFC	201	4.6	50	670	SS316, SP	MK9SST / HT338
MBT14SFC	362	4.6	102	670	SS316, SP	MK9SST / HT338
MBT20SFC	521	4.6	152	670	SS316, SP	MK9SST / HT338
MBT27SFC	681	4.6	203	670	SS316, SP	MK9SST / HT338
MBT33SFC	838	4.6	254	670	SS316, SP	MK9SST / HT338
MBT8HFC	201	7.9	50	1115	SS316, SP	MK9SST / HT338
MBT14HFC	362	7.9	102	1115	SS316, SP	MK9SST / HT338
MBT20HFC	521	7.9	152	1115	SS316, SP	MK9SST / HT338
MBT27HFC	681	7.9	203	1115	SS316, SP	MK9SST / HT338
MBT33HFC	838	7.9	254	1115	SS316, SP	MK9SST / HT338
MBT14XHFC	362	12.3	107	2225	SS316, SP	MK9SST / HT338
MBT20XHFC	521	12.3	150	2225	SS316, SP	MK9SST / HT338
MBT27XHFC	681	12.3	203	2225	SS316, SP	MK9SST / HT338
MBT33XHFC	838	12.3	254	2225	SS316, SP	MK9SST / HT338

All dimensions in mm. Subject to technical changes.

MBT coated with Polyamide11 (N11) and MAT coated with Polyester (SP) are available on request.

MAT and MLT Range of Stainless Steel Cable Ties

Features and Benefits

The MAT range of stainless steel cable ties can be used in the most arduous of conditions or where the additional security, strength and fire resistance of a metal fixing is required. Type MAT cable ties are cable ties which can be put on in stages (locking in the strip). The MLT series can be tightened smoothly and are locked by folding over the strip and the bar in the head area. This produces a solid and permanent bundling.

MBT coated with Polyamide11 (N11) and MAT coated with Polyester (SP) are available on request.

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Material	Application Tool
MBT coated on one side					
MLT8SS5	230	5	60	SS316	MTT4, MTT6
MLT12SS5	330	5	90	SS316	MTT4, MTT6
MLT16SS5	430	5	120	SS316	MTT4, MTT6
MLT24SS5	630	5	180	SS316	MTT4, MTT6
MLT8SS10	230	10	60	SS316	MTT4, MTT6
MLT12SS10	330	10	90	SS316	MTT4, MTT6
MLT16SS10	430	10	120	SS316	MTT4, MTT6
MLT24SS10	630	10	180	SS316	MTT4, MTT6
MBT Fully Coated					
MLT8SSC5	230	5.26	60	SS316, SP	MTT4, MTT6
MLT12SSC5	330	5.26	90	SS316, SP	MTT4, MTT6
MLT16SSC5	430	5.26	120	SS316, SP	MTT4, MTT6
MLT24SSC5	630	5.26	180	SS316, SP	MTT4, MTT6
MLT12SSC10	330	10.26	90	SS316, SP	MTT4, MTT6
MLT16SSC10	430	10.26	120	SS316, SP	MTT4, MTT6
MLT24SSC10	630	10.26	180	SS316, SP	MTT4, MTT6

All dimensions in mm. Subject to technical changes.

Technical Table

Code	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
MAT						
MAT8SS7	230	7.0	60	445	SS316	100
MAT12SS7	330	7.0	90	445	SS316	100
MAT16SS7	430	7.0	120	445	SS316	100
MAT24SS7	630	7.0	180	445	SS316	100
MAT8SS12	230	12.0	60	445	SS316	100
MAT12SS12	330	12.0	90	445	SS316	100
MAT16SS12	430	12.0	120	445	SS316	100
MAT24SS12	630	11.7	180	670	SS316	100

All dimensions in mm. Subject to technical changes.



Please Note for Product Specific Approvals please refer to Appendix.