PEEK Ties Outside Serrated

Features and Benefits

PEEK Ties will withstand temperatures from -55° C up to +260° C. Their chemical resistance, even against acid and gamma radiation is excellent. Furthermore PEEK Ties have high abrasion resistance. With as little as 4.5mm² 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 are minimising 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.

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

Material specification see page 26.

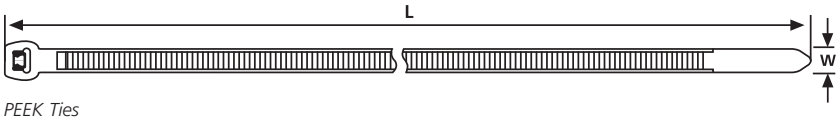
The head design of PEEK Ties

Material Data

Material	**Polyetheretherketone (PEEK)**
Operating Temperature	**-55 °C to +260 °C**
Flammability	**UL94 V0**

LFH Limited Fire Hazard

RoHS



PEEK Ties

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø min.	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
118-00032	**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

SpeedyTie®

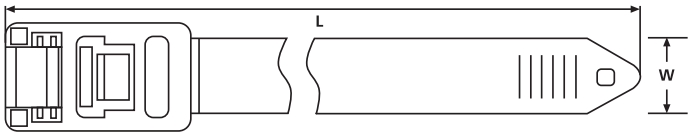
Features and Benefits

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.

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.

Material Data

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

Material Data

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

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Colour	Material	Pack Cont.
115-00000	**RTT750HR**	750	13.0	210	888	Yellow (YE), Red (RD)*	PA66	25
115-00001	**RTT750HR**	750	13.0	210	888	Yellow (YE), Red (RD)*	PA66	5
115-00030	**RTT750HR**	750	13.0	210	888	Black (BK), Black (BK)*	PA66HIR(S)	5

All dimensions in mm. Subject to technical changes.

* Fastener

Metal Content Tie MCT

HACCP (Hazard Analysis of Critical Control Points) is a directive of the EU, developed by the Codex Alimentarious 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 MCT 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 installaton of cabling in and around the manufacturing process.

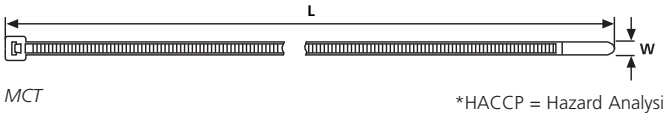
The MCT with metal content.

A safe and contamination free production process with MCT.

Material Data

Material	**Polyamide 6.6 with metal particles**
Colour	**Blue (BU)**
Operating Temperature	**-40 °C to +85 °C Continuous, (+105 °C for 500 h)**
Flammability	**UL94 HB**

HF halogenfree



MCT

*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 CRTICAL because if they fail or are not carried out, the risk of the product harming the customer, increases.

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Application Tool
111-00829	**MCT30R**	150	3.5	35.0	135	1–10
111-00830	**MCT50R**	200	4.6	50.0	225	1–10
111-00831	**MCT50L**	390	4.6	110	225	1–10

All dimensions in mm. Subject to technical changes.

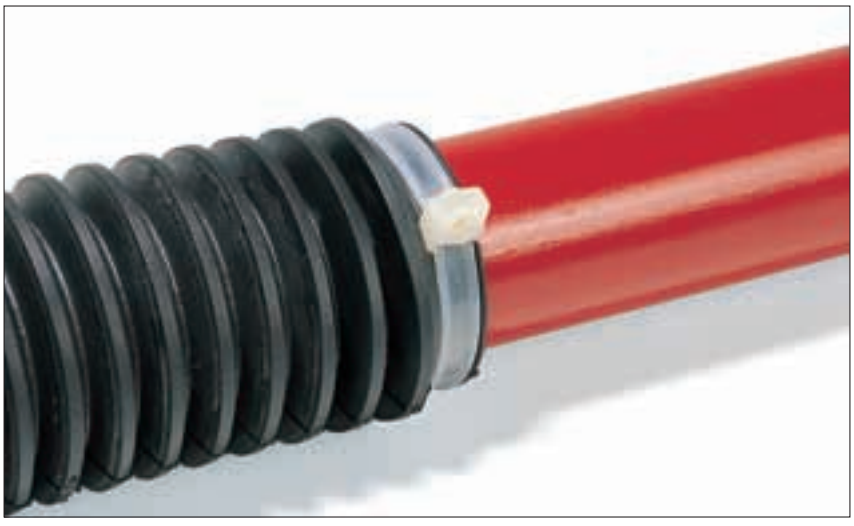
KR Series Cable and Hose Fixing System

Features and Benefits

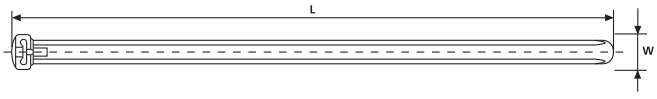
The special curved design of the head ensures a seal around the full circumference of the hose / pipe. The patented design offers a smooth strap which is locked into place with a glass fibre reinforced pin, and when assembled the tie offers a very secure and vibration resistant fixing. Available as both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

Application

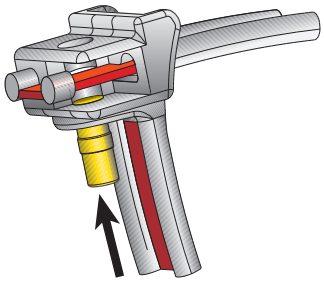
In addition to offering a secure method of bundling cables the design of the KR ties make them ideal for use as a method of securing bellows on steering racks, water hoses and vacuum lines.



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

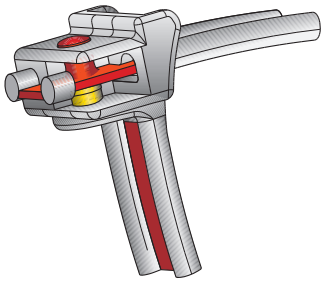


Cable ties KR-Series



The unlocked head of a KR-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**



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

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

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

KR Series is available in different sizes.

For detailed information on Application Tools please refer to page 416

Material Data

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**

LFH Limited Fire Hazard RoHS

Material Data

Material	**Polyamide 12 (PA12)**
Colour	**Black (BK)**
Operating Temperature	**-40 °C to +85 °C Continuous, (+105 °C for 500 h)**
Flammability	**UL94 HB**

HF halogenfree RoHS

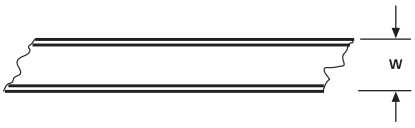
Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
KR6								
121-63519	**KR6/35**	356	6.0	93.0	490	PA66	Natural (NA)	KR6/8
121-63570	**KR6/35**	356	6.0	93.0	490	PA66	Black (BK)	KR6/8
121-63555	**KR6/35**	356	6.0	93.0	490	PA66HS	Natural (NA)	KR6/8
121-63560	**KR6/35**	356	6.0	93.0	490	PA66W	Black (BK)	KR6/8
KR8 one piece								
121-82119	**KR8/21**	210	8.0	47.0	785	PA66	Natural (NA)	KR6/8, KR8PNSE
121-82170	**KR8/21**	210	8.0	47.0	785	PA66	Black (BK)	KR6/8, KR8PNSE
121-82155	**KR8/21**	210	8.0	47.0	785	PA66HS	Natural (NA)	KR6/8, KR8PNSE
121-82160	**KR8/21**	210	8.0	47.0	785	PA66W	Black (BK)	KR6/8, KR8PNSE
121-83319	**KR8/33**	337	8.0	86.0	785	PA66	Natural (NA)	KR6/8, KR8PNSE
121-83370	**KR8/33**	337	8.0	86.0	785	PA66	Black (BK)	KR6/8, KR8PNSE
121-83355	**KR8/33**	337	8.0	86.0	785	PA66HS	Natural (NA)	KR6/8, KR8PNSE
121-83461	**KR8/33-STOP198**	337	8.0	86.0	785	PA66HS	Natural (NA)	KR6/8, KR8PNSE
121-83360	**KR8/33**	337	8.0	86.0	785	PA66W	Black (BK)	KR6/8, KR8PNSE
121-83380	**KR8/33**	337	8.0	86.0	390	PA12	Black (BK)	KR6/8, KR8PNSE
121-83378	**KR8/33**	337	8.0	86.0	785	PA46	Grey (GY)	KR6/8, KR8PNSE
121-74359	**KR8/43**	426	8.0	105	785	PA66HS	Natural (NA)	KR6/8, KR8PNSE
121-74360	**KR8/43**	426	8.0	105	785	PA66HS	Black (BK)	KR6/8, KR8PNSE

All dimensions in mm. Subject to technical changes.

Please Note for Product Specific Approvals please refer to the Appendix

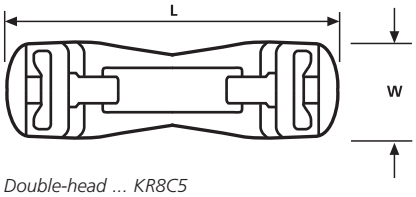
Special Purpose Ties



Cable ties ... KR8S1

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**



Double-head ... KR8C5

Material Data

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

Material Data

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

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
KR8 ultrasonic welded								
121-05019	**KR8/50**	500	8.0	152	785	PA66	Natural (NA)	KR6/8, KR8PNSE
121-05051	**KR8/50**	500	8.0	152	720	PA66HS	Natural (NA)	KR6/8, KR8PNSE
121-05060	**KR8/50**	500	8.0	152	785	PA66W	Black (BK)	KR6/8, KR8PNSE
121-06019	**KR8/60**	600	8.0	184	785	PA66	Natural (NA)	KR6/8, KR8PNSE
121-06060	**KR8/60**	600	8.0	184	785	PA66W	Black (BK)	KR6/8, KR8PNSE
121-07019	**KR8/70**	700	8.0	216	785	PA66	Natural (NA)	KR6/8, KR8PNSE
121-07060	**KR8/70**	700	8.0	216	785	PA66W	Black (BK)	KR6/8, KR8PNSE
121-08019	**KR8/80**	800	8.0	248	785	PA66	Natural (NA)	KR6/8, KR8PNSE
121-08060	**KR8/80**	800	8.0	248	785	PA66W	Black (BK)	KR6/8, KR8PNSE
121-10019	**KR8/100**	1000	8.0	300	785	PA66	Natural (NA)	KR6/8, KR8PNSE
121-10060	**KR8/100**	1000	8.0	300	785	PA66W	Black (BK)	KR6/8, KR8PNSE
121-11051	**KR8/110**	1100	8.0	344	720	PA66HS	Natural (NA)	KR6/8, KR8PNSE
121-11060	**KR8/110**	1100	8.0	344	785	PA66W	Black (BK)	KR6/8, KR8PNSE
121-12019	**KR8/120**	1200	8.0	375	785	PA66	Natural (NA)	KR6/8, KR8PNSE
121-15019	**KR8/150**	1500	8.0	471	785	PA66	Natural (NA)	KR6/8, KR8PNSE
KR8C5								
121-58519	**KR8/C5**	38.0	11.7	–	–	PA66	Natural (NA)	KR6/8
121-58560	**KR8/C5**	38.0	11.7	–	–	PA66W	Black (BK)	KR6/8
121-58551	**KR8/C5**	38.0	11.7	–	–	PA66HS	Natural (NA)	KR6/8
KR8S1								
121-98119	**KR8/S1**	50	8.0	–	785	PA66	Natural (NA)	KR6/8
121-98160	**KR8/S1**	50	8.0	–	785	PA66W	Black (BK)	KR6/8
121-98151	**KR8/S1**	50	8.0	–	720	PA66HS	Natural (NA)	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.

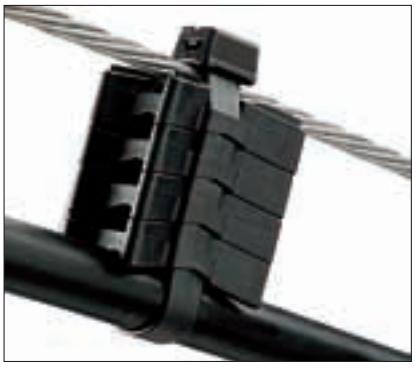
The flexibility of the system allows for minimal stock holding of components as the system can be used to suit any bundle diameter.

Application

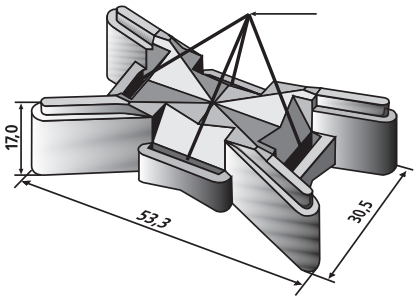
These robust cable ties are particularly suitable for use with larger diameter cables, pipes and hoses. Designed originally for securing overhead, catenary, cables (when used with the spacers) they are now used in many industries from the building sector, through the chemical industry to the installation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

For detailed information on Application Tools please refer to page 412.

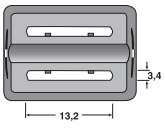
The EL-Ty can be cut to suit any bundle.



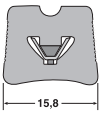
Spacer.



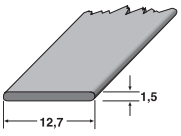
Opening for EL-Ty Strap



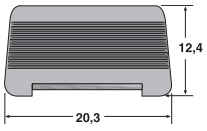
Head (Front View)



Head (Side View)



Strap



Head (Front View)

Material Data

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**

Technical Table

Article-No.	Type	Min. Tensile Strength (N)	Pack Cont.	Material	Colour	Application Tool
111-30000	**TELS1**	1111	15m strap, 30 heads	POM	Black (BK)	MK9HT
111-31000	**TELSH**	1111	25	POM	Black (BK)	MK9HT
111-32000	**TELS-SPK2**	–	50	PP	Black (BK)	-

All dimensions in mm. Subject to technical changes.

Hook and Loop TEXTIE®

Features and Benefits

Quick and simple to use without the need for tools they have no waste, are corrosion free, are resistant to ageing and are re-usable (up to 400 times).

Various colours are available to enable easy identification of multiple cable runs.

Application

As cables use thinner and softer insulation, and as fibre optic cables become more common there is a need for a 'soft' method of bundling. The TEXTIE®s are ideal for use on telephone cables, optical fibre and network cables.

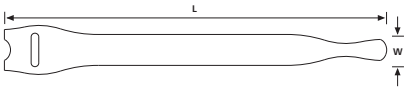
Perfect for use in temporary installations such as theatre stage construction or prototype cable harnesses.

There are a lot of private and office applications, too.

Due to the functional cable tie design the TEXTIE® is fixed on the cable and can't get lost.

GTM-Series Mounts for fixing are available on request. Please contact us!

The TEXTIE®-Series is available in different colours and lengths.



TEXTIE®-Series

Material Data

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

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Material Loop	Material Hook	Colour	Pack Cont.
130-00012	**TEXTIE® S**	150	12.5	45.0	PA	PE	Black (BK)	10
130-00013	**TEXTIE® M**	200	12.5	60.0	PA	PE	Black (BK)	10
130-00021	**TEXTIE® M**	200	12.5	60.0	PA	PE	White (WH)	10
130-00014	**TEXTIE® M**	200	12.5	60.0	PA	PE	Red (RD)	10
130-00016	**TEXTIE® M**	200	12.5	60.0	PA	PE	Yellow (YE)	10
130-00017	**TEXTIE® M**	200	12.5	60.0	PA	PE	Green (GN)	10
130-00018	**TEXTIE® M**	200	12.5	60.0	PA	PE	Blue (BU)	10
130-00019	**TEXTIE® L**	330	12.5	100	PA	PE	Black (BK)	10
130-00020	**TEXTIE® 5M**	5000	12.5	–	PA	PE	Black (BK)	1
130-00022	**TEXTIE® 25M**	25000	13.0	–	PA	PE	Black (BK)	1

All dimensions in mm. Subject to technical changes.

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

TPT Packaging Tie

Features and Benefits

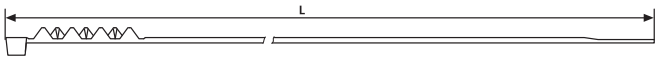
The TPT tie has a patented design of "clamping teeth" ensuring that the tie cannot be slid off the top of the bag, this ensures that the contents of the bag cannot be tampered with.

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.

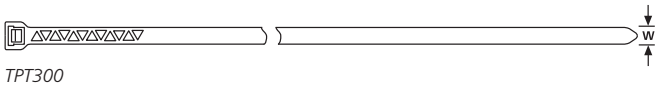
Application

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.

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



TPT300



TPT300

Material Data

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

Technical Table

Article-No.	Type	Length (L)	Width (W)	Min. Tensile Strength (N)	Colour
112-60300	**TPT300**	300	4.7	225	Black (BK)
112-60310	**TPT300T**	302	4.7	225	Black (BK)
112-60301	**TPT300**	300	4.7	225	Brown (BN)
112-60302	**TPT300**	300	4.7	225	Yellow (YE)

All dimensions in mm. Subject to technical changes.

TAS Aerial Support Tie

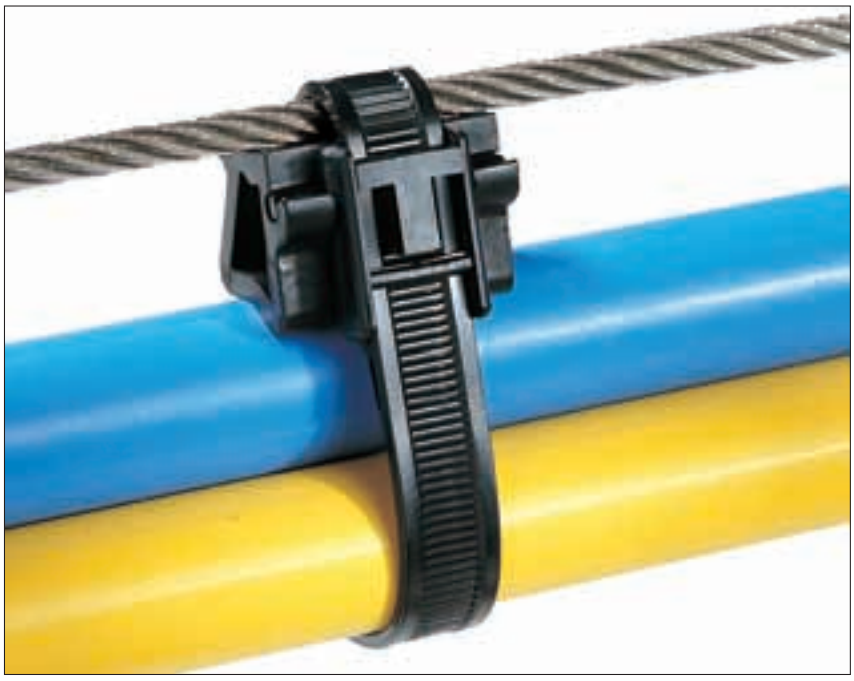
Features and Benefits

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 re-use 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.

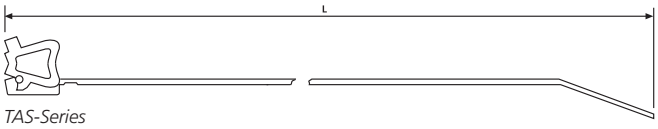


The TAS-range is used for supporting antenna cables.

Application Tool	Registration Numbers
MK3SP	1
MK3PNSP2, MK7P	2
MK7	3
MK7HT	4
MK20	5
MK6	6
MK9P, MK6PN	7
MK9	8
MK9HT	9
MK21	10

For more information, please turn to page 410.

Tunnels a common application.



TAS-Series

Material Data

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

Material Data

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

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Colour	Material	Application Tool
111-98510	**TAS100R**	210	12.7	45.0	445	Black (BK)	PA66HIR	8, 9
111-98520	**TAS100M**	270	12.7	70.0	445	Black (BK)	PA66HIR	8, 9
111-98530	**TAS100L**	420	12.7	115	445	Black (BK)	PA66HIR	8, 9

All dimensions in mm. Subject to technical changes.

CTF Fixing Ties for Cable Tray

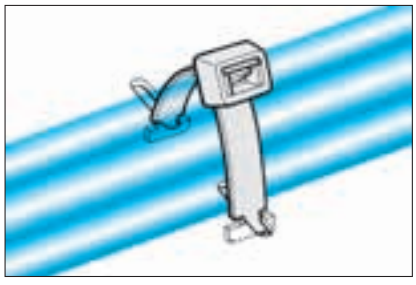
Features and Benefits

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.

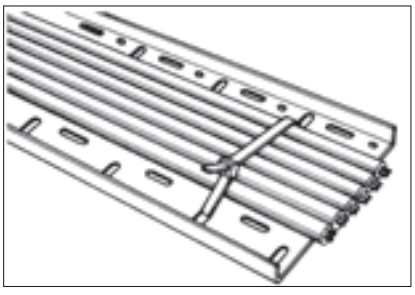
Application

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

Cable tray ties in application.



CTF with unique footing for use with cable tray.



Cable tray ties in application.

Material Data

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

Technical Table

Article-No.	Type	Length (L)	Width (W)	Min. Tensile Strength (N)	Material	Colour	Application Tool
111-98121	**CTF120**	320	7.6	535	PA66	Black (BK)	6–9
111-98124	**CTF120**	320	7.6	535	PA66	Natural (NA)	6–9
111-98100	**CTF12090***	320	7.6	535	PA66	Black (BK)	6–9
111-98140	**CTF12090***	320	7.6	535	PA66	Natural (NA)	6–9
111-98160	**CTF250**	355	13.0	1115	PA66	Black (BK)	7-9
111-98161	**CTF250**	355	13.0	1115	PA66	Natural (NA)	7-9

All dimensions in mm. Subject to technical changes.

* = 90° angle

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 and 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 – for example truck frames.

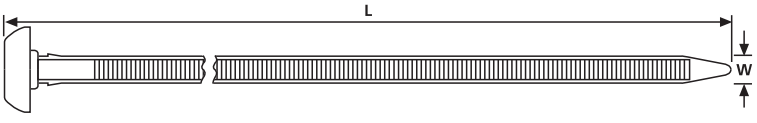
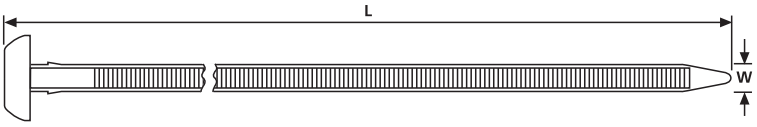
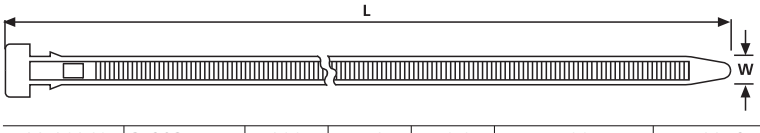
BHT375 - used for mounting cables via a single hole.

Material Data

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

Material specification please see page 40.

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Colour	Application Tool
With centering								
								
150-20395	**BHT203**	200	7.6	50.0	700	PA66HS	Black (BK)	6–10
150-37595	**BHT375**	375	7.6	100	700	PA66HS	Black (BK)	6–10
Without centering								
								
150-20396	**BHT203M**	200	7.6	50.0	700	PA66HS	Black (BK)	6–10
150-47595	**BHT375M**	375	7.6	100	700	PA66HS	Black (BK)	6–10
								
132-20360	**CT203**	200	7.6	50.0	700	PA66HS	Black (BK)	6–10
132-37540	**CT375**	375	7.6	100	700	PA66HS	Black (BK)	6–10
132-00000	**LHT370**	370	7.6	106	535	PA66	Black (BK)	6–10
132-00200	**DE863220**	300	6.0	80.0	135	PA66HS	Black (BK)	6–10

All dimensions in mm. Subject to technical changes.

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

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

Stainless steel cable ties				
Material	**Chem. Material Properties***	**Operating Temperature**	**Flammability**	
Stainless Steel Type SS304 (SS304)	• Corrosion resistant • Weather resistant • Outstanding chemical resistance • Antimagnetic	-80 °C to +538 °C	Non burning	
Stainless Steel Type SS316 (SS316)	• Salt spray resistant • Corrosion resistant • Weather resistant • Outstanding chemical resistance • Antimagnetic	-80 °C to +538 °C	Non burning	
Material	**Chem. Material Properties***	**Operating Temperature Tie**	**Flammability Coating**	**Operating Temperature Coating**
Stainless Steel Type SS316 (SS316), Polyester (SP)	• Salt spray resistant • Corrosion resistant • Weather resistant • Outstanding chemical resistance • Antimagnetic	-80 °C to +538 °C	Halogen free	-50 °C to +150 °C
Stainless Steel Type SS316 (SS316), Polyamide 11 (PA11)	• Salt spray resistant • Corrosion resistant • Weather resistant • Outstanding chemical resistance • Antimagnetic	-80 °C to +538 °C	Halogen free V0	-40 °C to +85 °C

*These details are only rough guide values. They should be regarded as a material specification and are no substitute for a suitablity test. Please see our datasheets for further details.

AMTS
Automated Metal Tying System

Features and Benefits

The Automated Metal Tying System is a quick and simple way to apply strong, high performance metal banding. The System comprises a purpose designed applicator tool together with an electric torque driver and AMTS ties. The ties are in pre-cut lengths with a safe, shaped end at the tip of the tie tail which means no sharp edges. The fastening buckle is already securely fitted and so the band is ready to fit from the pack with no assembly required. Optional protective channel is available for additional protection of cables or pipes where necessary.

Application

The applicator tool used in conjunction with the strap is ideal where "saving time" is a key factor. The high load this tie can withstand, makes it suitable for any heavy-duty job in the Rail, Ministry of Defence, Ship and Offshore industries. Made from Stainless Steel, the cable tie will cope with fire and arduous conditions.

Easy to use the AMTS noticeably speeds up bundling processes of heavy metal ties.

Shipyard.

The AMTS-Kit consists of the application tool and the driver.

Material Data

Power Supply	**Electric Driver**
Cycle Time	**30 sec.**
Weight (Kg)	**1.4**
Application	**Mobile**

Technical Table

Article-No.	Type
104-00044	**AMTS2005 Kit consists of:** **• Application Tool** **• Battery powered driver** **• Two batteries** **• Battery charger** **• Application CD** **Optional: A holster complete with belt to allow for hands free when initially applying the Application Tool**

All dimensions in mm. Subject to technical changes.

AMTS Metal banding

Features and Benefits

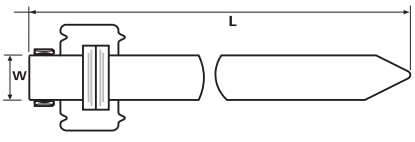
- Five lengths of band are available 500, 600, 800, 1000 and 1500 mm
- Single width – 16 mm
- Light Duty (0.4mm thickness) and Heavy Duty (0.75 mm thickness) available
- Double Band versions available for extra heavy-duty applications
- LFPC163 protective channel available in 1 meter and 25 meter lengths to cut to size

Application

The AMT tie is designed for heavy duty application.The folding mechanism, which ensures tight locking, will not become loose under vibration conditions. Therefore in all safety relevant areas where vibration is normal, like in the Rail, Ship or Construction Industry this product is very suitable.

AMT Ties with and without protective LFPC channel.

The high strength banding system – AMT Ties.



AMT Tie

Material Data

Material	**Stainless Steel Type SS316 (SS316)**
Operating Temperature	**-80 °C to +538 °C**
Flammability	**Non burning**

Technical Table

Article-No.	Type	Length (L)	Width (W)	Thickness (T)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
111-00327	**AMT5L16SB**	500	16.0	0.4	110	2500	SS316	AMTS
111-00328	**AMT6L16SB**	600	16.0	0.4	140	2500	SS316	AMTS
111-00329	**AMT8L16SB**	800	16.0	0.4	205	2500	SS316	AMTS
111-00330	**AMT10L16SB**	1000	16.0	0.4	270	2500	SS316	AMTS
111-00331	**AMT15L16SB**	1500	16.0	0.4	430	2500	SS316	AMTS
111-00338	**AMT5H16SB**	500	16.0	0.75	110	2500	SS316	AMTS
111-00339	**AMT6H16SB**	600	16.0	0.75	140	2500	SS316	AMTS
111-00340	**AMT8H16SB**	800	16.0	0.75	205	2500	SS316	AMTS
111-00341	**AMT10H16SB**	1000	16.0	0.75	270	2500	SS316	AMTS
111-00342	**AMT15H16SB**	1500	16.0	0.75	430	2500	SS316	AMTS

All dimensions in mm. Subject to technical changes.

Only reference! Additional products are available, see describing text above.

MBT Range of Stainless Steel Cable Ties

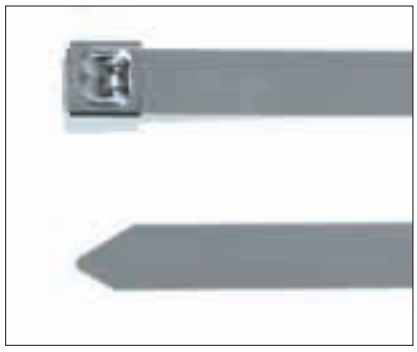
Features and Benefits

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

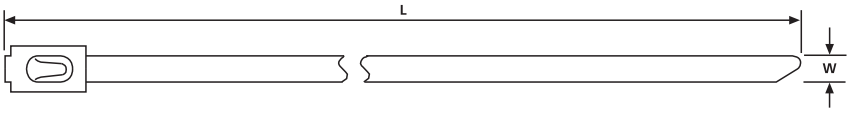
Application

The MBT range of stainless steel ties are suitable for use in the most arduous conditions or where additional security, strength, fire resistance and chemical resistance properties. Used in all industries – from mass transit, ship building, oil rigs, mining, chemical industries and many more.

MBTS, MBTH



MBTXH



MBTS, MBTH

Technical Table

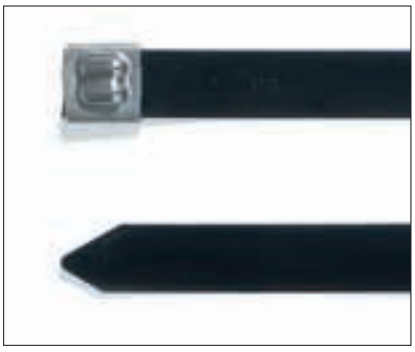
Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
Material Type SS304							
111-93058	**MBT5SS**	127	4.6	25.0	670	SS304	MK9SST
111-93088	**MBT8SS**	201	4.6	50.0	670	SS304	MK9SST
111-93148	**MBT14SS**	362	4.6	102	670	SS304	MK9SST
111-93208	**MBT20SS**	521	4.6	152	670	SS304	MK9SST
111-93278	**MBT27SS**	681	4.6	203	670	SS304	MK9SST
111-93338	**MBT33SS**	838	4.6	254	670	SS304	MK9SST
111-94088	**MBT8HS**	201	7.9	50.0	1115	SS304	MK9SST
111-94148	**MBT14HS**	362	7.9	102	1115	SS304	MK9SST
111-94208	**MBT20HS**	521	7.9	152	1115	SS304	MK9SST
111-94278	**MBT27HS**	681	7.9	203	1115	SS304	MK9SST
111-94338	**MBT33HS**	838	7.9	254	1115	SS304	MK9SST
111-95148	**MBT14XHS**	362	12.3	107	2225	SS304	MK9SST
111-95208	**MBT20XHS**	521	12.3	152	2225	SS304	MK9SST
111-95278	**MBT27XHS**	681	12.3	203	2225	SS304	MK9SST
111-95338	**MBT33XHS**	838	12.3	254	2225	SS304	MK9SST
Material Type SS316							
111-93059	**MBT5S**	127	4.6	25.0	670	SS316	MK9SST
111-93089	**MBT8S**	201	4.6	50.0	670	SS316	MK9SST
111-93149	**MBT14S**	362	4.6	102	670	SS316	MK9SST
111-93209	**MBT20S**	521	4.6	152	670	SS316	MK9SST
111-93279	**MBT27S**	681	4.6	203	670	SS316	MK9SST
111-93339	**MBT33S**	838	4.6	254	670	SS316	MK9SST
111-94089	**MBT8H**	201	7.9	50.0	1115	SS316	MK9SST
111-94149	**MBT14H**	362	7.9	102	1115	SS316	MK9SST
111-94209	**MBT20H**	521	7.9	152	1115	SS316	MK9SST
111-94279	**MBT27H**	681	7.9	203	1115	SS316	MK9SST
111-94339	**MBT33H**	838	7.9	254	1115	SS316	MK9SST
111-95149	**MBT14XH**	362	12.3	102	2225	SS316	MK9SST
111-95209	**MBT20XH**	521	12.3	152	2225	SS316	MK9SST
111-95279	**MBT27XH**	681	12.3	203	2225	SS316	MK9SST
111-95339	**MBT33XH**	838	12.3	254	2225	SS316	MK9SST

All dimensions in mm. Subject to technical changes.

Please Note for Product Specific Approvals please refer to the Appendix

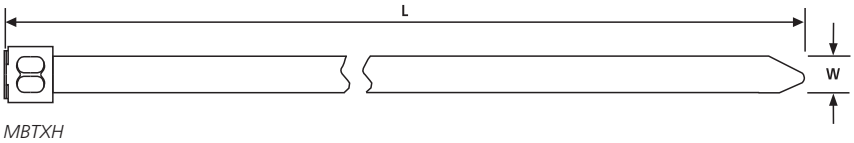
MBT Range of Stainless Steel Cable Ties

MBTS, MBTH



MBTXH

Material specification see page 83.



MBTXH

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
MBT semi coated							
111-93057	**MBT5SC**	127	4.6	25.0	467	SS316, PA11	MK9SST
111-93087	**MBT8SC**	201	4.6	50.0	467	SS316, PA11	MK9SST
111-93147	**MBT14SC**	362	4.6	102	467	SS316, PA11	MK9SST
111-93207	**MBT20SC**	521	4.6	152	467	SS316, PA11	MK9SST
111-93277	**MBT27SC**	681	4.6	203	467	SS316, PA11	MK9SST
111-93337	**MBT33SC**	838	4.6	254	467	SS316, PA11	MK9SST
111-94087	**MBT8HC**	201	7.9	50.0	779	SS316, PA11	MK9SST
111-94147	**MBT14HC**	362	7.9	102	779	SS316, PA11	MK9SST
111-94207	**MBT20HC**	521	7.9	152	779	SS316, PA11	MK9SST
111-94277	**MBT27HC**	681	7.9	203	779	SS316, PA11	MK9SST
111-94337	**MBT33HC**	838	7.9	254	779	SS316, PA11	MK9SST
111-95147	**MBT14XHC**	362	12.3	107	1558	SS316, PA11	MK9SST
111-95207	**MBT20XHC**	521	12.3	150	1558	SS316, PA11	MK9SST
111-95277	**MBT27XHC**	681	12.3	203	1558	SS316, PA11	MK9SST
111-95336	**MBT33XHC**	838	12.3	254	1558	SS316, PA11	MK9SST
MBT Fully Coated							
111-00288	**MBT5SFC**	127	4.6	25.0	467	SS316, SP	MK9SST
111-00289	**MBT8SFC**	201	4.6	50.0	467	SS316, SP	MK9SST
111-00290	**MBT14SFC**	362	4.6	102	467	SS316, SP	MK9SST
111-00291	**MBT20SFC**	521	4.6	152	467	SS316, SP	MK9SST
111-00292	**MBT27SFC**	681	4.6	203	467	SS316, SP	MK9SST
111-00293	**MBT33SFC**	838	4.6	254	467	SS316, SP	MK9SST
111-00294	**MBT8HFC**	201	7.9	50.0	779	SS316, SP	MK9SST
111-00295	**MBT14HFC**	362	7.9	102	779	SS316, SP	MK9SST
111-00296	**MBT20HFC**	521	7.9	152	779	SS316, SP	MK9SST
111-00297	**MBT27HFC**	681	7.9	203	779	SS316, SP	MK9SST
111-00298	**MBT33HFC**	838	7.9	254	779	SS316, SP	MK9SST
111-00299	**MBT14XHFC**	362	12.3	107	1558	SS316, SP	MK9SST
111-00300	**MBT20XHFC**	521	12.3	150	1558	SS316, SP	MK9SST
111-00301	**MBT27XHFC**	681	12.3	203	1558	SS316, SP	MK9SST
111-00302	**MBT33XHFC**	838	12.3	254	1558	SS316, SP	MK9SST

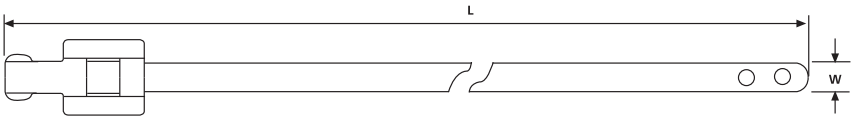
All dimensions in mm. Subject to technical changes.

MLT Range of Stainless Steel Cable Ties

Features and Benefits

The MLT ties are a heavy duty type 316 stainless steel, once installed they can be opened and re-used if required.

These Metal ties are availiable with and without coating.



MLT

Material specification please see page 83.

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Material	Application Tool
MLT Uncoated						
111-94080	**MLT8SS5**	230	5.0	60.0	SS316	MTT4
111-94120	**MLT12SS5**	330	5.0	90.0	SS316	MTT4
111-94161	**MLT16SS5**	430	5.0	120	SS316	MTT4
111-91400	**MLT24SS5**	630	5.0	180	SS316	MTT4
111-95080	**MLT8SS10**	230	10.0	60.0	SS316	MTT4
111-95120	**MLT12SS10**	330	10.0	90.0	SS316	MTT4
111-91300	**MLT16SS10**	430	10.0	120	SS316	MTT4
111-95241	**MLT24SS10**	630	10.0	180	SS316	MTT4
MLT Fully Coated						
111-91000	**MLT8SSC5**	230	5.26	60.0	SS316, SP	MTT4
111-91121	**MLT12SSC5**	330	5.26	90.0	SS316, SP	MTT4
111-91161	**MLT16SSC5**	430	5.26	120	SS316, SP	MTT4
111-91180	**MLT24SSC5**	630	5.26	180	SS316, SP	MTT4
111-91001	**MLT8SSC10**	230	10.26	60.0	SS316, SP	MTT4
111-91123	**MLT12SSC10**	330	10.26	90.0	SS316, SP	MTT4
111-91163	**MLT16SSC10**	430	10.26	120	SS316, SP	MTT4
111-91181	**MLT24SSC10**	630	10.26	180	SS316, SP	MTT4

All dimensions in mm. Subject to technical changes.

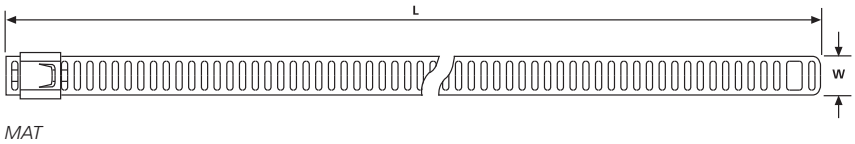
Please Note for Product Specific Approvals please refer to the Appendix

MAT Range of Stainless Steel Cable Ties

Features and Benefits

The MAT ties are similar in design to conventional 'plastic' cable ties and work on a ratchet system. Available in type 316 stainless steel.

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



MAT

Material specification please see page 83.

Technical Table

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
MAT Uncoated							
111-92080	**MAT8SS7**	230	7.0	60.0	445	SS316	MTT6
111-92120	**MAT12SS7**	330	7.0	90.0	445	SS316	MTT6
111-92160	**MAT16SS7**	430	7.0	120	445	SS316	MTT6
111-92240	**MAT24SS7**	630	7.0	180	445	SS316	MTT6
111-93080	**MAT8SS12**	230	12.0	60.0	445	SS316	MTT6
111-93120	**MAT12SS12**	330	12.0	90.0	445	SS316	MTT6
111-93160	**MAT16SS12**	430	12.0	120	445	SS316	MTT6
111-93240	**MAT24SS12**	630	12.0	180	445	SS316	MTT6
MAT Fully Coated							
111-92004	**MAT8SSC7**	230	7.0	60.0	445	SS316, SP	MTT6
111-96120	**MAT12SSC7**	330	7.0	90.0	445	SS316, SP	MTT6
111-92162	**MAT16SSC7**	430	7.0	120	445	SS316, SP	MTT6
111-92200	**MAT24SSC7**	630	7.0	180	445	SS316, SP	MTT6
111-92002	**MAT8SSC12**	230	12.0	60.0	445	SS316, SP	MTT6
111-92122	**MAT12SSC12**	330	12.0	90.0	445	SS316, SP	MTT6
111-92163	**MAT16SSC12**	430	12.0	120	445	SS316, SP	MTT6
111-92201	**MAT24SSC12**	630	12.0	180	445	SS316, SP	MTT6

All dimensions in mm. Subject to technical changes.

Please Note for Product Specific Approvals please refer to the Appendix

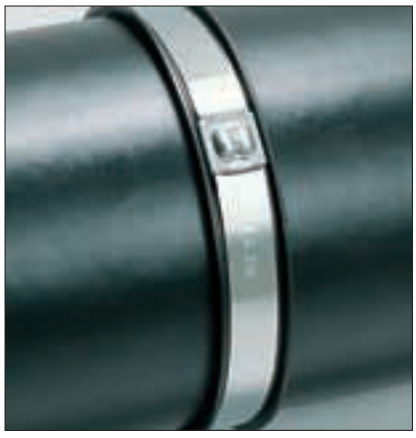
LFPC Protective Channel

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

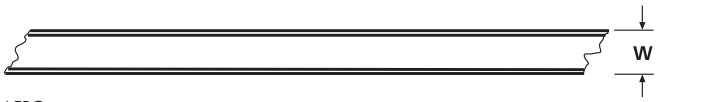
When used in conjunction with the MBT range of stainless steel cable ties this channel gives the cable protection against chafing, vibration and shock. Ideal for use in arduous conditions such as those found on board ships, oil rigs or in nuclear power stations.



Cable tie MBTXH with LFPC Protective Channel.

Material Data

Material	**Polyolefin**
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)**



LFPC

Technical Table

Article-No.	Type	For Ties	Width (W)
111-93000	**LFPC70**	MBTS	7.0
111-94000	**LFPC103**	MBTH	10.3
111-95000	**LFPC150**	MBTXH	15.0
111-00257	**LFPC83**	MBTH	8.3
111-00253	**LFPC129**	MBTXH	12.9
111-00254	**LFPC132**	MBTXH	13.2
111-00255	**LFPC163**	AMT-Ties	16.3

All dimensions in mm. Subject to technical changes.

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.

DEF STAN

Please Note for Product Specific Approvals please refer to the Appendix