

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 (SS304)	<ul style="list-style-type: none"> • Corrosion resistant • Weather resistant • Outstanding chemical resistance • Antimagnetic 	-80 °C to +538 °C	non-burning	
Stainless Steel (SS316)	<ul style="list-style-type: none"> • 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 (SS316), Polyester (SP)	<ul style="list-style-type: none"> • Salt spray resistant • Corrosion resistant • Weather resistant • Outstanding chemical resistance • Antimagnetic 	-80 °C to +538 °C	halogen free	-50 °C to +150 °C, continuous



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

Cable Ties with Ball-Lock

• MBT-Series

The MBT 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. Used in all industries from Mass Transit and Ship building to automotive high temperature application.

Features and Benefits

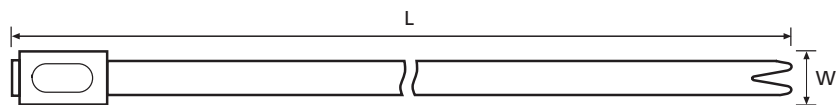
- Cable ties MBT, made from stainless steel
- Patented non-releasable locking feature
- Corrosion resistant
- Weather resistant
- Outstanding chemical resistance
- Antimagnetic
- High temperature resistant
- Non-burning



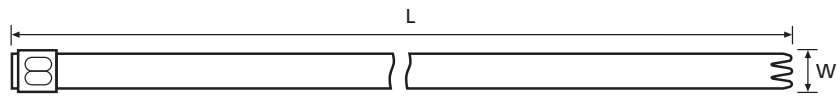
MBT_SS, MBT_HS.



MBT_XHS.



MBT_SS, MBT_HS.



MBT_XHS.

**Material specification
please see page 36.**

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
Material Typ SS304							
111-93058	MBT5SS	127	4.6	25	900	SS304	MK9SST, KST-STG200
111-93088	MBT8SS	201	4.6	50	900	SS304	MK9SST, KST-STG200
111-93148	MBT14SS	362	4.6	102	900	SS304	MK9SST, KST-STG200
111-93208	MBT20SS	521	4.6	152	900	SS304	MK9SST, KST-STG200
111-93278	MBT27SS	681	4.6	203	900	SS304	MK9SST, KST-STG200
111-93338	MBT33SS	838	4.6	254	900	SS304	MK9SST, KST-STG200
111-94088	MBT8HS	201	7.9	50	2000	SS304	MK9SST, KST-STG200
111-94148	MBT14HS	362	7.9	102	2000	SS304	MK9SST, KST-STG200
111-94208	MBT20HS	521	7.9	152	2000	SS304	MK9SST, KST-STG200
111-94278	MBT27HS	681	7.9	203	2000	SS304	MK9SST, KST-STG200
111-94338	MBT33HS	838	7.9	254	2000	SS304	MK9SST, KST-STG200
111-95148	MBT14XHS	362	12.3	102	2700	SS304	MK9SST, KST-STG200
111-95208	MBT20XHS	521	12.3	152	2700	SS304	MK9SST, KST-STG200
111-95278	MBT27XHS	681	12.3	203	2700	SS304	MK9SST, KST-STG200
111-95338	MBT33XHS	838	12.3	254	2700	SS304	MK9SST, KST-STG200

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval.

For product specific approvals please refer to the Appendix.

Cable Ties with Ball-Lock

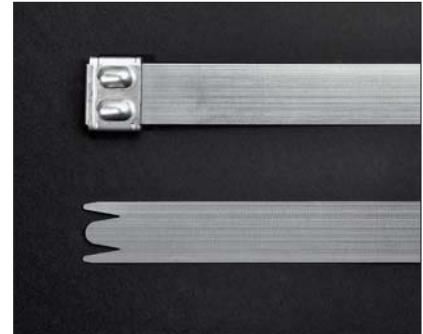
• MBT-Series



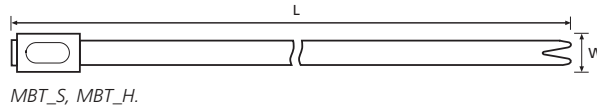
MBT_S, MBT_H.



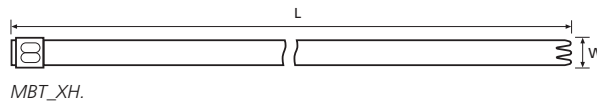
MBT_XH.



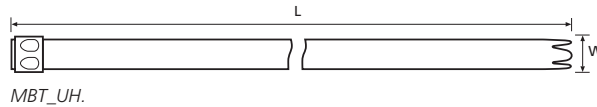
MBT_UH.




MBT_S, MBT_H.



MBT_XH.



MBT_UH.

 **Material specification please see page 36.**

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
Material Typ SS316							
111-93059	MBT5S	127	4.6	25	900	SS316	MK9SST, KST-STG200
111-93089	MBT8S	201	4.6	50	900	SS316	MK9SST, KST-STG200
111-93149	MBT14S	362	4.6	102	900	SS316	MK9SST, KST-STG200
111-93209	MBT20S	521	4.6	152	900	SS316	MK9SST, KST-STG200
111-93279	MBT27S	681	4.6	203	900	SS316	MK9SST, KST-STG200
111-93339	MBT33S	838	4.6	254	900	SS316	MK9SST, KST-STG200
111-94089	MBT8H	201	7.9	50	2000	SS316	MK9SST, KST-STG200
111-94149	MBT14H	362	7.9	102	2000	SS316	MK9SST, KST-STG200
111-94209	MBT20H	521	7.9	152	2000	SS316	MK9SST, KST-STG200
111-94279	MBT27H	681	7.9	203	2000	SS316	MK9SST, KST-STG200
111-94339	MBT33H	838	7.9	254	2000	SS316	MK9SST, KST-STG200
111-95149	MBT14XH	362	12.3	102	2700	SS316	MK9SST, KST-STG200
111-95209	MBT20XH	521	12.3	152	2700	SS316	MK9SST, KST-STG200
111-95279	MBT27XH	681	12.3	203	2700	SS316	MK9SST, KST-STG200
111-95339	MBT33XH	838	12.3	254	2700	SS316	MK9SST, KST-STG200
111-01301	MBT14UH	362	16.0	102	4100	SS316	on request
111-01302	MBT20UH	521	16.0	152	4100	SS316	on request
111-01303	MBT27UH	681	16.0	203	4100	SS316	on request
111-01304	MBT33UH	838	16.0	254	4100	SS316	on request
111-01305	MBT43UH	1092	16.0	330	4100	SS316	on request
111-01306	MBT49UH	1245	16.0	380	4100	SS316	on request

All dimensions in mm. Subject to technical changes.



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Double Band Cable Ties with Ball-Lock

• MBTXHD- / MBTUHD-Series

Metal ties are predestinated for all areas with requirements for high holding force, reliability and fire resistance. The double band ties of the MBT-series are used in applications where a fixing requires an extraordinary high tensile strength. This may be required on oil platform as well as in shipbuilding, mining and railway industry.

Features and Benefits

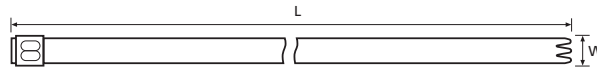
- MBT ties made from stainless steel SS304 or SS316
- Can be wrapped around the bundle twice
- For improved tensile strength to withstand enormous applied loads
- Patented non-releasable locking feature with two balls
- Corrosion resistant
- Weather resistant
- Outstanding chemical resistance
- Antimagnetic
- High temperatur resistant
- Non-burning



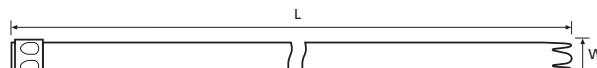
MBT_XHD Double Band.



MBT_UHD Double Band.



MBT_XHD.



MBT_UHD.



**Material specification
please see page 36.**

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
111-01307	MBT27XHD	681	12.3	100	3600	SS316	MK9SST, KST-STG200
111-01308	MBT33XHD	838	12.3	120	3600	SS316	MK9SST, KST-STG200
111-01309	MBT43XHD	1092	12.3	160	3600	SS316	MK9SST, KST-STG200
111-01310	MBT49XHD	1245	12.3	180	3600	SS316	MK9SST, KST-STG200
111-01311	MBT60XHD	1524	12.3	230	3600	SS316	MK9SST, KST-STG200
111-01312	MBT27UHD	681	16.0	100	5400	SS316	on request
111-01313	MBT33UHD	838	16.0	120	5400	SS316	on request
111-01314	MBT43UHD	1092	16.0	160	5400	SS316	on request
111-01315	MBT49UHD	1245	16.0	180	5400	SS316	on request
111-01316	MBT60UHD	1524	16.0	230	5400	SS316	on request

All dimensions in mm. Subject to technical changes.



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Cable Ties with Ball-Lock and Coating

• MBT-FC-Series

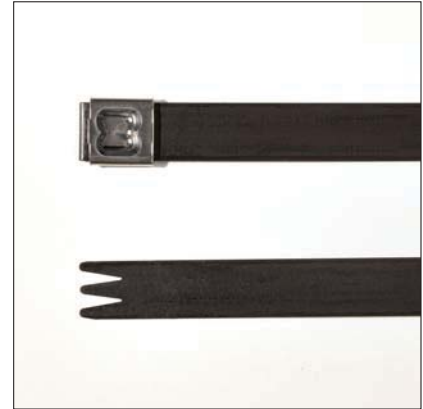
Metal ties are predestinated for all areas with requirements for high holding force, reliability and fire resistance. Stainless Steel cable ties with polyester coating provide a comfortable installation, especially when using at low temperatures. These products are chosen when high tensile strength is demanded and contact corrosion has to be avoided.

Features and Benefits

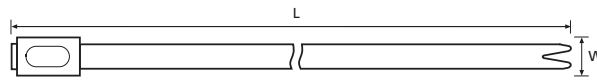
- MBT cable ties, Stainless steel SS316, fully polyester coated
- Improved installation comfort especially when used at low temperatures
- Strong tensile strength combined with the protection of plastic coating for sensitive harnesses
- Avoids contact corrosion



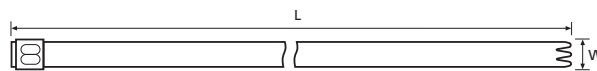
MBT_SFC, MBT_HFC.



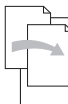
MBT_XHFC.



MBT_SFC, MBT_HFC.



MBT_XHFC.

 **Material specification please see page 36.**

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
MBT fully coated							
111-00288	MBT5SFC	127	4.6	25	540	SS316, SP	MK9SST, KST-STG200
111-00289	MBT8SFC	201	4.6	50	540	SS316, SP	MK9SST, KST-STG200
111-00290	MBT14SFC	362	4.6	102	540	SS316, SP	MK9SST, KST-STG200
111-00291	MBT20SFC	521	4.6	152	540	SS316, SP	MK9SST, KST-STG200
111-00292	MBT27SFC	681	4.6	203	540	SS316, SP	MK9SST, KST-STG200
111-00293	MBT33SFC	838	4.6	254	540	SS316, SP	MK9SST, KST-STG200
111-00294	MBT8HFC	201	7.9	50	1020	SS316, SP	MK9SST, KST-STG200
111-00295	MBT14HFC	362	7.9	102	1020	SS316, SP	MK9SST, KST-STG200
111-00296	MBT20HFC	521	7.9	152	1020	SS316, SP	MK9SST, KST-STG200
111-00297	MBT27HFC	681	7.9	203	1020	SS316, SP	MK9SST, KST-STG200
111-00298	MBT33HFC	838	7.9	254	1020	SS316, SP	MK9SST, KST-STG200
111-00299	MBT14XHFC	362	12.3	102	1620	SS316, SP	MK9SST, KST-STG200
111-00300	MBT20XHFC	521	12.3	152	1620	SS316, SP	MK9SST, KST-STG200
111-00301	MBT27XHFC	681	12.3	203	1620	SS316, SP	MK9SST, KST-STG200
111-00302	MBT33XHFC	838	12.3	254	1620	SS316, SP	MK9SST, KST-STG200

All dimensions in mm. Subject to technical changes.



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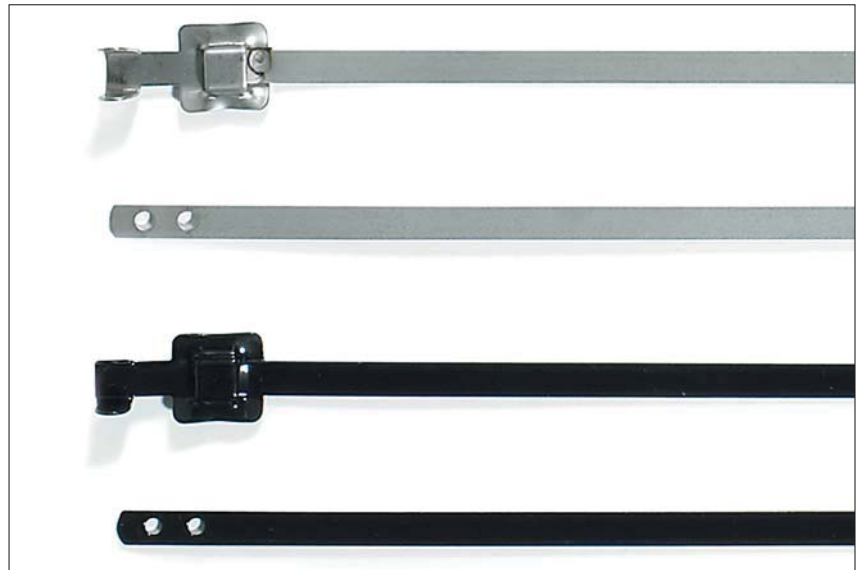
Cable Ties with Fold Locking

- **MLT-Series**
- **MLT-C**

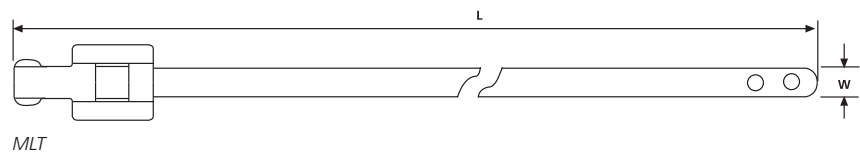
Metal ties are predestinated for all areas with requirements for high holding force, reliability and fire resistance. The MLT range of stainless steel cable ties can be used in all industries from Mass Transit, Ship building, oil rigs, mining, and chemical to theatres and exhibition halls.

Features and Benefits

- MLT metal cable ties, Stainless steel SS316
- Simple and effective locking mechanism
- Feed the strap through the locking head and tension it
- Bend the strap and crimp the buckle for closing
- Locking can be opened
- To avoid contact corrosion the MLT-Series are also available with polyester coating



These Metal ties are available with and without coating.



**Material specification
please see page 36.**

Article-No.	Type	Length (L)	Width (W)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
MLT Uncoated							
111-94080	MLT8SS5	230	5.0	60	420	SS316	MTT4
111-94120	MLT12SS5	330	5.0	90	420	SS316	MTT4
111-94161	MLT16SS5	430	5.0	120	420	SS316	MTT4
111-91400	MLT24SS5	630	5.0	180	420	SS316	MTT4
111-95080	MLT8SS10	230	10.0	60	850	SS316	MTT4
111-95120	MLT12SS10	330	10.0	90	850	SS316	MTT4
111-91300	MLT16SS10	430	10.0	120	850	SS316	MTT4
111-95241	MLT24SS10	630	10.0	180	850	SS316	MTT4
MLT-C Coated							
111-91000	MLT8SSC5	230	5.26	60	420	SS316, SP	MTT4
111-91121	MLT12SSC5	330	5.26	90	420	SS316, SP	MTT4
111-91161	MLT16SSC5	430	5.26	120	420	SS316, SP	MTT4
111-91180	MLT24SSC5	630	5.26	180	420	SS316, SP	MTT4
111-91001	MLT8SSC10	230	10.26	60	850	SS316, SP	MTT4
111-91123	MLT12SSC10	330	10.26	90	850	SS316, SP	MTT4
111-91163	MLT16SSC10	430	10.26	120	850	SS316, SP	MTT4
111-91181	MLT24SSC10	630	10.26	180	850	SS316, SP	MTT4

All dimensions in mm. Subject to technical changes.



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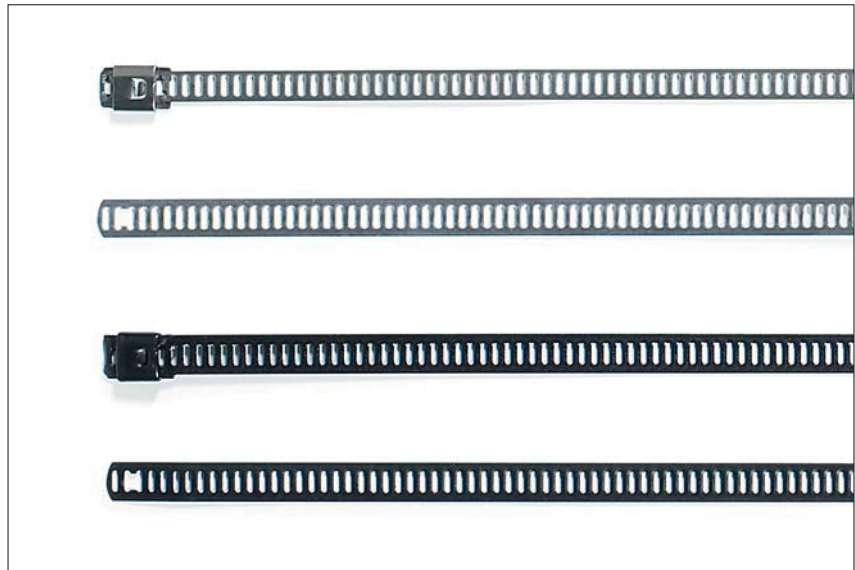
Cable Ties with Raster Locking

- MAT-Series
- MAT-C

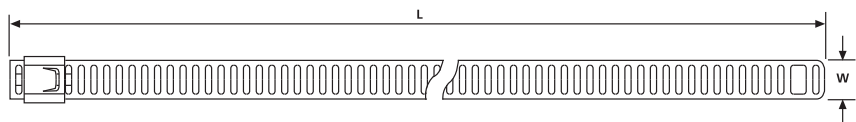
The MAT range of stainless steel cable ties can be used when durability and fire resistance is required. i.eg. MassTransit or light and radio technology. The 12mm wide MAT ties offer a broad contact area and are therefore suitable for more damageable bundles.

Features and Benefits

- MAT metal cable ties, Stainless steel SS316
- Similar in design to conventional 'plastic' cable ties
- Locking mechanism works on a ratchet system
- To avoid contact corrosion the MLT-Series are also available with polyester coating



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



MAT



**Material specification
please see page 36.**

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	445	SS316	MK9SST, KST-STG200
111-92120	MAT12SS7	330	7.0	90	445	SS316	MK9SST, KST-STG200
111-92160	MAT16SS7	430	7.0	120	445	SS316	MK9SST, KST-STG200
111-92240	MAT24SS7	630	7.0	180	445	SS316	MK9SST, KST-STG200
111-93080	MAT8SS12	230	12.0	60	445	SS316	MK9SST, KST-STG200
111-93120	MAT12SS12	330	12.0	90	445	SS316	MK9SST, KST-STG200
111-93160	MAT16SS12	430	12.0	120	445	SS316	MK9SST, KST-STG200
111-93240	MAT24SS12	630	12.0	180	445	SS316	MK9SST, KST-STG200
MAT-C Coated							
111-92004	MAT8SSC7	230	7.0	60	445	SS316, SP	MK9SST, KST-STG200
111-96120	MAT12SSC7	330	7.0	90	445	SS316, SP	MK9SST, KST-STG200
111-92162	MAT16SSC7	430	7.0	120	445	SS316, SP	MK9SST, KST-STG200
111-92200	MAT24SSC7	630	7.0	180	445	SS316, SP	MK9SST, KST-STG200
111-92002	MAT8SSC12	230	12.0	60	445	SS316, SP	MK9SST, KST-STG200
111-92122	MAT12SSC12	330	12.0	90	445	SS316, SP	MK9SST, KST-STG200
111-92163	MAT16SSC12	430	12.0	120	445	SS316, SP	MK9SST, KST-STG200
111-92201	MAT24SSC12	630	12.0	180	445	SS316, SP	MK9SST, KST-STG200

All dimensions in mm. Subject to technical changes.



Please note! Not all products listed on this page may have this approval. For product specific approvals please refer to the Appendix.

Protective Channel for Stainless Steel Ties

• LFPC

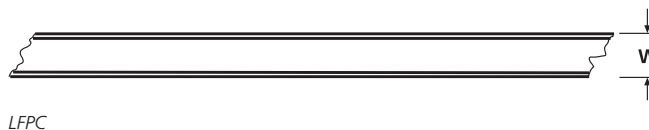
When used in conjunction with the MBT range of stainless steel cable ties this channel gives the cable protection against chafing, vibration and shock.

Features and Benefits

- LFPC channel, manufactured from Polyolefin
- Works with MBT-Series
- Smooth surface protects bundel against chafing due to vibrations
- Halogenfree
- Flame retardant



Cable tie MBTXH with LFPC Protective Channel.



LFPC



**Material specification
please see page 21.**

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, MBTUH	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.