



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)	<ul style="list-style-type: none"> • Corrosion resistant • Weather resistant • Outstanding chemical resistance • Antimagnetic 	-80 °C to +538 °C	Non burning	
Stainless Steel Type SS316 (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 Type SS316 (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



*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.



Metal Banding for Heavy Duty Application

• AMT-Series

Features and Benefits

- Five lengths of band are available 500, 600, 800, 1000 and 1500mm
- Single width – 16mm
- Light Duty (0.4mm thickness) and Heavy Duty (0.75mm 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



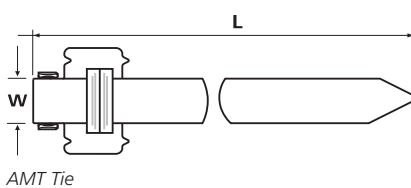
AMT Ties with and without protective LFPC channel.

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.



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
111-00327	AMT5L16SB	500	16.0	0.4	110	2500	SS316
111-00328	AMT6L16SB	600	16.0	0.4	140	2500	SS316
111-00329	AMT8L16SB	800	16.0	0.4	205	2500	SS316
111-00330	AMT10L16SB	1000	16.0	0.4	270	2500	SS316
111-00331	AMT15L16SB	1500	16.0	0.4	430	2500	SS316
111-00338	AMT5H16SB	500	16.0	0.75	110	2500	SS316
111-00339	AMT6H16SB	600	16.0	0.75	140	2500	SS316
111-00340	AMT8H16SB	800	16.0	0.75	205	2500	SS316
111-00341	AMT10H16SB	1000	16.0	0.75	270	2500	SS316
111-00342	AMT15H16SB	1500	16.0	0.75	430	2500	SS316

All dimensions in mm. Subject to technical changes.

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



Cable Ties with Ball-Lock

• MBT-Series

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

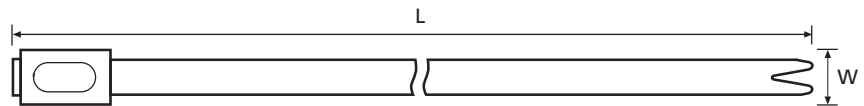
The MBT range of stainless steel ties are suitable for use in the most arduous conditions or where additional security, strength, fire resistance and chemical resistance properties. Used in all industries - from mass transit, ship building, oil rigs, mining, chemical industries and many more.



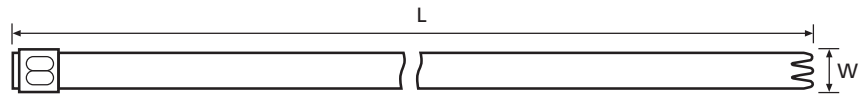
MBT_SS, MBT_HS.



MBT_XHS.



MBT_SS, MBT_HS



MBT_XHS

Material Data

Material	Stainless Steel Type SS304 (SS304)
Operating Temperature	-80 °C to +538 °C
Flammability	Non burning



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	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

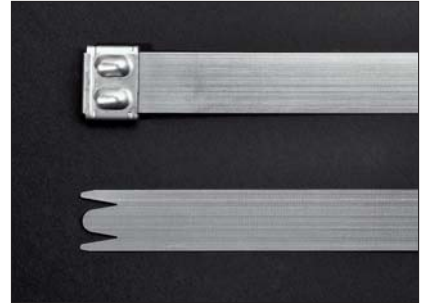
• MBT-Series



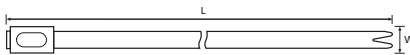
MBT_S, MBT_H.



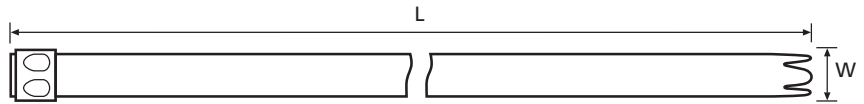
MBT_XH.



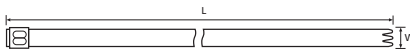
MBTUH.



MBT_S, MBT_H



MBT_UH



MBT_XH

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)	Bundle Ø max.	Min. Tensile Strength (N)	Material	Application Tool
Material Type 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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For product specific approvals please refer to the Appendix.



Double Band Cable Ties with Ball-Lock

- MBTXHD- / MBTUHD-Series

Features and Benefits

The stainless steel MBT-ties with double band operation can be wrapped around the bundle and inserted into the head twice. By this feature the metal tie reaches a very high tensile strength to carry enormous applied loads.

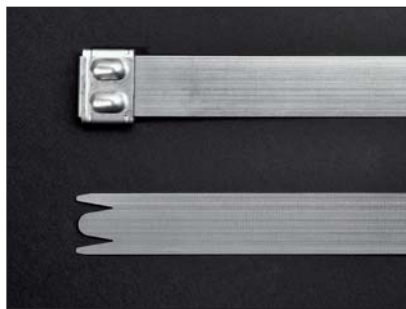
To resist even special demands the metal tie comprises a head with two balls for locking.

Application

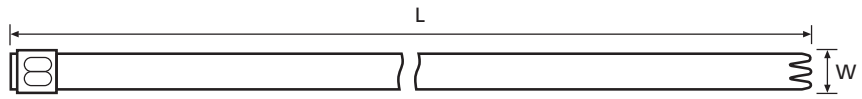
The double band ties of the MBT-series are used in applications where a fixing requires an extraordinary high tensile strength.



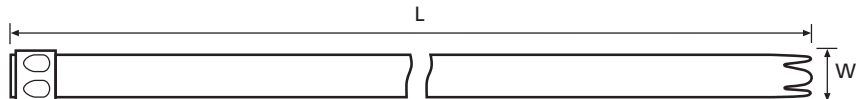
MBT_XHD Double Band.



MBT_UHD Double Band.



MBT_XHD



MBT_UHD

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)	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

Features and Benefits

The fully coated cable ties of the MBT-series are made of stainless steel SS316 with a polyester coating.

The coating offers various advantages:

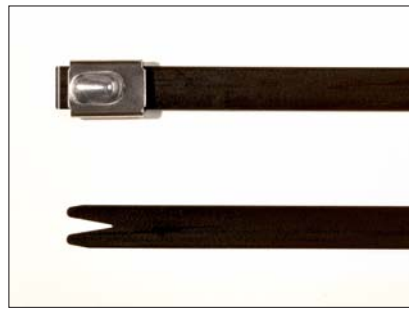
The cable tie has smooth edges. The handling and the installation is more comfortable.

In the application contact corrosion will be avoided.

Application

Stainless Steel cable ties with polyester coating provide a comfortable installation, especially when using outside at low temperatures.

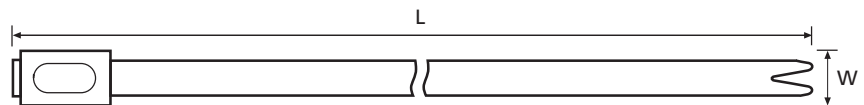
These products are chosen when a high tensile strength is demanded and a sensitive harness requires a carefully bundling.



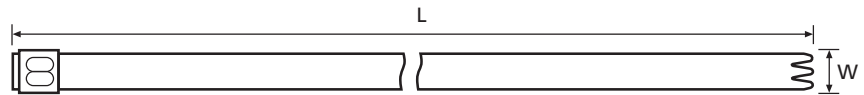
MBT_SFC, MBT_HFC.



MBT_XHFC.



MBT_SFC, MBT_HFC



MBT_XHFC

Material Data	
Material	Stainless Steel Type SS316 (SS316), Polyester (SP)
Operating Temperature Tie	-80 °C to +538 °C
Operating Temperature Coating	-50 °C to +150 °C
Flammability	Non burning



Technical Table

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.



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 Fold Locking

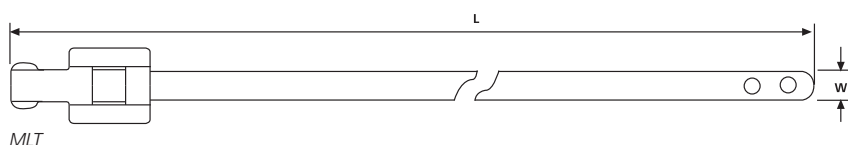
- MLT-Series
- MLT-C

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 available with and without coating.



Material Data

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



Material Data

Material	Stainless Steel Type SS316 (SS316), Polyester (SP)
Operating Temperature Tie	-80 °C to +538 °C
Operating Temperature Coating	-50 °C to +150 °C
Flammability	Non burning



Technical Table

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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For product specific approvals please refer to the Appendix.

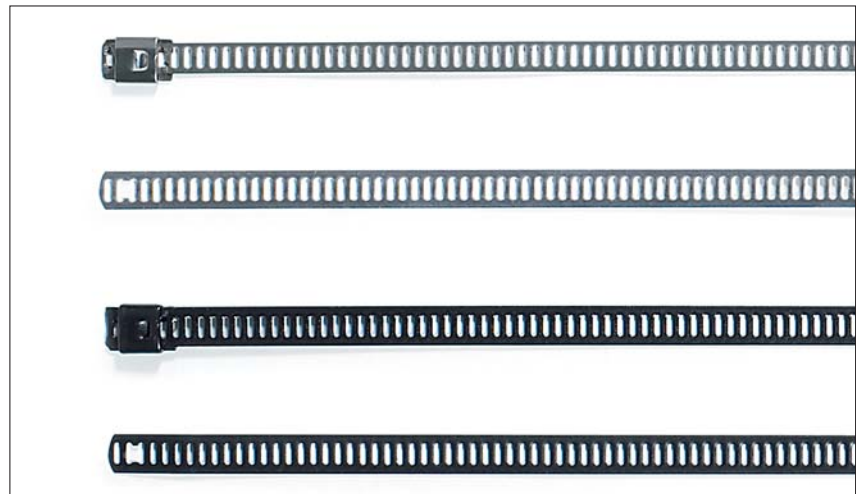


Cable Ties with Raster Locking

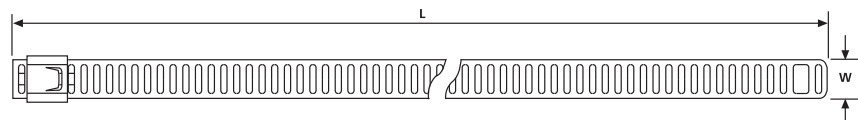
- MAT-Series
- MAT-C

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



Material Data	
Material	Stainless Steel Type SS316 (SS316), Polyester (SP)
Operating Temperature Tie	-80 °C to +538 °C
Operating Temperature Coating	-50 °C to +150 °C
Flammability	Non burning



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	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.



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Protective Channel for Stainless Steel Ties

• LFPC

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.

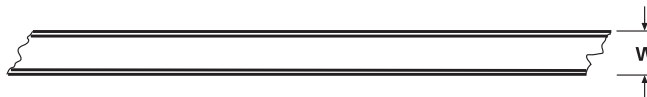
Application

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 (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)



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, 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.



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