

### M-Boss System, printer and cassette

#### Features and Benefits

Hellermann Tyton stainless steel (S316) markers are used to identify cables and pipes in all areas where severe environmental, mechanical or chemical conditions occur; e.g. offshore / petrochemical industry, shipbuilding, railways, and mining.

The 5mm high characters are marked with a computer driven stainless steel embossing machine. The M-BOSS Printer can emboss a maximum of 20 characters per marker every 15 seconds.

The M-BOSS Printer is easy to install and run, and is both quiet and clean. The electrically driven system can operate from an ordinary office power source; there is no need for an air supply. As the markers are embossed, there is no metal waste or metallic dust.

The M-BOSS Printer prints via PC or its own keyboard:

- The PC software allows you to create and save marking texts or import data from an excel file.
- The keyboard enables manual input of data. The onboard screen allows you to verify the required text before committing to print, simply press F10 to print.

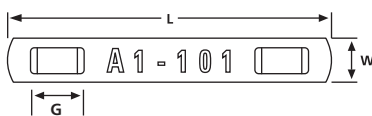
The supplied M-BOSS Cassette of 10 markers is palm sized. The cassette is used for marker production and can then be taken by installers to their place of work. The embossed marker can be "fanned out" from the magazine so enabling the installer to quickly identify which marked strip is needed. Use HellermannTyton metal cable ties up to 8mm wide to attach the markers.



The M-Boss System.

Material Data M-Boss Machine	
Power Supply	<b>Electrical</b>
Cycle Time	<b>15 sec. for 20 character tag</b>
Weight (Kg)	<b>approx. 87kg</b>
L x H x W	<b>700 x 420 x 830</b>

Material Data M-Boss Marker	
Material	<b>Stainless Steel Type SS316 (SS316)</b>
Chem. Material Properties	<b>Corrosion resistant, weather resistant, anti-magnetic. Outstanding chemical resistance to aggressive chemicals, e.g.: industrial vapours, seawater, salt spray in on- and offshore areas, inorganic and hydrochloric acid and halogen salts.</b>
Operating Temperature	<b>-80 °C to +538 °C</b>



#### Technical Table

Article-No.	Type	Width (W)	Length (L)	Strap Width max. (G)	Pack Cont.
540-10000	<b>M-Boss Printer</b>				-
540-10008	<b>MBC 10X60</b>	10	60	8	20 cassettes, 200 blank markers
540-10009	<b>MBC 10X80</b>	10	80	8	20 cassettes, 200 blank markers
540-10001	<b>MBC 10X100</b>	10	100	8	20 cassettes, 200 blank markers
540-10010	<b>MBC 14X100</b>	14	100	8	20 cassettes, 200 blank markers

All dimensions in mm. Subject to technical changes.

### M-Boss System, CombiPack

#### Features and Benefits

Time saving is the driving force behind this unique to market concept. Since the markers are easy to pick from the cassette, and as enough cable ties are supplied to fix the markers to the cable, the user has a quicker marker install time than before as everything is conveniently packed in the box.

#### Application

Ideal 'Kit' enabling users to have markers and cable ties in one handy container. Offered cable tie sizes are designed to meet 80% of known applications. 100 markers and 200 cable ties are supplied in each storage box.



The M-Boss System.



Fanned out markers show at a glance which marker to choose.



Easy to place - the pre-loaded M-Boss Cassette.

For more information on MBT stainless steel ties please refer to page 80.

Technical Table

Article-No.	Type	Width (W)	Length (L)	Pack Cont.
540-10022	MBC 10X60-MBT5S	10	60	100 blank marker strips + 200 MBT5S cable ties
540-10023	MBC 10X60-MBT8S	10	60	100 blank marker strips + 200 MBT8S cable ties
540-10024	MBC 10X60-MBT8H	10	60	100 blank marker strips + 200 MBT8H cable ties
540-10019	MBC 10X80-MBT5S	10	80	100 blank marker strips + 200 MBT5S cable ties
540-10020	MBC 10X80-MBT8S	10	80	100 blank marker strips + 200 MBT8S cable ties
540-10021	MBC 10X80-MBT8H	10	80	100 blank marker strips + 200 MBT8H cable ties
540-10016	MBC 10X100-MBT5S	10	100	100 blank marker strips + 200 MBT5S cable ties
540-10017	MBC 10X100-MBT8S	10	100	100 blank marker strips + 200 MBT8S cable ties
540-10018	MBC 10X100-MBT8H	10	100	100 blank marker strips + 200 MBT8H cable ties
540-10025	MBC 14X100-MBT5S	14	100	100 blank marker strips + 200 MBT5S cable ties
540-10026	MBC 14X100-MBT8S	14	100	100 blank marker strips + 200 MBT8S cable ties
540-10027	MBC 14X100-MBT8H	14	100	100 blank marker strips + 200 MBT8H cable ties

All dimensions in mm. Subject to technical changes.

### Hellermark stainless steel marking, manual

#### Features and Benefits

Hellermark stainless steel embossed marker tiles are designed for use in harsh and hazardous conditions. Hellermark is manufactured from grade 316 stainless steel which makes it ideal for use in aggressive environments.

With Hellermark SSM, it is possible to combine SSC sign carriers, SSM individual marker tiles and SSCP end clips into simple, individual markings. The sign carriers can take from 5 to 45 individual marker tiles, depending on their length.

Simply snap the required markers into the stainless steel carriers (SSC range) and then lock the markers in place with a carrier end plug (SSCP).

The carriers are easily fastened using their own MBT or MAT series stainless steel cable ties with a size of up to 8mm wide.

Alternatively, the two 3mm holes on the carrier plate can be used for fixing by means of screws or rivets.



Hellermark SSM.

Technical Table

Article-No.	Type	Width (W)	Length (L)	Marker tiles per carrier	Pack Cont.
540-02010	SSCP	–	–	–	100
540-01046	SSC46	11	46	5	10
540-01056	SSC56	11	56	7	10
540-01082	SSC82	11	82	11	10
540-01106	SSC106	11	106	15	10
540-01134	SSC134	11	134	20	10
540-01286	SSC286	11	286	45	10

All dimensions in mm. Subject to technical changes.

Technical Table

Article-No.	Marking Text	Type	Pack Cont.
540-01600	0	SSM	200
540-01610	1	SSM	200
540-01620	2	SSM	200
540-01630	3	SSM	200
540-01640	4	SSM	200
540-01650	5	SSM	200
540-01660	6	SSM	200
540-01670	7	SSM	200
540-01680	8	SSM	200
540-01690	9	SSM	200
540-01700	+	SSM	200
540-01710	-	SSM	200
540-01730	Earth Symbol	SSM	200
540-01701	.	SSM	200
540-01702	,	SSM	200
540-01703	–	SSM	200
540-01704	&	SSM	200
540-01705	*	SSM	200
540-01706*	)	SSM	200
540-01707	;	SSM	200
540-01708*	>	SSM	200
540-01709	#	SSM	200
540-01711	@	SSM	200
540-01712	=	SSM	200
540-01713	~	SSM	200
540-01714	–	SSM	200
540-01720*	/	SSM	200

\* These symbols can also be used when rotated by 180°.

Technical Table

Article-No.	Marking Text	Type	Pack Cont.
540-01010	A	SSM	200
540-01020	B	SSM	200
540-01030	C	SSM	200
540-01040	D	SSM	200
540-01050	E	SSM	200
540-01060	F	SSM	200
540-01070	G	SSM	200
540-01080	H	SSM	200
540-01090	I	SSM	200
540-01100	J	SSM	200
540-01110	K	SSM	200
540-01120	L	SSM	200
540-01130	M	SSM	200
540-01140	N	SSM	200
540-01150	O	SSM	200
540-01160	P	SSM	200
540-01170	Q	SSM	200
540-01180	R	SSM	200
540-01190	S	SSM	200
540-01200	T	SSM	200
540-01210	U	SSM	200
540-01220	V	SSM	200
540-01230	W	SSM	200
540-01240	X	SSM	200
540-01250	Y	SSM	200
540-01260	Z	SSM	200

### Helatag 321, 840 protective laminate labels for very special requirements

#### Features and Benefits

This range of adhesive transparent label protector laminates is used where additional protection against aggressive chemical, high temperature or ultraviolet light conditions is required.



Helatag protective laminates.

Material Data	
Material	<b>Type 840, Polyester, transparent (CL)</b>
Operating Temperature	<b>-40 °C to +150 °C</b>
Curing Temperature	<b>from +5 °C</b>
Adhesive	<b>Acrylic</b>
Thickness of Foil (TF)	<b>23</b>
Chem. Material Properties	<b>excellent resistance against alcohol, petrol, solvents, butanol, etyl- and butylcellosolve solvents, battery acid</b>

Material Data	
Material	<b>Type 321, Polyvinylfluoride Tedlar®, transparent (CL)</b>
Operating Temperature	<b>-40 °C to +130 °C</b>
Curing Temperature	<b>From +10 °C</b>
Adhesive	<b>Acrylic</b>
Thickness of Foil (TF)	<b>25</b>
Chem. Material Properties	<b>excellent resistance against alcohol, solvents on petroleum bases, ester and ketone. Special resistance against UV radiation</b>

Technical Table							
Article-No.	Type	Colour	Width (W)	Height (H)	Width of Liner (WL)	Labels per Row	Pack Cont.
Thermal Transfer - Protecting Laminating , Material 321							
596-23321	<b>TAG0623TL3-321-CL</b>	Transparent (CL)	27.94	11.43	101.60	3	5000
596-25321	<b>TAG1325TL3-321-CL</b>	Transparent (CL)	30.48	17.78	101.60	3	5000
596-38321	<b>TAG0638TL2-321-CL</b>	Transparent (CL)	43.18	11.43	94.90	2	5000
596-51321	<b>TAG1351TL1-321-CL</b>	Transparent (CL)	55.88	17.78	62.0	1	2000
596-52321	<b>TAG2551TL1-321-CL</b>	Transparent (CL)	55.88	30.48	62.0	1	1000
596-63321	<b>TAG3863TL1-321-CL</b>	Transparent (CL)	68.58	43.18	75.0	1	1000

All dimensions in mm. Subject to technical changes.

Technical Table							
Article-No.	Type	Colour	Width (W)	Height (H)	Width of Liner (WL)	Labels per Row	Pack Cont.
Thermal Transfer - Self Laminating Labels, Material 840							
596-23840	<b>TAG0623TL3-840-CL</b>	Transparent (CL)	27.94	11.43	101.60	3	5000
596-25840	<b>TAG1325TL3-840-CL</b>	Transparent (CL)	30.48	17.78	101.60	3	5000
596-38840	<b>TAG0638TL2-840-CL</b>	Transparent (CL)	43.18	11.43	94.90	2	5000
596-51840	<b>TAG1351TL1-840-CL</b>	Transparent (CL)	55.88	17.78	62.0	1	2000
596-52840	<b>TAG2551TL1-840-CL</b>	Transparent (CL)	55.88	30.48	62.0	1	1000
596-63840	<b>TAG3863TL1-840-CL</b>	Transparent (CL)	68.58	43.18	75.0	1	1000

All dimensions in mm. Subject to technical changes.