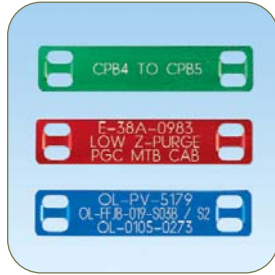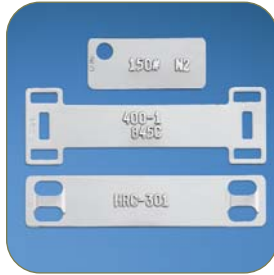# PERMANENT IDENTIFICATION

Panduit offers the widest range of permanent identification solutions in the industry to withstand the test of time and provide legibility in harsh environments. Safe, quick, and easy to install, Panduit permanent identification solutions include stainless steel and aluminum marker plates, tags, marking tools and ties to deliver improved productivity and workplace safety.

- **Factory Custom Marking Service creates embossed or laser etched metal plates, tags, and ties to speed installation time and reduce labor costs**
- **Portable on-site marking tools for quick and easy identification on demand**
- **Large identification selection delivers maximum design flexibility to match your specific application requirements**
- **Optimized for easy use with Panduit self-locking stainless steel and aluminum ties; for details, refer to Pan-Steel® System Section B3**

Panduit continues to design permanent identification products for harsh environments by addressing customer problems with innovative solutions and reliable tooling to achieve lowest installed cost.

Panduit Factory Custom Marking Service

Panduit factory custom marking service simplifies identification with high quality, made-to-order custom embossed marker plates and tags or laser etched cable ties, marker plates, and tags. Panduit offers rapid direct shipment with fast turn around on custom marking orders worldwide. Work with Panduit to create an effectively identified workplace.
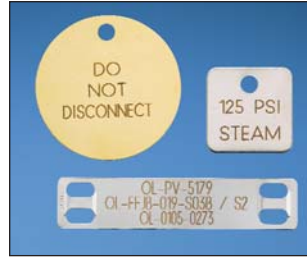
EMBOSSING SERVICE
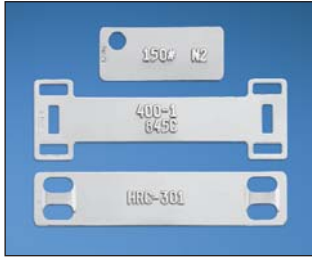
- Used on rectangular metal marker plates and tags which are a maximum of .020 inches (.5mm) thick and minimum .38 inches (10mm) width
- Excellent for applications that are exposed to dirt and paint
- Upper case "raised" character
- Alphanumeric and sequential numbering

Online form!

To select and order custom laser and embossed marker plates and tags:

Use on-line order form (C2-0677) at www.panduit.com/permanentID to select the proper marker plate or tag for your application. Email order form to your Authorized Panduit Distributor for order placement or contact Panduit Customer Service for assistance.

LASER MARKING SERVICE

- Used on all metal marker plates, tags, and cable ties
- BOLD block letters
- Upper and lower case character capability
- Ability to create text and graphics
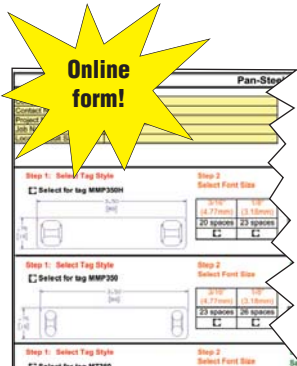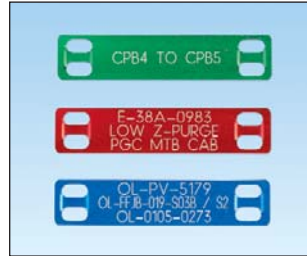- Alphanumeric and sequential numbering

Character sizes available:
1/8 inches (3.18mm) – For high character volume tags
3/16 inches (4.77mm) – The most common size
1/4 inches (6.35mm) – Larger font for greater flexibility
5/16 inches (7.94mm) – Maximum visibility for tags requiring only a few characters.

Panduit offers a full line of labeling products, software and printers to assist you with your labeling requirements.

See pages E1.0 – E2.30.

Panduit permanent identification products are optimized for easy use with Panduit self-locking stainless steel and aluminum ties. For details, refer to Pan-Steel® System Section B3.

## Stainless Steel and Brass Marker Plates and Tags

- Provides permanent identification of pipes, conduit, valves, cables and equipment in harsh environments
- Designed for use with Panduit® Pan-Steel® Stainless Steel Cable Ties for fast installation at lowest installed cost
- All marker plates/tags can be embossed or laser etched with Panduit Factory Custom Marking Service
- For on-site custom marking see page E4.6
- Designated plates feature easy feed design with a raised slot to simplify cable tie installation and improve productivity

MMP350-C
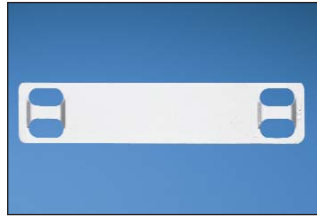
MMP350H-C
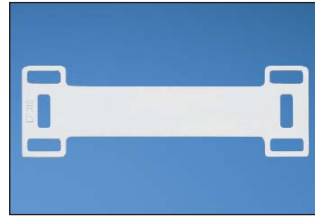
MMP350DB-C

MMP350W38-C

MMP172-C

MMP172W38-C

MMP350W17-Q

Part Number	Material	Color	Length/Diameter In.	Length/Diameter mm	Width In.	Width mm	Custom Marking Parameters* Max. 3/16" (4.77mm) Character Per Line	Custom Marking Parameters* Max. Lines of Text	Used with Pan-Steel® Cable Ties**	Thickness In.	Thickness mm	Std. Pkg. Qty.	Std. Ctn. Qty.
MMP350-C‡	304 Stainless Steel	Natural	3.50	89.0	0.75	19.0	23	3	MLT-S	0.010	0.25	100	1000
MMP350-C316‡	316 Stainless Steel	Natural	3.50	89.0	0.75	19.0	23	3	MLT-S	0.010	0.25	100	1000
MMP350H-C‡	304 Stainless Steel	Natural	3.50	89.0	0.75	19.0	20	3	MLT-H	0.010	0.25	100	1000
MMP350H-C316‡	316 Stainless Steel	Natural	3.50	89.0	0.75	19.0	20	3	MLT-H	0.010	0.25	100	1000
MMP350DB-C‡	304 Stainless Steel	Natural	3.50	89.0	1.12	29.0	20	3	MLT-H	0.015	0.38	100	1000
MMP350DB-C316‡	316 Stainless Steel	Natural	3.50	89.0	1.12	29.0	20	3	MLT-H	0.015	0.38	100	1000
MMP350W38-C‡	304 Stainless Steel	Natural	3.50	89.0	0.38	10.0	23	1	MLT-S	0.010	0.25	100	1000
MMP350W38-C316‡	316 Stainless Steel	Natural	3.50	89.0	0.38	10.0	23	1	MLT-S	0.010	0.25	100	1000
MMP172-C‡	304 Stainless Steel	Natural	1.72	44.0	0.75	19.0	8	3	MLT-S	0.010	0.25	100	1000
MMP172-C316‡	316 Stainless Steel	Natural	1.72	44.0	0.75	19.0	8	3	MLT-S	0.010	0.25	100	1000
MMP172W38-C‡	304 Stainless Steel	Natural	1.72	44.0	0.38	10.0	8	1	MLT-S	0.010	0.25	100	1000
MMP172W38-C316‡	316 Stainless Steel	Natural	1.72	44.0	0.38	10.0	8	1	MLT-S	0.010	0.25	100	1000
MMP350W17-Q	304 Stainless Steel	Natural	3.50	89.0	1.73	44.0	23	6	MLT-S	0.015	0.38	25	250

*See page E4.2 for Panduit Factory Custom Marking Service information.
**See pages B3.5 – B3.7 for Pan-Steel® Stainless Steel Cable Ties.
‡Easy feed marker plate with raised cable tie slot.

For technical assistance in the U.S., call 866-405-6654 (outside the U.S., see inside back cover for directory)

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties
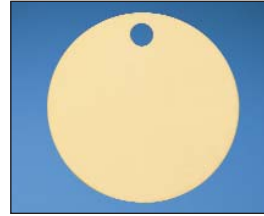
C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index

Stainless Steel and Brass Marker Plates and Tags (continued)

| | MT350-C | | MT350W17-Q | | MT172-C | | MT172W38-C |

MT350-C   MT350W17-Q   MT172-C   MT172W38-C

MTB1D-Q   MTB150D-Q   MTB213D-Q   MT125S-Q

Part Number	Material	Color	Length/Diameter In.	mm	Width In.	mm	Max. 3/16" (4.77mm) Character Per Line	Max. Lines of Text	Used with Pan-Steel® Cable Ties**	Thickness In.	mm	Std. Pkg. Qty.	Std. Ctn. Qty.
MT350-C	304 Stainless Steel	Natural	3.50	89.0	0.75	19.0	26	3	MLT-S	0.010	0.25	100	1000
MT350-C316	316 Stainless Steel	Natural	3.50	89.0	0.75	19.0	26	3	MLT-S	0.010	0.25	100	1000
MT350W17-Q	304 Stainless Steel	Natural	3.50	89.0	1.73	44.0	26	6	MLT-S	0.015	0.38	25	250
MT172-C	304 Stainless Steel	Natural	1.72	44.0	0.75	19.0	10	3	MLT-S	0.010	0.25	100	1000
MT172-C316	316 Stainless Steel	Natural	1.72	44.0	0.75	19.0	10	3	MLT-S	0.010	0.25	100	1000
MT172W38-C	304 Stainless Steel	Natural	1.72	44.0	0.38	10.0	10	1	MLT-S	0.010	0.25	100	1000
MT1D-Q	304 Stainless Steel	Natural	—	—	1.00 circular	25.0	5	1	MLT-S	0.035	0.89	25	250
MT1D-Q316	316 Stainless Steel	Natural	—	—	1.00 circular	25.0	5	1	MLT-S	0.035	0.89	25	250
MTB1D-Q	Brass	Brass	—	—	1.00 circular	25.0	5	1	MLT-S	0.040	1.02	25	250
MT150D-Q	304 Stainless Steel	Natural	—	—	1.50 circular	38.0	5, 6, 5	3	MLT-S	0.035	0.89	25	250
MT150D-Q316	316 Stainless Steel	Natural	—	—	1.50 circular	38.0	5, 6, 5	3	MLT-S	0.035	0.89	25	250
MTB150D-Q	Brass	Brass	—	—	1.50 circular	38.0	5, 6, 5	3	MLT-S	0.040	1.02	25	250
MT213D-Q	304 Stainless Steel	Natural	—	—	2.13 circular	54.0	6, 12, 8	3	MLT-S	0.015	0.38	25	250
MT213D-Q316	316 Stainless Steel	Natural	—	—	2.13 circular	54.0	6, 12, 8	3	MLT-S	0.015	0.38	25	250
MTB213D-Q	Brass	Brass	—	—	2.13 circular	54.0	6, 12, 8	3	MLT-S	0.015	0.38	25	250
MT125S-Q	304 Stainless Steel	Natural	1.25 square	32.0	1.25 square	32.0	5	2	MLT-S	0.035	0.89	25	250

*See page E4.2 for Panduit Factory Custom Marking Service information.
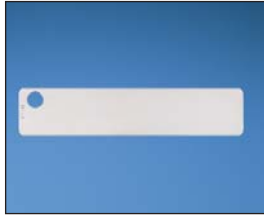**See pages B3.5 – B3.7 for Pan-Steel® Stainless Steel Cable Ties.

Aluminum Marker Plates – Pan-Alum™ MMP Series

- Lightweight, aluminum construction for flexibility and ease of handling
- Five color options in addition to natural aluminum provide quick visual identification, ideal for applications requiring color-coding
- Easy feed marker plate design includes a raised slot to simplify cable tie installation and improve productivity
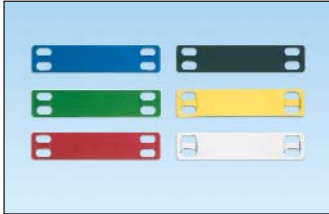
Part Number	Material	Color	Length		Width		Custom Marking Parameters**		Used with Pan-Alum™ Cable Ties	Std. Pkg. Qty.	Std. Ctn. Qty.
							Max. 3/16" (4.77mm) Characters per Line	Max. Lines			
			In.	mm	In.	mm					
MMP350H-CALBU	Anodized Aluminum	Blue	3.50	89.0	0.75	19.0	20	3	MLT1H-LPAL* MLT2H-LPAL* and MLT4H-LPAL*	100	1000
MMP350H-CALGR		Green								100	1000
MMP350H-CALRD		Red								100	1000
MMP350H-CALBL		Black								100	1000
MMP350H-CALYL		Yellow								100	1000
MMP350H-CAL	Aluminum	Natural								100	1000

*See Pan-Alum™ Aluminum Ties on page B3.10 for matching natural finish and five colors.
**See page, E4.2 for Panduit Factory Custom Marking Service.

NEW! Metal Embossing Hand Tool and Tape System

- New multi-functional cutting die design creates embossed marker plates with raised cable tie slot in one step instead of three, for faster installation
- Lightweight, compact and portable, allows user to create custom length identification on demand at remote job sites
- Embosses 3/16" characters onto stainless steel or aluminum tape, to improve visibility in applications that are subjected to dirt or paint

Part Number	Part Description	Std. Pkg. Qty.
Tool Kit		
MEHT187	Includes tool, additional marking wheel, carrying case, one roll each META (aluminum) and METS (stainless steel) tape. Characters included: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 / ( )	1
Tape		
META-X	.50" x 16' (12.7mm x 4.9m) aluminum tape*.	10
METS3-X	.50" x 21' (12.7mm x 6.4m) 316 grade stainless steel tape.	10
METS4-X	.50" x 21' (12.7mm x 6.4m) 304 grade stainless steel tape.	10

*Aluminum ties are recommended for use with aluminum tape to prevent galvanic reaction (corrosion that can occur between stainless steel and aluminum in certain environments).

CIRCUIT 264

Metal Indenting Machine

- Provides quick, easy, and permanent identification with Panduit® Pan-Alum™ Marker Plates and Cable Ties and Pan-Steel® Stainless Steel Marker Plates, Tags, Cable Ties and Straps
- Automatic table indexing advances material forward for convenience and improved productivity
- New, improved design features aluminum base and durable construction

Part Number	Part Description	Std. Pkg. Qty.
Indenting Machine		
MIM094	Indenting machine with 3/32" (2.38mm) character wheel.	1
MIM125	Indenting machine with 1/8" (3.18mm) character wheel.	1
MIM187	Indenting machine with 3/16" (4.77mm) character wheel.	1
Interchangeable Wheel Kits		
MIW094	3/32" (2.38mm) character wheel kit (wheel and indexing gear).	1
MIW125	1/8" (3.18mm) character wheel kit (wheel and indexing gear).	1
MIW187	3/16" (4.77mm) character wheel kit (wheel and indexing gear).	1

NEW! ## Portable Embossing System*

- Easily moved from jobsite to jobsite to deliver a permanent identification solution where it's needed, when it's needed
- Creates raised characters on stainless steel and aluminum marker plates, to deliver maximum visibility for medium to high volume applications that are exposed to dirt and paint
- Improves productivity by providing a reliable connection from the embossing machine to your PC using Easy-Mark™ Software
- Easy-Mark™ Software allows for a quick print legend and exact preview saving time and reducing print costs
- Easy loading hopper allows for easy stacking of up to 200 plates, saving time and money

Part Number	Part Description	Std. Pkg. Qty.
PES197*	Portable embossing system 3/16" (4.77mm) character, 11.5" (292mm) x 21.0" (534mm) x 19.0" (483mm), 95 lbs. (43 kg), 115 volt, 60 Hz with Easy-Mark™ Software.	1

Characters include: ABCD...Z, 0123...9, ! @ # $ % & * ( ) - + = : " ' . / ?
*For use with 1000 pack marker plates only.
System Requirements: Designed for Windows^ 98, Windows MS, Windows 2000, Windows NT 4.x, Windows XP, Windows Vista 64 MB hard drive space, and 64 MB RAM (256 MB RAM recommended). Female DB9 serial communication port.
^Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

Part Number	Material	Color	Length/Diameter In.	Length/Diameter mm	Width In.	Width mm	Max. 3/16" (4.77mm) Character Per Line	Thickness In.	Thickness mm	Std. Pkg. Qty.	Std. Ctn. Qty.
Pan-Steel® Marker Plates											
MMP350-M	304 Stainless Steel	Natural	3.50	89	0.75	19	18	0.010	0.25	1000	4000
MMP350-M316	316 Stainless Steel						18			1000	4000
MMP350H-M	304 Stainless Steel									1000	4000
MMP350H-M316	316 Stainless Steel									1000	4000
MMP350H-MALBU	Anodized Aluminum	Blue					16			1000	4000
MMP350H-MALGR		Green								1000	4000
MMP350H-MALRD		Red								1000	4000
MMP350H-MALBL		Black								1000	4000
MMP350H-MALYL		Yellow								1000	4000
MMP350H-MAL	Aluminum	Natural								1000	4000
MMP350HW54-MAL					0.54	13.7		0.012	0.30	1000	4000
MMP350W38-M	304 Stainless Steel				0.38	10	18	0.010	0.25	1000	4000
MMP350W38-M316	316 Stainless Steel									1000	4000

Order number of pieces required, in multiples of Standard Package Quantity.   Prime items appear in **BOLD**.