

## Stainless Steel Markers, Plates and Tags

expressMARK SSM stainless steel markers are designed to meet the requirements of the most hostile environments.

All products are delivered to you through a dedicated service to meet your marking requirements and ensure prompt turnaround. Simply email your data to us and we shall provide you with an order confirmation and due date for delivery.

Any instruction for packing of your markers, can be advised allowing us to identify if you require dispatched by set, batch, field area alpha or numerical order. This leads to ease of pickability and improved productivity at your site as markers will be catalogued in an organised fashion.



### Laser Marking Capabilities

- BOLD block letters
- Upper & lower case characters
- True Type fonts
- Data-matrix and barcoding
- Logos and graphics
- Multiple lines of text
- Varying font sizes and styles on individual marker
- Single / one-off tags for adds, mods, changes
- Alphanumeric and sequential numbering ability

**Laser Mark Test Results** - All markers tested were laser marked with a CO2 laser at 600dpi

Test Solution	1 Hour	12 Hours	24 Hours	168 Hours
<b>Organic</b>				
Gasoline	No effect	No effect	No effect	No effect
Limonene	No effect	No effect	No effect	No effect
Methyl Ethyl	No effect	No effect	No effect	No effect
N-Butanol	No effect	No effect	No effect	No effect
Mineral Spirits	No effect	No effect	No effect	No effect
Xylene	No effect	No effect	No effect	No effect
Acetone	No effect	No effect	No effect	No effect
Propylene	No effect	No effect	No effect	No effect
Ethanol	No effect	No effect	No effect	No effect
DMSO	No effect	No effect	No effect	No effect
Motor Oil	No effect	No effect	No effect	No effect
<b>Acid / Bases</b>				
Hydrochloric Acid	No effect	No effect	* note1	No effect
Nitric Acid (68%)	No effect	No effect	No effect	No effect
Sulphuric Acid (conc.)	No effect	No effect	No effect	No effect
Acetic Acid (99.5%)	No effect	No effect	No effect	** note 2
Hydrogen Peroxide (30%)	No effect	No effect	No effect	No effect
Sodium Hydroxide (25%)	No effect	No effect	No effect	No effect
Ammonium Hydroxide (20%)	No effect	No effect	No effect	No effect

\*Acid dissolves steel tag and test was not run over 12 hours

After 1 hour acid dissolved 0.2767gms off of steel tag (4.7%) - no effect to mark

After 12 hours acid dissolved 1.8057gms off of steel tag (30.6%) - no effect to mark

\*\*Acid discolours after approximately 96 hours - mark appears slightly discoloured

Material	<b>SS304 &amp; SS316 Grade</b>
Colour	<b>Metallic with black mark</b>
Operating Temperature	<b>-80 °C to +538°C</b>
Mark Permanence	<b>Legible after 50 rubs (SAE AS81531 4.6.2)</b>
	<b>Legible after 30 strokes (MIL-STD-202F M.215J)</b>
Test Method	<b>Markers were totally immersed in the test solutions and results recorded as per table.</b>

### Ordering Information for our standard product range shown opposite

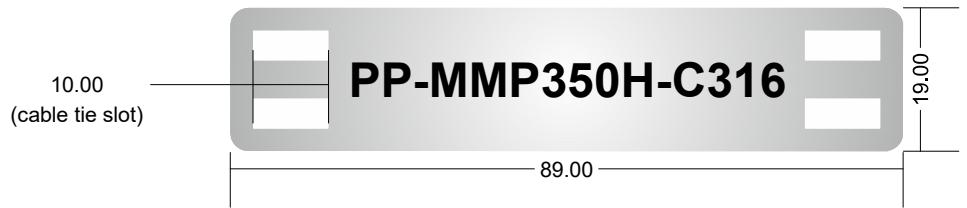
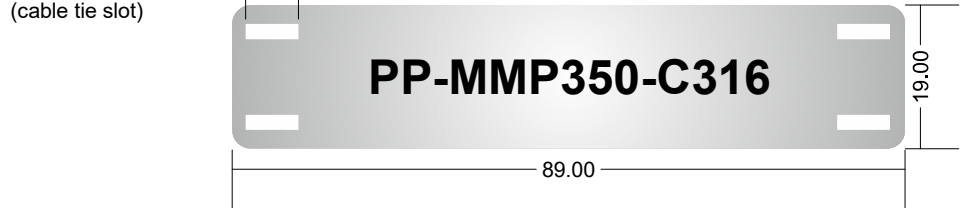
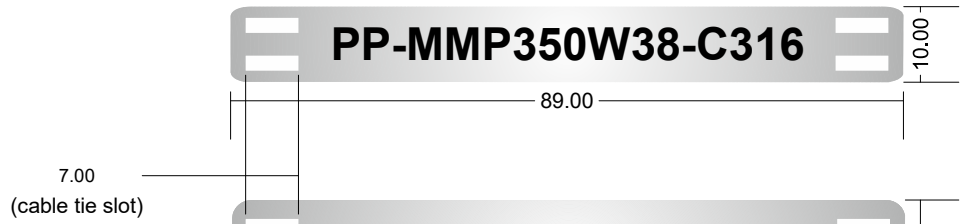
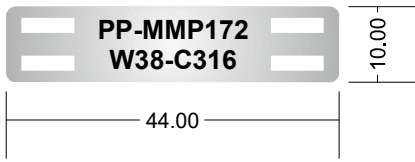
Part Number	Length (mm)	Width (mm)	Thickness (mm)	Material Grade
<b>PP-MMP350-C316*</b>	89.00	19.00	0.25	SS 316
<b>PP-MMP350H-C316*</b>	89.00	19.00	0.25	SS 316
<b>PP-MMP350W38-C316*</b>	89.00	10.00	0.25	SS 316
<b>PP-MMP172W38-C316*</b>	44.00	10.00	0.25	SS 316
<b>PP-MT350W38-C316</b>	89.00	10.00	0.25	SS 316
<b>PP-MT172-C316</b>	44.00	19.00	0.25	SS 316
<b>PP-MMP350W17-Q</b>	89.00	44.00	0.38	SS 304
<b>PP-MT1D-Q</b>	25.00	diameter	0.89	SS 304
<b>PP-PM09512</b>	95.00	12.00	0.89	SS 316
<b>PP-PM07507</b>	75.00	7.00	0.89	SS 316



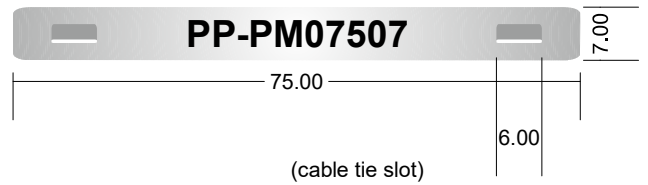
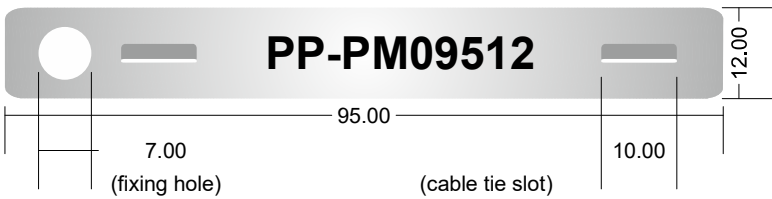
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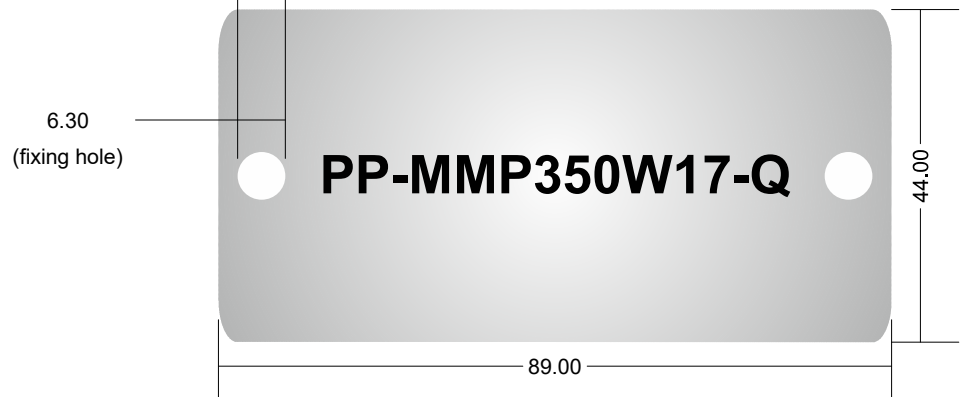
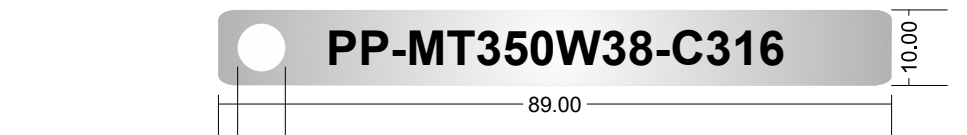
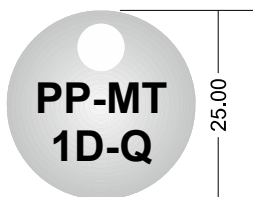
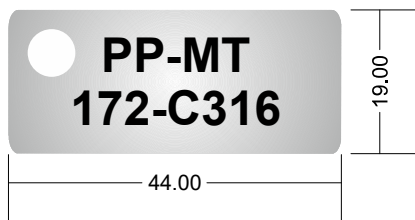
## Stainless Steel “tie-on” Cable Markers



## Stainless Steel “Raised Shoulder” Cable Markers



## Stainless Steel Tags, Disc and Marker Plate (complete with 6.3mm fixing holes)



## Stainless Steel Cutting & Marking Services

Stainless steel plates designed by you and manufactured by us.

Our CNC laser delivers an unrivalled service in custom plate manufacturing.

We laser cut material up to 3mm thick in a choice of materials and finishes.

Radius corners, fixing holes, switch and lamp openings can all be achieved with ease.

A complete solution in stainless steel, from one-off plates to large scale projects.

All services are delivered in-house giving us complete flexibility to meet your demands.



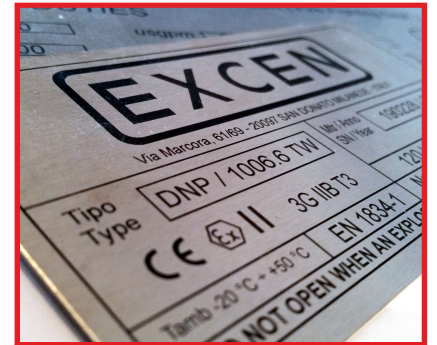
### Laser cutting

- Any size! Any shape!
- Metal, wood or plastic
- Up to 3mm thick stainless steel cutting capabilities
- SS316 and SS304 grades as standard
- Brushed, matt and polished finishes
- Hole punching options available



### Laser marking

- BOLD block letters, upper & lower case characters
- True Type fonts in single or multiple lines of text
- Data-matrix, barcoding, borders, logos and graphics
- Variable font styles and sizes on the same plate
- Single / one-off tags for adds, mods, changes
- Alphanumeric and sequential numbering ability



### Part marking service

- Have stainless parts that simply need marked. Send us the parts and we'll mark them

**e** xpressMARK offer a part marking service  
**a** ny size, any shape, any thickness  
**s** imple, quick response time and all hassle free  
**y** ou send us the parts, we mark them - **easy!**



### Mechanical engraving & paint filling

- In-house capability with no minimum order quantity
- Option to combine laser marking and engraved paint filling

### Laser marked stainless steel cable ties

We laser mark directly on to stainless steel cable ties.

A solution for weight or space saving where identification is required.

The tie can double as a fixing and marking solution in one.



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