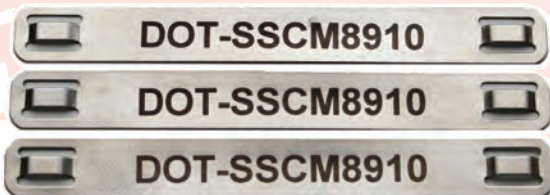# DOT-SSCM Stainless Steel Cable Markers

The range of DOT-SSCM Stainless Steel Cable Markers and DOT-SSDT Stainless Steel Dog Tags offer the following features and benefits:

- Labels laser engraved to order - any quantity
- Permanent black text when laser engraved
- All standard stock high quality 316 stainless steel
- Blank labels ex-stock available for immediate dispatch for on-site laser engraving

Part No	Description	Dimensions	MOQ
DOT-LESSCM8910	Laser Engraved Stainless Steel Cable Marker	89mm x 10mm	No MOQ
DOT-LESSCM8919	Laser Engraved Stainless Steel Cable Marker	89mm x 19mm	No MOQ
DOT-LESSDT26	Laser Engraved Stainless Steel Dog Tag	26mm + 5mm hole	No MOQ
DOT-LESSDT38	Laser Engraved Stainless Steel Dog Tag	38mm + 5mm hole	No MOQ
DOT-SSCM8910	Stainless Steel Cable Marker	89mm x 10mm	Pack of 100
DOT-SSCM8919	Stainless Steel Cable Marker	89mm x 19mm	Pack of 100
DOT-SSDT26	Stainless Steel Dog Tag	26mm + 5mm hole	Pack of 100
DOT-SSDT38	Stainless Steel Dog Tag	38mm + 5mm hole	Pack of 100

Physical Testing of Laser Engraved Stainless Steel

Stainless steel tags were totally immersed in the following test solutions using a 35 watt Laser Engraving Machine set at 100% power, 12% speed, 500 DPI and LMM-6000 Laser Engraving Paste.

Organic Solvents	1 Hour	12 Hours	24 Hours	1 Week
Gasoline	No effect	No effect	No effect	No effect
Limonene	No effect	No effect	No effect	No effect
Methyl Ethyl Ketone	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 Carbonate	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
Acid / Bases				
Hydrochloric Acid 35%	No effect	No effect	Test stopped - see notes	
Nitric Acid 68%	No effect	No effect	No effect	No effect
Sulfuric Acid (conc.)	No effect	No effect	No effect	No effect
Acetic Acid 99.5%	No effect	No effect	No effect	No effect
Hydrogrn 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

Other Testing

Boiling H_2O
Marks soaked in boiling water for 1 hour - no effect

LN^2 (Cold) Marks dipped in liquid nitrogen - no effect

Flame (Hot)
Marks heated in a propane flame until cherry red - metal discolours, no effect on mark.

Hot / Cold Cycling
Marks heated red hot and immediately plunged in liquid nitrogen - metal discolours, no effect on mark

Hydrochloric Acid Testing:
- Acid dissolves the steel tag and was not run over 12 hours long
- After 1 hour acid dissolved 0.2767 grams off of steel tag 4.7%), laser mark was unaffected
- After 12 hours acid dissolved 1.8057 grams off of steel tag (30.6%), laser mark was unaffected, now having a distinctly raised feel

Sulfuric Acid Testing:
- Acid discolours at approximately 96 hours, mark appears to be slightly discoloured

DOT-ESSCM Embossed Stainless Steel Cable Markers

Material: 316 stainless steel

Text: Pre-embossed multi-character markers

Fixing Method: Stainless steel cable ties - see Page 27

Part No	Description	Dimensions
DOT-ESSCM47	Embossed Stainless Steel Cable Marker	47mm x 10.3mm
DOT-ESSCM65	Embossed Stainless Steel Cable Marker	65mm x 10.3mm
DOT-ESSCM87	Embossed Stainless Steel Cable Marker	87mm x 10.3mm
DOT-ESSCM109	Embossed Stainless Steel Cable Marker	109mm x 10.3mm
DOT-ESSCM128	Embossed Stainless Steel Cable Marker	128mm x 10.3mm

DOT-MSSCM Manual Stainless Steel Cable Markers

Material: 316 stainless steel

Text: Embossed single character markers

Standard Legends:
A-Z, 0-9, Å, A, O, +, -, /, ., earth

Fixing Method: Stainless steel cable ties - see Page 27

Part No	Description	Dimensions	Pack Quantity
DOT-MSSCM-*	Single Character Marker	10.9mm x 5.5mm	100
DOT-MSSCS47	Carrier strip max 6 digits	47mm x 10.3mm	100
DOT-MSSCS65	Carrier strip max 9 digits	65mm x 10.3mm	100
DOT-MSSCS87	Carrier strip max 13 digits	87mm x 10.3mm	100
DOT-MSSCS109	Carrier strip max 17 digits	109mm x 10.3mm	100
DOT-MSSCS128	Carrier strip max 20 digits	128mm x 10.3mm	100

* Denotes character required i.e. if letter 'A' required then order DOT-MSSCM-A

Email: sales@DOTgroup.net   Tel: +44 (0)1582 703 703