



R-Loc[®]

One Stop Solution for all Clamping Requirements....



ABS

Lloyd's Register



Great North Technologies Incorporated

www.greatnorthtech.com / customerservice@greatnorthtech.com

Customer Service; 514-620-3724 / **Fax;** 514-620-3086 / **Sales;** 514-575-8044
 623 – 3484 Sources Boulevard, Dollard Des Ormeaux, Québec H9B 1Z9 Canada

R-LOC® Heritage

Signals

Telecom

Sub-Sea

Utilities

Power Gen

Oil & Gas



Shipping & Cargo



Transportation



Military




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Alpha Numeric Identification Systems

Alpha Numeric Characters for (ID) Carrier Strips & Ties								
Material Grade SS316		Dimensions (mm)			Material Grade SS316			
		Length	Width	Height				
Part No.	Description	10	8	4	Part No.	Description		
RT A	Letter; A				RT W	Letter; W		
RT B	Letter; B				RT X	Letter; X		
RT C	Letter; C				RT Y	Letter; Y		
RT D	Letter; D				RT Z	Letter; Z		
RT E	Letter; E				RT 1	Number; 1		
RT F	Letter; F				RT 2	Number; 2		
RT G	Letter; G				RT 3	Number; 3		
RT H	Letter; H				RT 4	Number; 4		
RT I	Letter; I				RT 5	Number; 5		
RT J	Letter; J				RT 6	Number; 6		
RT K	Letter; K				RT 7	Number; 7		
RT L	Letter; L				RT 8	Number; 8		
RT M	Letter; M				RT 9	Number; 9		
RT N	Letter; N				RT 0	Number; 0		
RT O	Letter; O				RT	Blank		
RT P	Letter; P				RT +	Symbol; +		
RT Q	Letter; Q	RT -	Symbol; -					
RT R	Letter; R	RT ~	Symbol; ~					
RT S	Letter; S	RT ->	Symbol; ->					
RT T	Letter; T	RT /	Symbol; /					
RT U	Letter; U	RT &	Symbol; &					
RT V	Letter; V	RT ±	Symbol; ±					
100 pcs per Bag								

Features:

- 316 Stainless Steel
- Easy to read in dim light and constricted spaces
- Availability of complete range of letters, numbers and characters
- Can be used by sliding directly on to “Ball Lock” cable ties
- Easy installation of Carrier Strips with “Ball Lock” cable ties

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Carrier Strips and Marker Tags

Features:

- Easy Identification of Pipes, Conduit, Valves, Cables and Equipment
- Used in Oil & Gas, Refineries, Mills, Offshore Rigs and all Harsh environments
- Easy installation of carrier strips with “Ball Lock” cable ties

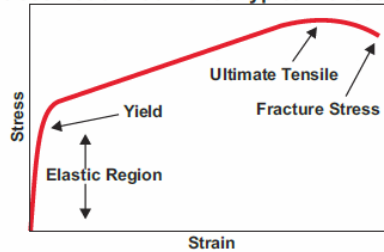
Carrier Strips							
Part No.	Material Grade	Dimensions			Max Number of (RT) Characters	Coating	Part No.
		Length	Width	Cable Tie Slot Size			
ID6	SS316	9 cm	8 mm	7.9 mm	6	Polymer Black	IDC6
ID10		13 cm			10		IDC10
ID16		19 cm			16		IDC16
ID22		20 cm			22		IDC22
100 pcs per Box							



Stainless Steel Marker Tags					
Part No.	Description	Dimensions (mm)			Cable Tie Slot Size
		Length	Width		
T5019	Marker Tags	50	19	4.9 mm	
T6338		63	38		
T7407		74	7		
T8909		89	10		
T8919		89	19		
100 pcs per Box					



Stress - Strain Curve for Typical Tensile Test



AISI Type Number		SS 430	SS 201	SS 304	SS 316
Specification - Equivalents	UNS	S4300	S20100	S30400	S31600
	BS	430S17	301S21	304S31	316S31
	Euronorm	W. No: 1.4016 Name: X8 Cr17	W. No: 1.4310 Name: X10CrNi18-8	W. No: 1.4301 Name: X5CrNi18-10	W.No: 1.4401 Name: X5CrNiMo17-12-2
	Swedish	SS2320	SS2331	SS2332	SS2347
	JIS	SUS430	SUS201	SUS304	SUS316
Composition	Carbon - % C	0.12 Max	0.15 Max	0.07 Max	0.08 Max
	Manganese - % Mn	1.00 Max	5.5 - 7.5	2.00 Max	2.00 Max
	Phosphorous - % P	0.04 Max	0.06 Max	0.045 Max	0.045 Max
	Silicon - % Si	1.00 Max	1.00 Max	0.75 Max	0.75 Max
	Sulphur - S	0.03 Max	0.03 Max	0.03 Max	0.03 Max
	Chromium - % Cr	16.00 - 18.00	16.00 - 18.00	17.50 - 19.50	16.0 - 18.0
	Nickel - % Ni	0.75 Min	3.50 - 5.50	8.0 - 10.50	10.0 - 14.0
	Nitrogen - % N		0.25 Max	0.10 Max	0.10 Max
Molybdenum - % Mo				2.00 - 3.00	
Physical Properties					
Molecular Structure		Ferritic	Austenitic	Austenitic	Austenitic
Density (Kilogram per Cubic Centimetre)		7750	7800	8000	8000
Modulus of elasticity (Giga Pascal)		200	197	193	193
Mean Coefficient of Thermal Expansion	0 - 100 Degree Celcius	10.4	15.7	17.2	15.9
	0 - 315 Degree Celcius	11	17.5	17.8	16.2
	0 - 538 Degree Celcius	11.4	18.4	18.4	17.5
Electrical Properties					
Magnetism		Magnetic	Non-Magnetic	Non-Magnetic	Non-Magnetic
Electrical Resistivity (NanoOhm Metre)		600	690	720	740
Mechanical Properties					
Ultimate Tensile Strength(Min)	Mega Pascal(Mpa)	450	515	515	515
Yield Strength(Min)	Mega Pascal(Mpa)	205	260	205	205
Elongation (% min)	in 50mm,	22	40	40	40
Hardness, Max	Rockwell B	183	217	201	217
	Brinell	89	95	92	95
Corrosive Properties					
Moderate Environments		Good Resistance	Good Resistance	Very Good Resistance	Excellent Resistance
Marine & Offshore Environments		Poor Resistance	Fair Resistance	Good Resistance	Very Good Resistance
Oxidising Environments		Fair Resistance	Fair Resistance	Fair Resistance	Very Good Resistance
Reducing Environments		Not Recommended for use	Not Recommended for use	Not Recommended for use	Good Resistance
Applications		Economic Bands & Buckles	Extra strong Bands & Buckles for construction and automotive	Bands & Buckles, Economical Cable Ties, Outdoor and harsher areas like Chemical plants, Food and Dairy industry	Cable ties, bands & buckles, Marking systems. Best in Class for all Harsh environments like Marine & Offshore applications.

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R-LOC® Product Certifications & Standards

Material Standards:	AISI 201 Stainless Steel	(EN DIN 1.4371)
	AISI 304 Stainless Steel	(EN DIN 1.4301)
	AISI 316 Stainless Steel	(EN DIN 1.4401)
	AISI 403 Stainless Steel	(EN DIN 1.4024)
Surface Finish(s):	A) Metallic - High Grade Finish	
	B) Pure Polyester & Epoxy Coatings	
	C) PPA 571 ES (Performance Polymer Alloy) Thermoplastic Coating	
	D) PVC (Polyvinyl Chloride) Coating	
Temperature Ranges:	A) - 80°C to +500°C (uncoated)	
	B) - 80°C to +150°C (coated)	
Flammability rating:	Fireproof, Halogen free	
Performance:	UV & Salt Spray resistant	

Certifications

DET NORSKE VERITAS
DNV # E-6729



Underwriters Laboratories
UL # E-227552

ABS Class Type Approval



Lloyds Registered for Shipping Class



EU ROHS Compliant



Quality Standards:

ISO 9001:2000
Certified Manufacturing



ISO 14001:2002
Environment Friendly Plant

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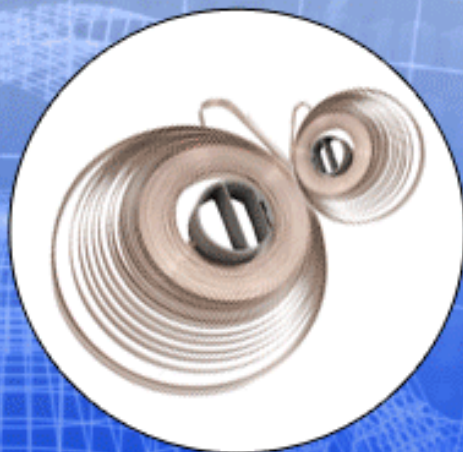
Clamping Solutions - For Demanding Applications



Approved Products



Stainless Steel Cable Ties



Stainless Steel
Continuous Bands & Buckles



Worm Driven & Snap Fit Clamps



Marker Tags

Raychem RPG Limited

Joint Venture between Tyco Electronics - USA & RPG Enterprises India

<p>ISO-9001 : 2000 And ISO 14001 Certified Company</p>	<p>Ex-Stock Delivery & ROHS Compliance</p>	<p>Variety of Materials and surface Coating</p>	<p>International Quality with competitive price</p>
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