



R-Loc[®]

One Stop Solution for all Clamping Requirements....

Great North
Technologies



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



Great North Technologies Incorporated

www.greatnorthtech.com / customerservice@greatnorthtech.com

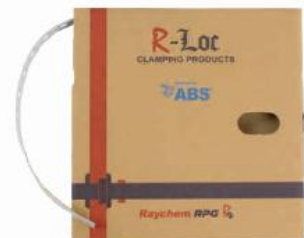
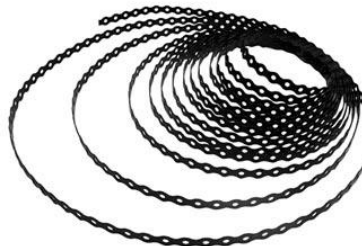
Customer Service; 514-620-3724 / **Fax;** 514-620-3086 / **Sales;** 514-575-8044
623 – 3484 Sources Boulevard, Dollard Des Ormeaux, Québec H9B 1Z9 Canada

All Purpose Straps for Easy and Fast Installations

- Perforated Strap with evenly spaced holes enables fastening with nut & bolt, screw or cable tie
- Uncoated & PPA 571 halogen free polymer coating available easy to install all purpose strap
- 3, 10 & 25 meter pre-cut lengths packaged in convenient carton boxes



All Purpose Straps - Polymer Coated and Uncoated							
Part Number	Material Grade	Dimensions (mm)			Length (Meters)	Part Number	
		Width	Thickness	Hole Dia.			Uncoated
RSAP12E107-5	SS316	12.7	1.1	5	3	RSAU12E107-5	
RSAP12E107-5					10	RSAU12E107-5	
RSAP12E257-5					25	RSAU12E257-5	
RSAP19E107-5		19		7	3	RSAU19E107-5	
RSAP19E107-5					10	RSAU19E107-5	
RSAP19E257-5					25	RSAU19E257-5	
RSAP12F107-5		SS304		12.7	5	3	RSAU12F107-5
RSAP12F107-5						10	RSAU12F107-5
RSAP12F257-5						25	RSAU12F257-5
RSAP19F107-5	19		7	3	RSAU19F107-5		
RSAP19F107-5				10	RSAU19F107-5		
RSAP19F257-5				25	RSAU19F257-5		
RSAP12G107-5	GCS	12.7	5	3	RSAU12G107-5		
RSAP12G107-5				10	RSAU12G107-5		
RSAP12G257-5				25	RSAU12G257-5		
RSAP19G107-5		19	7	3	RSAU19G107-5		
RSAP19G107-5				10	RSAU19G107-5		
RSAP19G257-5				25	RSAU19G257-5		



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

Aluminum Perforated Strips for Easy and Fast Installation

- Easy to install Aluminum Perforated Strips for light duty applications
- Perforated Strip with evenly spaced holes & slots
- Uncoated (grey) & polyester coated (orange) colour coated bands available.
- 10 & 25 meter pre-cut lengths packaged in convenient carton boxes

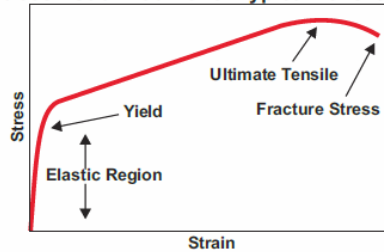
Aluminum Perforated Strip - for Easy and Fast Installation						
Part Number	Material Grade	Dimensions (mm)			Length (Meters)	Part Number
Coated (orange)		Width	Thickness	Hole Dia.		Uncoated (grey)
RSAB19AI-10-O	Aluminum	19	1.2	7	10	RSAB19AI-10-G
RSAB19AI-25-O					25	RSAB19AI-25-G



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

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.

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® 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

Great North Technologies Incorporated

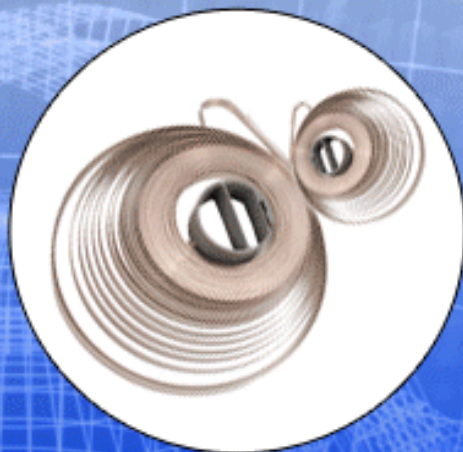
www.greatnorthtech.com / customerservice@greatnorthtech.com
Customer Service; 514-620-3724 / **Fax;** 514-620-3086 / **Sales;** 514-575-8044
 623 – 3484 Sources Boulevard, Dollard Des Ormeaux, Québec H9B 1Z9 Canada



Clamping Solutions - For Demanding Applications



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>
--	--	---	---

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