



R-Loc®

One Stop Solution for all Clamping Requirements....



ABS

Lloyd's Register



Great North Technologies Incorporated

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Customer Service; 514-620-3724 / **Fax;** 514-620-3086 / **Sales;** 514-575-8044
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Signs & Signals Mounting Brackets



- Mounting Brackets are used to mount traffic signs & signals , junction boxes and enclosures.
- Withstands stress & vibrations as brackets and bands are made from high tensile strength AISI SS 201 Stainless Steel.
- Bolts for brackets are specially made from corrosion resistant SS304 grade Stainless Steel.
- Metal & Nylon washers are provided to absorb vibrations and provide better clamping results. Brackets c/w; tapped hole for M8 bolt.
- Brackets and Buckles are available in two slot (1/2" & 3/4") sizes, matched to 12.7mm and 19mm band width sizes.

Sign & Signal Mounting Brackets										
Steel Grade	Name	Leg Type	Hardware Description	Part Number	Slot Width (mm)	Bracket Dimensions (mm)				Qty/Box (pcs)
						Length	Width	Height	Gauge	
SS201	Mini Bracket	Straight	not included	RM12MS	12.7	31	27	21	1.25	50
			M8 Bolt & Washers	RM12MSA						
		Flared	not included	RM12MF		40				
			M8 Bolt & Washers	RM12MFA						
	Single Bolt Bracket	Straight	not included	RM19SS	19	44	38	30	2	
			M8 Bolt & Washers	RM19SSA						
		Flared	not included	RM19SF		56				
			M8 Bolt & Washers	RM19SFA						
	Two Bolt Bracket	Straight	not included	RM19TS	58	38	30	2		
			M8 Bolt & Washers	RM19TSA						



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Signs & Signals Clamping Systems

Jaw and Screw Buckles						
Part No.		Type	Steel Grade	Width (mm)	Type	Part No.
Uncoated	Coated					Uncoated
RCU12BJ	RCC12BJ	Jaw	SS201	12.7	Screw	RCU12BS
RCU19BJ	RCC19BJ			19		RCU19BS
RCU12FJ	RCC12FJ	Jaw	SS304	12.7	Screw	RCC12FS
RCU19FJ	RCC19FJ			19		RCC19FS
RCU12EJ	RCC12EJ	Jaw	SS316	12.7	Screw	RCC12ES
RCU19EJ	RCC19EJ			19		RCC19ES

(100 pcs / box)

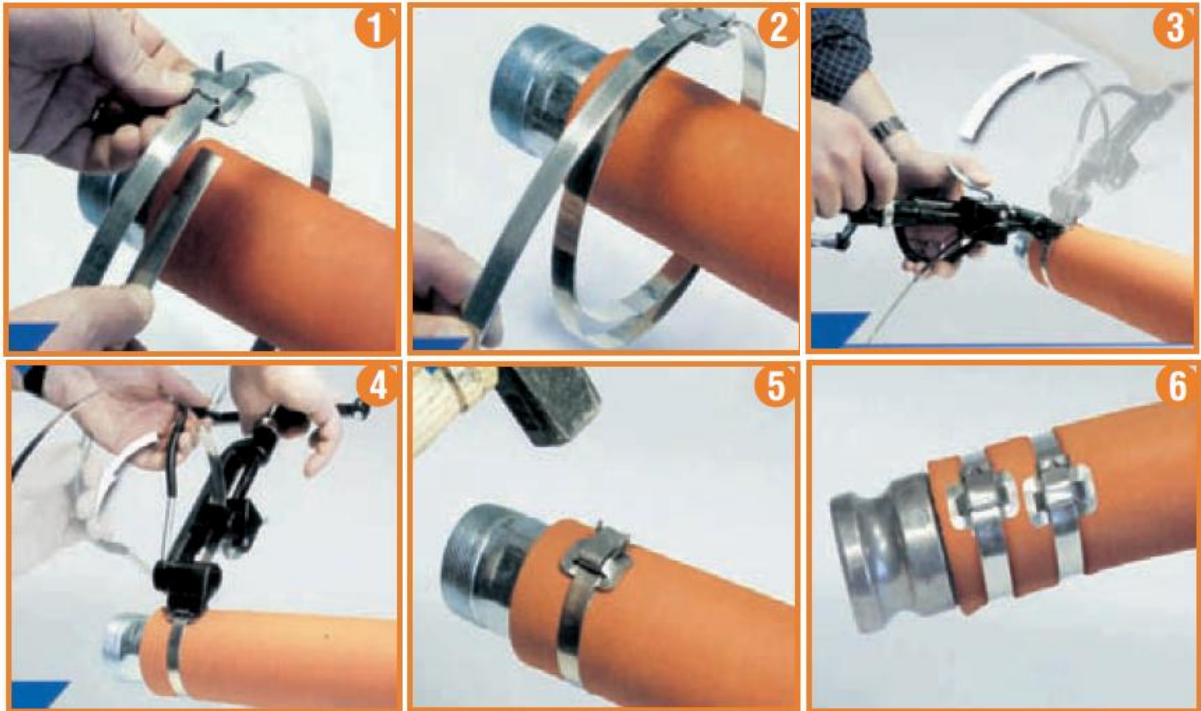


Bands Packaged in Plastic Totes										
Tote Color	Part No.	Material Grade	Tensile Strength (lbs)	Dimensions (mm)		Length	Tensile Strength (lbs)	Material Grade	Part No.	Tote Color
				Width	Thickness					
Yellow	RSU12B307-5T	SS201	1500	12.7	0.75	100 ft.	1200	SS316	RSU12E307-5T	Yellow
Blue	RSU19B307-5T		2250	19			1800		RSU19E307-5T	Blue
Yellow	RSU12F307-5T	SS304	1100	12.7	0.75	100 ft.	1100	SS430	RSU12A307-5T	Yellow
Blue	RSU19F307-5T		1700	19			1700		RSU19A307-5T	Blue



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Band & Buckle Application and Installation Instructions



- 1) Pull Buckle on band, ears pointing towards end of band. Form the clamp, holding band on band. Then push the buckle back over the doubled band, bending the end around 1" under the buckle.
- 2) Double wrap the band for a heavier job.
- 3) Place the band in the tool, push down on the gripper with the thumb, and tension the clamp by turning the handle. The maximum tension is achieved when the band finally stops moving through the buckle. Once the required tension has been applied, roll the tool over the buckle and simultaneously, reverse the handle carefully through half a turn to avoid snapping or breakage. There is no loss of tension if the handle is reversed very little.
- 4) Pull on the cutter lever ensuring that the band is cut off at the correct length.
- 5) Hold the stub of the band with the thumb and hammer it flat over the bridge of the buckle. Complete the clamp formation by hammering the ears over the stub.
- 6) Desired Result as shown above.

Tools for R-LOC® Products

Part No.	Description	Application	PN Series
RR-G01	Automatic Cable Tie Gun	Cable Ties	B, L & R
RR-P02	Cable Tensioning Pliers		
RR-H05	Cable Tie Hook		
RR-B04	Bantam Tool	Pre-Cut Straps	RC, PJ & PW
RR-T03	Buckle Crimping Tool	Buckles	RC
	Band Ratchet & Cutting Tool	Bands	RS
RR-R06	Ratchet Tool	Bands & Straps	

RR-G01 Cable Tie Automatic Gun.

- Easy to install automatic gun, with single hand operation.
- Cable tie side entry for immediate positioning of tie & tool.
- Controlled tension & fully adjustable to achieve desired tension.
- Easy and automatic removal of excess tie length with auto cut-off.

RR-P02 Cable Tensioning Pliers

- Cable tie side entry for immediate positioning of tie & tool.
- Hand operated tool with installer controlled tension and cut-off.
- Easy removal of excess tie length.
- Lever actuated cut-off.
- Rugged, lightweight, easy to operate providing a mechanical advantage.

RR-T03 Band ratchet and cutting / Buckle crimping Tool.

- Features a spring-loaded gripper lever for more efficient band handling.
- Easy to use spindle handle to ratchet band through buckle.
- Cut-off Lever is vinyl coated for easy cutting of band.

RR-B04 Bantam Auto Gun Tool.

- Light weight gun handle configuration to tighten Strap or Tie.
- Cut-off Lever for easy cutting of Strap or Tie.

RR-H05 Cable Tie Hook.

- Used as a hand tool to tighten B, L & R Series Cable Ties.
- Insert hook into hole at end of tie and pull.

RR-R06 Ratchet Tool.

- Multipurpose heavy duty ratchet for Bands and Straps.

RR-G01



RR-P02



RR-T03



RR-B04



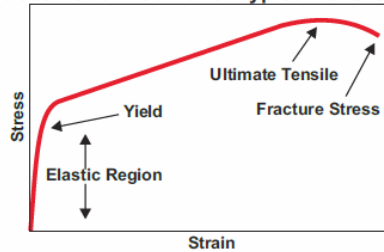
RR-H05



RR-R06



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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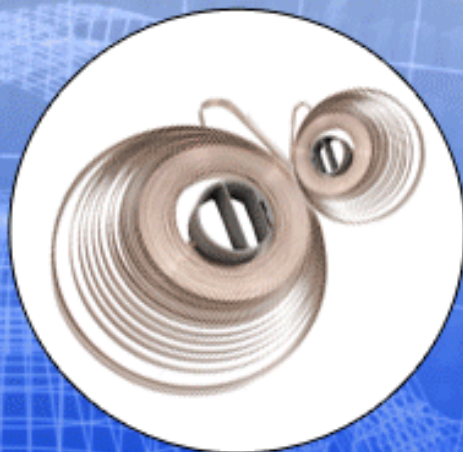
Clamping Solutions - For Demanding Applications



Approved Products



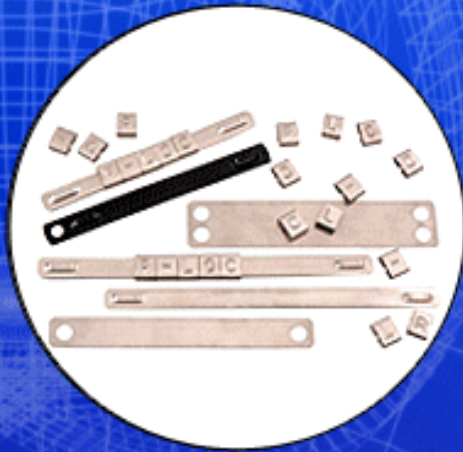
Stainless Steel Cable Ties



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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