

R-LOC MPING PRODUCTS

-Loc

C INNE

One Stop Solution for all Clamping Requirements



Great North





R-LOC® Heritage

 Signals
 Telecom
 Sub-Sea
 Utilities
 Power Gen
 Oil & Gas

 Image: Signals
 Image: Sub-Sea
 Image: Sub-Sea

Shipping & Cargo



Transportation



Military





Introduction	Page 1
Heritage	Page 2
Table of Content	Page 3
Product Description	Page 4

Clamping Systems:

Uncoated Strap - Plastic Totes	Page 5

Uncoated Strap – Cartons

PPA and PVC Coated Strap

Page 7

Page 6

Buckles

Jaw Type Wing Type Screw Type Page 8 Page 8 Page 9

Page 10

Hand Tools

Tools Instructions Page 11

Product Specifications	Page	12
Certifications & Standards	Page	13
R-LOC [®] Products	Page	14







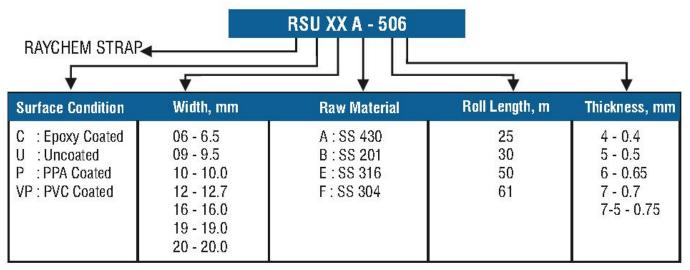




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SPECIFICATIONS: STRAPS



R-LOC® Bands available in the following steel grades

Stainless Steel: AISI SS430 - General Applications

- Stainless Steel: AISI SS201 High Tensile Strength
- Stainless Steel: AISI SS304 Harsh Environments
- Stainless Steel: AISI SS316 Corrosive Environments

- **R-LOC[®] Band Product Description**
- Superior corrosion resistance
- Packed in plastic tote dispensers or carton boxes
- Totes available in 4 colour codes based on band widths.
- High tensile strength and quality with a superior finish

Band Coating Options

PPA 571 Coated Bands for Highly Corrosive Applications:

- Excellent adhesion to the metal substrate
- Excellent resistance to stress cracking on bending
- Also provides good abrasion and impact resistance
- PPA 571 is based on an alloy of acid modified Polyolefins.
- PPA 571 (Performance Polymer Alloy Coating) is a thermoplastic coating powder
- Specifically designed to provide a long lasting, tough coating for Stainless steel and Aluminum
- Resistant to adverse weather conditions, detergents, salt spray and typical airborne pollutants
- PPA 571 is halogen free and the combustion fumes are low in smoke and have a low toxicity index

PVC (Polyvinyl Chloride) Coated Stainless Steel Straps From R-LOC:

An effective thermoplastic polymer coating on SS316 with excellent chemical and mechanical resistance

Benefits of PPA and PVC Coating:

- Corrosion Resistance in Harsh Environments
- Excellent for Marine and Offshore Applications
- Superior Tensile Strengths
- Unmatched Safety in Oil & Gas and off shore rigs
- Ensures lasting protection from inter metal corrosion

Properties of PPA and PVC Coating:

- Excellent chemical resistance
- Low moisture absorption
- Good dimensional stability
- Self extinguishing
- Excellent bonding strength

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Uncoated Bands

Bands Packaged in Plastic Totes													
Tote	Part No.	Material	Tensile Strength		ensions (mm)	Length	Tensile Strength	Material	Part No.	Tote			
Color		Grade	(lbs)	Width	Thickness		(lbs)	Grade		Color			
Red	RSU06B305T		500	6.5	0.5	100 ft.	400		RSU06E305T	Red			
Red	RSU09B306-5T		900	9.5	0.65	100 ft.	750		RSU09E306-5T	Red			
Red	RSU10B304		800		0.4	30 m	500		RSU10E304	Red			
Red	RSU10B504		800	10	0.4	50 m	500		RSU10E504	Red			
Red	RSU10B307	-	1200	10	0.7	30 m	900		RSU10E307	Red			
Red	RSU10B507		1200		0.7	50 m	900		RSU10E507	Red			
Yellow	RSU12B307-5T	SS201	1500	12.7			1200	SS316	RSU12E307-5T	Yellow			
Grey	RSU16B307-5T		1875	16	0.75	100 ft.	1500		RSU16E307-5T	Grey			
Blue	RSU19B307-5T		2250 19				1800		RSU19E307-5T	Blue			
Blue	RSU20B304		4500	1500		0.4	30 m	1200		RSU20E304	Blue		
Blue	RSU20B504		1500	20	0.4	50 m	1200		RSU20E504	Blue			
Blue	RSU20B307		2300	20	0.7	30 m	1800		RSU20E307	Blue			
Blue	RSU20B507		2300		0.7	50 m	1800		RSU20E507	Blue			
Red	RSU06F305T		375	6.5	0.5	100 ft.	375		RSU06A305T	Red			
Red	RSU09F306-5T		700	9.5	0.65	100 ft.	700		RSU09A306-5T	Red			
Red	RSU10F304		475		0.4	30 m	475		RSU10A304	Red			
Red	RSU10F504		475	40	40	40	10	0.4	50 m	475		RSU10A504	Red
Red	RSU10F307		750	10	0.7	30 m	750		RSU10A307	Red			
Red	RSU10F507		750		0.7	50 m	750		RSU10A507	Red			
Yellow	RSU12F307-5T	SS304	1100	12.7			1100	SS430	RSU12A307-5T	Yellow			
Grey	RSU16F307-5T		1400	16	0.75	100 ft.	1400		RSU16A307-5T	Grey			
Blue	RSU19F307-5T		1700	19			1700		RSU19A307-5T	Blue			
Blue	RSU20F304		1000		0.4	30 m	1000		RSU20A304	Blue			
Blue	RSU20F504		1000	20	0.4	50 m	1000		RSU20A504	Blue			
Blue	RSU20F307		1500 0	0.7	30 m	1500		RSU20A307	Blue				
Blue	RSU20F507		1500		0.7	50 m	1300		RSU20A507	Blue			





Uncoated Bands

Bands Packaged in Corrugated Boxes										
Part No.	Material Grade	Tensile Strength	Dimensions (mm)				Length (meters)	Tensile Strength	Material Grade	Part No.
	Grade	(lbs)	Width	Thickness	(meters)	(lbs)	Orade			
RSU06B305C		500	6.5	0.5	30.5	400		RSU06E305C		
RSU06B615C		500	0.5	0.5	61	400		RSU06E615C		
RSU09B306-5C		900	9.5	0.65	30.5	750		RSU09E306-5C		
RSU09B616-5C		900	9.5	0.05	61	/ 50		RSU09E616-5C		
RSU12B307-5C	SS201	4500	40.7		30.5	4000	SS316	RSU12E307-5C		
RSU12B617-5C	55201	1500	1500	12.7		61	1200	55310	RSU12E617-5C	
RSU16B307-5C		1875	16	0.75	30.5	1500		RSU16E307-5C		
RSU16B617-5C		1875	10	10	10	0.75	61	1500		RSU16E617-5C
RSU19B307-5C		30.5		1800		RSU19E307-5C				
RSU19B617-5C		2250	19		61	1800		RSU19E617-5C		
RSU06F305C		375	6.5	0.5	30.5	375		RSU06A305C		
RSU06F615C		3/5	0.5	0.5	61	3/5		RSU06A615C		
RSU09F306-5C		700	0.5	0.05	30.5	700		RSU09A306-5C		
RSU09F616-5C		700	9.5	0.65	61	700		RSU09A616-5C		
RSU12F307-5C	00004	1100	40.7		30.5	4400	00400	RSU12A307-5C		
RSU12F617-5C	SS304	1100 12.7	1100 12.7		61	1100	SS430	RSU12A617-5C		
RSU16F307-5C	1		16	0.75	30.5	1400		RSU16A307-5C		
RSU16F617-5C	1	1400	10	0.75	61	1 1400		RSU16A617-5C		
RSU19F307-5C	1	4700	10		30.5		1	RSU19A307-5C		
RSU19F617-5C	1	1700	19		61	1700		RSU19A617-5C		



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PPA 571 & PVC Coated Bands for Highly Corrosive Applications

	Bands Packaged in Corrugated Boxes								
Coating	Derf No	Material	Dimens	sions (mm)	Tensile	Length	Material	Dent Ma	
Туре	Part No.	Grade	Width	Thickness	Strength (lbs)	(meter)	Grade	Part No.	
Polymer	RSP06F254C		6.5		335			RSP06E254C	
Polymer	RSP09F254C		9.5		505			RSP09E254C	
Polymer	RSP12F254C		40.7		070			RSP12E254C	
PVC	RSVP12F254	SS304	12.7	1.1	670	25	SS316	RSVP12E254	
PVC	RSVP16F254		10		0.40			RSVP16E254	
Polymer	RSP16F254C		16		840			RSP16E254C	
Polymer	RSP19F254C		19		1000			RSP19E254C	

Bands Packaged in Plastic Totes									
Coating	Part No.	t No. Material Dimensions (mm) Tensile Strength		Matorial Diffetisions ((((())))	Meters	Material	Part No.	Tote	
Туре	i art ito.	Grade	Width	Thickness	(lbs)	Length	Grade	i art no.	Colour
Polymer	RSP06F254T		6.5		335			RSP06E254T	Red
Polymer	RSP09F254T		9.5		505			RSP09E254T	Red
Polymer	RSP12F254T	SS304	12.7	1.1	670	25	SS316	RSP12E254T	Yellow
Polymer	RSP16F254T		16		840			RSP16E254T	Grey
Polymer	RSP19F254T		19		1000			RSP19E254T	Blue





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Buckles for Bands

Jaw and Wing Type Buckles													
Part	No.	Туре	Steel	Width	Туре	Part	No.						
Uncoated	Coated	Type	Grade	(mm)	Type	Coated	Uncoated						
RCU06BJ	RCC06BJ			6.5		RCC06BW	RCU06BW						
RCU09BJ	RCC09BJ			9.5		RCC09BW	RCU09BW						
RCU10BJ	RCC10BJ			10		RCC10BW	RCU10BW						
RCU12BJ	RCC12BJ	Jaw	SS201	12.7	Wing	RCC12BW	RCU12BW						
RCU16BJ	RCC16BJ			16		RCC16BW	RCU16BW						
RCU19BJ	RCC19BJ			19		RCC19BW	RCU19BW						
RCU20BJ	RCC20BJ			20		RCC20BW	RCU20BW						
RCU06FJ	RCC06FJ			6.5		RCC06FW	RCU06FW						
RCU09FJ	RCC09FJ			9.5		RCC09FW	RCU09FW						
RCU10FJ	RCC10FJ			10		RCC10FW	RCU10FW						
RCU12FJ	RCC12FJ	Jaw	SS304	12.7	Wing	RCC12FW	RCU12FW						
RCU16FJ	RCC16FJ									16		RCC16FW	RCU16FW
RCU19FJ	RCC19FJ					19		RCC19FW	RCU19FW				
RCU20FJ	RCC20FJ			20		RCC20FW	RCU20FW						
RCU06EJ	RCC06EJ			6.5		RCC06EW	RCU06EW						
RCU09EJ	RCC09EJ			9.5		RCC09EW	RCU09EW						
RCU10EJ	RCC10EJ			10		RCC10EW	RCU10EW						
RCU12EJ	RCC12EJ	Jaw	SS316	12.7	Wing	RCC12EW	RCU12EW						
RCU16EJ	RCC16EJ			16		RCC16EW	RCU16EW						
RCU19EJ	RCC19EJ			19		RCC19EW	RCU19EW						
RCU20EJ	RCC20EJ			20		RCC20EW	RCU20EW						
(100 pcs / box)													





Buckles & Brackets for Bands

Screw Type Buckles						
	Part No.		Width (mm)			
SS201	Width (mm)					
RCU06BS	RCC06FS	RCC06ES	6.5			
RCU09BS	RCC09FS	RCC09ES	9.5			
RCU10BS	RCC10FS	RCC10ES	10			
RCU12BS	RCC12FS	RCC12ES	12.7			
RCU16BS	RCC16FS	RCC16ES	16			
RCU19BS	RCC19FS	RCC19ES	19			
RCU20BS RCC20FS RCC20ES 20						
(100 pcs / box)						



Brackets for Signals and Signs								
Name	Leg Type	Hardware Description	Part No.	Strap Size (mm)	Steel Grade			
	Straight	Less Hardware	RM12MS					
Mini Bracket	Straight	M8 Bolt & Washer	RM12MSA	12.7	SS201			
	Flored	Less Hardware	RM12MF	12.7				
	Flared	M8 Bolt & Washer	RM12MFA					
	Otraiat	Less Hardware	RM19SS					
Cincle Delt Dreeket	Straight	M8 Bolt & Washer	RM19SSA					
Single Bolt Bracket	Flared	Less Hardware	RM19SF	19				
	Flared	M8 Bolt & Washer	RM19SFA	19				
Two Bolt Brocket	Straight	Less Hardware	RM19TS]				
Two Bolt Bracket	Straight	M8 Bolt & Washer	RM19TSA					
50 Pcs / Box								

Brackets are tapped for your convenience to allow for installation without using a nut in order to decrease installation times.
 RM12 (Mini) brackets are typically used for mounting signs on posts of 4" diameter or smaller.
 RM19 brackets are typically used for mounting signs on posts of 4" diameter or larger.









PN Series

B, L & R

RC, PJ & PW

RC

RS

RR-G01	
3	l





RR-G01 Cable Tie Automatic Gun.

Part No. RR-G01

RR-P02

RR-H05

RR-B04

RR-T03

RR-R06

• Easy to install automatic gun, with single hand operation.

Description

Band Ratchet & Cutting Tool

Automatic Cable Tie Gun

Cable Tensioning Pliers

Buckle Crimping Tool

Cable Tie Hook

Bantam Tool

Ratchet Tool

- •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.

Tools for R-LOC® Products

Application

Pre-Cut Straps

Bands & Straps

Cable Ties

Buckles

Bands

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.

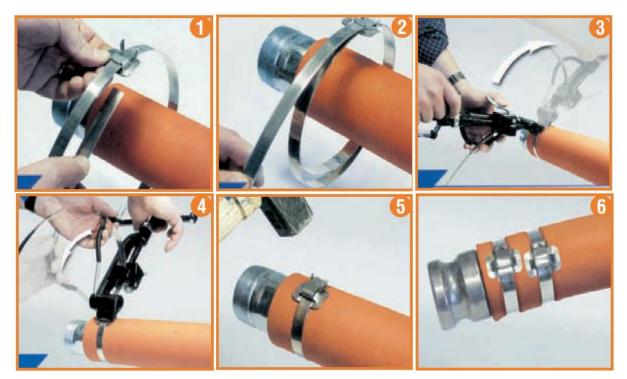
• Multipurpose heavy duty ratchet for Bands and Straps.

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Clamping System Band & Buckle Application and Installation Instructions

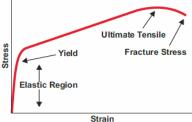


- 1) Pull Buckle on band, ears pointing towards end of band. Form the clamp, holding band on band. Then push the buckle back over the doubled band, bending the end around 1" under the buckle.
- 2) Double wrap the band for a heavier job.
- 3) Place the band in the tool, push down on the gripper with the 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.

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Stress - Strain Curve for Typical Tensile Test



AISI Type Number SS 430 SS 201 SS 304 SS 316 UNS S4300 S20100 S30400 S31600 BS 430S17 301S21 304S31 316S31 Euronorm W. No: 1.4016 W. No: 1.4310 W. No: 1.4301 W.No: 1.4401 Specification -Equivalents Name: X10CrNi18-8 Name:X5CrNi18-10 Name:X5CrNiMo17-12-2 Name: X8 Cr17 Swedish SS2320 SS2331 SS2332 SS2347 JIS SUS430 SUS201 SUS304 SUS316 Carbon - % C 0.08 Max 0.12 Max 0.15 Max 0.07 Max Manganese - % Mn 1.00 Max 55 - 752.00 Max 2.00 Max Phosporous - % 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 Composition Sulphur - S 0.03 Max 0.03 Max 0.03 Max 0.03 Max 16.00 - 18.00 16.00 - 18.00 17.50 - 19.50 16.0 - 18.0 Chromium - % Cr Nickel - % Ni 3.50 - 5.50 8.0 - 10.50 10.0 - 14.0 0.75 Min Nitrogen - % N 0.25 Max 0.10 Max 0.10 Max Molybdenum - % Mo 200 - 300**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 0 - 100 Degree Celcius 10.4 15.7 17.2 15.9 Mean Coeffcient of Thermal 0 - 315 Degree Celcius 11 17.5 17.8 16.2 Expansion 0 - 538 Degree Celcius 11.4 184 184 17 5 **Electrical Properties** Magnetism Magnetic Non-Magnetic Non-Magnetic Non-Magnetic Electrical Resistivity (NanoOhm Metre) 600 690 720 740 **Mechnical Properties** Ultimate Tensile Strength(Min) Mega Pascal(Mpa) 450 515 515 515 Mega Pascal(Mpa) Yield Strength(Min) 205 260 205 205 Elongation (% min) in 50mm, 22 40 40 40 Rockwell B 183 217 201 217 Hardness, Max Brinell 89 95 92 95 **Corrosive Properties** Moderate Environments Good Resistance Good Resistance Very Good Resistance Excellent Resistance Marine& Offshore Environments Fair Resistance Good Resistance Poor Resistance Very Good Resistance Oxidising Environments Fair Resistance Fair Resistance Fair Resistance Very Good Resistance Reducing Environments Not Recommended Not Recommended Not Recommended Good Resistance for use for use for use Applications Economic Bands & Extra strong Bands & Bands & Cable ties, bands & Buckles Buckles for Buckles, Economical buckles,Marking systems.Best in Class construction and Cable Ties, Outdoor automotive and harsher areas for all Harsh environments like Chemical like Marine & Offshore plants Food and applications. Diary industry

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R-LOC® Product Certifications & Standards

Material Standards:	AISI 201 Stainless Steel AISI 304 Stainless Steel AISI 316 Stainless Steel AISI 403 Stainless Steel	(EN DIN 1.4371) (EN DIN 1.4301) (EN DIN 1.4401) (EN DIN 1.4024)
Surface Finish(s):	A) Metallic - High Grade Finis B) Pure Polyester & Epoxy Co C) PPA 571 ES (Performance Po D) PVC (Polyvinyl Chloride)	oatings Iymer Alloy) Thermoplastic Coating
Temperature Ranges:	A) - 80°C to +500°C (uncoate B) - 80°C to +150°C (coated)	d)
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



ISO 9001:2000 Certified Manufacturing Lloyds Registered for Shipping Class



Quality Standards:



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EU ROHS Compliant











Raychem RPG Limited 🔒

Joint Venture between Tyco Electronics - USA & RPG Enterprises India

ISO-9001 : 2000 And ISO 14001 Certified Comapny Ex-Stock Delivery & ROHS Compliance

Variety of Materials and surface Coating International Quality with competitive price

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