



**MACLEAN SENIOR INDUSTRIES**

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# ***Enterprise Products***

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***The MSI Experience...When Support Counts!***



## **MACLEAN SENIOR INDUSTRIES**

### **Our Heritage**

MacLean Senior Industries (MSI), formed by merging of the communications business of MacLean Power Systems with Senior Industries, offers a comprehensive line of Datacomm Products. This includes; grounding/bonding clamps and connectors, distribution/drive/bridle rings, J Hooks and tools for the efficient and reliable installation of wiring and networks.

MSI has proudly served the communications market for over 40 years, creating products and developing solutions to meet the specific requirements of our customers. We continue to develop close relationships with our customers by supplying top quality products at competitive prices, with the highest level of service.

### **Design/Product Development**

If the product you need is not listed in our catalog or on our web site, please contact us. Experienced MSI professionals with a problem solving attitude, backed by the most recent technological capabilities, will respond to your unique product need with an innovative and cost effective solution that can be produced to meet your budget and timetable. With over 50 patents and the track record of developing hundreds of proven products, you can trust us to provide exactly what you need, when you need it.

### **Worldwide Manufacturing Resources**

MSI is an American company with global manufacturing capabilities. We have 13 production facilities worldwide, including 7 factories in the U.S. alone. We can ensure that your product needs will be met when you need them. Our global manufacturing strategy allows for the optimal combination of quality, cost and delivery.

### **Customer Service/Distribution**

MSI has two main distribution hubs in Wood Dale, Illinois and Memphis, Tennessee, making sure that parts are available when you need them.

### **Quality You Can Depend On**

MSI is ISO 9001 certified. We won't produce a product that doesn't meet our high quality and reliability standards, per the product specifications. If you have a question about any MSI product, we will be there to respond to it.

For technical support, installation information and special requirements please contact our Inside Sales Team at: 1-800-350-1650, or via e-mail at: [sales@macleansenior.com](mailto:sales@macleansenior.com).

## SPLIT BOLTS

- High strength corrosion resistant copper alloy connectors for use in bonding applications
- Designed to provide high clamping force
- Split bolt will accept on any combination of two conductors shown in the chart below
- UL and CUL listed

Part Number	Size	Range of Equal Main and Tap		Min. Tap with One Max. Main	Package Qty	Package Weight	Carton Qty	Carton Weight
		Min.	Max.					
SI-2002	2	#6 SOL	#2 STR	#14 STR	50	10 Lbs.	400	44 Lbs.
SI-2004	4	#8 SOL	#4 SOL	#16 SOL	100	7 Lbs.	800	53 Lbs.
SI-2006	6	#10 SOL	#6 SOL	#16 SOL	100	5 Lbs.	800	40 Lbs.
SI-2008	8	#16 STR	#8 STR	#16 STR	200	6 Lbs.	1600	47 Lbs.



## GROUND ROD CLAMP

- Used to provide a solderless connection between a #6 ground wire and a ground rod
- Clamps are constructed of cast bronze
- Available in vibration proof, anti-loosening versions
- UL and CUL listed



Part Number	Ground Rod Diameter	Bolt Hex Size	Conductor Range	Carton Qty	Carton Size	Carton Weight
SI-0038C	5/8"	1/2"	#10 SOL - #1/0 STR	400	10" x 9" x 9"	42 Lbs.
SI-2142	5/8"	9/16"	#12 SOL - #6 SOL	25	6" x 4" x 4"	11 Lbs.

## KUL BONDING CLAMP

- Constructed of high strength copper alloy
- Installation does not require removal of bolt
- Tin plated for use with dissimilar metals
- Installs with standard terminal wrench
- UL and CUL listed



Part Number	Conductor Range	Package Qty	Carton Qty	Carton Size	Carton Weight
SI-2174	#6 SOL - #1/0 STR	100	400	13" x 11 1/2" x 5 1/2"	70 Lbs.

## STRUCTURE I-BEAM GROUND CLAMP

- Used to provide an electrical connection to beam structures
- High strength bronze casting
- Will accept wire range from #14 AWG to #6 AWG including bonding ribbon
- UL and CUL listed

Part Number	Carton Qty	Master Qty	Carton Size	Carton Weight
SI-2145	20	200	16" x 8" x 6"	56 Lbs.
SI-2145A	20	200	16" x 8" x 6"	56 Lbs.



## BRONZE VISE CONNECTOR

- Used to provide a solderless connection between ground wires
- Vise-type connector made of corrosion resistant, high strength bronze
- Fast, easy installation
- Vibration proof connection
- V-grooves properly align the conductors for maximum engagement
- UL and CUL listed
- 1/4" - 28 bolt size, 3/8" hex



Part Number	Conductor Range AWG		Set Screw/Stud	Package Qty	Carton Qty	Carton Size	Carton Weight
	Min. Pair	Max. Pair					
SI-0082JK	#8 SOL to #5 SOL	1/0 to #4 SOL	#6 to #14 SOL	50	350	10" x 10" x 6"	45 Lbs.

## DISTRIBUTION CONNECTORS

- Design allows for easy tapping or covering of the connection
- Designed to meet all ANSI specifications
- Clamp will close on any combination of two conductors shown in the chart below
- UL and CUL listed



Part Number	Conductor Range			Approximate Dimensions	Bolt Size	Hex (In)	Carton Qty	Carton Weight
	Max SOL	STR	Min SOL					
SI-2173	#1/0	#1	#8	1 1/2" x 1 3/8" x 1"	5/16 - 24	9/16	50	12 Lbs.

- Vise-type bronze connector
- Interlocking components to ensure a long term, vibration proof connection
- One piece, side opening design to eliminate loose parts, cross threading, and ease of installation on run conductor
- Can be used on structures, cabinets, and enclosures for grounding applications
- Connector will close on any combination of two conductors listed within the range shown in the chart below
- UL and CUL listed



Part Number	Conductor Range		Bolt Thread Size	Bolt Hex Size	Package Qty	Carton Qty	Carton Size	Carton Weight
	Min./SOL	Max./STR						
SI-2179	#8	#1/0	5/16" - 24	9/16"	30	240	10" x 8 1/2" x 7 1/2"	38 Lbs.

## GROUNDING CONNECTOR

- Used to provide a solderless connection between ground wires
- Vise-type connectors made of corrosion resistant, high strength bronze
- Fast, easy installation
- Vibration proof connection
- V-grooves properly align the conductors for maximum engagement
- UL and CUL listed



Part Number	Conductor Range		Bolt Size	Hex (In)	Carton Qty	Carton Size	Carton Weight
	SOL	STR					
SI-2169	#4	#4	5/16 - 24	9/16	350	10" x 10" x 6"	56 Lbs.
SI-2170	#6	#8	5/16 - 28	3/8	500	9" x 9" x 6"	40 Lbs.

## WATER PIPE CLAMP

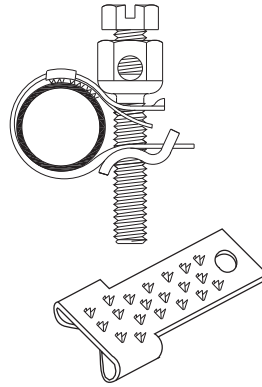
- Ideal for bonding copper ground wire to copper pipe and conduit
- Accepts from #14 to #6 AWG copper wire
- UL and CUL listed

Part Number	Size	Material	Carton Qty	Carton Size	Carton Weight
SI-5948G	1/2" - 3/4" - 1"	Bronze	250	9" x 7" x 6"	48 Lbs.



## UNIVERSAL GROUND STRAP

- Positive grounding connection to water pipes, electrical conduits & ground rods
- Features new captive nut, which prevents loss of nut during installation
- Features patented curved nut, which gives a more reliable, secure connection to pipe
- Set-screw stud assembly is compatible with a standard terminal wrench
- Set-screw stud assembly allows ground wire changes without loosening clamp
- Available in 6, 9, or 12 inch lengths with copper or galvanized steel straps
- Available with a penetrator option to ensure a positive, reliable ground
- SI-0954 Premium type ground straps accommodate up to #6 AWG
- UL and CUL listed
- Patented



SI-0954 series clamps also available with penetrator. To order, add "P" suffix to part number.



Part Number	Type	Strap Material	Strap Length	Pipe Size Dia. (In)	Package Qty	Carton Qty	Carton Size	Carton Weight
SI-0954-6	Premium	Copper	6"	1/2" - 1"	25	100	4 1/4" x 4 1/4" x 12"	2 Lbs.
SI-0954-9	Premium	Copper	9"	1/2" - 2 1/4"	25	100	4 1/4" x 4 1/4" x 12"	3 Lbs.
SI-0954-12	Premium	Copper	12"	1/2" - 3"	25	100	4 1/4" x 4 1/4" x 12"	4 Lbs.
SI-0954G-6	Premium	Galvanized Steel	6"	1/2" - 1"	25	100	4 1/4" x 4 1/4" x 12"	2 Lbs.
SI-0954G-9	Premium	Galvanized Steel	9"	1/2" - 2 1/4"	25	100	4 1/4" x 4 1/4" x 12"	3 Lbs.
SI-0954G-12	Premium	Galvanized Steel	12"	1/2" - 3"	25	100	4 1/4" x 4 1/4" x 12"	4 Lbs.

## COMPRESSION LUGS

- Constructed of premium, high conductivity copper, electro-tin plated
- Optimal material ductility provides secure crimp with superior tension and pull out resistance
- Wire range of #8 - 4/0 to meet all Telecommunications applications
- Color coded for easy identification of corresponding wire sizes
- 1 and 2 hole lug configurations for attachment to common stud sizes.
- Multiple bend angles, including 45° and 90°
- Available in standard, long and short barrel lengths
- Available with inspection window to confirm wire insertion
- Narrow tongue options available.
- Compatible with industry standard compression tools and crimp dies
- Made in the U.S.A.
- Meets or exceeds UL 486A and ANSI C119.4 requirements



MSI stocks hundreds of different compression lugs, please contact us with your compression lug requirements.



## J HOOKS AND J HOOK TREES

- Provides the ability to organize and support large numbers of cables
- Maintains optimal cable performance by preventing damage associated with point loading
- Wide base prevents pinch points and allows for cable to follow natural bends
- Provides an inexpensive alternative to cable trays
- Ideal design for use with a range of cables including fiber optic, CAT 5E, 6 and 7, among others
- Cable retaining clip included
- Variety of options allow hooks to be attached to vertical or overhead surfaces
- Available in Steel or Stainless Steel



Part Number	Description	CAT 5E Cable Capacity	Material
SI-6935-12	J Hook, 3/4"	20	Steel, Zinc Electroplated
SI-6935-21	J Hook, 1-5/16"	40	Steel, Zinc Electroplated
SI-6935-32	J Hook, 2"	80	Steel, Zinc Electroplated
SI-6935-64	J Hook, 4"	300	Steel, Zinc Electroplated
SI-6935-12-SS	J Hook, 3/4"	20	Stainless Steel
SI-6935-21-SS	J Hook, 1-5/16"	40	Stainless Steel
SI-6935-32-SS	J Hook, 2"	80	Stainless Steel
SI-6935-64-SS	J Hook, 4"	300	Stainless Steel
SI-6935-12-AB	J Hook, 3/4" with overhead mount bracket	20	Steel, Zinc Electroplated
SI-6935-21-AB	J Hook, 1-5/16" with overhead mount bracket	40	Steel, Zinc Electroplated
SI-6935-32-AB	J Hook, 2" with overhead mount bracket	80	Steel, Zinc Electroplated
SI-6935-32-AB	J Hook, 4" with overhead mount bracket	300	Steel, Zinc Electroplated
SI-6935-12-AB-SS	J Hook, 3/4" with overhead mount bracket	20	Stainless Steel
SI-6935-21-AB-SS	J Hook, 1-5/16" with overhead mount bracket	40	Stainless Steel
SI-6935-32-AB-SS	J Hook, 2" with overhead mount bracket	80	Stainless Steel
SI-6935-32-AB-SS	J Hook, 4" with overhead mount bracket	300	Stainless Steel
SI-6935T-212	J Hook Tree, 1-5/16" with 2 Hooks	80	Steel, Zinc Electroplated
SI-6935T-214	J Hook Tree, 1-5/16" with 4 Hooks	160	Steel, Zinc Electroplated
SI-6935T-216	J Hook Tree, 1-5/16" with 6 Hooks	240	Steel, Zinc Electroplated
SI-6935T-322	J Hook Tree, 2" with 2 Hooks	160	Steel, Zinc Electroplated
SI-6935T-324	J Hook Tree, 2" with 4 Hooks	320	Steel, Zinc Electroplated
SI-6935T-326	J Hook Tree, 2" with 6 Hooks	480	Steel, Zinc Electroplated

## BASEBOARD CLIPS

- Used to secure coaxial or twisted pair cable to baseboard
- Steel construction, enamel coated
- Patent pending
- Add suffix to part number to denote color: N = Neutral, W = White, B = Black

Part Number	Cable Size	Carton Qty	Carton Size	Carton Weight
SI-0991	RG 6	1000	6" x 4" x 4"	4 Lbs.
SI-0992	RG 6 Quad	1000	6" x 4" x 4"	4 Lbs.
SI-0993	Telephone	1000	6" x 4" x 4"	4 Lbs.
SI-0994	Category 5	1000	6" x 4" x 4"	4 Lbs.



## BRIDLE RINGS

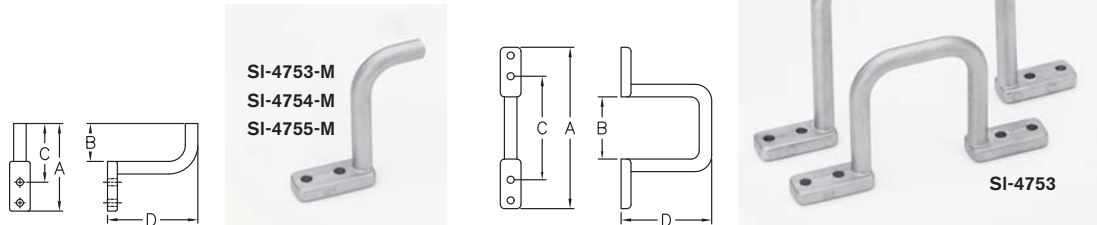
- Used to secure drop wire to wood, masonry or metal surfaces
- Constructed of high quality steel, mechanically plated
- A and C bridle rings have wood screw threads
- B, K, M and R bridle rings have machine screw threads



Part Number	Style	Eye Dia.	Thread Size	Package Qty	Carton Qty	Carton Size	Carton Weight
SI-0060	B	5/8"	10-24	25	1000	12" x 12" x 8"	28 Lbs.
SI-0061	C	7/8"	10	30	750	12" x 12" x 8"	30 Lbs.
SI-0062	C	1 5/8"	14	25	300	12" x 12" x 8"	40 Lbs.
SI-6651	A	1 5/8"	16	25	600	12" x 12" x 8"	40 Lbs.
SI-6653	C	1 1/4"	14	25	500	12" x 12" x 8"	35 Lbs.
SI-6666	K	3/4"	10-24	25	1200	12" x 12" x 8"	45 Lbs.
SI-6667	M	1 1/4"	10-24	25	750	12" x 12" x 8"	41 Lbs.
SI-6669	R	1 5/8"	1/4-24	25	525	12" x 12" x 8"	44 Lbs.

## DISTRIBUTION RINGS

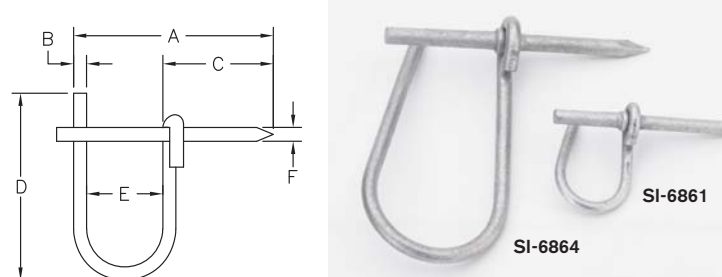
- Used to provide support for wires in building cable terminals and distribution closets
- Constructed of die cast aluminum



Part Number	Diameter				Box Qty	Carton Qty	Carton Size	Carton Weight
	(A)	(B)	(C)	(D)				
SI-4753	4.88"	1.87"	3.13"	2.74"	25	500	20" x 17" x 11"	60 Lbs.
SI-4754	6.12"	3.11"	4.39"	3.74"	25	250	23" x 14" x 11"	40 Lbs.
SI-4755	8.12"	5.12"	6.38"	3.74"	25	250	23" x 18" x 11"	50 Lbs.
SI-4753-M	2.44"	.94"	1.57"	2.74"	50	1000	20" x 17" x 11"	60 Lbs.
SI-4754-M	3.06"	1.56"	2.20"	3.74"	50	500	23" x 14" x 11"	40 Lbs.
SI-4755-M	4.06"	2.56"	3.19"	3.74"	50	500	23" x 18" x 11"	50 Lbs.

## DRIVE RINGS

- Used for temporary or permanent support of wires
- Constructed of high quality steel, hot-dip galvanized for durability



Part Number	Eye Diameter	Dimensions						Package Qty	Carton Qty	Carton Size	Carton Weight
		(A)	(B)	(C)	(D)	(E)	(F)				
SI-6861	1/2"	2 1/16"	.125"	1 3/8"	3/4"	1/2"	.120"	50	500	16" x 8" x 6"	23 Lbs.
SI-6862	5/8"	2 1/4"	.135"	1 7/16"	1 1/8"	5/8"	.165"	50	500	16" x 8" x 6"	25 Lbs.
SI-6862L	5/8"	2 3/4"	.135"	1 15/16"	1 1/8"	5/8"	.165"	50	400	9 1/2" x 9 1/2" x 7 1/2"	14 Lbs.
SI-6863	7/8"	2 9/16"	.177"	1 1/2"	2 1/16"	7/8"	.165"	25	200	16" x 8" x 6"	11 Lbs.
SI-6863L	7/8"	3 1/16"	.177"	2"	2 1/16"	7/8"	.165"	25	200	14" x 4 1/2" x 7"	12 Lbs.
SI-6864	1 1/4"	2 15/16"	.192"	1 5/8"	2 3/4"	1 1/4"	.203"	25	100	6" x 8" x 14"	10 Lbs.
SI-6864L	1 1/4"	2 1/8"	.192"	3 7/16"	2 3/4"	1 1/4"	.203"	25	100	14" x 7 1/2" x 5 3/4"	10 Lbs.

## WALL PLATES

- Single hole wall plate
- Durable, heavy-duty plastic, ivory color
- Fits standard electrical outlets
- Other sizes and configurations available on request



Part Number	Carton Qty	Carton Size	Carton Weight
SI-WP-100	50	5" x 3" x 2"	1 Lb.

## HANDI-REEL

- Super easy reel installation
- Makes one-man installations easier
- Lightweight aluminum frame
- Locks in open position
- Safety latch prevents spindle from detaching when inverted
- Anti-skid pads
- Designed to support 1 or 2 man carry
- Sturdy enough for outdoor installations
- Patented



Part Number	Type	Max Reel Diameter	Max Reel Width	Spindle Diameter	Carton Qty	Carton Size	Carton Weight
SI-1500	Handi-Reel	19"	13"	5/8"	1	15 1/2" x 15" x 4"	4 Lbs.
SI-1550	Handi-Reel	25"	16"	5/8"	1	19" x 18" x 6"	6 Lbs.

## TERMINAL WRENCH

- Used to install drop hardware
- 3/8" and 7/16" sockets



Part Number	Package Qty	Weight
SI-7195	1	.3 Lbs.



## MACLEAN SENIOR INDUSTRIES

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