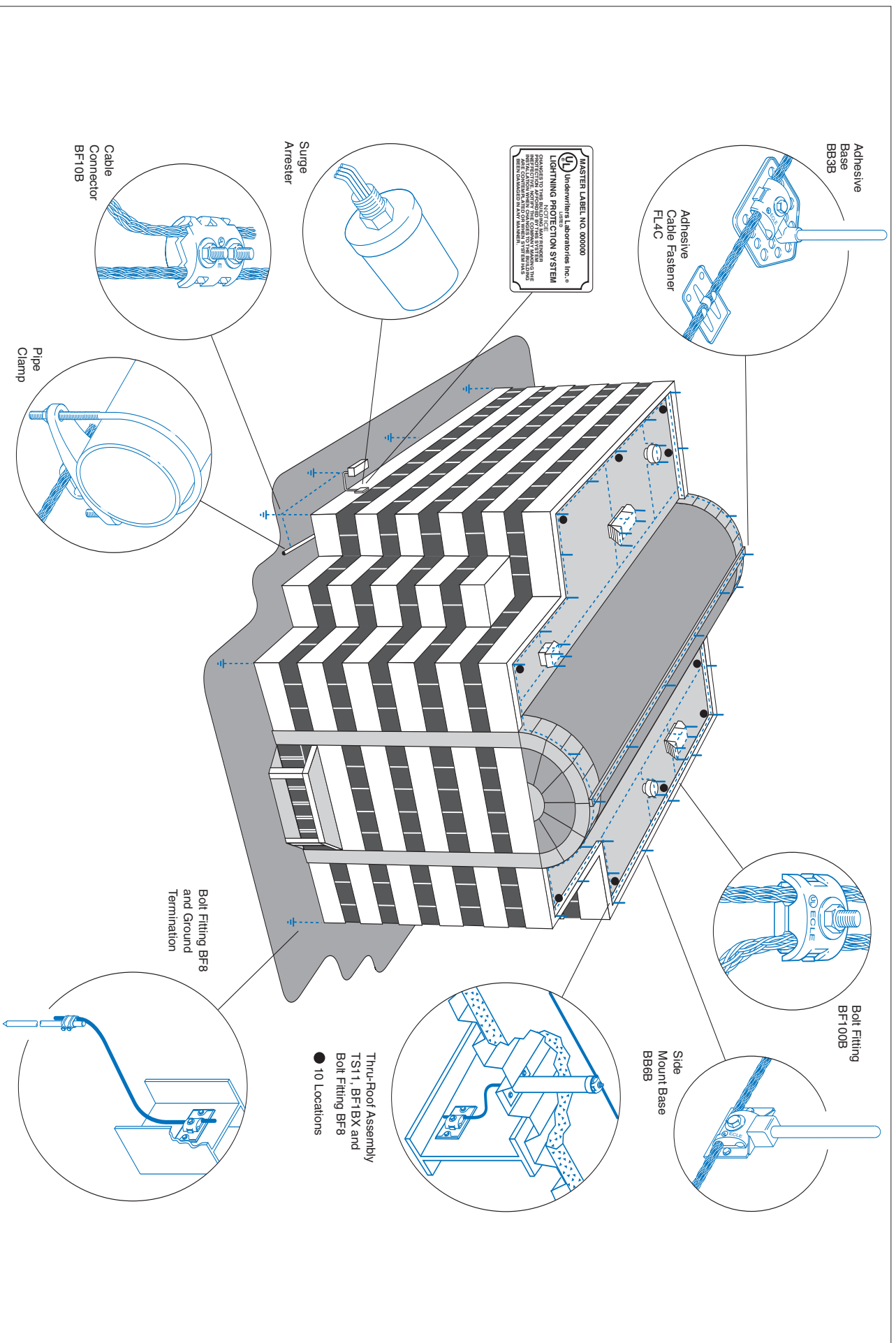


Typical Residential Lightning Protection System

Typical Commercial Lightning Protection System

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Index

Air Terminals	5-7	Glass Balls	14
Aluminum	5, 7	Grounding	45-49
Blunt	7	Computer Pedestal Clamps	45
Class I	5-7	Ground Plates	47
Class II	5-7	Ground Rods	47
Copper	5-7	Ground Rod Clamps	46
Decorative	12-14	Ground Rod Couplings	46
Leaded	5, 6	Ground Strap	47
Nickel	5, 6	Specialty Grounding	49
Tinned	5, 6	Test Wells	48
Air Terminal Accessories	8-11	Pedestal Grounding Clamps	45
Adapters	10	Pipe Clamps	42-44
Braces	8	Pitch Pocket	32
Bushings	10	Point Mounts	23
Couplings	10	Rod Couplings	8
Safety Tips	11	Roof Penetration Flashings	32
Springs	9	Rubber Flashing	55
Swivel Couplings	10	Sealants	55
Arrestors	58	Heavy Duty	55
Bases	15-25	Silicone	55
Bolt Type	15-22	Two-Part Pourable	55
Crimp Type	24-25	Smokestack Equipment	60
Point Mounts	23	Strip	1, 3
Bimetallic Fittings	39-41	Aluminum	1, 3
Conductors	1-4	Copper	3
Aluminum	1	Perforated	3
Class I	1-3	Tinned	3
Class II	1, 3	Surge Arrestors & Suppression	58-59
Copper	2-3	Swivel Couplings	10
Leaded	2-3	Threaded Rod	4
Solid	4	All- Thread	4
Strip	1, 3	Custom Threads	4
Tinned	2-3	Thru-Structure Assemblies	27-31
Conduit Caps	31	Tree Drives	52
Exothermic Connections	56-57	U-Bolt Clamps	43-46
Fasteners	50-54		
Loops	50-52		
Stainless Steel	53-54		
Standing Seam	51		
Finials	12-13		
Fittings and Connectors	26, 33-38		
Bolt Type	33-38		
Crimp Type	26		
Pressed or Stamped	26		

Looking for something not listed? Give us a call!

Thank you

for your interest in lightning protection!

East Coast Lightning Equipment, Inc. has been providing the lightning protection and professional design industries with high-quality lightning protection system components since 1985. Through the continued support of our customers we have become recognized within the lightning protection and design communities as a product manufacturer that delivers quality products, competitive pricing and excellent customer service.

We are a full service manufacturer of lightning protection system components with the ability to fill all of your lightning protection equipment needs. Our production facility, located in Winsted, Connecticut, includes a state-of-the-art non-ferrous foundry, a custom cable braiding department, a metal machining and assembly department and a stamping room. Our extensive production capacity enables our skilled staff to provide our customers with lightning fast service and high quality products. Nearly all of the orders we receive are shipped the very same day.

This catalog features many additions to our product line, including new products for bonding and grounding connections, cost effective fittings that meet Underwriters Laboratories latest requirements for bi-metallic connections and an expanded line of decorative air terminals and air terminal accessories.

Our business has been built by responding to the needs of our customers. We always stand ready to answer your questions and to provide you with the equipment you need for all of your lightning protection projects.

East Coast Lightning Equipment, Inc. works hard every day to earn our reputation as

“The manufacturer that works for you!”



Mark P. Morgan
President



Jennifer A. Morgan
Secretary/Treasurer



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Customer Information

We Work for You

We want you to think of us as the manufacturer that works for you. We are a full service manufacturer with the ability to meet all of your lightning protection component needs. We have made our mark in the lightning protection industry by providing quality parts, competitive pricing and unparalleled customer service.

Quality Assurance

Compliance Counts

Our products meet or exceed the requirements for lightning protection components established by the following national safety standards:

National Fire Protection Association

Standard for the Installation of Lightning Protection Systems - NFPA780

Underwriters Laboratories, Inc.

Lightning Protection Components - UL96

Installation Requirements for Lightning Protection Systems - UL96A

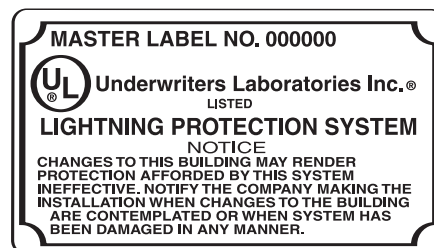
Lightning Protection Institute

Standard of Practice - LPI175



The UL Master Label

All of our lightning protection components are listed by Underwriters Laboratories for use in UL's Master Label Certification Program for lightning protection. UL representatives visit our factory on a regular basis to inspect and test our products to verify compliance with UL's materials standard for lightning protection, Standard UL96. Our products are intended for installation by lightning protection specialist contractors that are listed with UL for lightning protection installation. When a system is installed by a UL listed installer it is eligible for UL's Master Label inspection program. This program brings UL inspectors on-site to inspect the actual system installation. This third-party quality check helps ensure that individual lightning protection systems are installed in accordance with national safety standards.



Adherence to national safety standards is just one way that we fulfill our commitment to quality. Our products are designed and produced to ensure that lightning protection systems are installed in a manner that is both attractive and effective.



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Customer Information

Design Assistance

Design Tools

Our skilled staff stands ready to get you the answers you need whenever you have questions on system designs or applications. Interpreting the national lightning protection standards is one of our specialties. Our staff is involved with the development and review of the nationally recognized standards for lightning protection maintained by Underwriters Laboratories, Lightning Protection Institute and National Fire Protection Association.

See the Technical Information section of this catalog for more information on lightning protection system design including sample specifications. Please note that this entire catalog is also available in Auto CAD14 and ".pdf" formats for incorporation into your computer assisted design system programs.

When questions arise about lightning protection, it is important to remember that East Coast Lightning Equipment is the leading resource for quality products and accurate, up-to-date information.



Nationwide Network of Local Design Representatives

East Coast maintains a nationwide network of UL-listed lightning protection design, specification and installation specialists who stand ready to help project planners with lightning protection needs from the project design phase through completion. Our installation specialists have the experience, manpower and resources to service all of your lightning protection needs. Together East Coast and its network of representatives are an excellent resource for project planners whenever lightning protection needs arise. Whether it is technical drawings, code interpretation, system inspections, pricing, submittals or proposals, East Coast and its representatives are here to help you.

Our Guarantee



Thoughtful design, continuous product testing and stringent quality control produce products at a reasonable price. All products listed in this catalog are guaranteed against defects in materials or workmanship for one year. If you receive an item that you are not completely satisfied with, we will replace it, refund your money or credit your account. We are proud of the quality products we produce and if you are not satisfied with one of our products we want to know about it.



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Customer Information

Purchasing Information

As an equipment manufacturer it our policy to sell products exclusively to lightning protection installation firms that are listed to perform this work with Underwriters Laboratories. Our representatives are typically firms that specialize in both lightning protection system design and installation. If you would like to purchase lightning protection products give us a call. We can either help you to find a representative in your area to assist you or look into setting you up to join our network of representatives.

Become an East Coast Lightning Equipment Representative

In certain parts of the country, we are actively seeking additional qualified, dedicated firms to represent our products. If you are a contracting firm that is listed with Underwriters Laboratories for lightning protection or is interested in becoming one, please feel free to contact us.



Shipping Information

Choose the method you like best.

Our staff will find the method of shipment that is least expensive and most convenient for you. Orders can be shipped by any means you specify. We have negotiated deep discounts with a number of over the road trucking firms in addition to United Parcel Service. Whatever the shipping method, all orders are tracked for you all the way from our door to yours.

If There Is a Problem

If you find a shipping error, please report it promptly for settlement. We take pride in our packaging methods. If a delivery ever arrives short or is damaged it is important for you to make sure that the transporter notes the problem or damage directly on their delivery receipt. Claims for shortage or damage occurring during transit should be filed directly with the transporter and are not the responsibility of East Coast Lightning Equipment.



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Technical Information

Compliance Counts

Lightning protection components and installed systems should meet or exceed the requirements for lightning protection components established by:

Underwriters Laboratories, Standard for Lightning Protection Components - UL96

Underwriters Laboratories, Standard for Lightning Protection System Installation - UL96A

National Fire Protection Association, Standard for Lightning Protection System Installation - NFPA780

Lightning Protection Institute, Lightning Protection Standard - LPI175.

East Coast Lightning Equipment, Inc. recommends that project planners base lightning protection system designs on the requirements contained in NFPA Standard 780 and UL Standard 96A.

Adherence to national safety standards helps ensure that lightning protection systems are installed in a manner that is both attractive and effective.

Ensure a Quality Installation

It is essential that trained, qualified lightning protection specialists install lightning protection systems. Lightning protection specifications should call for the contractors performing lightning protection work to be participants in UL's Master Label lightning protection program.

The UL Master Label

Lightning protection systems should also be subject to Underwriters Laboratories Master Label Program for lightning protection. UL representatives visit our factory on a regular basis to inspect and test our products to verify compliance with UL's materials standard for lightning protection, UL96. These UL listed products are intended for installation by lightning protection specialists that are listed with UL for lightning protection installation. When a system is installed by a UL listed installer it is eligible for UL's Master Label inspection program. This third-party quality check helps ensure that individual lightning protection systems are installed in accordance with national safety standards.



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Technical Information

The Lightning Protection System

It's Simple

A lightning protection system performs a simple task. It provides a specified path on which lightning can travel. When a building is equipped with a lightning protection system, the destructive power of the lightning strike is directed safely into the ground, leaving the structure, personnel and contents unharmed.

The Primary Components

A lightning protection system should include all of the following elements, which work together to prevent lightning damage.

- Air terminals (rods)
- Conductor (cable)
- Bonds with metallic bodies
- Ground terminations
- Surge suppression

Electronic Protection

Modern facilities are especially vulnerable to the havoc that lightning can wreak on sensitive electronic equipment. To assure the highest level of protection, UL-listed lightning surge arrestors should be installed on all incoming utility lines, including electricity, telephone, satellite feed, television, etc.

Arrestors are the first line of defense against harmful electrical surges that can enter a structure through power lines. By

filtering and dissipating the harmful surges, arrestors prevent electrical fires and protect against transients that can damage a building's electrical system. For additional electronic protection, UL listed transient voltage surge suppressors can be installed to protect specific electronic components. A qualified lightning protection specialist can make recommendations for surge protection that is tailored to the needs of a specific facility.

Design Assistance

Our skilled staff stands ready to get you the answers you need, whenever you have questions on system design or application. Our entire print catalog is available in AutoCAD14 and ".pdf" formats for incorporation into your electronic design system.

We also maintain a nationwide network of representatives that can provide design, specification and consultation services to assist with specific project needs. Our representatives are specialists in both lightning protection system design and installation. They routinely work closely with design professionals and other construction trade contractors to coordinate system design and installation that is appropriate for specific projects.

When questions arise about lightning protection, it is important to remember that East Coast Lightning Equipment is the leading resource for quality products and accurate, up-to-date information.



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SAMPLE SPECIFICATION

PART I. GENERAL

- 1.01 **Objective:** To provide safety for the building and occupants by preventing damage to building structure caused by lightning.
- 1.02 **Standards:** The following specifications and standards of the latest issue form a part of this specification:
(1) Underwriters Laboratories, Inc., (UL)
Installation Requirements for Lightning Protection Systems, UL 96A
(2) National Fire Protection Association, (NFPA)
Standard for the Installation of Lightning Protection Systems, NFPA 780
(3) Underwriters Laboratories, Inc.,
Lightning Protection Components, UL 96
- 1.03 **System Design:** The work covered by this section of the specifications consists of furnishing all labor, materials and items of service required for the completion of a functional and unobtrusive lightning protection system approved by the architect, engineer, and in strict accordance with this section of the specifications and the applicable contract drawings.
If any departure from the contract drawings or submittal drawings covered below are deemed necessary by the Contractor, details of such departures and reasons therefore shall be submitted as soon as practical to the architect and engineer for approval.
- 1.04 **Submittals:** Complete design drawings showing the type, size, and locations of all grounding, down conductors, through-roof / through-wall assemblies, roof conductors, and air terminals shall be submitted to the architect and engineer for approval.
- 1.05 **Quality Assurance:** The lightning protection system shall conform to the requirements and standards for lightning protection systems of UL and NFPA. Upon completion, application shall be made to the Underwriters Laboratories, Inc. for inspection and issuance of the UL Master Label.

PART II. PRODUCTS

- 2.01 **Standard:** The system to be furnished under this specification shall be the standard product of a manufacturer regularly engaged in the production of lightning protection equipment and shall be the manufacturer's latest approved design. The equipment shall be UL listed and properly UL labeled.
All equipment shall be new, and of a design and construction to suit the application where it is used in accordance with accepted industry standards and UL and NFPA requirements.

MANUFACTURER: East Coast Lightning Equipment, Inc., Winsted, CT.



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2.02 **Equipment:** Provide and install a complete lightning protection system in compliance with the specifications and standards of the most current editions of the *National Fire Protection Associations Lightning Protection Standard NFPA-780*, and *Underwriters Laboratories Lightning Protection Standard UL96-A*. The system shall be installed by a lightning protection contractor who is listed by Underwriters Laboratories, Inc.

2.03 **Materials:** All lightning protection materials and components shall comply in weight, size and composition with UL 96 and NFPA-780 lightning protection material requirements for this type of structure.

All materials shall be copper, bronze, or stainless steel. Aluminum components shall be used in locations where system components are mounted to aluminum surfaces to avoid galvanic corrosion of dissimilar metals. Class I materials shall be used on structures not more than 75 feet in height. Class II materials shall be used on structures over 75 feet in height.

PART III. EXECUTION

3.01 **Installation:** The installation shall be accomplished by an experienced installation company that is listed with Underwriters Laboratories for lightning protection installation.

All equipment shall be installed in a neat, workmanlike manner. The system shall consist of a complete conductor network at the roof and include air terminals, connectors, splicers, bonds, down leads and proper ground terminals.

3.02 **Coordination:** The lightning protection installer will work with other trades to ensure a correct, neat and unobtrusive installation. The roofing contractor will be responsible for sealing and flashing all lightning protection roof penetrations as per the roof manufacturer's recommendations.

Note: Lightning Protection penetrations and/or attachment procedures should be addressed in the roofing section of the specifications. It shall be the responsibility of the lightning protection installer to assure a sound bond to the main water service and to assure interconnection with other ground systems.

3.03 **Inspection and Certification:** Upon completion of the installation, the contractor shall furnish the Master Label issued by Underwriters Laboratories, Inc. for this system. If the protected structure is an addition to or is attached to an existing structure that does not have a lightning protection system, the contractor shall advise the Owner of installation requirements on the existing structure to obtain the Master Label. If the existing structure does have a lightning protection system, the contractor shall advise the Owner of any additional work required on the existing system to achieve compliance with current UL Master Label requirements.

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Aluminum Conductor

A11



11 strands of 14 gauge (1.63mm) secondary bonding aluminum cable.
45 pounds per thousand feet (67 grams/meter).
45,107 circular mils (23mm²) of conductivity.

A24



24 strands of 14 gauge (1.63mm) basket weave aluminum cable.
102 pounds per thousand feet (152 grams/meter).
98,640 circular mils (50mm²) of conductivity.
Exceeds Class I requirements.

A28



28 strands of 14 gauge (1.63mm) basket weave aluminum cable.
115 pounds per thousand feet (172 grams/meter).
115,047 circular mils (58mm²) of conductivity.
Exceeds Class I requirements.

A37



37 strands of 12-1/2 gauge (1.92mm) concentric wind aluminum cable.
200 pounds per thousand feet (298 grams/meter).
211,475 circular mils (107mm²) of conductivity.
Exceeds Class II requirements (4/0).

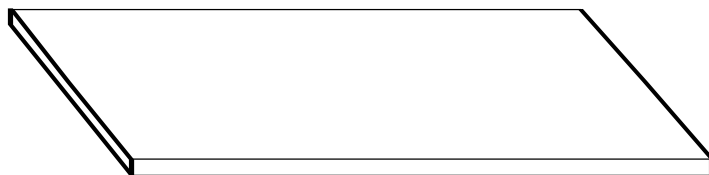
Aluminum Strip

A5/8



Aluminum Strip for secondary bonding.
5/8" x .064 (15.9mm x 1.63mm).

A1



Aluminum Strip for primary bonding.
1" x .064 (25.4mm x 1.63mm).



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Bare, Tinned and Leaded Copper Conductor

C14



14 strands of 17 gauge (1.15mm) secondary bonding copper cable.
92 pounds per thousand feet (137 grams/meter).
28,729 circular mils (14.5mm²) of conductivity.

C14T

As above with tinned copper strands.

C29



29 strands of 17 gauge (1.15mm) basket weave copper cable.
192 pounds per thousand feet (286 grams/meter).
59,450 circular mils (30mm²) of conductivity.
Exceeds Class I requirements.

C29L

As above with leaded copper strands.

C29T

As above with tinned copper strands.

C32



32 strands of 17 (1.15mm) gauge basket weave copper cable.
217 pounds per thousand feet (323 grams/meter).
65,667 circular mils (33mm²) of conductivity.
Exceeds Class I requirements.

C32L

As above with leaded copper strands.

C32T

As above with tinned copper strands.

C36



36 strands of 17 gauge (1.15mm) basket weave copper cable.
240 pounds per thousand feet (358 grams/meter).
73,800 circular mils (37mm²) of conductivity.
Exceeds Class I requirements.

C230



28 strands of 16 gauge (1.29mm) rope lay copper cable.
230 pounds per thousand feet (343 grams/meter).
72,258 circular mils (36.5mm²) of conductivity.
Exceeds Class I requirements.

C320



24 strands of 14 gauge (1.63mm) basket weave copper cable.
320 pounds per thousand feet (476 grams/meter).
98,304 circular mils (50mm²) of conductivity.
Exceeds Class I requirements. (1/0)



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Copper and Tinned Conductor

C385



28 strands of .066 gauge (1.68mm) rope lay copper cable.
385 pounds per thousand feet (573 gram/meter).
121,968 circular mils (61.5mm²) of conductivity.
Exceeds Class II requirements.

C385T

As above with tinned copper strands.

C420



28 strands of .069 gauge (1.75mm) rope lay copper cable.
420 pounds per thousand feet (625 grams/meter).
133,308 circular mils (67mm²) of conductivity.
Exceeds Class II requirements.

C420T

As above with tinned copper strands.

C2/0-19



19 strands of .0837 gauge (2.13mm) concentric lay copper cable.
411 pounds per thousand feet (612 grams/meter).
133,108 circular mils (67mm²) of conductivity.
Exceeds Class II requirements.

C4/0-19



19 strands of .1055 gauge (2.68mm) concentric lay copper cable.
653 pounds per thousand feet (972 grams/meter).
211,475 circular mils (107mm²) of conductivity.
Exceeds Class II requirements.

Copper Strip

C5/8

Copper Strip for secondary bonding.
5/8" x .0508 (15.9mm x 1.29mm).

C1



Copper Strip for primary bonding.
1" x .0508 (25.4mm x 1.29mm).

C1T

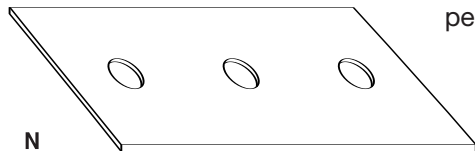
Tinned Copper Strip for primary bonding.
1" x .0508 (25.4mm x 1.29mm).

T2



Tinned Copper Strip for primary bonding.
2" x .064 (50.8mm x 1.63mm).

T2 Perforated



Same as T2 punched with 3/8" (9.5mm) diameter round perforations at 1-1/2" (38.1mm) intervals.

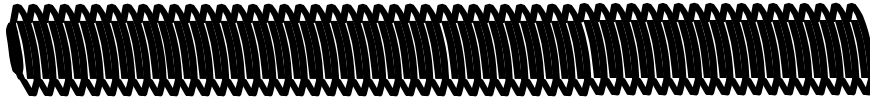


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Threaded Rod - TR



TR1B	3/8 Brass	3/8" - 16 x 6'	(183 cm)
TR2B	1/2 Brass	1/2" - 13 x 6'	(183 cm)
TR2A	1/2 Aluminum	1/2" - 13 x 6'	(183 cm)
TR2S	1/2 Stainless steel	1/2" - 13 x 6'	(183 cm)
TR3A	5/8 Aluminum	5/8" - 11 x 6'	(183 cm)

Threaded rod is available cut to any length that you require.

Solid Rod Sections



Solid rod sections are available in any length up to 12 feet. Threaded at both ends, these rods can be used to extend air terminals or as main conductor in situations where a rigid conductor is desirable.

COPPER

CR3/8	3/8" (9.5mm) diameter
CR1/2	1/2" (12.7mm) diameter
CR5/8	5/8" (15.9mm) diameter

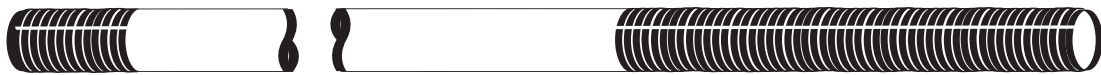
ALUMINUM

AR1/2	1/2" (12.7mm) diameter
AR5/8	5/8" (15.9mm) diameter

Specify desired length.

Solid rod is also available with just one end threaded.

Custom Threaded Rods - CTR



Solid rod sections with standard threads on one end and up to 8 inches of threads on the other. For use in a variety of thru-roof applications. Maximum rod length 48".

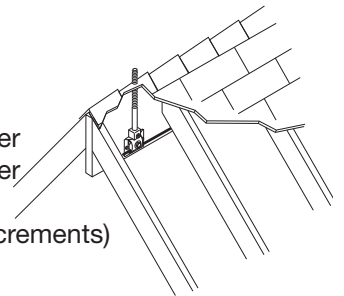
COPPER

CTRC3/8	3/8" (9.5mm) diameter
CTRC1/2	1/2" (12.7mm) diameter

ALUMINUM

CTRA1/2	1/2" (12.7mm) diameter
CTRA5/8	5/8" (15.9mm) diameter

Specify desired overall length of rod and inches of thread (in 1/2" increments) required when ordering.



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Air Terminals – AT

Class I – 1/2" (12.7mm) diameter, 3-1/2" (88.9mm) taper, threaded base, UL listed.

ALUMINUM	AT10A	1/2" x 10"	(12.7mm x 254mm)
	AT12A	1/2" x 12"	(12.7mm x 305mm)
	AT15A	1/2" x 15"	(12.7mm x 381mm)
	AT18A	1/2" x 18"	(12.7mm x 458mm)
	AT24A	1/2" x 24"	(12.7mm x 610mm)
	AT36A	1/2" x 36"	(12.7mm x 915mm)
	AT48A	1/2" x 48"	(12.7mm x 1220mm)

Class II – 5/8" (15.9mm) diameter, 3-1/2" (88.9mm) taper, threaded base, UL listed.

ALUMINUM	AT110A	5/8" x 10"	(15.9mm x 254mm)
	AT112A	5/8" x 12"	(15.9mm x 305mm)
	AT115A	5/8" x 15"	(15.9mm x 381mm)
	AT118A	5/8" x 18"	(15.9mm x 458mm)
	AT124A	5/8" x 24"	(15.9mm x 610mm)
	AT136A	5/8" x 36"	(15.9mm x 915mm)
	AT148A	5/8" x 48"	(15.9mm x 1220mm)

COPPER	AT210C	5/8" x 10"	(15.9mm x 254mm)
	AT212C	5/8" x 12"	(15.9mm x 305mm)
	AT215C	5/8" x 15"	(15.9mm x 381mm)
	AT218C	5/8" x 18"	(15.9mm x 458mm)
	AT224C	5/8" x 24"	(15.9mm x 610mm)
	AT236C	5/8" x 36"	(15.9mm x 915mm)
	AT248C	5/8" x 48"	(15.9mm x 1220mm)

TINNED	AT212T	5/8" x 12"	(15.9mm x 305mm)
	AT215T	5/8" x 15"	(15.9mm x 381mm)
	AT218T	5/8" x 18"	(15.9mm x 458mm)
	AT224T	5/8" x 24"	(15.9mm x 610mm)

LEADED	AT236L	5/8" x 36"	(15.9mm x 915mm)
	AT248L	5/8" x 48"	(15.9mm x 1220mm)

FULL NICKEL	AT212N	5/8" x 12"	(15.9mm x 305mm)
	AT215N	5/8" x 15"	(15.9mm x 381mm)
	AT218N	5/8" x 18"	(15.9mm x 458mm)
	AT224N	5/8" x 24"	(15.9mm x 610mm)
	AT236N	5/8" x 36"	(15.9mm x 915mm)
	AT248N	5/8" x 48"	(15.9mm x 1220mm)

All air terminals are available in any length to twelve feet (365.75cm).



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Air Terminals – AT

Class I – 3/8" (9.5mm) diameter, 2-1/2" (63.5mm) taper, threaded base, UL listed.

COPPER	AT10C	3/8" x 10"	(9.5mm x 254mm)
	AT12C	3/8" x 12"	(9.5mm x 305mm)
	AT15C	3/8" x 15"	(9.5mm x 381mm)
	AT18C	3/8" x 18"	(9.5mm x 458mm)
	AT24C	3/8" x 24"	(9.5mm x 610mm)
	AT36C	3/8" x 36"	(9.5mm x 915mm)
	AT48C	3/8" x 48"	(9.5mm x 1220mm)
TINNED	AT12T	3/8" x 12"	(9.5mm x 305mm)
	AT15T	3/8" x 15"	(9.5mm x 381mm)
	AT18T	3/8" x 18"	(9.5mm x 458mm)
	AT24T	3/8" x 24"	(9.5mm x 610mm)
LEADED	AT36L	3/8" x 36"	(9.5mm x 915mm)
	AT48L	3/8" x 48"	(9.5mm x 1220mm)
FULL NICKEL	AT12N	3/8" x 12"	(9.5mm x 305mm)
	AT15N	3/8" x 15"	(9.5mm x 381mm)
	AT18N	3/8" x 18"	(9.5mm x 458mm)
	AT24N	3/8" x 24"	(9.5mm x 610mm)
	AT36N	3/8" x 36"	(9.5mm x 915mm)
	AT48N	3/8" x 48"	(9.5mm x 1220mm)

Class II – 1/2" (12.7mm) diameter, 3-1/2" (88.9mm) taper, threaded base, UL listed.

COPPER	AT110C	1/2" x 10"	(12.7mm x 254mm)
	AT112C	1/2" x 12"	(12.7mm x 305mm)
	AT115C	1/2" x 15"	(12.7mm x 381mm)
	AT118C	1/2" x 18"	(12.7mm x 458mm)
	AT124C	1/2" x 24"	(12.7mm x 610mm)
	AT136C	1/2" x 36"	(12.7mm x 915mm)
	AT148C	1/2" x 48"	(12.7mm x 1220mm)
TINNED	AT112T	1/2" x 12"	(12.7mm x 305mm)
	AT115T	1/2" x 15"	(12.7mm x 381mm)
	AT118T	1/2" x 18"	(12.7mm x 458mm)
	AT124T	1/2" x 24"	(12.7mm x 610mm)
LEADED	AT136L	1/2" x 36"	(12.7mm x 915mm)
	AT148L	1/2" x 48"	(12.7mm x 1220mm)
FULL NICKEL	AT112N	1/2" x 12"	(12.7mm x 305mm)
	AT115N	1/2" x 15"	(12.7mm x 381mm)
	AT118N	1/2" x 18"	(12.7mm x 458mm)
	AT124N	1/2" x 24"	(12.7mm x 610mm)
	AT136N	1/2" x 36"	(12.7mm x 915mm)
	AT148N	1/2" x 48"	(12.7mm x 1220mm)

All air terminals are available in any length to twelve feet (365.75cm).



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Blunt Air Terminals – AT



Class I – 1/2" (12.7mm) diameter, threaded base, UL listed.

ALUMINUM	AT10AB	1/2" x 10"	(12.7mm x 254mm)
	AT12AB	1/2" x 12"	(12.7mm x 305mm)
	AT15AB	1/2" x 15"	(12.7mm x 381mm)
	AT18AB	1/2" x 18"	(12.7mm x 458mm)
	AT24AB	1/2" x 24"	(12.7mm x 610mm)
	AT36AB	1/2" x 36"	(12.7mm x 915mm)
	AT48AB	1/2" x 48"	(12.7mm x 1220mm)

Class II – 5/8" (15.9mm) diameter, threaded base, UL listed.

ALUMINUM	AT110AB	5/8" x 10"	(15.9mm x 254mm)
	AT112AB	5/8" x 12"	(15.9mm x 305mm)
	AT115AB	5/8" x 15"	(15.9mm x 381mm)
	AT118AB	5/8" x 18"	(15.9mm x 458mm)
	AT124AB	5/8" x 24"	(15.9mm x 610mm)
	AT136AB	5/8" x 36"	(15.9mm x 915mm)
	AT148AB	5/8" x 48"	(15.9mm x 1220mm)

Class I – 3/8" (9.5mm) diameter, threaded base, UL listed.

COPPER	AT10CB	3/8" x 10"	(9.5mm x 254mm)
	AT12CB	3/8" x 12"	(9.5mm x 305mm)
	AT15CB	3/8" x 15"	(9.5mm x 381mm)
	AT18CB	3/8" x 18"	(9.5mm x 458mm)
	AT24CB	3/8" x 24"	(9.5mm x 610mm)
	AT36CB	3/8" x 36"	(9.5mm x 915mm)
	AT48CB	3/8" x 48"	(9.5mm x 1220mm)

Class II – 1/2" (12.7mm) diameter, threaded base, UL listed.

COPPER	AT110CB	1/2" x 10"	(12.7mm x 254mm)
	AT112CB	1/2" x 12"	(12.7mm x 305mm)
	AT115CB	1/2" x 15"	(12.7mm x 381mm)
	AT118CB	1/2" x 18"	(12.7mm x 458mm)
	AT124CB	1/2" x 24"	(12.7mm x 610mm)
	AT136CB	1/2" x 36"	(12.7mm x 915mm)
	AT148CB	1/2" x 48"	(12.7mm x 1220mm)

Class II – 5/8" (15.9mm) diameter, threaded base, UL listed.

COPPER	AT210CB	5/8" x 10"	(15.9mm x 254mm)
	AT212CB	5/8" x 12"	(15.9mm x 305mm)
	AT215CB	5/8" x 15"	(15.9mm x 381mm)
	AT218CB	5/8" x 18"	(15.9mm x 458mm)
	AT224CB	5/8" x 24"	(15.9mm x 610mm)
	AT236CB	5/8" x 36"	(15.9mm x 915mm)
	AT248CB	5/8" x 48"	(15.9mm x 1220mm)

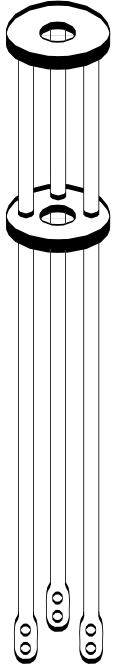
All air terminals are available in any length to twelve feet (365.75cm).

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Terminal Braces

GALVANIZED BRACE

Galvanized steel tripod braces for use with air terminals up to 5/8" (15.9mm) in diameter.

TB18	18"	(45.7cm)
TB24	24"	(61cm)
TB36	36"	(91.4cm)
TB48	48"	(122cm)

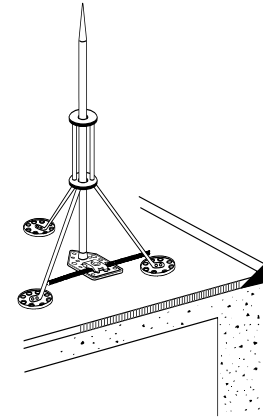
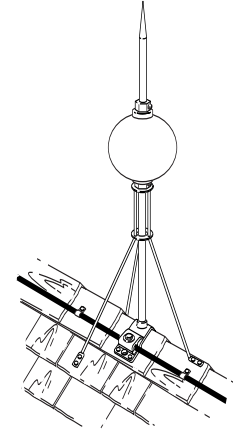
As above with cast aluminum or bronze feet for adhesive applications.

BRACE WITH ALUMINUM FEET

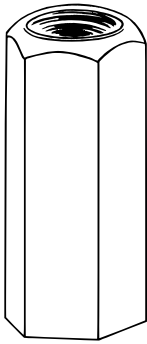
TB18A	18"	(45.7cm)
TB24A	24"	(61cm)
TB36A	36"	(91.4cm)
TB48A	48"	(122cm)

BRACE WITH BRONZE FEET

TB18B	18"	(45.7cm)
TB24B	24"	(61cm)
TB36B	36"	(91.4cm)
TB48B	48"	(122cm)



Rod Coupling - RC



For threaded rod to threaded rod or air terminal connection. Fabricated from 3/4" (19mm) aluminum or brass hex stock. Available with 3/8" (9.5mm), 1/2" (12.7mm) or 5/8" (15.9mm) internal threads, in combinations to meet your requirements. Approximately 1-1/4" x 3/4" (32mm x 19mm).

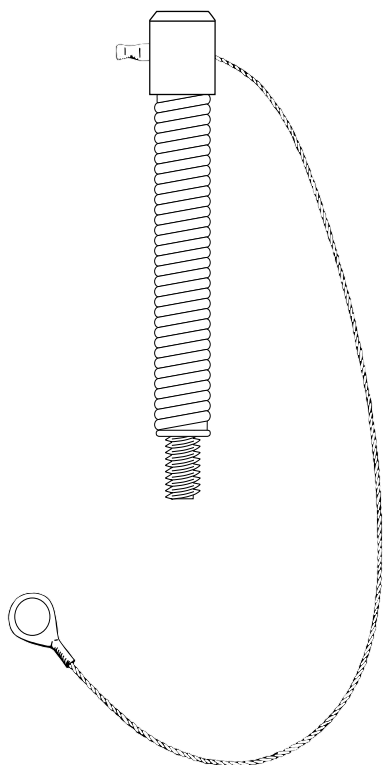
BRASS	ALUMINUM
RC3/8B	RC1/2A
RC1/2B	RC5/8A
RC1/2-3/8B	RC1/2-5/8A
RC5/8B	RC5/8G-1/2A
RC5/8-1/2B	RC5/8G-5/8A
RC5/8G-3/8B	

Rod Couplings are also available in stainless steel. Call factory with your specific needs.



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Spring Adapter - SA



Use Spring Adapters when safety requirements preclude the use of rigid air terminals. Stainless steel spring is 3.5" (89mm) long. Ends are fabricated from 3/4" (19mm) round aluminum or brass rod stock. Top end is threaded female and has a 12" (30.5cm) stainless steel safety cable. Bottom end is threaded male.

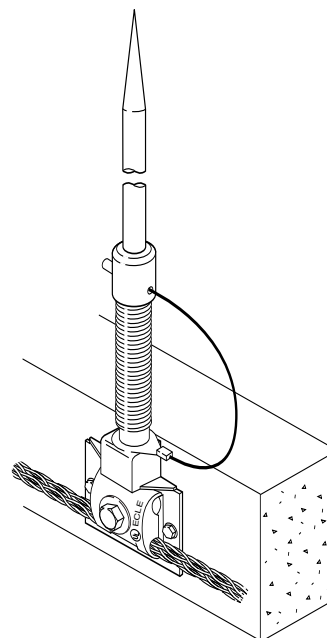
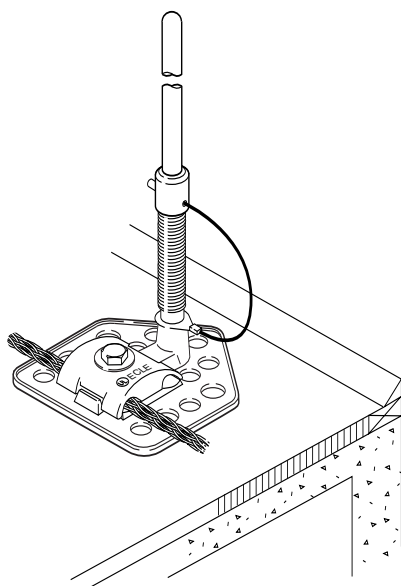
ALUMINUM

SA1/2-1/2A	1/2" female to 1/2" male
SA1/2-5/8A	1/2" female to 5/8" male
SA5/8-1/2A	5/8" female to 1/2" male
SA5/8-5/8A	5/8" female to 5/8" male

BRONZE

SA3/8-3/8B	3/8" female to 3/8" male
SA3/8-1/2B	3/8" female to 1/2" male
SA1/2-3/8B	1/2" female to 3/8" male
SA1/2-1/2B	1/2" female to 1/2" male

When ordering air terminals for use with spring adapters, keep in mind that air terminal length should not exceed 18 (45.7cm) inches. Spring adapters are not recommended for use with 5/8" diameter copper air terminals.



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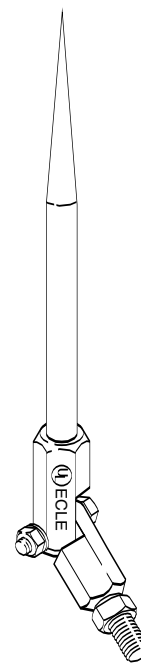
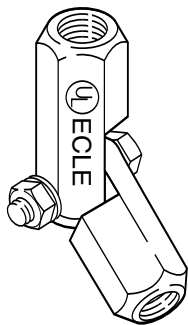
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Cast Swivel Couplings - SC

For male to female or female to female connections.
Cast bronze or aluminum with stainless steel fasteners.
Available with 3/8" (9.5mm), 1/2" (12.7mm) or
5/8" (15.9mm) threads, in combinations to meet
your requirements.

Female to female 3" x 3/4" (76mm x 19mm).

Female to male 4" x 3/4" (102mm x 19mm).



BRASS

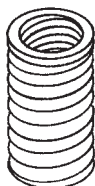
SC3/8F-3/8FB
SC3/8F-3/8MB
SC3/8F-1/2FB
SC3/8F-1/2MB
SC1/2F-3/8MB
SC1/2F-1/2FB
SC1/2F-1/2MB

SC1/2F-5/8FB
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SC5/8F-5/8FB
SC5/8F-5/8MB

ALUMINUM

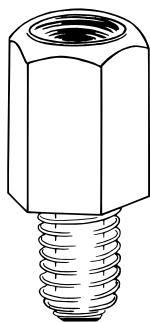
SC1/2F-1/2FA
SC1/2F-1/2MA
SC1/2F-5/8FA
SC1/2F-5/8MA
SC5/8F-1/2MA
SC5/8F-5/8FA
SC5/8F-5/8MA

NOTE: Cast Swivel Couplings are also available tinned.



Air Terminal Bushing

AD1B Brass thread size reducer bushing.
Converts 1/2" to 3/8". Approximately
1/2" (1.127cm) diameter x 3/4" (1.9cm).
Approximately .31 oz.



Air Terminal Adapter

AD2A Aluminum 1/2" male to 5/8" female adapter for
base to air terminal or threaded rod connections.
1-3/4" x 3/4" (45mm x 19mm).
Approximately 1.4 oz. (40 grams).

AD2B As above in brass.
1-3/4" x 3/4" (45mm x 19mm).
Approximately 4.2 oz. (119 grams).



Air Terminal Coupling

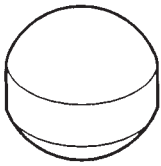
ATC3/8B Slender, cylindrical brass coupling for connecting
3/8" air terminal to 3/8" threaded rod or solid rod
section. 1-1/2" x 1/2" (38.1mm x 12.7mm).

ATC1/2B As above for 1/2" air terminal to 1/2" threaded rod.
1-1/2" x 5/8" (38.1mm x 15.8mm).



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Air Terminal Safety Tips

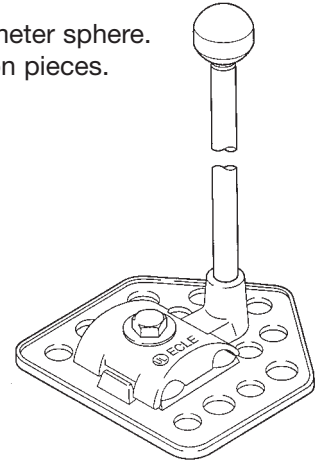


Brass Ball

Brass air terminal safety tip. 1 inch (25.4mm) diameter sphere. Internally threaded for attachment to rod extension pieces. Approximately 4 oz. (113 grams). Specify 3/8, 1/2, or 5/8 thread size.

Aluminum Ball

Approximately 1.6 oz. (45 grams). Specify 1/2 or 5/8 thread size.

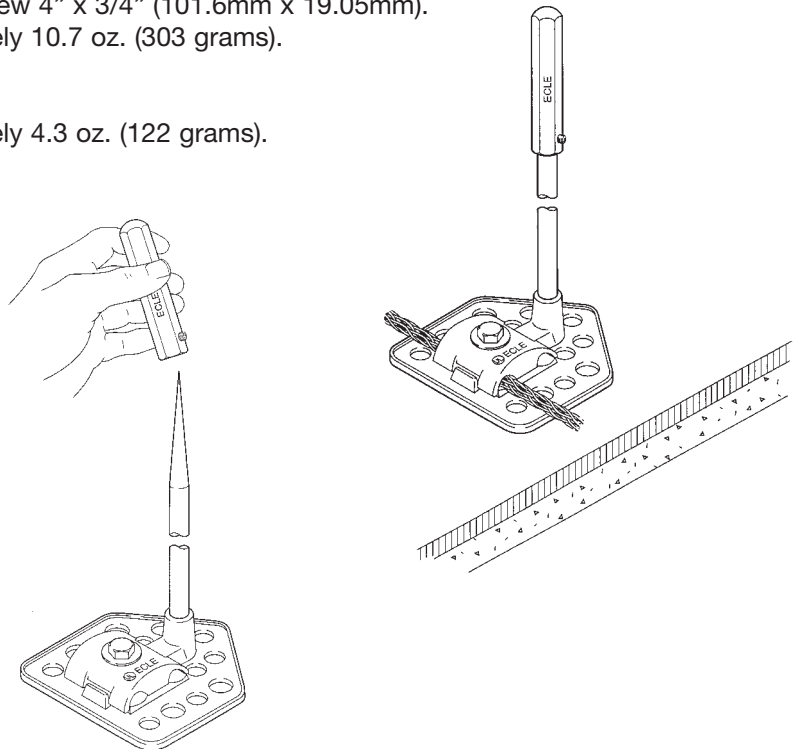


Brass Bullet

Hex brass air terminal safety tip. Slips over existing air terminal tip and is held in place with a stainless steel set screw 4" x 3/4" (101.6mm x 19.05mm). Approximately 10.7 oz. (303 grams).

Aluminum Bullet

Approximately 4.3 oz. (122 grams).



Note: Disk type air terminal tops are also available.



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Decorative Finials - DF

- DF27B 27" Bronze Decorative Finial**
Cast bronze finial with internally threaded base for 1/2" (12.7mm) threaded rod. 27" (68.6cm) tall, largest section 4-1/2" (11.4cm) diameter.
Supplied with 2' (60.9cm) of 1/2" stainless steel threaded rod, 1/2" nut and 1/2" washer.
Approximately 19.77 pounds (8.94kg).
- DF27A Aluminum**
Approximately 9 pounds (4.1kg).

- DF48B 48" Bronze Decorative Finial**
Cast bronze finial with 1" (25.4mm) diameter mounting rod. Each finial is individually numbered and recorded as a factory original.
48" (1.22m) tall, 9" (22.9cm) diameter at largest section.
Approximately 55 pounds (24.9kg).
Specify mounting rod length required when ordering.
- DF48A Aluminum**
Approximately 19 pounds (8.6kg).

- DF72B 72" Bronze Decorative Finial**
Cast bronze finial with 1" (25.4mm) diameter stainless steel mounting rod. Each finial is individually numbered and recorded as a factory original.
72" (1.8m) tall, 13 1/2" (34.35cm) diameter at largest section.
Approximately 175 pounds (79.5kg).
- DF72A Aluminum**
Approximately 70 pounds (31.8kg).

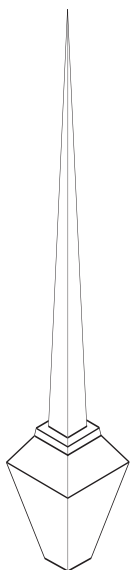
- DF96B 96" Bronze Decorative Finial**
Cast bronze finial with 1" (25.4mm) diameter stainless steel mounting rod. Each finial is individually numbered and recorded as a factory original.
96" (2.44m) tall, 18" (45.8cm) diameter at largest section.
Approximately 275 pounds (125kg).
- DF96A Aluminum**
Approximately 110 pounds (50kg).

Bronze decorative finials and terminals are also available tin plated.

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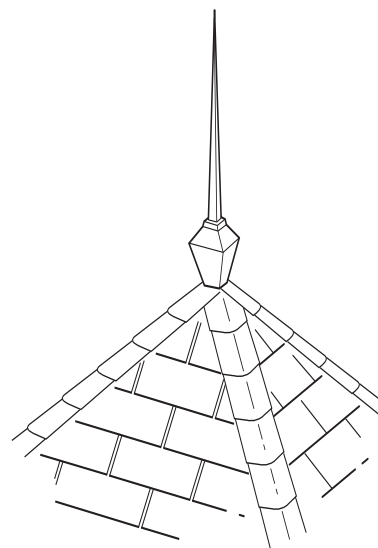


Decorative Finials - DF

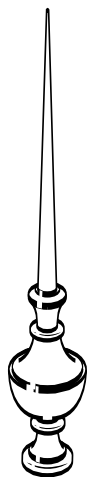


DF2B **30" Bronze Decorative Finial**
 Cast bronze decorative finial. Overall height 30 inches (76.2cm) 4-1/2" (11.4cm) at widest section. 1/2" diameter stainless steel threaded mounting rod extends from bottom. Supplied with stainless steel nut and washer. Approximately 12 lbs (5.4kg).

DF2A **Aluminum**
 Approximately 4 pounds (1.8kg).



Decorative Terminal - DT

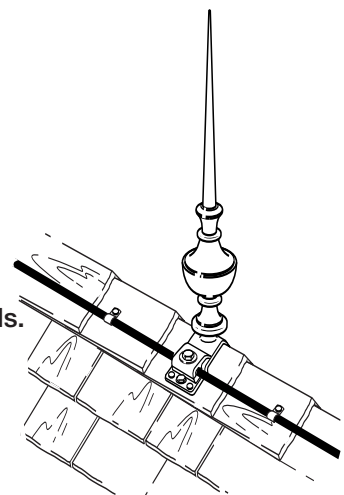


DT16B Cast bronze decorative finial with 3/8" (9.5mm) threaded stub. 16" (40.6cm) tall, largest section diameter 2-1/4" (57.2mm). Approximately 3 pounds (1.36kg).

DT116B Cast bronze decorative finial. Same as DT16B but with 1/2" (12.7mm) threaded stub.

DT16A Cast Aluminum. 1/2" (12.7mm) threaded stub. Approximately 1 pound (.45kg).

Bronze also available with 1/2" or 3/8" internal threads.



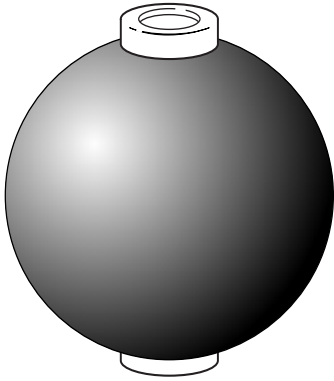
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Decorative Glass Balls

4-1/2 inch diameter decorative glass balls. Glass balls are reproduction antiques made using original molds. Ball surfaces are smooth and are imprinted with the year of manufacture. (No logos or other markings). Balls are fitted with 5/8" diameter copper end caps. Aluminum end caps also available. Mount on rod using ball bushings.

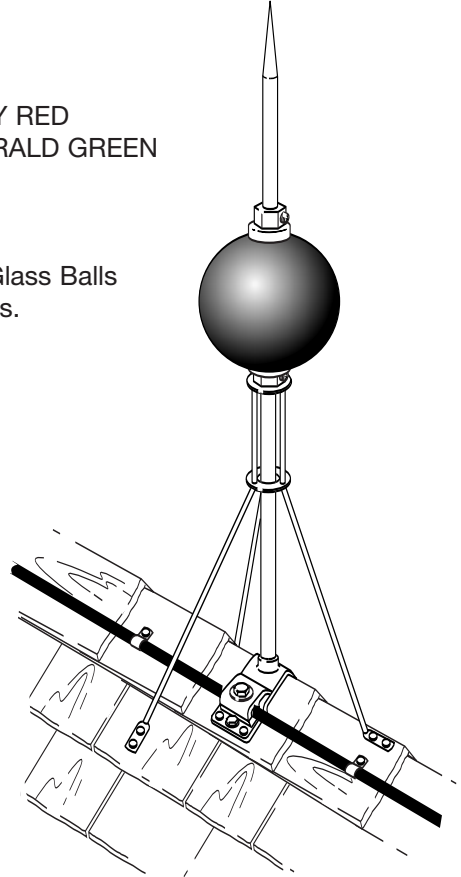
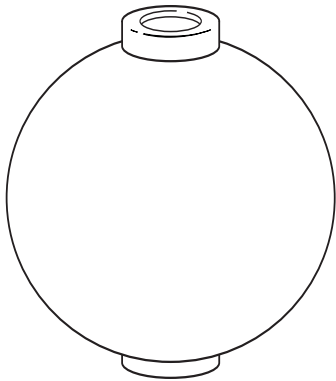


Available colors:

MILK WHITE
COBALT BLUE

RUBY RED
EMERALD GREEN

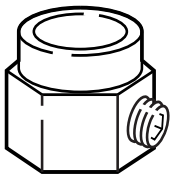
Other colors and sizes of the Decorative Glass Balls are available as special order items.



Glass Ball Bushings

Brass Bushing

Brass hex shoulder bushing for mounting glass balls.
Stainless steel set screw.
Specify rod diameter when ordering.
3/4" x 3/4" (19.05mm x 19.05mm).
Approximately 1.8 oz (51 grams).



Aluminum Bushing

Approximately .6 oz. (17 grams).

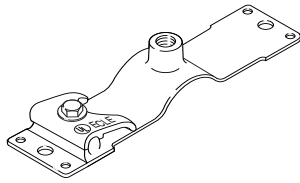


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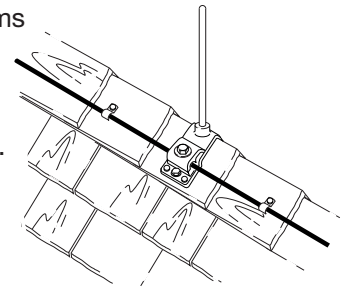
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Bolt Bases - BB

BB1B Ridge Saddle



A cast bronze malleable base which easily forms to ridges and other contoured surfaces. Has a 1-way bolt pressure cable holder. 5/16-18 stainless steel bolt and washer. 8" x 2" (20.3cm x 5.1cm); approximately 12 oz. (340 grams). Use suffix 3/8, 1/2 or 5/8 to denote air thread size.

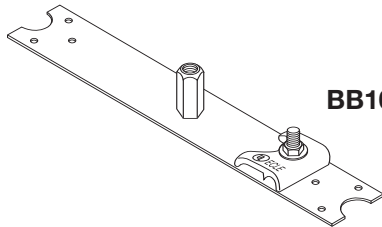


BB1A Aluminum

Approximately 4 oz. (113 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.

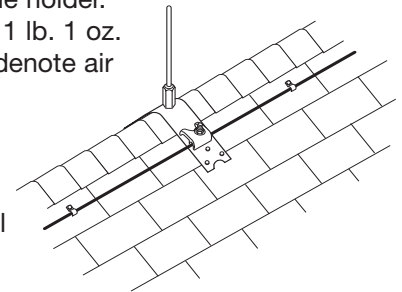
BB100B Strap Type Ridge Saddle

12" copper strap with hex stock boss for air terminal attachment and one-way cast bronze cable holder. 12" x 2" (30.5cm x 5.1cm); approximately 1 lb. 1 oz. (482 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



BB100A Aluminum

Approximately 9.3 oz. (264 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.

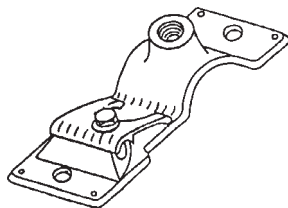


Odd Sized Ridge Cap? No Problem

BB100X Strap type saddle manufactured in the custom length you specify. Call with ridge dimensions for pricing. Also useful for skylights, atriums, under tiles, etc., where a longer strap is desirable.

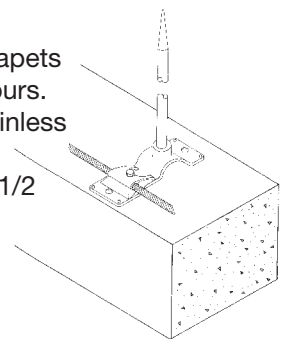
BB2B Malleable Top Mount

A cast bronze malleable base for use on sloped parapets and other pitched surfaces. Can be formed to contours. Has a 1-way bolt pressure cable holder. 5/16-18 stainless steel bolt and washer. 5-1/4" x 2" (13.3cm x 5.1cm); approximately 13 oz. (369 grams). Use suffix 3/8 or 1/2 or 5/8 to denote air terminal thread size.



BB2A Aluminum

Approximately 5 oz. (142 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



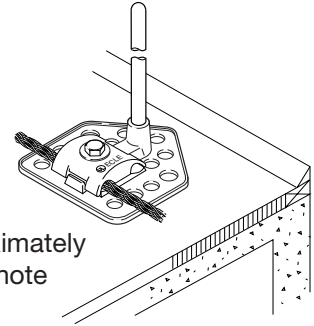
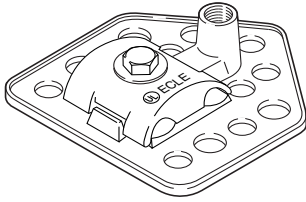
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Bolt Bases - BB

BB3B Adhesive Base

A cast bronze base with 2-way bolt pressure cable holder. Cap can be rotated 90 degrees. Suitable for use on built-up, single membrane, or other roof surfaces where mechanical penetrations must be avoided. For use with adhesives compatible to roof surface. 5/16-18 stainless steel bolt and washer. 4-1/4" x 4" (10.8cm x 10.2cm); approximately 16 oz. (454 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

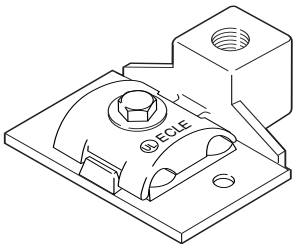


BB3A Aluminum

Approximately 6 oz. (170 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.

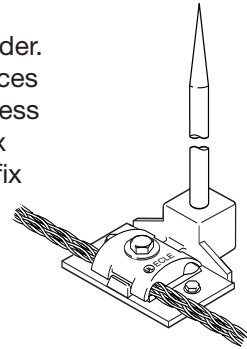
BB4B Top Mount

A cast bronze base with 2-way bolt pressure cable holder. Is suitable for parapets, flat machinery and other surfaces where mechanical mounting is possible. 5/16-18 stainless steel bolt and washer. 2-13/16" x 2-15/16" (71.44mm x 74.61mm); approximately 9.3 oz. (263 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



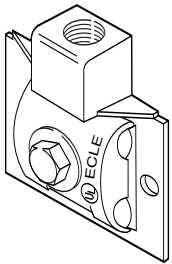
BB4A Aluminum

Approximately 4 oz. (113 grams). Use suffix 1/2 or 5/8 to denote air terminal size.



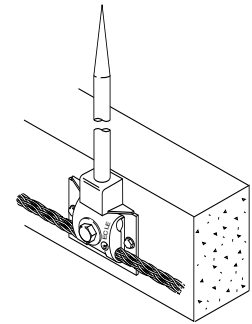
BB6B Side Mount

A cast bronze base with a 2-way bolt pressure cable holder. 5/16-18 stainless steel bolt and washer. 2-13/16" x 2-15/16" (71.44mm x 74.61mm). Approximately 9.3 oz. (263 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



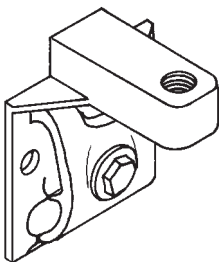
BB6A Aluminum

Approximately 4 oz. (133 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size



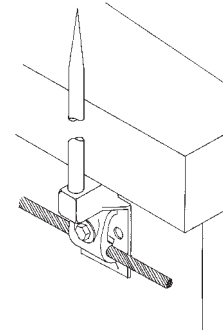
BB7B Off-Set Side Mount

A cast bronze base with a 1-way bolt pressure cable holder. 1-1/2" offset. 5/16-18 stainless steel bolt and washer. 2-3/8" x 2-3/4" x 2" (6cm x 7cm x 5.1cm); approximately 13 oz. (369 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

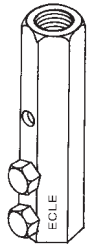


BB7A Aluminum

Approximately 5 oz. (142 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



Bolt Bases - BB



BB8B

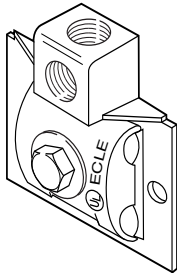
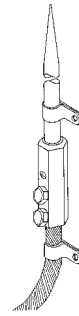
Cable To Threaded Rod

Hex brass 2-bolt splicer for cable to threaded rod or air terminal. 5/16-18 stainless steel bolt. 2-7/8" x 3/4" hex (7.3cm x 2.15cm); approximately 5 oz. (142 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB8A

Aluminum

Approximately 2 oz. (57 grams). 1/2" or 5/8" thread size. Also available with socket head set screws.



BB9B

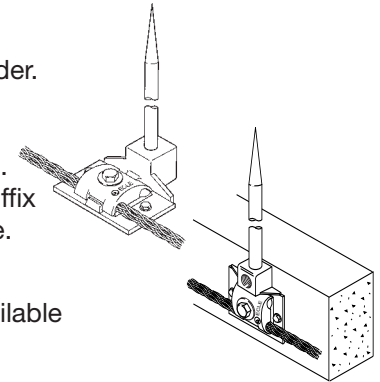
Dual Thread

A cast bronze base with a 2-way cable holder. Threaded for top or side mounting. 5/16-18 stainless steel bolt and washer. 2-13/16" x 2-15/16" (71.44mm x 74.61mm). Approximately 9.3 oz. (263 grams). Use suffix 3/8 or 1/2 to denote air terminal thread size.

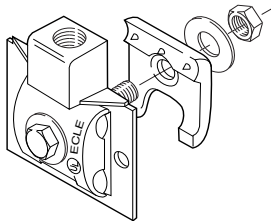
BB9A

Aluminum

Approximately 4 oz. (113 grams). Only available with 1/2" thread size.



Use suffix "S" to request optional stainless steel set screw.



BB10B

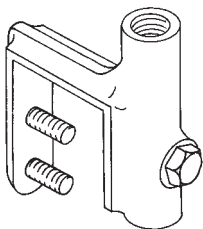
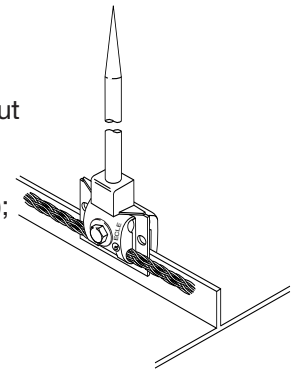
Standing Seam Base

A cast bronze base with two way bolt pressure cable connector. One-way bolt pressure clamp on backside joins the unit to a standing seam without penetration. Creates a strong and rigid base for parallel runs of cable. Stainless steel bolt, nut and washer. 2-13/16" x 2-15/16" (71.44mm x 76.61mm); approximately 9.3 oz. (263 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB10A

Aluminum

Approximately 5 oz. (142 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



BB11T

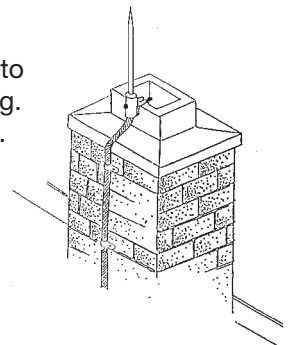
Flue Tile

Tinned cast bronze base for mounting air terminals to flue tiles. Has two stainless steel bolts for anchoring. 2-1/2" x 2-3/4" (6.4cm x 7cm); approximately 11 oz. (312 grams). Use suffix 3/8 or 1/2 to denote air terminal thread size.

BB11A

Aluminum

Approximately 4 oz. (113 grams). Use with 1/2" diameter air terminal.

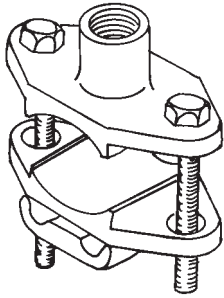


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Bolt Bases - BB



BB12B

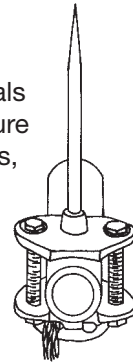
Horizontal Pipe Mount

A cast bronze base for horizontal mounting of air terminals on pipes up to 2" (5.1cm) in diameter. 2-way bolt pressure cable holder fits cables through 4/0. Stainless steel bolts, nuts and washers. 3-1/2" x 2" (8.9cm x 5.1cm); approximately 12 oz. (340 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB12A

Aluminum

Approximately 4 oz. (113 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



BB13B

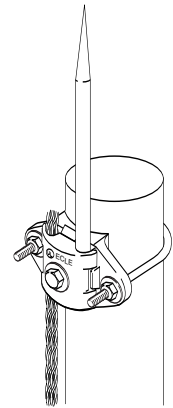
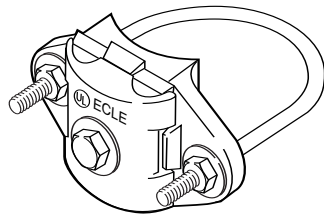
Vertical Pipe Mount

A cast bronze base for vertical mounting of air terminals on pipes up to 2" (5.1cm) in diameter. 2-way bolt pressure cable holder fits cables through 4/0. Can be used with or without cable. Stainless steel U-bolt, nuts and washers. 3-1/2" x 2" (8.9cm x 5.1cm); approximately 12 oz. (340 grams).

BB13A

Aluminum

Approximately 4 oz. (113 grams).



BB14B

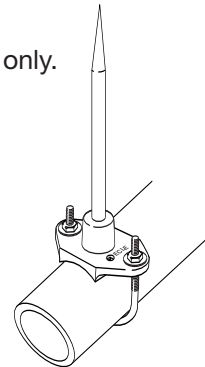
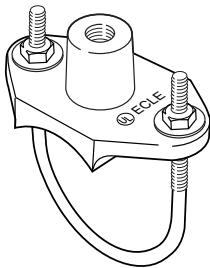
Horizontal Air Terminal Mount

A cast bronze base for horizontal air terminal mounting only. Fits pipes up to 2" (5.1cm) in diameter. Stainless steel U-bolt, nuts and washers. 3-1/2" x 2" (8.9cm x 5.1cm); approximately 11 oz. (312 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB14A

Aluminum

Approximately 3.5 oz. (99 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



BB16B

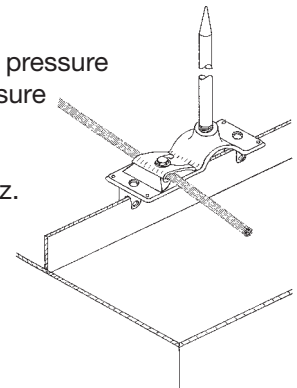
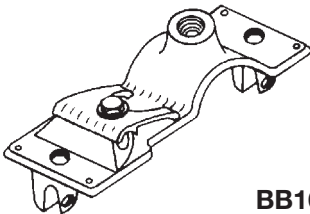
Across Standing Seam

A malleable cast bronze base with a 1-way bolt pressure cable holder and two non-penetrating bolt pressure fasteners. For use when cable is run across standing roof seam. Stainless steel bolts. 5-1/2" x 2" (14cm x 5.1cm); approximately 20 oz. (567 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB16A

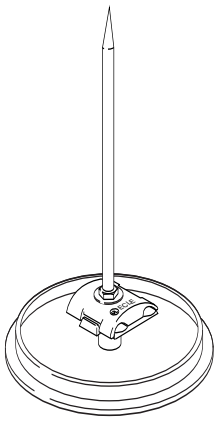
Aluminum

Approximately 7 oz. (198 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



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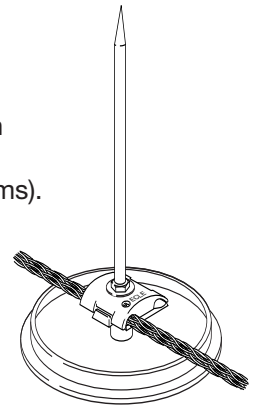


**BB19B****Bolt Bases - BB****Ballast Pan Base**

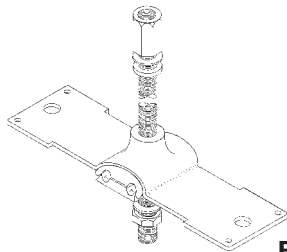
A cast bronze pan-type base for use on flat roofs. Pan is filled with concrete, stone or gravel to hold it in place. Comes with 2-way bolt pressure cable holder. 6" (15.25cm) diameter, approximately 25 oz. (709 grams). Requires a specially threaded air terminal. Specify air terminal size when ordering.

BB19A**Aluminum**

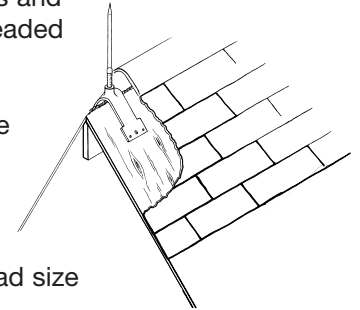
Approximately 8.3 oz. (235 grams). Specify air terminal size.

**BB20B****Concealed Ridge Saddle**

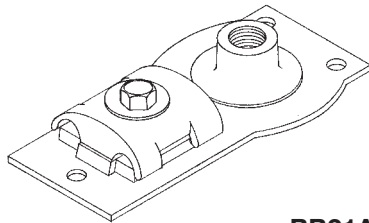
A cast bronze malleable base which can be concealed under the ridge cap. Base easily forms to ridges and other contoured surfaces. Comes with 1/2" threaded rod, lock-nut and air terminal coupling. 8" x 2" (20.3cm x 5.1cm); approximately 19.5 oz. (553 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

**BB20A****Aluminum**

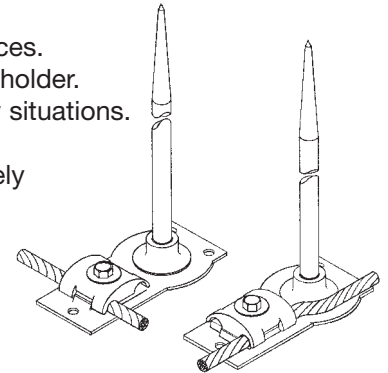
Approximately 9.6 oz. (272 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size

**BB21B****Two-Way Top Mount Base**

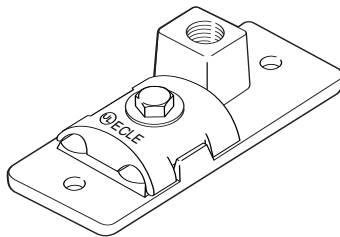
Cast bronze base for mounting to flat surfaces. Comes with a two-way bolt pressure cable holder. Versatile, narrow design works well in many situations. 5/16-18 stainless steel bolt and washer. 5" x 2-1/2" (12.7cm x 6.35cm); approximately 14.5 oz. (413 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

**BB21A****Aluminum**

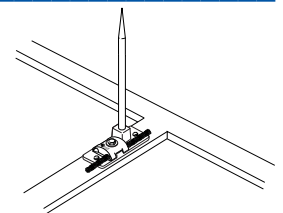
Approximately 5.2 oz. (148 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.

**BB22B****Narrow Top Mount**

Cast bronze base for mounting to narrow flat surfaces; comes with a two-way bolt pressure cable holder. Versatile narrow design works well in many situations. Stainless steel bolt and washer. Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size. 1-5/8" x 4-1/2" (41.28mm x 114.3mm); approximately 14.9 oz. (422 grams).

**BB22A****Aluminum**

Approximately 5 oz. (142 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



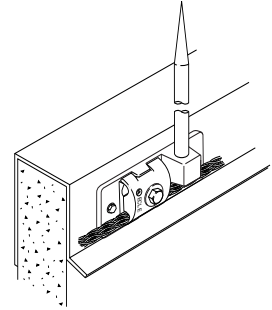
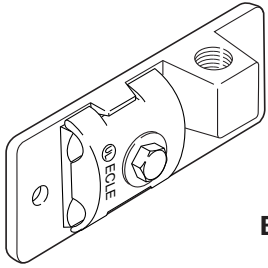
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Bolt Bases - BB

BB23B Narrow Horizontal Side Mount

Cast bronze base for side mounting to narrow horizontal surfaces. Two-way bolt pressure cable holder. Stainless steel bolt and washer. Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size. 1-5/8" x 4-1/2" (41.28mm x 114.3); approximately 14.9 oz. (422 grams).

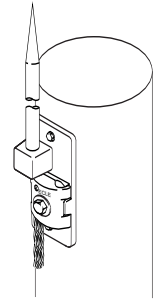
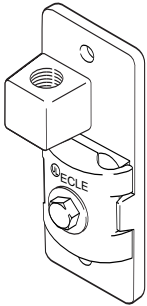


BB23A Aluminum

Approximately 5 oz. (142 grams).
Use suffix 1/2 or 5/8 to denote air terminal thread size.

BB24B Narrow Vertical Side Mount

Cast bronze base for side mounting to narrow vertical surfaces. Two-way bolt pressure cable holder. Stainless steel bolt and washer. Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size. 1-5/8" x 4-1/2" (41.28mm x 114.3mm); approximately 14.9 oz. (422 grams).

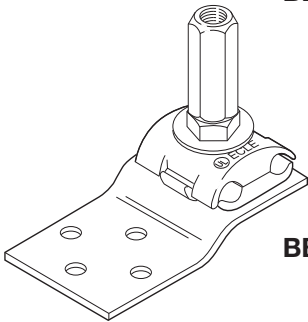


BB24A Aluminum

Approximately 5 oz. (142 grams).
Use suffix 1/2 or 5/8 to denote air terminal thread size.

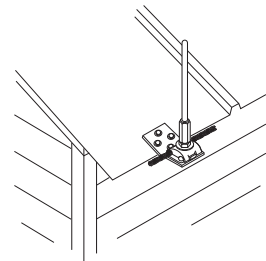
BB25B Adjustable Base

Copper/bronze base easily conforms to flat or pitched surfaces. Pressed copper bottom measures 2" x 4" (5.1cm x 10.2cm). Cast bronze two-way cable holder with brass hex air terminal receptacle. Stainless steel fasteners. Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size. Approximately 12.4 oz. (349 grams).



BB25A Aluminum

Approximately 6.5 oz. (183 grams).
Use suffix 1/2 or 5/8 to denote air terminal thread size.



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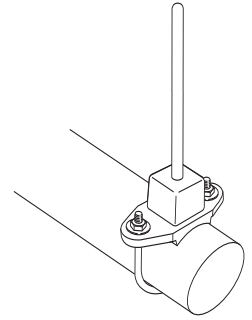
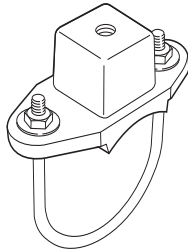
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Bolt Bases - BB

BB26B

Horizontal Pipe Top Mount

Cast bronze base with stainless steel U-bolt, nuts and washers. Fits pipes up to 3" OD. For mounting air terminals to the top of horizontal pipes or railings where conductor is not required. 4.25" x 1.5" (10.8 cm x 3.8 cm) Approximately 17.6 oz. (498 grams) Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



BB26A

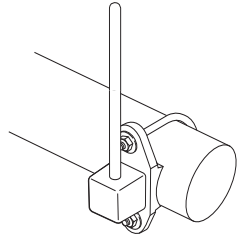
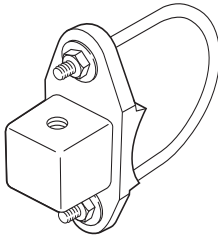
Aluminum

Approximately 7.5 oz. (212 grams)
Use suffix 1/2 or 5/8 to denote air terminal thread size

BB27B

Horizontal Pipe Side Mount

Cast bronze base with stainless steel U-bolt, nuts and washers. Fits pipes up to 3" OD. For mounting air terminals to the side of horizontal pipes or railings where conductor is not required. 4.25" x 1.5" (10.8 cm x 3.8 cm) Approximately 17.6 oz. (498 grams) Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



BB27A

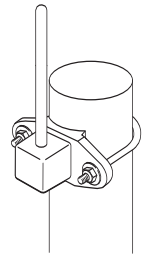
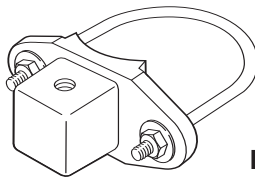
Aluminum

Approximately 7.5 oz. (212 grams)
Use suffix 1/2 or 5/8 to denote air terminal thread size

BB28B

Vertical Pipe Mount

Cast bronze base with stainless steel U-bolt, nuts and washers. Fits pipes up to 3" OD. For mounting air terminals to vertical pipes or railings where conductor is not required. 4.25" x 1.5" (10.8 cm x 3.8 cm) Approximately 17.6 oz. (498 grams) Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



BB28A

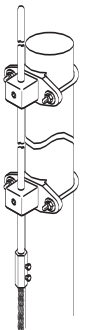
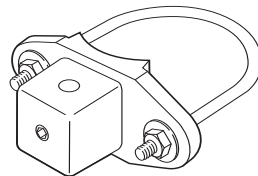
Aluminum

Approximately 7.5 oz. (212 grams)
Use suffix 1/2 or 5/8 to denote air terminal thread size

BB29B

Vertical Pipe Mount with Set Screw

Cast bronze base with stainless steel U-bolt, nuts and washers. Fits pipes up to 3" OD. For mounting air terminals to vertical pipes or railings where conductor is not required. Threaded to accept set screw for locking air terminals in place. 4.25" x 1.5" (10.8 cm x 3.8 cm) Approximately 17.6 oz. (498 grams) Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



BB29A

Aluminum

Approximately 7.5 oz. (212 grams)
Use suffix 1/2 or 5/8 to denote air terminal thread size

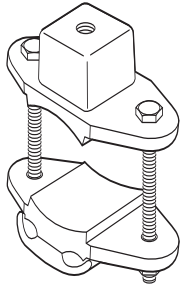


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Bolt Bases - BB



BB30B

Horizontal Pipe - Top Mount with Cable Holder

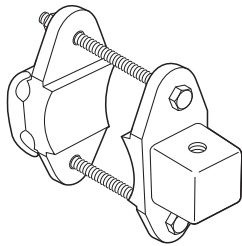
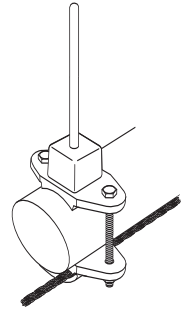
Cast bronze base for mounting air terminals to the top of horizontal pipes or railings up to 3" OD. 2-way bolt pressure cable holder fits cables up to 4/0. 4" (10.2 cm) stainless steel bolts, nuts, washers. 4.5" x 1.5" (11.4 cm x 3.8 cm) (Approximately 855 grams) Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB30A

Aluminum

Approximately 11.5 oz. (325 grams)

Use suffix 1/2 or 5/8 to denote air terminal thread size



BB31B

Horizontal Pipe - Side Mount with Cable Holder

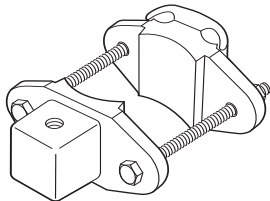
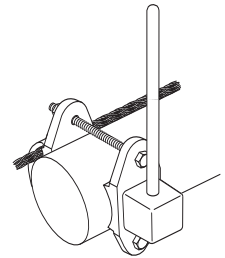
Cast bronze base for mounting air terminals to the side of horizontal pipes or railings up to 3" OD. 2-way bolt pressure cable holder fits cables up to 4/0. 4" (10.2 cm) stainless steel bolts, nuts, washers. 4.5" x 1.5" (11.4 cm x 3.8 cm) (Approximately 855 grams) Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB31A

Aluminum

Approximately 11.5 oz. (325 grams)

Use suffix 1/2 or 5/8 to denote air terminal thread size



BB32B

Vertical Pipe Mount with Cable Holder

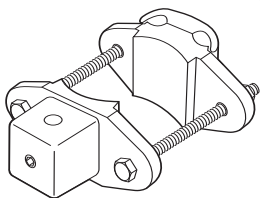
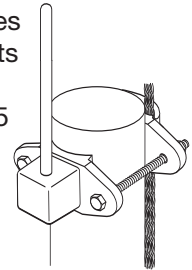
Cast bronze base for mounting air terminals to vertical pipes or railings up to 3" OD. 2-way bolt pressure cable holder fits cables up to 4/0. 4" (10.2 cm) stainless steel bolts, nuts, washers. 4.5" x 1.5" (11.4 cm x 3.8 cm) (Approximately 855 grams) Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB32A

Aluminum

Approximately 11.5 oz. (212 grams)

Use suffix 1/2 or 5/8 to denote air terminal thread size



BB33B

Vertical Pipe Mount with Set Screw

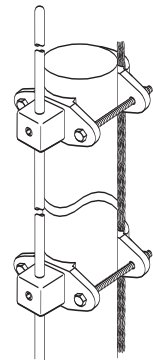
Cast bronze base for mounting air terminals to the top of vertical pipes up to 3" OD. 2-way bolt pressure cable holder fits cables up to 4/0. 4" (10.2 cm) stainless steel bolts, nuts, washers. 4.5" x 1.5" (11.4 cm x 3.8 cm) (Approximately 855 grams) Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB33A

Aluminum

Approximately 11.5 oz. (212 grams)

Use suffix 1/2 or 5/8 to denote air terminal thread size

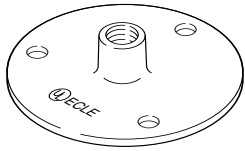


Point Mounts - PM

PM1B

Round

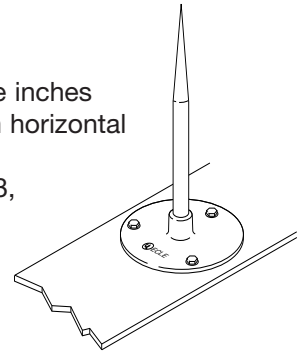
A cast bronze base with no cable holder. 8 square inches of contact. For direct mounting of air terminals on horizontal steel surfaces or vents. 3-1/4" (8.26cm) diameter; approximately 6.75 oz. (191 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



PM1A

Aluminum

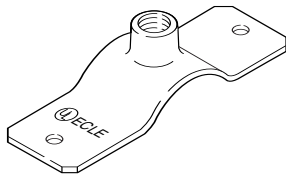
Approximately 2.25 oz. (64 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



PM2B

Bump Back

A cast malleable bronze base with no cable holder. For use on contoured or sloped surfaces. 1-1/2" x 4-1/4" (3.8cm x 10.8cm); approximately 5 oz. (142 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



PM2A

Aluminum

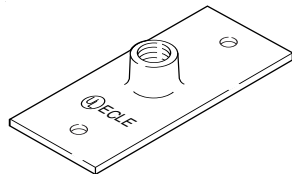
Approximately 1.6 oz. (45 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



PM3B

Flat Back

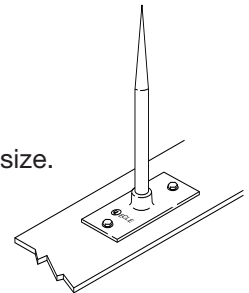
A cast malleable bronze base with no cable holder. For use on flat or contoured surfaces. 2" x 4" (5.1cm x 10.2cm); approximately 5 oz. (142 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



PM3A

Aluminum

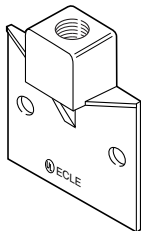
Approximately 2 oz. (57 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



PM5B

Side Mount

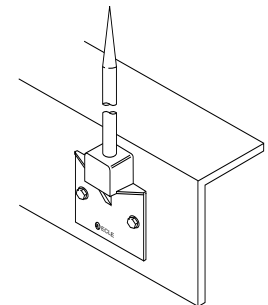
A cast bronze base with no cable holder. 2-15/16" x 2-15/16" (7.5cm x 7.5cm); approximately 7.5 oz. (213 grams). Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.



PM5A

Aluminum

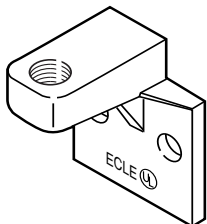
Approximately 2.5 oz. (71 grams). Use suffix 1/2 or 5/8 to denote air terminal thread size.



PM7B

Offset Side Mount

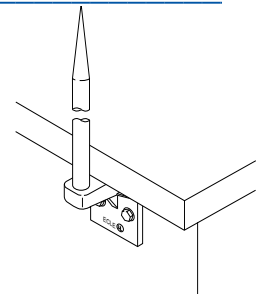
Cast bronze base with no cable holder. For direct mounting of air terminals on vertical surfaces where an off-set is necessary. Offset is 1-1/2" (38.1mm). 2-1/8" x 2" (53.98mm x 50.8mm); approximately 9.6 oz. (272 grams).



PM7A

Aluminum

Approximately 3.2 oz. (91 grams).



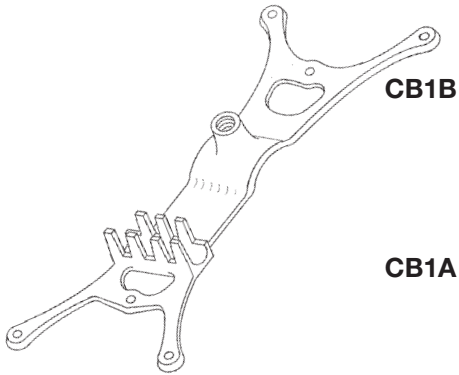
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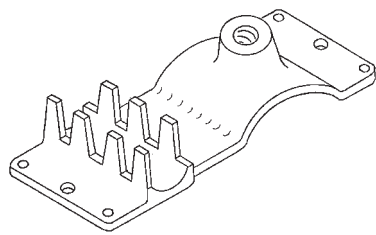
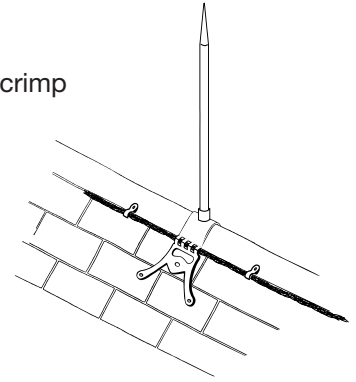
Crimp Bases - CB (for Class I installations)

**CB1B****Ridge Saddle**

Cast bronze malleable ridge saddle with crimp cable holder. 3/8" thread only.
4" x 8-1/2" (10.2cm x 21.6cm);
approximately 7.5 oz. (213 grams).

CB1A**Aluminum**

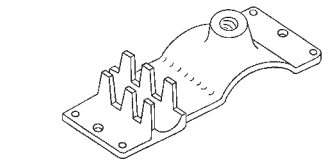
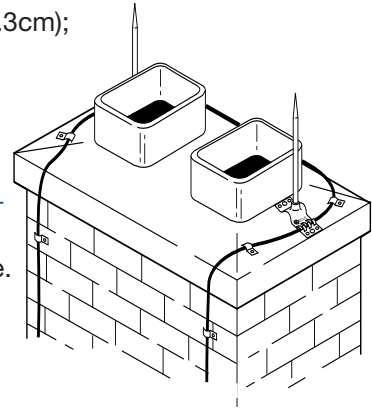
1/2" thread only.
4-1/2" x 10-3/4" (11.4cm x 27.3cm);
approximately 5 oz. (142 grams).

**CB2B****Flat Top**

Cast bronze malleable masonry or parapet base with crimp cable holder. Available with 3/8" or 1/2" thread. 2" x 5-1/4" (5.1cm x 13.3cm);
approximately 10.5 oz. (213 grams).

CB2A**Aluminum**

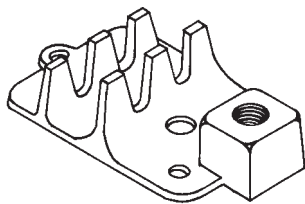
1/2" thread only.
Approximately 3.5 oz. (142 grams).

**CB2BM****Masonry Base**

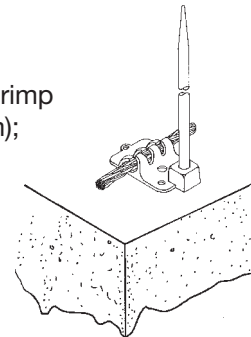
Cast bronze malleable masonry base.
3/8" thread only.
1-1/2" x 4-7/8" (3.8cm x 12.4cm);
approximately 6.2 oz. (176 grams).

CB2TM**Tinned**

Approximately 6.2 oz. (176 grams).

**CB4B****Top Mount**

Cast bronze malleable top mount base with crimp cable holder. 1-7/8" x 3-1/8" (4.75cm x 7.9cm);
(3/8" thread only) approximately 5.5 oz.
(156 grams).

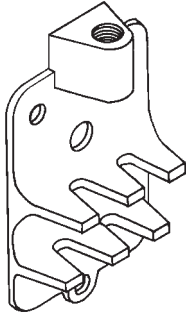


NOTE: Copper & bronze fittings are also available tinned.

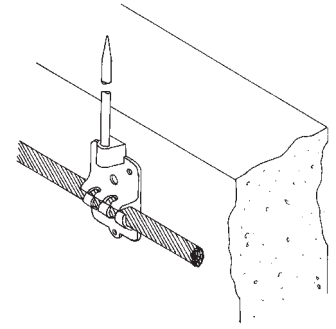


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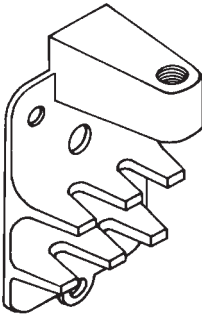
Crimp Bases - CB



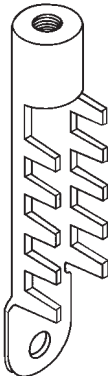
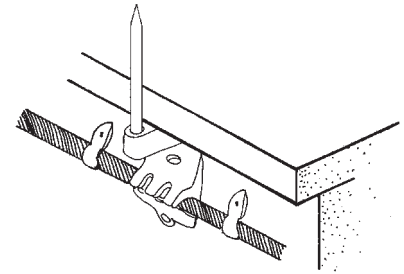
- CB5B Side Mount**
Cast bronze malleable side mount base with crimp cable holder.
1-7/8" x 3-1/8" (4.75cm x 8.3cm);
approximately 5.5 oz. (156 grams).
3/8" thread shown.
Also available for 1/2" thread.



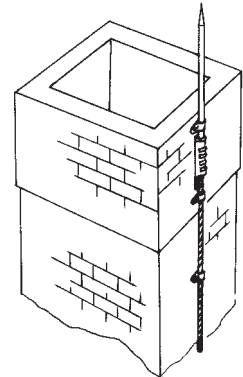
- CB5A Aluminum**
2" x 4" (5.1cm x 10.2cm);
approximately 2.4 oz. (68 grams).
1/2" thread only.



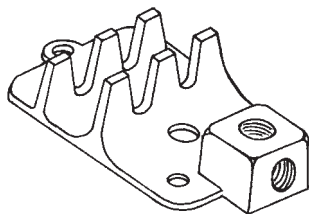
- CB7B Off-Set**
Cast bronze malleable side mount base with 1-3/8" (3.5cm) offset and crimp cable holder.
1-7/8" x 1-1/8" (4.75cm x 8.25cm);
approximately 7.5 oz. (213 grams).
3/8" thread only.



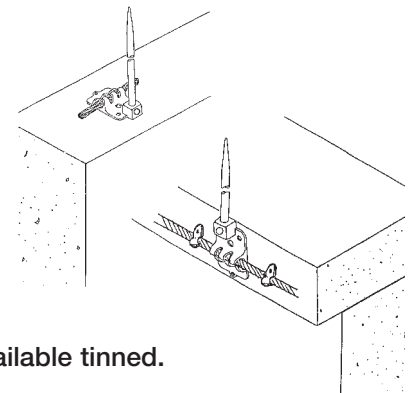
- CB8B Cable-3/8"**
Cast bronze malleable cable to 3/8" threaded rod or air terminal base. Crimp cable holder. 5/8" x 4-1/2" (1.6cm x 11.4cm); approximately 4 oz. (113 grams).
3/8" thread only.



- CB8T Tinned**
Approximately 4 oz. (113 grams).



- CB9B Dual Threaded**
Cast bronze malleable dual 3/8" threaded base for side or top mounting. Crimp cable holder.
1-7/8" x 3-1/8" (4.75cm x 3.13cm);
approximately 5.5 oz. (156 grams).
Use suffix "S" to request optional set screw.



NOTE: Copper & bronze fittings are also available tinned.

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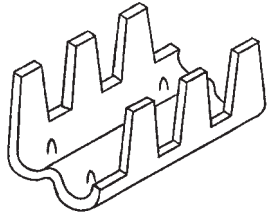


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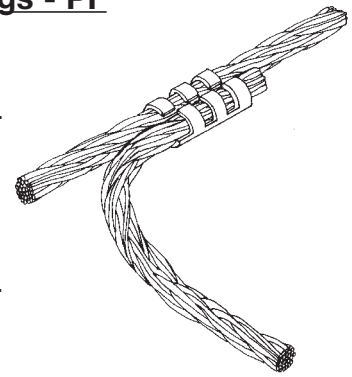
e-mail: info@ecle.biz
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Crimp Fittings - CF Pressed Fittings - PF

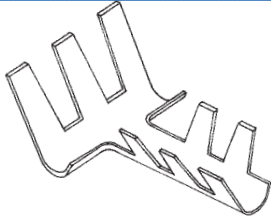
TWINS



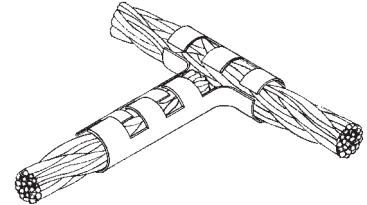
- CF1B** **Cast Soft Bronze**, crimp parallel cable splicer.
2" x 1-3/16" (5.1cm x 3cm); approximately
2.5 oz. (71 grams).
- CF1T** **Tinned**
- PF1C** **Stamped Copper**, crimp parallel cable splicer.
- PF1A** **Stamped Aluminum**



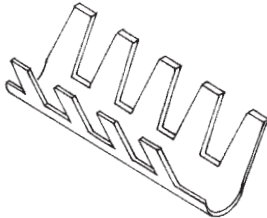
TEES



- PF2C** **Stamped Copper**, crimp perpendicularly
dissecting cable splicer.
- PF2T** **Tinned**
- PF2A** **Stamped Aluminum**



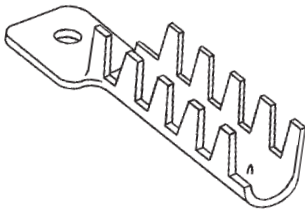
STRAIGHTS



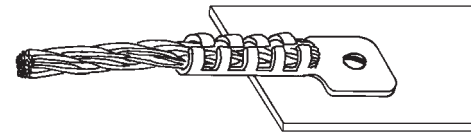
- PF3C** **Stamped Copper**, crimp in-line
abutting cable splicer.
- PF3T** **Tinned**
- PF3A** **Stamped Aluminum**



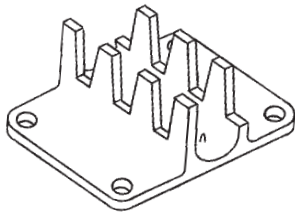
BONDING LUGS



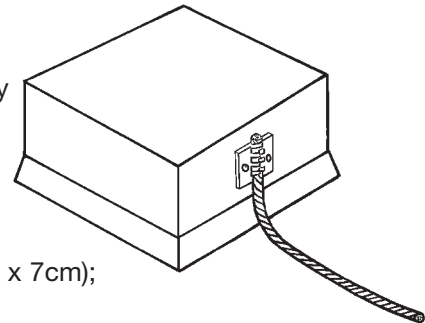
- CF4B** **Cast Soft Bronze**, crimp splicer for cable to metallic body connections.
Use for inter-connections to door tracks, eave troughs, etc.
Approximately 5/8" x 3-1/2" (1.59cm x 8.9cm); 2.3 oz. (65 grams).
- CF4T** **Tinned**
Approximately 2.3 oz. (65 grams).
- CF4A** **Cast Aluminum**
Approximately 1.5 oz. (43 grams).



BONDING PLATES



- CF6B** **Cast Soft Bronze**, crimp cable to
metallic surface fitting. Approximately
1-13/16" x 2-3/8" (4.6cm x 6cm);
3.5 oz. (99 grams).
- CF6T** **Tinned**
- CF6A** **Cast Aluminum**
Approximately 2-1/8" x 2-3/4" (5.4cm x 7cm);
2 oz. (57 grams).

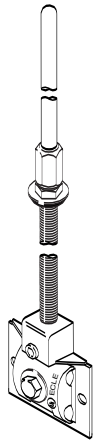


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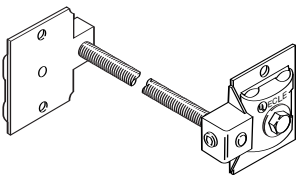
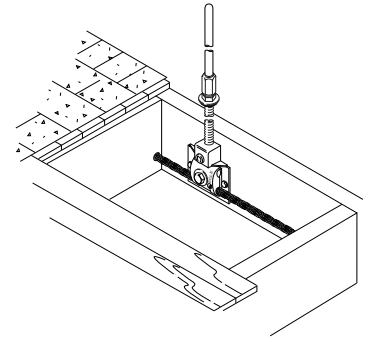
Thru-Structure Assemblies - TS



**** TS1**

Thru-Roof Assembly

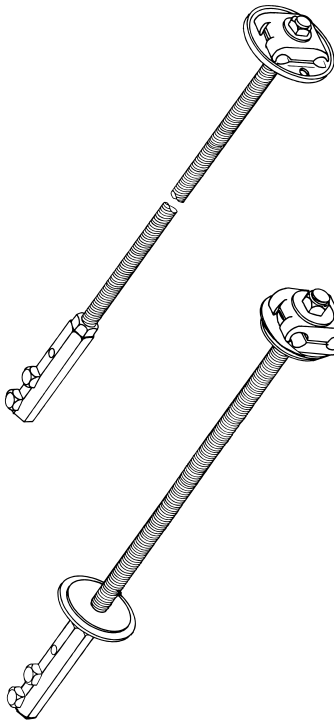
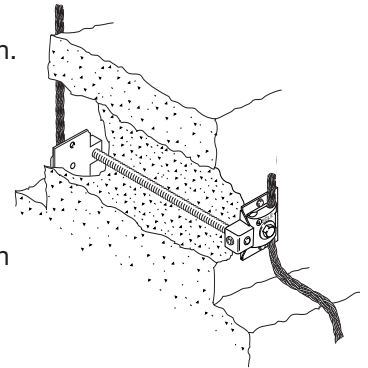
Supplied with 12" (30.5cm) threaded rod, stainless steel locking set screws, EPDM washer, stainless steel washer and nut, rod to air terminal coupling and 12" (30.5cm) air terminal.



**** TS2**

Thru-Roof or Wall Assembly

Supplied with 12" (30.5cm) threaded rod, stainless steel locking set screws and bolt pressure cable holder. The fittings are available in aluminum, bronze or one of each.



**** TS3**

Thru-Roof or Wall Assembly

For right angle to straight tap. Supplied with 12" (30.5cm) threaded rod, nut and EPDM washer. The fittings are available in aluminum, bronze or one of each.

**** TS4**

Thru-Roof or Wall Assembly

For right angle to straight tap. Supplied with 12" (30.5cm) threaded rod, 2 stainless steel fender washers, 2 EPDM washers, 2 nuts and a fully adjustable bolt pressure cable holder. The fittings are available in aluminum, bronze or one of each.

****** When ordering Thru-Structure Assemblies – specify material, threaded rod length and diameter. Many lengths and connectors are available for special connections. Call the factory with your specific needs.

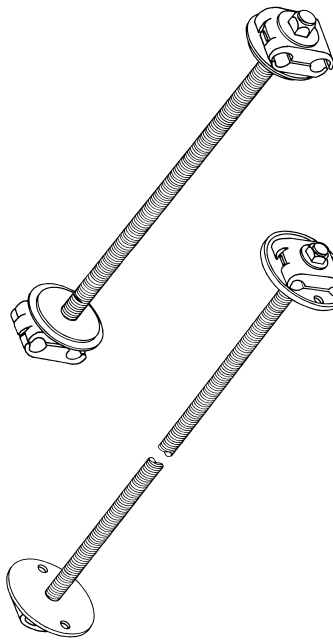
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Thru-Structure Assemblies - TS



** TS5

Thru-Roof or Wall Assembly

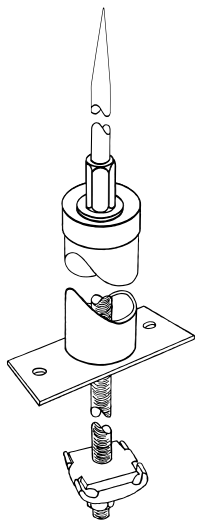
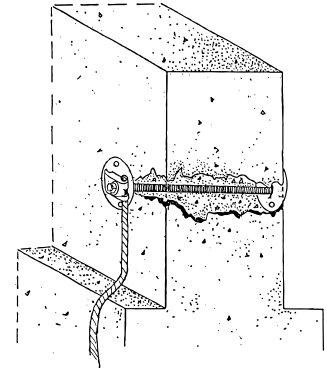
For right angle connections. Supplied with 12" (30.5cm) threaded rod, 2 stainless steel fender washers, 2 EPDM washers, 2 nuts and fully adjustable cable holders.

The fittings are available in aluminum, bronze or one of each.

** TS6

Thru-Roof or Wall Assembly

Connector end has mounting holes for direct attachment to concrete or other surfaces. Supplied with 12" (30.5cm) threaded rod. The fittings are available in aluminum, bronze or one of each.



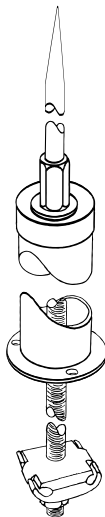
** TS7

Thru-Structure Assemblies for 1-1/2" Diameter PVC - TS

Rectangle Mount -

Air Terminal To Horizontal Cable Assembly

Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 12" (30.5cm) of Schedule 40 PVC tubing, fully adjustable bolt pressure cable holder, EPDM washer, stainless steel hardware, rod to air terminal coupling, 12" (30.5cm) air terminal and 2" x 4" (5.1cm x 10.2cm) mount to fit corrugated steel decking or for fastening to any flat surface.

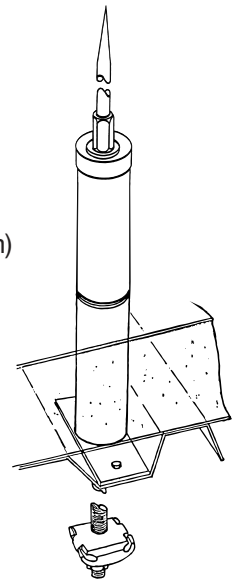


** TS8

Round Mount -

Air Terminal To Horizontal Cable Assembly

Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 12" (30.5cm) of Schedule 40 PVC tubing, fully adjustable bolt pressure cable holder, EPDM washer, stainless steel hardware, rod to air terminal coupling, 12" (30.5cm) air terminal and 3-1/4" (8.3cm) diameter mount for fastening to flat decking.



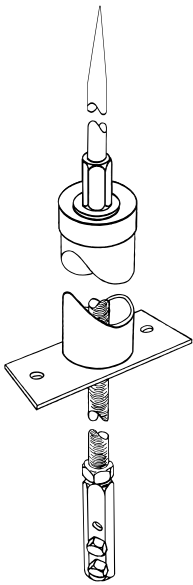
** When ordering Thru-Structure Assemblies – specify material, threaded rod length and diameter. Many lengths and connectors are available for special connections. Call the factory with your specific needs.



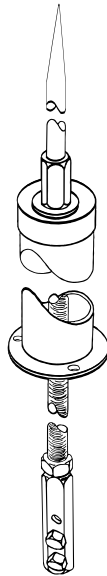
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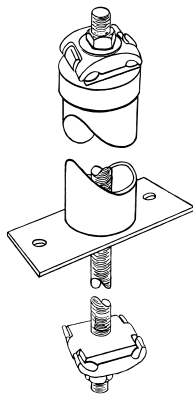
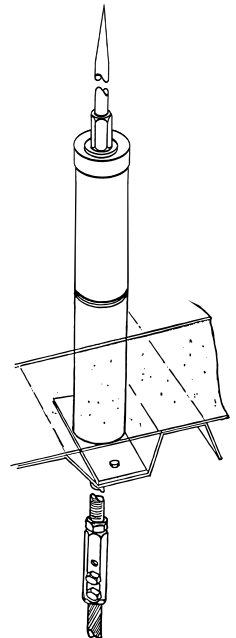
Thru-Structure Assemblies for 1-1/2" Diameter PVC - TS



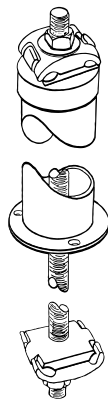
- ** TS9 Rectangle Mount -
Air Terminal To Vertical Cable Assembly**
Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 12" (30.5cm) of Schedule 40 PVC tubing, EPDM washer, stainless steel hardware, rod to air terminal coupling, 12" (30.5cm) air terminal and 2" x 4" (5.1cm x 10.2cm) mount to fit corrugated steel decking or for fastening to any flat decking.



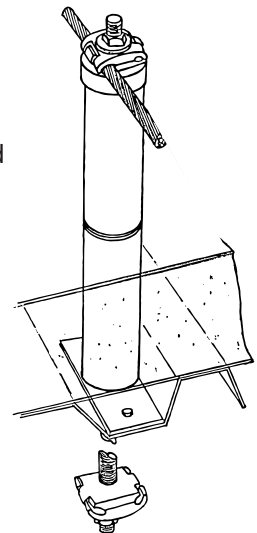
- ** TS10 Round Mount -
Air Terminal To Vertical Cable Assembly**
Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 12" (30.5cm) of Schedule 40 PVC tubing, EPDM washer, stainless steel hardware, rod to air terminal coupling, 12" (30.5cm) air terminal and 3-1/4" (8.3cm) diameter mount for fastening to flat decking.



- ** TS11 Rectangle Mount -
Cable To Horizontal Cable Assembly**
Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 12" (30.5cm) of Schedule 40 PVC tubing, stainless steel hardware, fully adjustable bolt cable holder, and 2" x 4" (5.1cm x 10.2cm) mount to fit corrugated steel decking or for fastening to flat decking.



- ** TS12 Round Mount -
Cable To Horizontal Cable Assembly**
Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 12" (30.5cm) of Schedule 40 PVC tubing, stainless steel hardware, fully adjustable bolt cable holder, and 3-1/4" (8.3cm) diameter mount for fastening to flat decking.



** When ordering Thru-Structure Assemblies – specify material, threaded rod length and diameter. Many lengths and connectors are available for special connections. Call the factory with your specific needs.

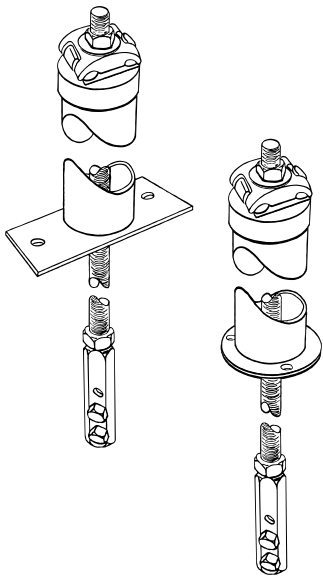


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Thru-Structure Assemblies for 1-1/2" Diameter PVC - TS

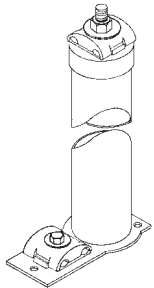
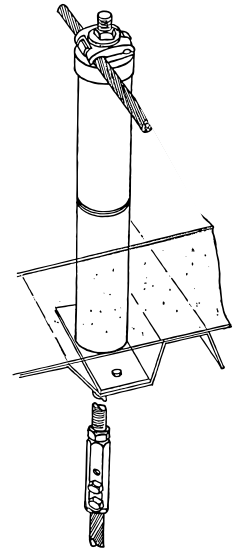


**TS13 Rectangle Mount - Cable To Vertical Cable Assembly

Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 12" (30.5cm) of Schedule 40 PVC tubing, stainless steel hardware, and 2" x 4" (5.1cm x 10.2cm) mount to fit corrugated steel decking or for fastening to any flat decking.

**TS14 Round Mount - Cable to Vertical Cable Assembly

Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 12" (30.5cm) of Schedule 40 PVC tubing, stainless steel hardware, and 3-1/4" (8.3cm) diameter mount for fastening to flat decking.



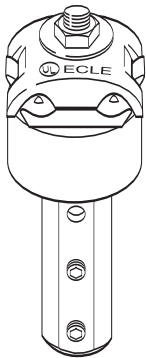
**TS15 Deckmount Assembly

Supplied with 18" (45.7cm) of 1/2-13 threaded rod, 16" (40.6cm) of Schedule 40 PVC tubing, BB21 base and CC2 top, both have fully adjustable cable holders. Stainless steel hardware. Easily mounts to flat or corrugated decking.



TS16B 1" PVC Capped Assembly

1" diameter PVC cap for dropping cable into the top end of 1" PVC conduit chases. Top end has a two-way bronze cable holder, stainless steel hardware and EPDM washer. Bottom has a brass hex cable holder with stainless steel set screws and nut. 3 inches of 1/2" diameter stainless steel threaded rod runs between. 5-1/4" x 2-1/2" (13.3cm x 6.35cm).



TS16A Aluminum

1" diameter PVC Cap with Aluminum cable holders.

TS16 Bimetal

1" diameter PVC Cap with Aluminum Top and Brass Bottom



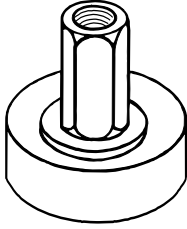
** When ordering Thru-Structure Assemblies – specify material, threaded rod length and diameter. Many lengths and connectors are available for special connections. Call the factory with your specific needs.



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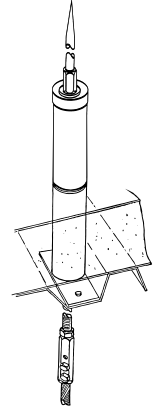
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Conduit Caps - CC



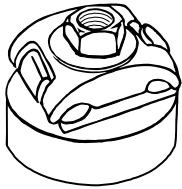
CC1B Air Terminal Conduit Cap

A cast bronze cap machined to fit snugly on Schedule 40 1-1/2" (3.8cm) PVC tubing. Threaded to accept 1/2-13 threaded rod. Comes with rod coupling to attach air terminal, 1/2" EPDM washer and 1/2" flat washer. Approximately 4.5 oz. (128 grams). Use suffix 3/8 or 1/2 to denote air terminal thread size.



CC1A Aluminum

Approximately 1.3 oz. (37 grams).
Use suffix 1/2 or 5/8 to denote air terminal thread size.



CC2B Conduit Cap

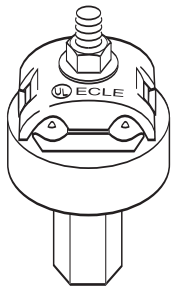
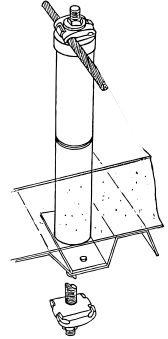
A cast bronze cap machined to fit snugly on Schedule 40 1-1/2" (3.8cm) PVC tubing. Threaded to accept 1/2-13 threaded rod. Comes with 1/2" flat washer and 1/2" nut. Approximately 9.0 oz. (255 grams).

CC2A Aluminum

Approximately 3.4 oz. (96 grams).

CC2T Tinned

Approximately 9.0 oz. (255 grams).

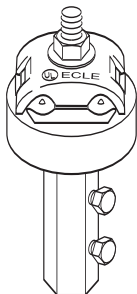


CC3B Conduit Cap to Threaded Rod

Cast bronze cap with bolt pressure cable holder machined to fit snugly over 1-1/2" Schedule 40 PVC conduit. Internally threaded brass hex stock adapter extends below. Stainless steel nut and washer. Overall height 2.8" (7cm). Approximately 12.8 oz. (363 grams). Specify 3/8 or 1/2 internal thread size when ordering.

CC3A Aluminum

Approximately 4.8 oz. (136 grams).
Specify 1/2 or 5/8 internal thread size when ordering.



CC4B Conduit Cap to Cable

Cast bronze cap with bolt pressure cable holder machined to fit snugly over 1-1/2" Schedule 40 PVC conduit. Has brass hex stock bolt pressure cable holder extending below. Stainless steel bolts, nuts and washer. Overall height 4.2" (10.6CM). Approximately 15.2 oz. (431 grams).

CC4A Aluminum

Approximately 5.6 oz. (159 grams).



Conduit Bushing

A brass conduit bushing to be used with 1/2" copper pipe cable guards. Has set screw for bonding cable to copper pipe. 7/8" x 3/4" (2.22cm x 1.9cm); approximately 1.1 oz. (31.2 grams).

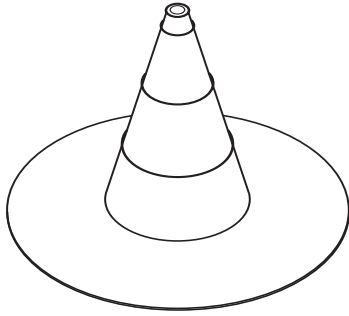


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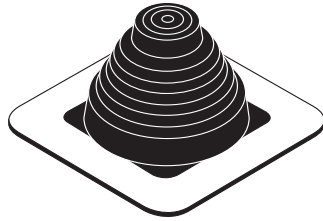
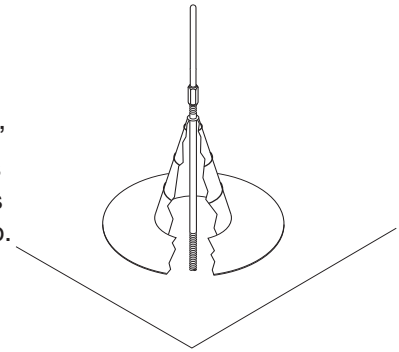
Roof Penetration Flashing



Rubber Boot

For single membrane roof penetrations. EPDM flashing boot is 6" tall with 10-1/2" diameter skirt. For use on rods and pipes with outside diameters 1/2" to 3". Comes with stainless steel adjustable pipe clamp. Mount with compatible roof adhesive.

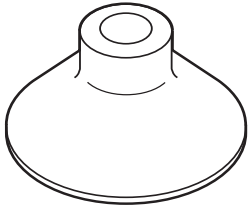
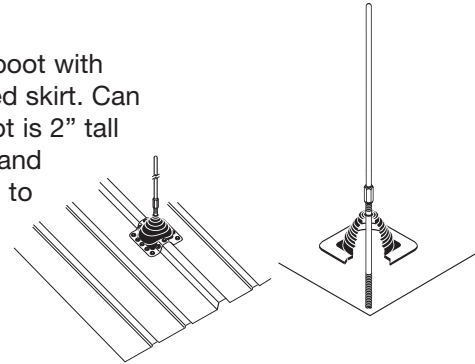
Other sizes available, call factory.



Metal/Rubber Boot

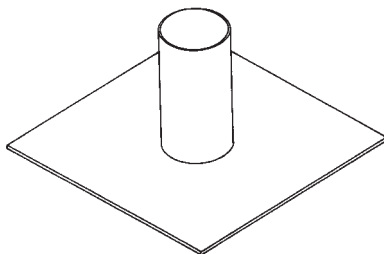
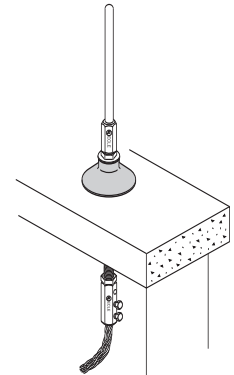
For metal roof penetrations. EPDM boot with integrated, flexible aluminum trimmed skirt. Can be molded to metal roof seams. Boot is 2" tall and 4-1/2" square. For use on rods and pipes with outside diameters of 1/4" to 2". Mount with stainless steel fasteners.

Also available in Silicone Rubber.



Aluminum Sealing Cone

Cast aluminum sealing cone for thru-roof penetrations. Cone can be filled with sealant compatible with roof material and drawn down to provide a moisture resistant seal. Diameter of center hole is 1/2" (12.7mm). 3" x 1-1/2" (76mm x 38mm). Approximately 2.2 oz. (62 grams).



Pitch Pocket

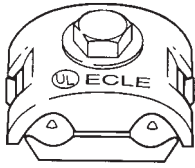
Pitch Pockets are available in custom sizes to meet your special requirements. Standard pitch pocket is .032 x 6 x 6 inch square (.08cm x 15.2cm x 15.2cm) with a 4" (10.16cm) riser that is 3/4" (1.9cm) in diameter.

Call factory for details.

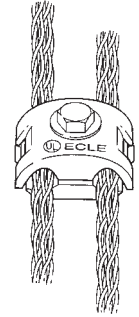


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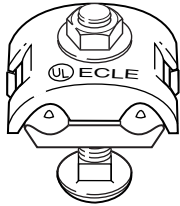
Bolt Fittings - BF



- BF1B Round-Round**
Cast bronze, bolt pressure cable to cable or cable to rod clamp. 1-1/4" stainless steel hex head bolt and washer. 1-9/16" x 1-3/4" (4cm x 4.45cm); approximately 6.3 oz. (179 grams).

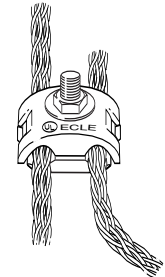


- BF1BM Modified Round-Round**
Cast Bronze, as above with shorter 1" hex head bolt.
- BF1A Aluminum**
Approximately 3 oz. (85 grams).

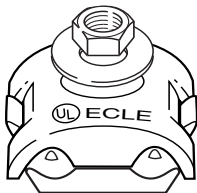


US PATENT NO. 424, 924

- BF100B Round-Round** *US PATENT NO. 424, 924*
Cast bronze bolt pressure cable to cable or cable to rod clamp. 1-1/2" stainless steel carriage bolt. Specifically designed for cable splices on single membrane roofs. 1-9/16" x 1-3/4" (39.7mm x 44.45mm); approximately 7.6 oz. (215 grams).



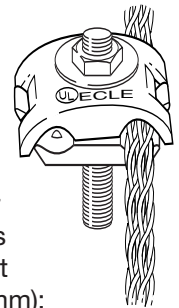
- BF100A Aluminum**
Approximately 3 oz. (85 grams).



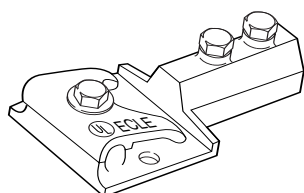
- BF1BX Round to Round "Drilled Out"**
Cast bronze bottom and two-way cap for joining cable to rod. Bottom is drilled out but not threaded. Stainless steel washer and nut included. 1-9/16" x 1-3/4" (39.7mm x 44.45mm); approximately 6.8 oz. (193 grams).

- BF1AX Aluminum**
Approximately 2.3 oz. (65 grams).

- BF1BX1/2 Round To Round "Spin On"**
Cast bronze bottom and two-way cap with 1/2" diameter threaded hole for joining cable to threaded rod. Bottom is drilled and threaded for 1/2" (12.7mm). Stainless steel nut and washer included. 1-9/16" x 1-3/4" (39.7mm x 44.45mm); approximately 6.8 oz. (193 grams).

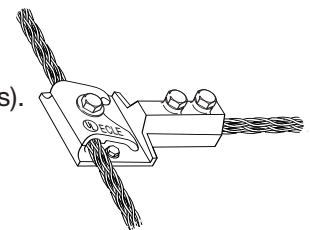


- BF1AX1/2 Aluminum**
Approximately 2.3 oz. (65 grams).



- BF2B Tee**
Cast bronze pressure "tee" splicer. Stainless steel bolts and washer. 2-1/4" x 2" x 5" (5.7cm x 5.1cm x 12.7cm); approximately 10 oz. (284 grams).

- BF2A Aluminum**
Approximately 3.5 oz. (99 grams).

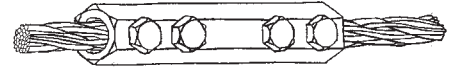
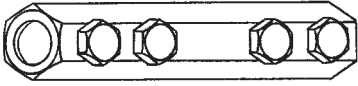


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Bolt Fittings - BF**BF3B****Straight**

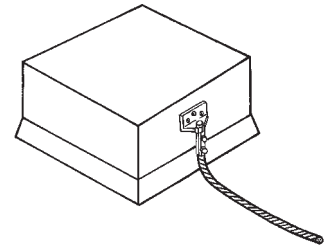
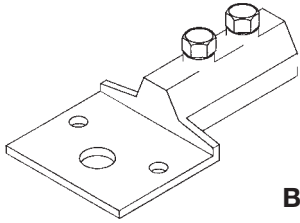
4-bolt hex brass straight splicer.
Stainless steel bolts.
3-1/2" x 3/4" (8.9cm x 1.9cm) hex;
approximately 6 oz. (170 grams).

**BF3A****Aluminum**

Approximately 2 oz. (57 grams).

BF4B**Bonding Lug**

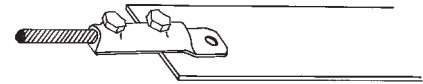
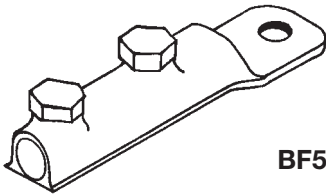
Cast bronze primary cable to metal surface bonding lug. Has over four square inches of contact. Stainless steel bolts.
2-1/4" x 2" x 5" (5.7cm x 5.1cm x 12.7cm);
approximately 9 oz. (255 grams).

**BF4A****Aluminum**

Approximately 3 oz. (85 grams).

BF5B**Mini Bonding Lug**

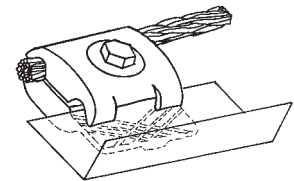
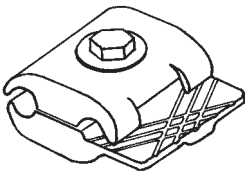
Cast bronze secondary cable to metal surface bonding lug. Stainless steel bolts.
3-1/2" x 9/16" (8.9cm x 1.4cm);
approximately 3 oz. (85 grams).

**BF5A****Aluminum**

Approximately 2 oz. (57 grams).

BF7B**Round to Flat**

Cast bronze bolt pressure cable to flat surface clamp. Stainless steel bolt and washer.
1-9/16" x 2-1/4" (4cm x 5.7cm);
approximately 7.3 oz. (207 grams).

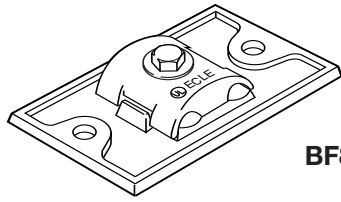
**BF7A****Aluminum**

Approximately 3 oz. (85 grams).



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Bolt Fittings - BF



BF8B

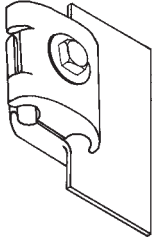
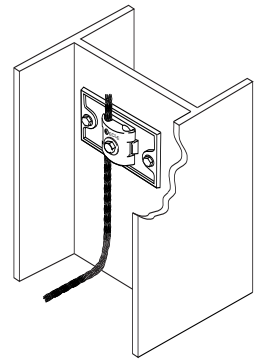
2-Way Bonding Plate

Cast bronze, 8-square-inch bonding plate with 2-way bolt pressure cable holder. Stainless steel bolt and washer. 2-1/16" x 4" (52.38mm x 101.6mm). Approximately 10.3 oz. (292 grams).

BF8A

Aluminum

Approximately 3.8 oz. (108 grams).



BF9B

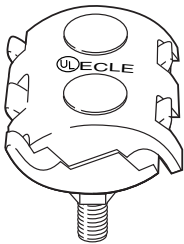
Bonding Clamp

Cast bronze, 4-square-inch bonding clamp with bolt pressure cable holder. Stainless steel bolt and washer. Approximately 9 oz. (255 grams).

BF9A

Aluminum

Approximately 3 oz. (85 grams).



BF10B

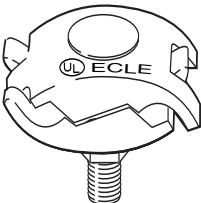
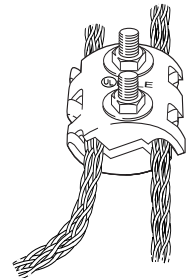
2-Bolt Parallel

Cast bronze clamp for splicing or connecting two rods, two cables or rod to cable. Stainless steel carriage bolts with nuts and washers. 2" x 1-5/8" (5.1cm x 4.13cm); approximately 8 oz. (227 grams).

BF10A

Aluminum

Approximately 2.5 oz. (71 grams).



BF11B

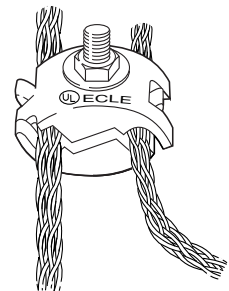
1-Bolt Parallel

Cast bronze clamp for splicing or connecting two rods, two cables or rod and cable where less contact is acceptable. Stainless steel carriage bolt, nut and washer. 1" x 1-5/8" (2.54cm x 4.13cm); approximately 4 oz. (113 grams).

BF11A

Aluminum

Approximately 1.3 oz. (37 grams).



NOTE: Copper & bronze fittings are also available tinned.



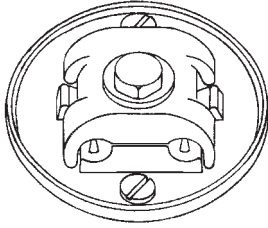
EAST COAST LIGHTNING EQUIPMENT, INC.

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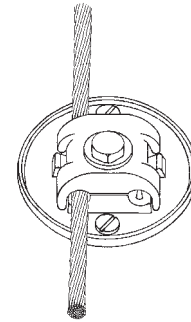
e-mail: info@ecle.biz
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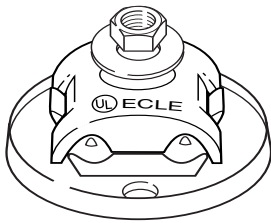
Bolt Fittings - BF



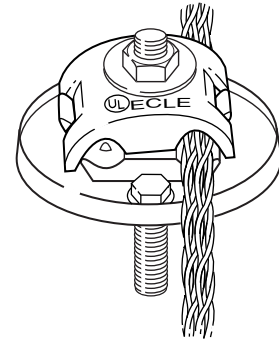
- BF12B Round Bonding Plate**
Cast bronze 5.9 square inch bonding plate with 2-way bolt pressure cable holder. Stainless steel bolt and washer. 2-3/4" (7cm) diameter; approximately 10 oz. (284 grams).



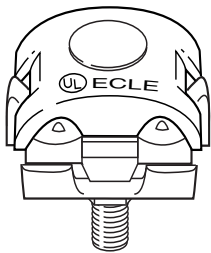
- BF12A Aluminum**
Approximately 3.5 oz. (99 grams).



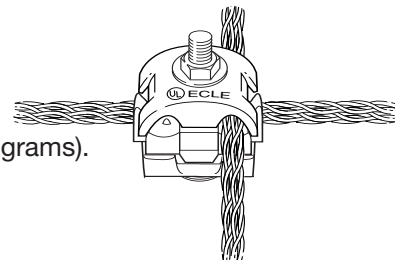
- BF12B1/2 Round Bonding Plate "Spin On"**
Cast bronze 5.9 (149.9mm) square inch bonding plate. Bottom has 1/2" diameter threaded hole. Two-way bolt pressure cable holder. Stainless steel washer and nut included. 2-3/4" (7cm) diameter; approximately 7.8 oz. (221 grams).



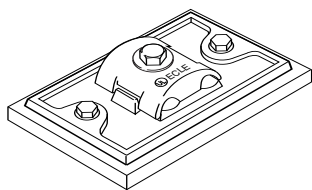
- BF12A1/2 Aluminum**
Approximately 1.8 oz. (51 grams).



- BF13B Cross Run**
Cast bronze bolt pressure cross run or cross tee clamp. Stainless steel carriage bolt, nut and washer. 1-9/16" x 1-3/4" (4cm x 4.5cm); approximately 8 oz. (227 grams).

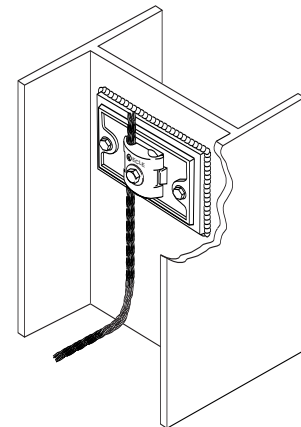


- BF13A Aluminum**
Approximately 3.5 oz. 99 grams).



- BF14B Steel-Back Bonding Plate**
Cast bronze, 8 square inch bonding plate with 2-way bolt pressure cable holder and a 1/4" (.64cm) mild steel back plate. For direct welding to steel. Stainless steel bolt and washer. 4" x 2" (10.2cm x 5.1cm); approximately 23.2 oz. (658 grams).

- BF14A Aluminum**
Approximately 16.8 oz. (476 grams).

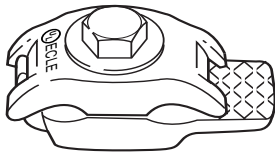


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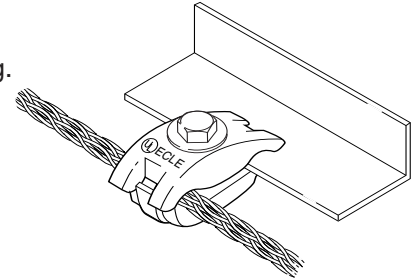
Bolt Fittings - BF



BF15B

Miniature Round to Flat

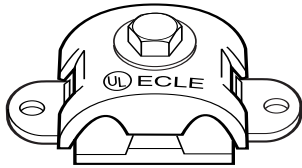
Cast bronze miniature cable to flat surface clamp for secondary bonding. Stainless steel bolt and washer. 3/4" x 2-1/4" (1.9cm x 5.7cm); approximately 3.5 oz. (99 grams).



BF15A

Aluminum

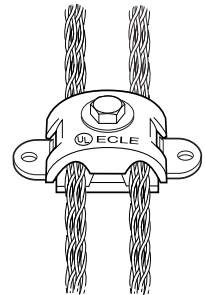
Approximately 1.5 oz. (43 grams).



BF16B

3 Square Inch Bonding Plate

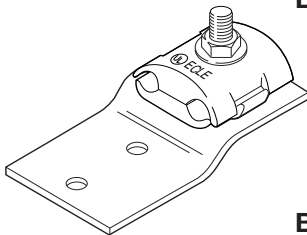
Cast bronze secondary bonding plate. Two-way cable holder with stainless steel bolt and washer. 1-5/8" x 3-1/4" (4.1cm x 8.26cm); approximately 7.1 oz. (201 grams).



BF16A

Aluminum

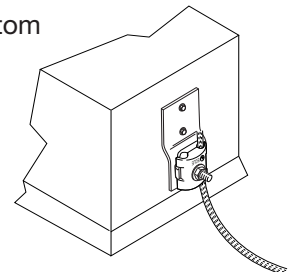
Approximately 2.6 oz. (73.7 grams).



BF17B

Malleable Bonding Lug

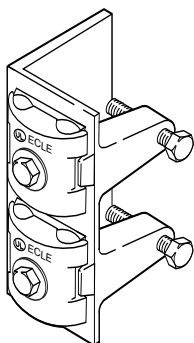
Bronze bonding lug for primary conductors. 2" x 4" (5.1cm x 10.2cm) pressed copper bottom plate - .064 thick. Cast bronze two-way cap. Stainless steel fastener. Approximately 8.9 oz. (251grams).



BF17A

Aluminum

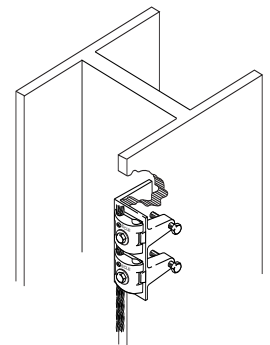
2" x 4" (5.1cm x 10.2cm) pressed aluminum bottom plate - .1026 thick. Approximately 4.3 oz. (121 grams).



BF18B

8 Square Inch Beam Clamp

Cast bronze 8 square inch bonding plate with 2 two-way bolt pressure cable holders. For primary bonding to beams and similar flat metal protrusions. 2 stainless steel bolts and washers. 3-1/4" x 4" (82.6mm x 101.6mm); approximately 2 lbs. 2.1 oz. (967 grams).



BF18A

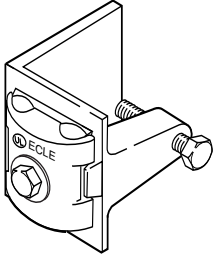
Aluminum

Approximately 13.3 oz. (377 grams).

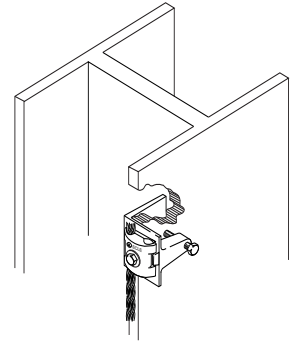


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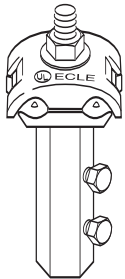
e-mail: info@ecle.biz
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Bolt Fittings - BF**BF19B****4 Square Inch Beam Clamp**

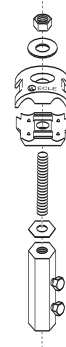
Cast bronze 4 square inch bonding plate with 1 two-way bolt pressure cable holder. For primary bonding to beams and similar flat metal protrusions. Stainless steel bolt and washer. 3-1/4" x 2" (82.6mm x 50.8mm); approximately 1 lb. 1 oz. (482 grams).

**BF19A****Aluminum**

Approximately 6.7 oz. (190 grams).

**BF20B****Cable Splicer**

Cast bronze two-way cable holder with hex brass bolt pressure cable tap. Stainless steel bolts, nut and washer. 3.8" (100mm); approximately 9.6 oz. (272 grams).

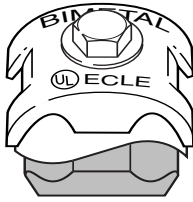
**BF20A****Aluminum**

Approximately 5.6 oz. (159 grams).



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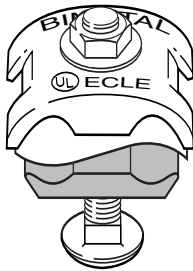
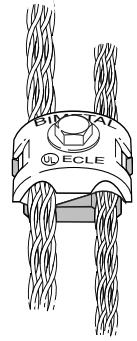
Bimetallic Fittings - BM For Connecting Aluminum and Copper



BM1

Bimetallic Round To Round

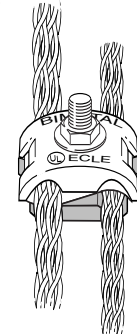
Cast bimetallic bolt pressure clamp for joining 2 dissimilar cables. Aluminum two-way cast top. Bronze two-way cast bottom. Stainless steel spacer plate. Stainless steel hex bolt and washer. 1-9/16" x 1-3/4" (39.69mm x 44.45mm); approximately 5.4 oz. (15.3 grams).



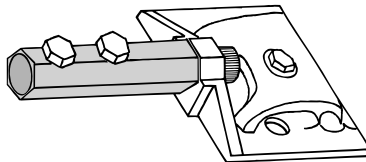
BM100

Bimetallic Round to Round *U.S. Patent No. 424, 924*

Cast bimetallic bolt pressure clamp for joining 2 dissimilar cables. Aluminum two-way cast top. Bronze two-way cast bottom. Specifically designed for cable splices on single membrane roofs. Stainless steel spacer plate. Stainless steel carriage bolt, nut and washer. 1-9/16" x 1-3/4" (39.69mm x 44.45mm); approximately 6 oz. (170 grams).



U.S. Patent No. 424, 924



BM2A

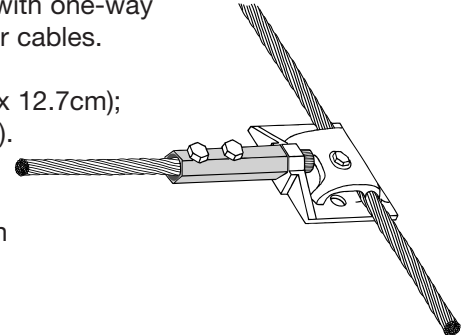
Bimetallic Tee Splicer

Bolt pressure aluminum casting with one-way cap and hex brass tap for copper cables. Stainless steel bolts and washer. 2-1/4" x 2" x 5" (5.7cm x 5.1cm x 12.7cm); approximately 10 oz. (284 grams).

BM2B

Bimetallic Tee Splicer

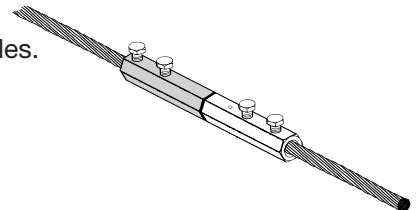
Bolt pressure bronze casting with one-way cap and hex aluminum tap for aluminum cables. Stainless steel bolts and washer. 2-1/4" x 2" x 5" (5.7cm x 5.1cm x 12.7cm); approximately 10 oz. (284 grams).



BM3

Bimetallic 4-Bolt Straight Splicer

For joining aluminum and copper cables. Stainless steel bolts. 3-1/2" x 3/4" (8.9cm x 1.9cm) hex; approximately 6 oz. (170 grams).



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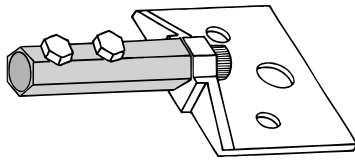


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Bimetallic Fittings - BM

For Connecting Aluminum and Copper

BM4A



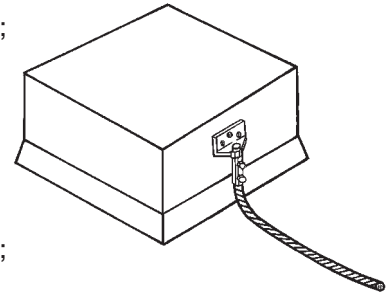
Bimetallic Bonding Lug for Primary Conductors

For bonding to aluminum from a copper cable run. Stainless steel bolts. 2-1/4" x 2" x 5" (5.7cm x 5.1cm x 12.7cm); approximately 6.3 oz. (179 grams).

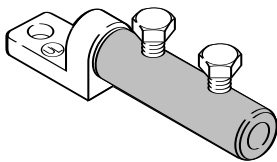
BM4B

Bimetallic Bonding Lug for Primary Conductors

For bonding copper or brass from an aluminum cable run. Stainless steel bolts. 2-1/4" x 2" x 5" (5.7cm x 5.1cm x 12.7cm); approximately 6.2 oz. (176 grams).



BM5A



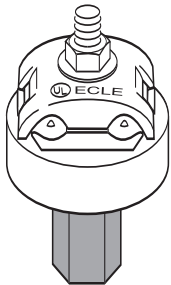
Bimetallic Mini Bonding Lug

Secondary cable to flat surface bonding lug. For bonding to aluminum from copper cable run. 3-3/16" x 3/4" (80.96mm x 19.05mm); approximately 3.4 oz. (96 grams).

BM6A

Conduit Cap to Threaded Rod

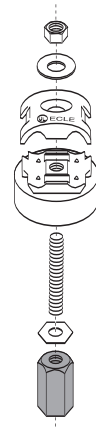
Cast aluminum cap with bolt pressure cable holder machined to fit snugly over 1-1/2" Schedule 40 PVC conduit. Has internally threaded brass hex stock adapter extending below. Joined with stainless steel threaded stub and galvanic barrier. For joining aluminum cable to brass threaded rod. Stainless steel stubs, nut and washer. 2.8" overall height (7cm), 6.4 oz. (181 grams). Available with 3/8", 1/2" or 5/8" internal threads.



BM6B

Conduit Cap to Threaded Rod

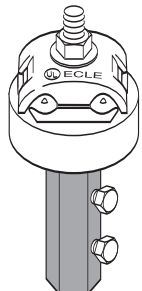
As above for joining copper roof cable to aluminum threaded rod. 11.2 oz. (318 grams). Available with 1/2" or 5/8" internal threads.



BM7A

Conduit Cap to Cable

Cast aluminum cap with bolt pressure cable holder machined to fit snugly over 1-1/2" Schedule 40 PVC conduit. Has brass hex stock cable holder extending below. Joined by stainless steel threaded stub and galvanic barrier. For joining aluminum roof cable to copper down conductor. 4-1/4" (10.8cm) overall height, 8 oz. (227 grams). Stainless steel stub, bolts, nut and washer.



BM7B

Conduit Cap to Cable

As above for joining copper roof cable to aluminum down conductor. 4 oz. (113 grams).

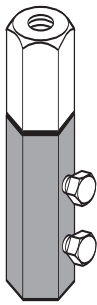


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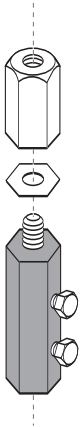
EACLE
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Bimetallic Fittings - BM For Connecting Aluminum and Copper

**BM8A**

Rod to Cable Straight Splicer

For aluminum threaded rod or air terminal to copper cable connection. Fabricated from 3/4" brass and aluminum hex stock sections. Aluminum end threaded internally for connecting to aluminum threaded rod or air terminal. Brass end has two stainless steel bolts to anchor copper cable. Joined with stainless steel threaded stub and galvanic barrier. Specify 1/2" or 5/8" thread diameter for aluminum end. 3.8" (9.7cm) overall height. Approximately 4.8 oz. (136 grams).

**BM8B**

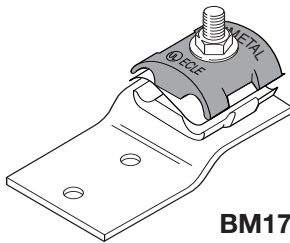
Rod to Cable Straight Splicer

As above for copper threaded rod or air terminal to aluminum cable. Specify 3/8", 1/2" or 5/8" thread diameter for brass end. 4 oz. (113 grams).

BM17A

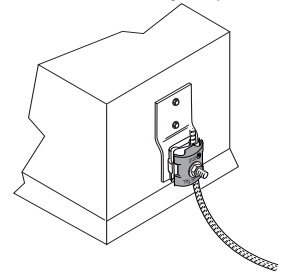
Bimetallic Bonding Lug

Bolt pressure bimetallic bonding lug for primary conductors. For bonding to aluminum from a copper cable run. 2" x 4" (5. cm x 10.2 cm) pressed aluminum bottom plate - .1026 thick. Cast bronze two-way top. Stainless steel separator - .024 thick x 1-3/4" x 2" (4.45 cm x 5.1 cm). Stainless steel fasteners. Approximately 6.8 oz. (192 grams).

**BM17B**

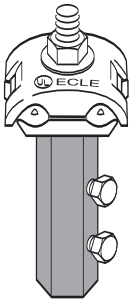
Bimetallic Bonding Lug

As above for bonding to bronze or copper from an aluminum cable run. Approximately 7.4 oz. (208 grams).

**BM20A**

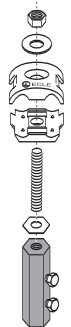
Cable Splicer

For connecting aluminum cable run to copper cable tap. Cast aluminum bolt pressure two-way cable holder with hex brass cable holder below. Stainless steel threaded stub, galvanic barrier, nut and washer. 4.2" (10.7cm) overall height, 7.2 oz. (204 grams).

**BM20B**

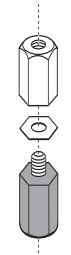
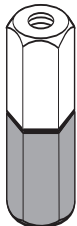
Cable Splicer

As above for joining copper cable run to aluminum cable tap. 8 oz. (227 grams).

**BMRC**

Bimetallic Rod Coupling

For threaded rod to threaded rod or air terminal connection. Fabricated from 3/4" brass and aluminum hex stock. Galvanic barrier. Specify 3/8, 1/2 or 5/8 thread diameter for each end. 2.5" (6.4cm) overall height, 3.2 oz. (91 grams).



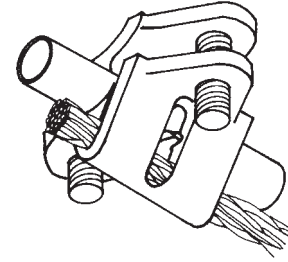
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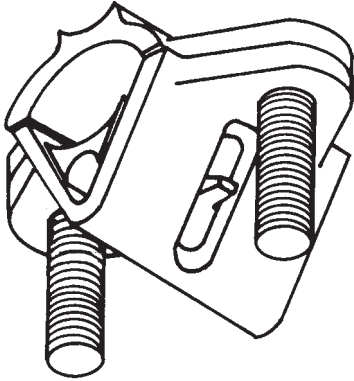
Pipe Clamps - PC

- PC1T Small Pipe Clamp**
Tinned cast bronze pipe clamp.
Fits up to 1-1/4" (3.2cm) O.D. pipe.
Two 5/16" x 1-1/4" stainless steel bolts.
1-5/8" x 2-5/8" (4.1cm x 6.7cm);
approximately 8 oz. (227 grams).

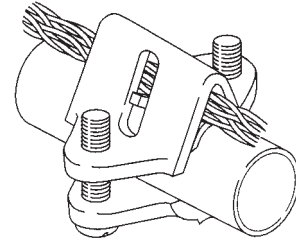


- PC1B Bronze**
Approximately 8 oz. (227 grams).

- PC1A Aluminum**
Approximately 3.3 oz. (94 grams).



- PC2L Medium Pipe Clamp**
Leaded cast bronze pipe clamp.
Fits up to 2" (5.1cm) O.D. pipe.
Stainless steel bolts.
Approximately 14 oz. (398 grams).

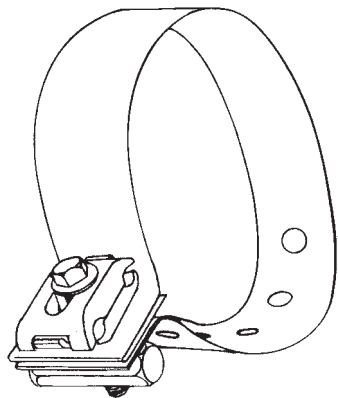


- PC2A Aluminum**
Approximately 5.2 oz. (147 grams).

- PC3L Large Pipe Clamp**
Leaded cast bronze pipe clamp.
Fits up to 2-5/8" (6.7cm) O.D. pipe.
Stainless steel bolts.
Approximately 16 oz. (454 grams).

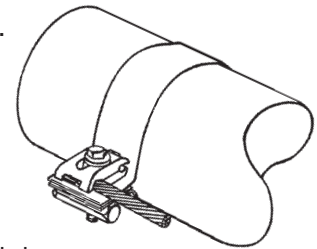
- PC3A Aluminum**
Approximately 6.2 oz. (176 grams).

- PC6T Strap-Type Pipe Clamp**
Adjustable strap can be used to bond to pipes with 4" to 6" (10.2cm to 15.2cm) O.D. Tinned strap is 2" wide with cast bronze two-way cable clamp and brass barrel nut for uniform adjustment of the strap.



- PC6A Aluminum**

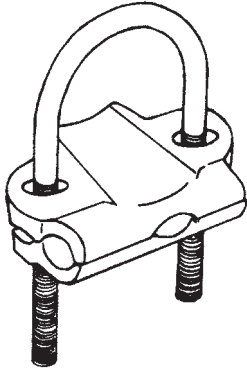
Strap-Type Pipe Clamps are also available for pipes with larger than 6" outside diameter. Call the factory with your specifications.



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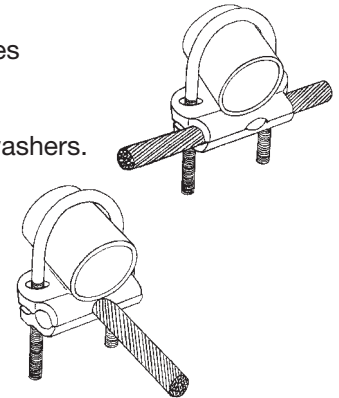
U-Bolt Pipe Clamps - PC



PC1UB **Smallest U-Bolt Clamp**
 Cast bronze pipe clamp. Fits rods or pipes with 1/2" to 1-1/4" (1.3cm to 3.2cm) O.D. Has 2-way bolt pressure cable holder. 5/16-18 stainless steel U-bolt, nuts and washers. 2-1/2" x 3-1/2" (6.35cm x 8.9cm); approximately 9 oz. (255 grams).

PC1UT **Tinned**
 Approximately 9 oz. (255 grams).

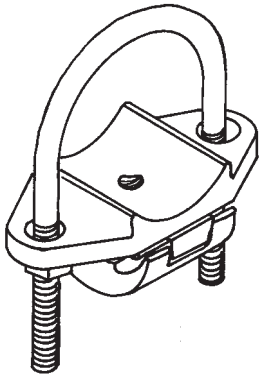
PC1UA **Aluminum**
 Approximately 5 oz. (142 grams).



PC2UB **2" U-Bolt Clamp**
 Cast bronze pipe clamp. Fits up to 2" (5.1cm) O.D. pipe. Has 2-way bolt pressure cable holder with cover that can be turned 90 degrees. 5/16-18 stainless steel U-bolt, nuts and washers. Approximately 8.5 oz. (241 grams).

PC2UT **Tinned**
 Approximately 8.5 oz. (241 grams).

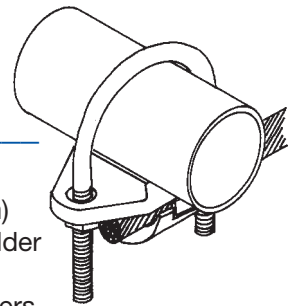
PC2UA **Aluminum**
 Approximately 4.2 oz. (119 grams).



PC3UB **3" U-Bolt Clamp**
 Cast bronze pipe clamp. Fits up to 3" (7.6cm) O.D. pipe. Has 2-way bolt pressure cable holder with cover that can be turned 90 degrees. 5/16-18 stainless steel U-bolt, nuts and washers. Approximately 13 oz. (369 grams).

PC3UT **Tinned**
 Approximately 13 oz. (369 grams).

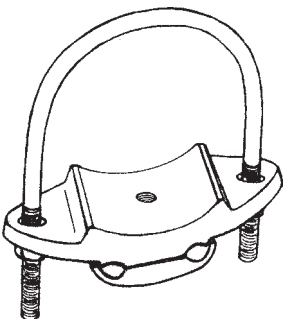
PC3UA **Aluminum**
 Approximately 6 oz. (170 grams).



PC4UB **4" U-Bolt Clamp**
 Cast bronze pipe clamp. Fits up to 4-1/2" (114.3mm) O.D. pipe. Has 2-way bolt pressure cable holder with cover that can be turned 90 degrees. 5/16-18 stainless steel U-bolt, nuts and washers. Approximately 26.4 oz. (748 grams).

PC4UT **Tinned**
 Approximately 26.4 oz. (748 grams).

PC4UA **Aluminum**
 Approximately 11.8 oz. (335 grams).

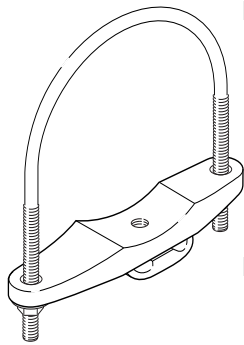


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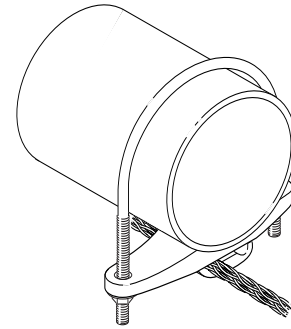
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U-Bolt Pipe Clamps - PC

**PC6UB**

6" U-Bolt Clamp

Cast bronze pipe clamp. Fits up to 6.75" (171.45mm) O.D. pipe. Two-way bolt pressure cable holder with cover that can be turned 90 degrees. Stainless steel U-bolt, nuts and washers. Approximately 2 lbs. 5.4 oz. (1060 grams).

**PC6UT**

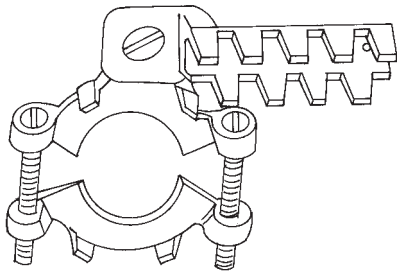
Tinned

Approximately 2 lbs. 5.4 oz. (1060 grams).

PC6UA

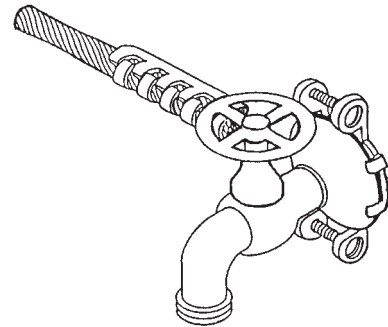
Aluminum

Approximately 14 oz. (397 grams).



Sillcock Flange Connector

Tinned cast bronze water pipe bonding clamp for use behind flange of sillcock. 5-1/2" x 2-3/4" (139.7mm x 69.85mm); approximately 10.2 oz. (289 grams).

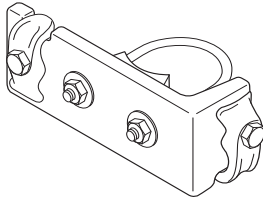


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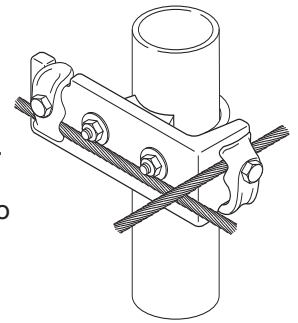
Pedestal Clamps - CP

CP1T

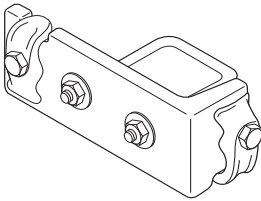


Round Computer Pedestal Grounding Clamp

Tin plated cast bronze clamp features two off-set bolt pressure cable holders to permit perpendicular conductors to be cased without kinks and bends. For use on Round pedestal diameters ranging from 1/2" to 1-1/8". Accommodates wire sizes from #8 to 4/0 AWG. Stainless steel U-bolt, hex bolt, nuts and washers, 4-3/8" x 1-1/4" x 1-1/2". Approximately 12.2 oz. (346 grams).

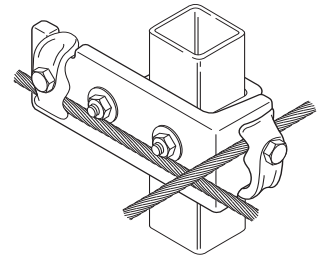


CP1TM

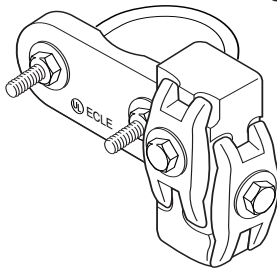


Square Computer Pedestal Grounding Clamp

Tin plated cast bronze clamp for use on square pedestals measuring up to 1-1/8". Accommodated wire sizes ranging from #8 to 4/0 AWG. Stainless steel U-bolt, hex bolt and washers, 4-3/8" x 1-1/4" x 1-1/2". Approximtely 12.2 oz. (346 grams).

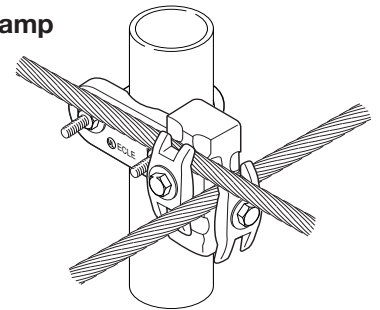


CP3B

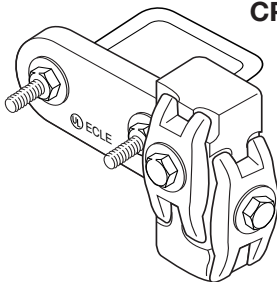


Heavy Duty Round Pedestal Grounding Clamp

Cast bronze pedestal clamp. Fits up to 1-1/4" diameter round computer pedestals. Two bolt pressure cable holders can accommodate wire sizes from #6 to 2/0. Stainless steel U-bolt, straight bolts, nuts and washers. Approximately 17.4 oz. (494 grams).

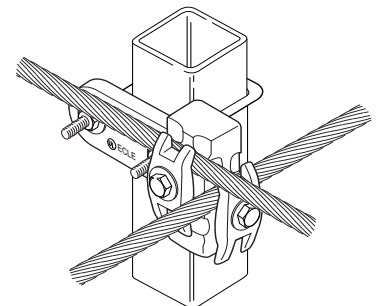


CP3BM



Heavy Duty Square Pedestal Grounding Clamp

Cast bronze pedestal clamp. Fits up to 1-1/2" square computer pedestals. Two bolt pressure cable holders can accommodate wire sizes from #6 to 2/0. Stainless steel U-bolt, straight bolts, nuts and washers. Approximately 17.4 oz. (494 grams).

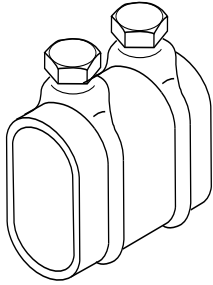


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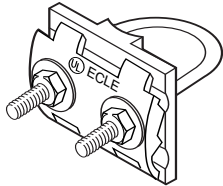
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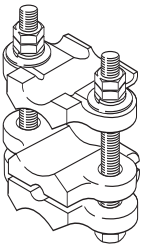
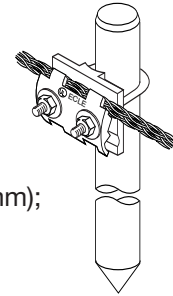
Ground Rod Clamp - GC



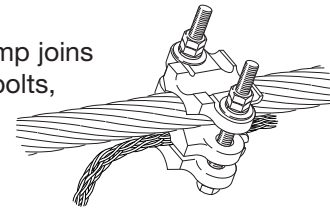
- GC1/2** Cast bronze, cable to 1/2" (1.27cm) ground rod clamp. Has two stainless steel bolts 3/8" – 16 x 1-1/4". Approximately 8.75 oz. (248 grams).
- GC5/8** Cast bronze, cable to 5/8" (1.59cm) ground rod clamp. Has two stainless steel bolts 3/8" – 16 x 1-1/4". Approximately 9.3 oz. (264 grams).
- GC3/4** Cast bronze, cable to 3/4" (1.91cm) ground rod clamp. Has two stainless steel bolts 3/8" – 16 x 1-1/4". Approximately 9 oz. (255 grams).



- GCUB** **U-Bolt Ground Rod Clamp**
Cast bronze cable to ground rod clamp. Designed to join rods up to 7/8" OD and one or two cables with a cast bronze parallel cable holder. Stainless steel u-bolt, nuts and washers. 1-7/8" x 2-3/6" (47.6mm x 55.6mm); approximately 8.8 oz. (250 grams).



- GW1T** **Tinned Guy Wire Clamp**
Tinned cast bronze clamp. Versatile clamp joins cables of various sizes. Stainless steel bolts, nuts and washers. 2-3/8" x 1-3/4" (60.33mm x 44.45mm); approximately 16 oz. (454 grams).



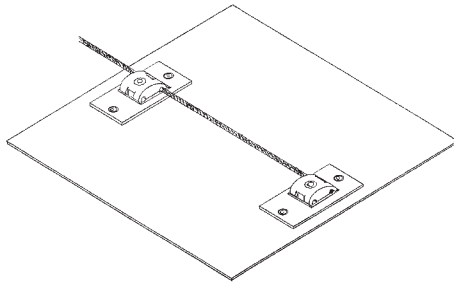
Ground Rod Section Coupling - GRC



- GRC1/2** Silicon bronze coupling for 1/2" (1.27cm) sectional ground rod. Approximately 2.65 oz. (75 grams).
- GRC5/8** Silicon bronze coupling for 5/8" (1.59cm) sectional ground rod. Approximately 4.5 oz. (128 grams).
- GRC3/4** Silicon bronze coupling for 3/4" (1.91cm) sectional ground rod. Approximately 4.8 oz. (136 grams).



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Ground Plate - GP

Copper ground plate with two bolt pressure cable holders.

GP1	18" x 18" x .032	(45.7cm x 45.7cm x .0813cm)
GP2	18" x 24" x .032	(45.7cm x 61cm x .0813cm)
GP3	18" x 36" x .032	(45.7cm x 91.4cm x .0813cm)

Call factory for information on other sizes.

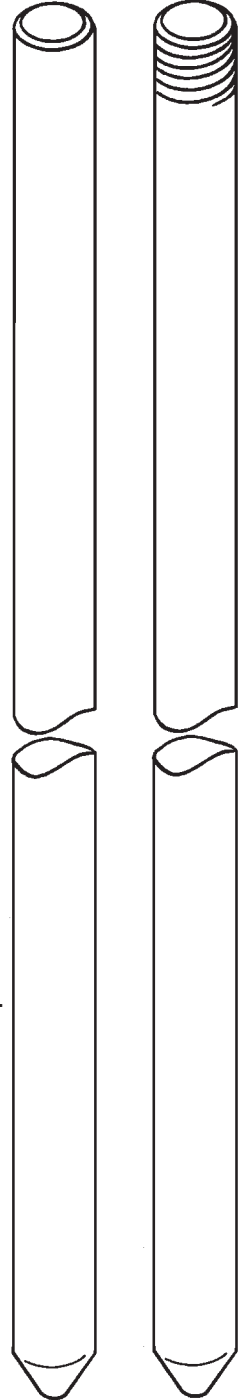
Ground Rods - GR

UL listed copper clad steel ground rods.

GR1X	1/2" x 8'	(1.27cm x 2.44m)
GR1	1/2" x 9'	(1.27cm x 2.74m)
GR2	1/2" x 10'	(1.27cm x 3.05m)
GR2S	1/2" x 10' Sectional	(1.27cm x 3.05m)
GR3X	5/8" x 8'	(1.59cm x 2.44m)
GR3	5/8" x 10'	(1.59cm x 3.05m)
GR3S	5/8" x 10' Sectional	(1.59cm x 3.05m)
GR4	3/4" x 10'	(1.91cm x 3.05m)
GR4S	3/4" x 10' Sectional	(1.91cm x 3.05m)

Call factory for information on other available ground rod sizes.

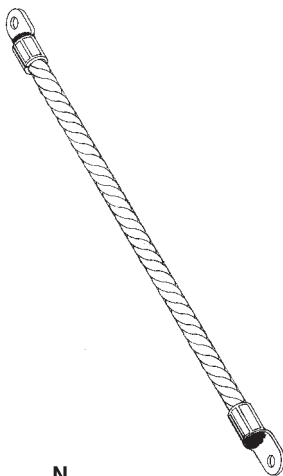
A variety of stainless steel ground rods are also available.



Ground Strap

Flexible, tin-coated copper secondary bonding cable. Ideal for bonding doors, gates and machinery. Each strap has a tinned copper lug with a #10 eye on each end. Strap is a #6 AWG stranded wire. UL listed.

Ground Strap 11	11" long	27.9cm
Ground Strap 18	18" long	45.7cm



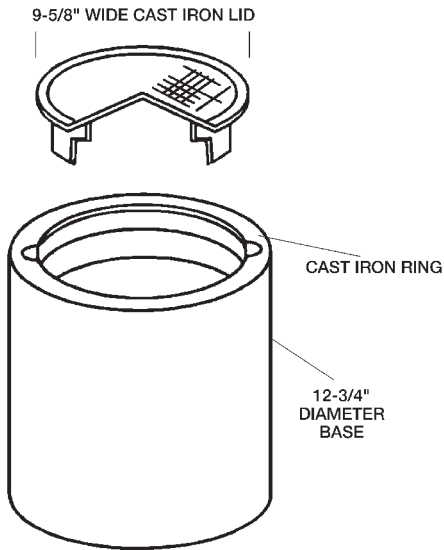
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Ground Test Wells



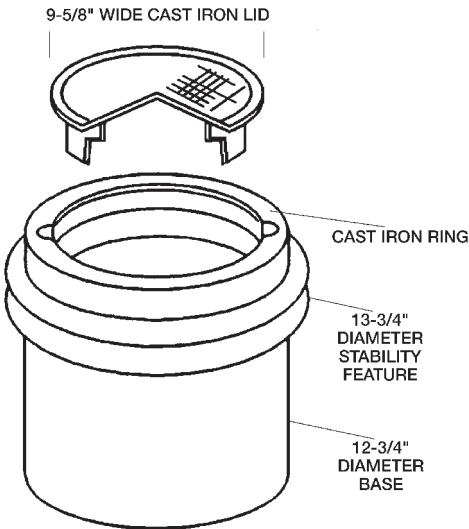
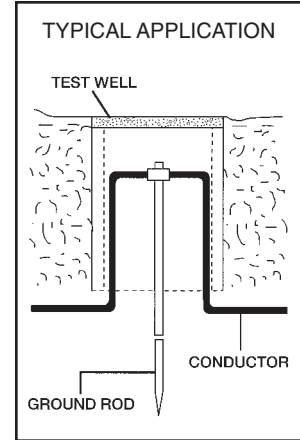
Heavy Duty Ground Test Well

12" Length

3100	PVC Schedule 80	12 3/4" x 12"
3102	3/8" Steel	12 3/4" x 12"

18" Length

3120	PVC Schedule 80	12 3/4" x 18"
3122	3/8" Steel	12 3/4" x 18"



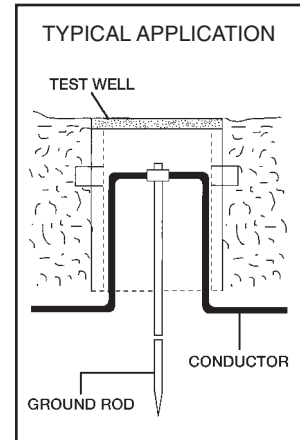
Heavy Duty High Traffic Area Ground Test Well

12" Length

3110	PVC Schedule 80	13 3/4" x 12"
3112	3/8" Steel	13 3/4" x 12"
3114	Concrete	13 3/4" x 12"

18" Length

3130	PVC Schedule 80	13 3/4" x 18"
3132	3/8" Steel	13 3/4" x 18"



Ground Test Wells are also available in 24" and 36" lengths.

All Ground Test Wells incorporate a heavy duty cast iron cover. Additional sizes and configurations are available. Call for more information.

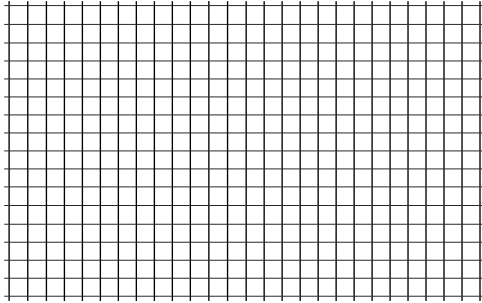


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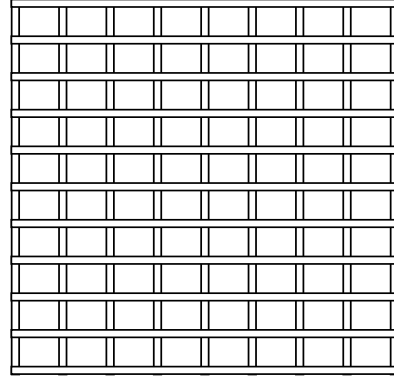
Specialty Grounding Products

A wide variety of specialty grounding products are available. Including:

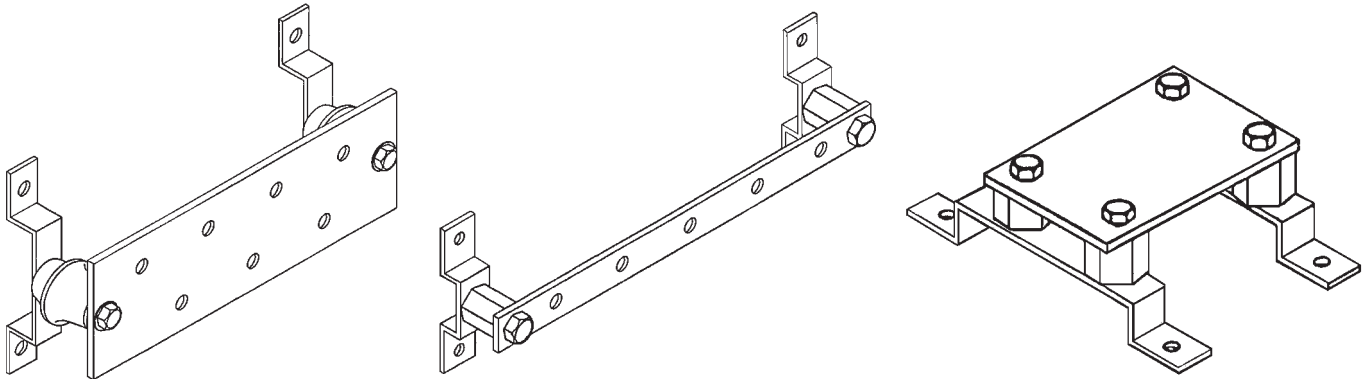
Prefabricated Wire Mesh



Signal Reference Grounding Grids



Ground Bars



Chemical Ground Rods



**Special sizes, configurations, platings and options are available.
For more information on any of these specialty grounding items,
please call the factory.**

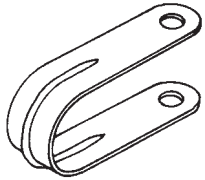


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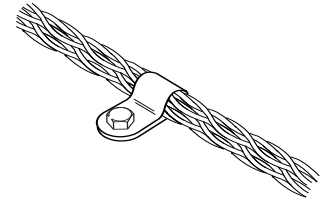
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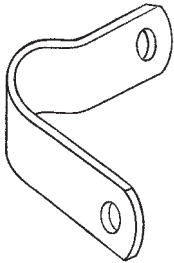
Fastener Loops - FL



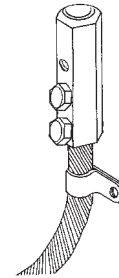
- FL1C*** 1-Nail stamped copper loop.
FL1T* 1-Nail stamped tinned copper loop.
FL1A* 1-Nail stamped aluminum loop.



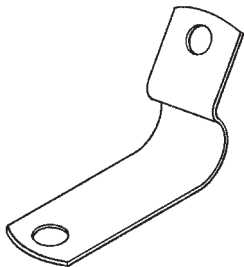
* Use with Class I conductors.



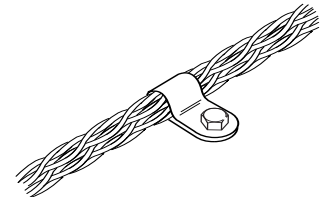
- FL2C*** 1/4" hole, medium stamped copper loop.
FL2T* 1/4" hole, medium stamped tinned copper loop.



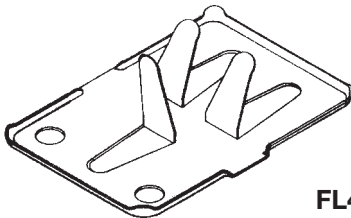
* Use with Class I conductors.



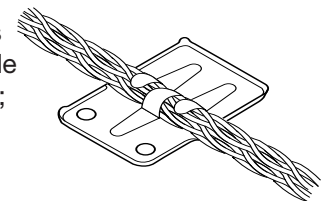
- FL3C†** 1/4" hole, largest stamped copper loop.
FL3T† 1/4" hole, largest stamped tinned copper loop.
FL3A† 1/4" hole, largest stamped aluminum loop.



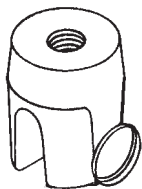
† Use with Class II conductors.



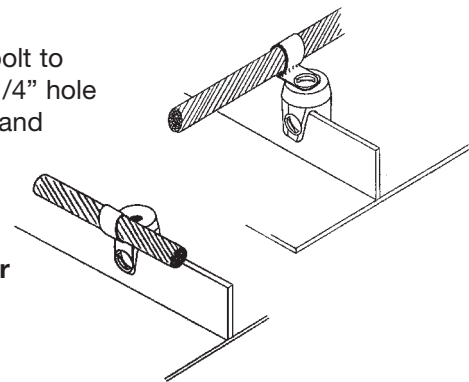
- FL4C** **Stamped Adhesive Crimp Copper Loop**
 For use on built-up, single membrane or other flat roof surfaces where mechanical penetrations must be avoided. Use with adhesives compatible to roof surface. 2-1/4" x 3-1/2" (5.7cm x 8.9cm); approximately 1.4 oz. (40 grams).



- FL4A** **Stamped Adhesive Crimp Aluminum Loop**
 As above, but stamped aluminum. Approximately .8 oz. (23 grams).



- FL5B** **Standing Seam Bronze Fastener**
 Cast bronze fastener with one 1/4" bolt to anchor to the standing seam and a 1/4" hole on top. Comes with one FL3C loop and extra bolt for top mounting of loop. 3/4" diameter x 1" (1.9cm x 2.5cm); approximately 3.3 oz. (94 grams).



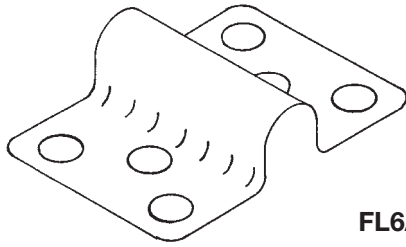
- FL5A** **Standing Seam Aluminum Fastener**
 As above, but cast aluminum. Approximately 1.2 oz. (34 grams).



NOTE: Copper & bronze fittings are also available tinned.

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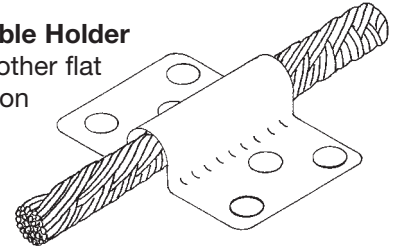
Fastener Loops - FL



FL6C

Layover Adhesive Stamped Copper Cable Holder

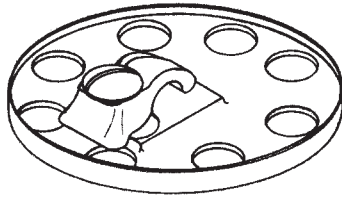
For use on built-up, single membrane or other flat roof surfaces where mechanical penetration must be avoided. Use with adhesives compatible to roof surface. 3-1/2" x 2" (8.9cm x 5.1cm); approximately 1.1 oz. (31 grams).



FL6A

Layover Adhesive Stamped Aluminum Cable Holder

As above, but stamped aluminum. Approximately .5 oz. (14 grams).



FL7B

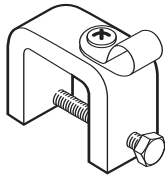
Heavy Duty Cable Holder

A cast bronze, bolt-type adhesive fastener for securing cable. Suitable for use on built-up, single membrane or other roof surfaces where mechanical penetration must be avoided. Use with adhesives compatible to roof surfaces. 3-1/8" (7.9cm) diameter casting with stainless steel bolt and cast clip. Approximately 4.8 oz. (113 grams).

FL7A

Aluminum

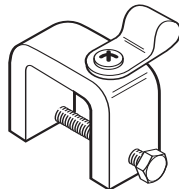
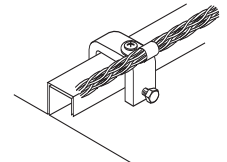
Approximately 1.7 oz. (48 grams).



FL9A

Aluminum 1 inch Standing Seam Fastener

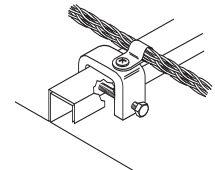
Stainless steel phillips head set screws, aluminum fastener loop for securing cable. Approximately 1.5" x 1.5" x .75" (38mm x 38mm x 19mm).



FL9AX

Custom Standing Seam Fastener

As above, manufactured to custom widths.



Call the factory with your requirements.

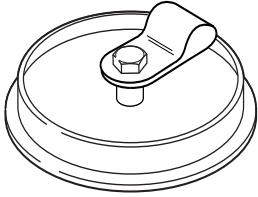


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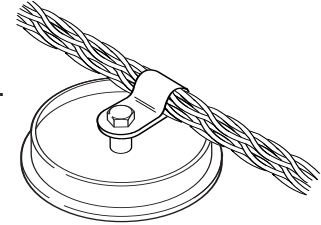
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Fasteners

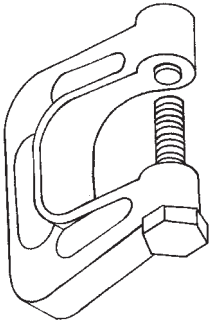


- FL19B Ballast Pan Cable Fastener**
A cast bronze, pan-type cable holder for use on flat roofs. Pan can be filled with concrete, gravel or stones to hold it in place. Comes with FL3C fastener loop and stainless steel bolt. 3-7/8" (9.8cm) diameter; approximately 10.2 oz. (289 grams).



- FL19A Aluminum**
Approximately 3.4 oz. (96 grams).

C-Clamp

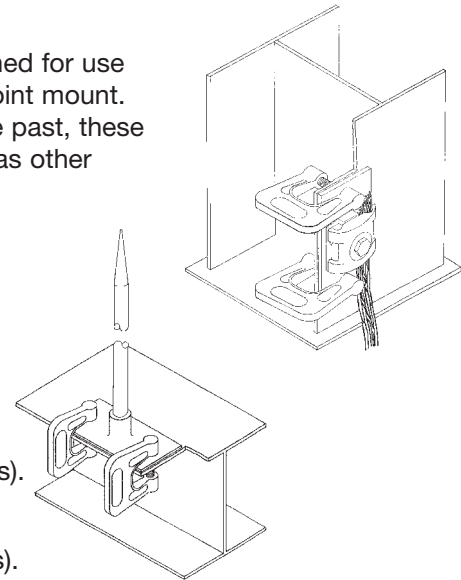


Our versatile and inexpensive C-clamp is designed for use with either the BF8 bonding plate or the PM3 point mount. Unlike steel C-clamps you may have used in the past, these cast C-clamps are made of the same materials as other lightning protection components.

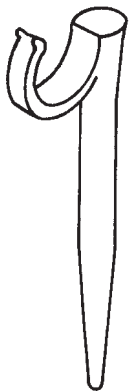
- C-Clamp Bronze**
Cast bronze C-clamp for bonding.
Stainless steel bolt.
2-1/2" x 2" (6.35cm x 5.1cm);
approximately 5.4 oz. (153 grams).

- C-Clamp Tinned**
Tinned bronze, approximately 5.4 oz. (153 grams).

- C-Clamp Aluminum**
Cast aluminum, approximately 2.1 oz. (60 grams).



Tree Drive



- TD Cast Soft Bronze Tree Drive**
3-1/4" (8.25cm); approximately 1.1 oz. (31 grams).



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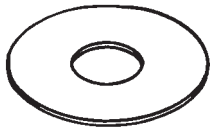
Stainless Steel Fasteners

Nuts



1/4-20	Hex Finish Nut
5/16-18	Hex Finish Nut
3/8-16	Hex Finish Nut
1/2-13	Hex Jam Nut
5/8-11	Hex Jam Nut
1/2-13	Acorn Cap Nut

Washers



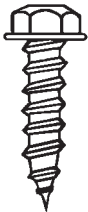
1/4"	Flat Washer	1/4"	Lock Washer
5/16"	Flat Washer	5/16"	Lock Washer
3/8"	Flat Washer	3/8"	Lock Washer
1/2"	Flat Washer	1/2"	Lock Washer
1/2"	Fender Washer 2" OD		

Hex Head Bolts



1/4-20 x 1/2"	Hex Head
1/4-20 x 5/8"	Hex Head
1/4-20 x 1-1/4"	Hex Head
5/16-18 x 3/4"	Hex Head
5/16-18 x 7/8"	Hex Head
5/16-18 x 1-1/4"	Hex Head
3/8-16 x 1"	Hex Head
3/8-16 x 1-1/4"	Hex Head

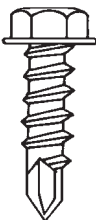
Hex Washer Head Self-Tapping Screws



#10 x 3/4"	Magnetic Type 'A'
#10 x 1"	Magnetic Type 'A'
#10 x 1-1/2"	Magnetic Type 'A'



Hex Washer Head Self-Drilling Screws



#10 x 5/8"	Magnetic Tech
#10 x 3/4"	Magnetic Tech
#10 x 1-1/2"	Magnetic Tech
#12 x 3/4"	Magnetic Tech
#12 x 1-1/4"	Magnetic Tech 5



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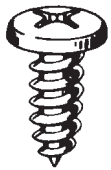
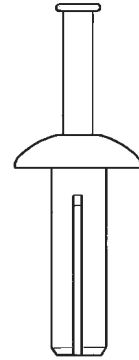
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Stainless Steel Fasteners



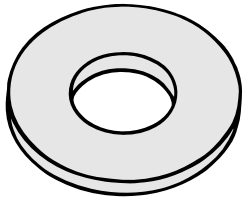
Nails and Nail-Ins

4D Nail	1-1/2" annular ring, threaded stainless steel nail
6D Nail	2" annular ring, threaded stainless steel nail
10D Nail	3" annular ring, threaded stainless steel nail
1/4" Nail-In	Rawl Zamac, mushroom head nail-in stainless 1" pin



Sheet Metal Screws

#10 x 5/8"	Phillip Pan Screw
#12 x 3/4"	Phillip Pan Screw
#12 x 1"	Phillip Pan Screw
#12 x 1-1/4"	Phillip Pan Screw



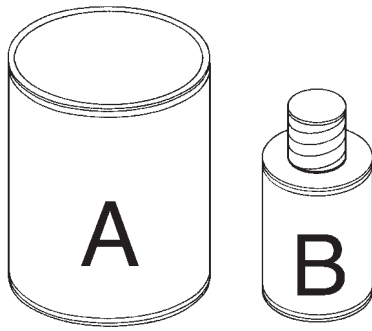
Rubber (EPDM) Washers

Available 1/8", 3/16", 3/8", 1/2" and 5/8".
EPDM washers are 3/32" thick.



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Sealants



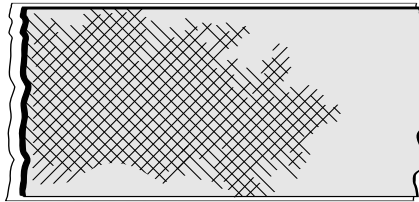
Two-Part Pourable Sealer

1-gallon Part A, 1-quart Part B
Fast-drying adhesive cement for adhering to rubber membrane roofing.



Rubber Lap Sealer

Black sealant - 11 fluid ounce tube
Compatible with rubber membrane roofing materials.



Rubber Flashing

Pressure sensitive, 6"-wide uncured rubber flashing with adhesive backing. (6"w x 100'L roll. Approximately .075 thick.)

Silicone and Sealant



Geocel Silicone	Clear	10.3 fluid ounce tube (304ml)
	White	10.3 fluid ounce tube (304ml)
	Black	10.3 fluid ounce tube (304ml)



Geocel Sealant	Clear	10.6 fluid ounce tube (313ml)
	White	10.6 fluid ounce tube (313ml)
	Black	10.6 fluid ounce tube (313ml)
	Grey	10.6 fluid ounce tube (313ml)
	Brown	10.6 fluid ounce tube (313ml)

Heavy Duty EPDM Membrane Sealant



Chemlink	Black	10.3 fluid ounce tube (304ml)
	Grey	10.3 fluid ounce tube (304ml)
	White	10.3 fluid ounce tube (304ml)

UL Fire Rated Sealant also available.

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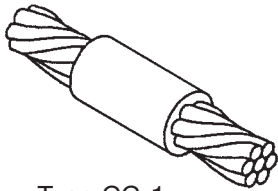
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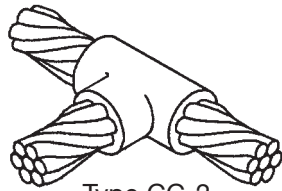
Exothermic Connections

We stock a complete line of weld metals, molds and accessories.
Call for a complete catalog of exothermic weld equipment.

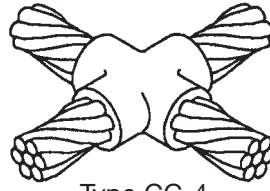
Cable To Cable



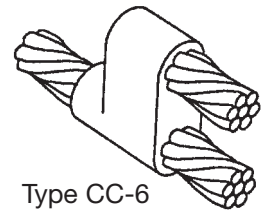
Type CC-1



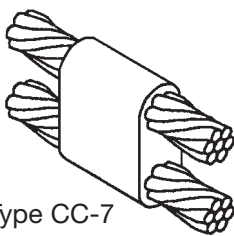
Type CC-2



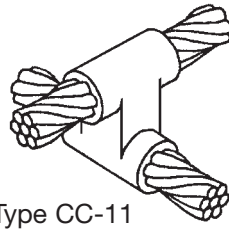
Type CC-4



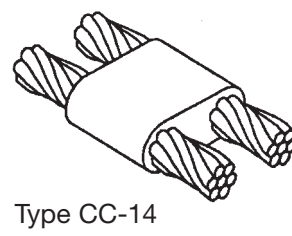
Type CC-6



Type CC-7

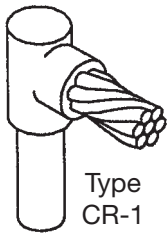
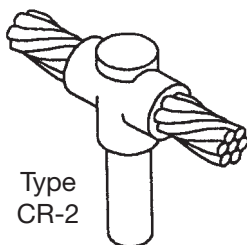
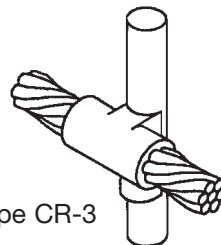


Type CC-11

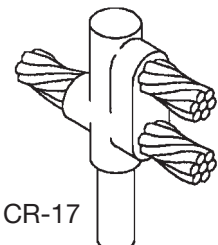


Type CC-14

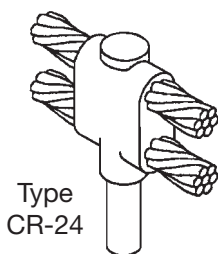
Cable To Ground Rod

Type
CR-1Type
CR-2

Type CR-3



Type CR-17

Type
CR-24

Type RR-1

**When ordering exothermic molds,
be sure to specify the size of the
conductor(s) and/or rod(s)
you will be using.**



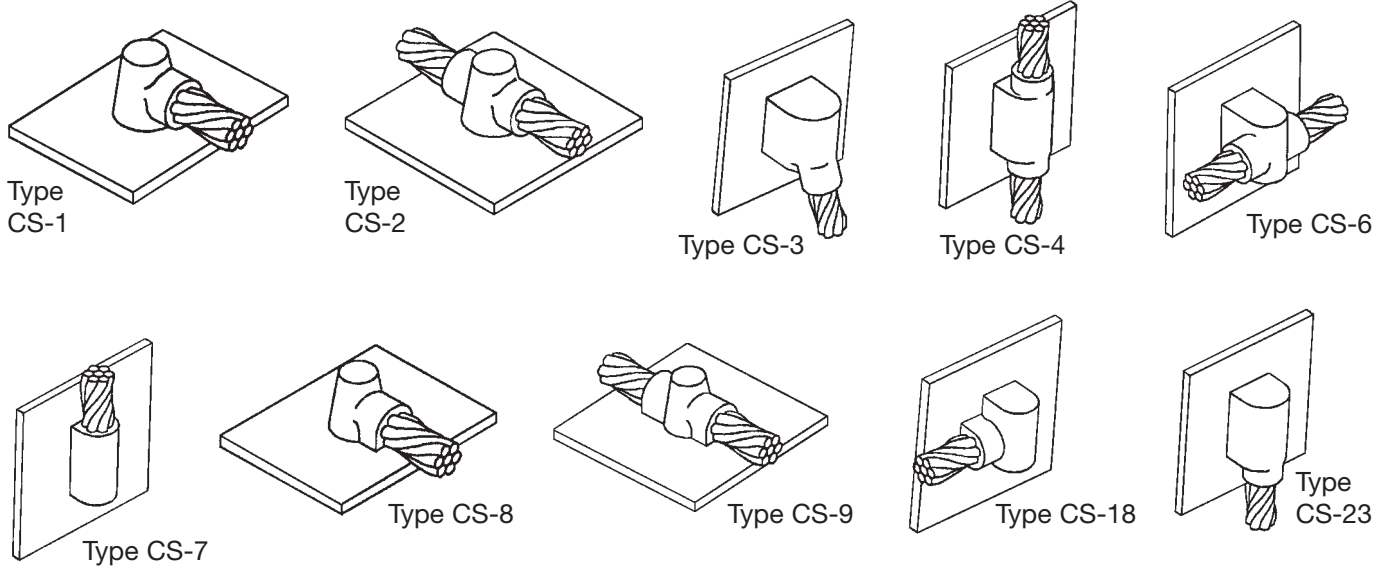
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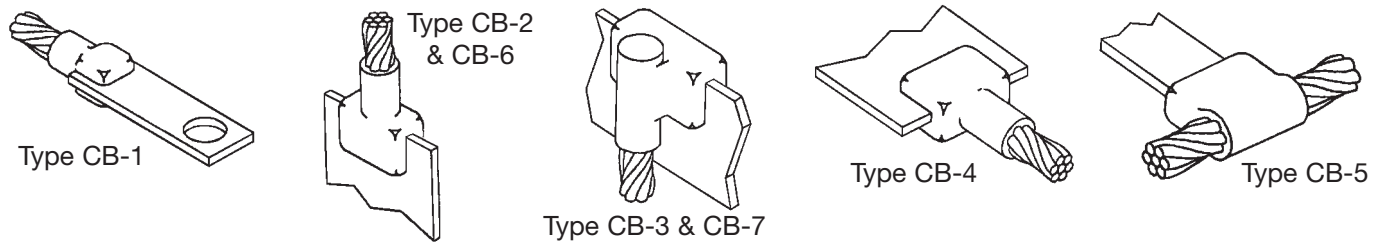
Exothermic Connections

We stock a complete line of weld metals, molds and accessories.
Call for a complete catalog of exothermic weld equipment.

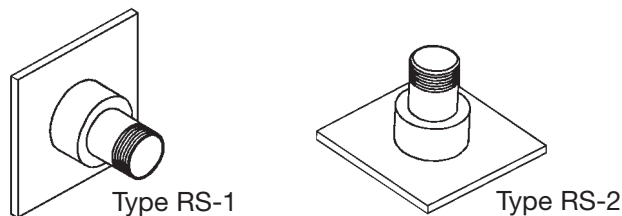
Cable To Surface



Cable To Lug Or Bus



Threaded Stud To Steel Surface



When ordering exothermic molds, be sure to specify the size of the conductor(s) and/or rod(s) you will be using.

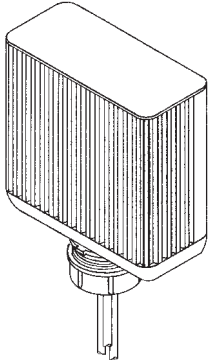
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Arrestors

Lightning Arrestors and Surge Protectors are available for a wide variety of applications.
Call for complete catalog of surge suppression devices.

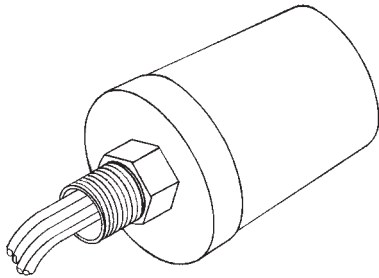


DTK-120/240CM

Ditek brand, single phase, hard wired surge arrester. 120/240 VAC two pole, three wire model. UL listed Surge Arrester.

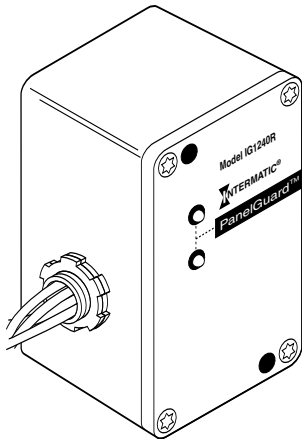
DTK-120/240CM Plus

As above with indicator light.



AG6503

Intermatic brand, three phase, hard wired surge arrester. 600 VAC three pole, four wire model. UL listed Surge Arrester.



IG1240R

Intermatic Whole Home Panel Protector

For use with main or subpanels with a capacity of 200 amps or less. Features dual indicator lights. UL listed to UL 1449.

IG1240FMP3

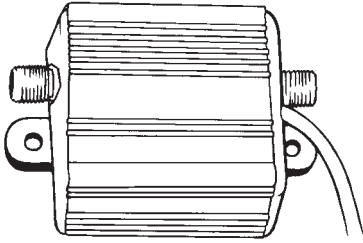
Flush Mount Kit

Adapter Plate for use with IG1240R when applications require flush mounting of the panel protector.



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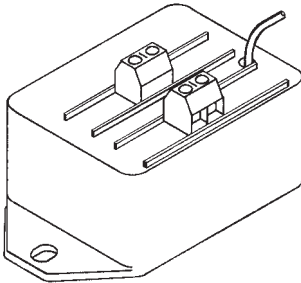
Surge Protectors



DTK-VSP-A

Video/Coax

Ditek brand video line surge protector.
"F" type connectors. UL listed.

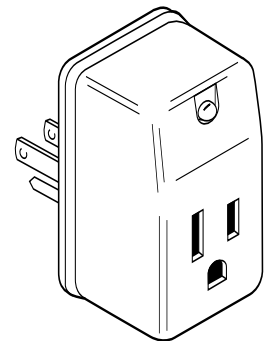
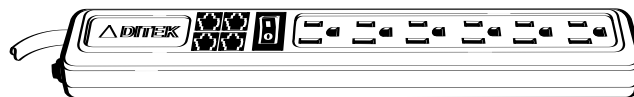
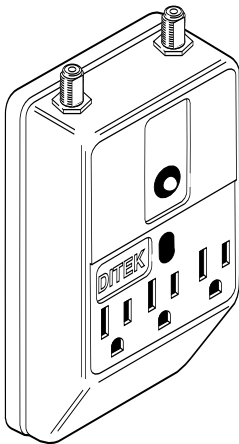


DTK-1P
DTK-2P
DTK-3P
DTK-4P

Data/Voice Line

Ditek brand screw terminal protection for data, voice and loop circuits. Available in 1, 2, 3 and 4 pair configurations. UL listed.

Lightning Arrestors and Surge Protectors are available for a wide variety of applications.
Call for complete catalog of surge suppression devices.



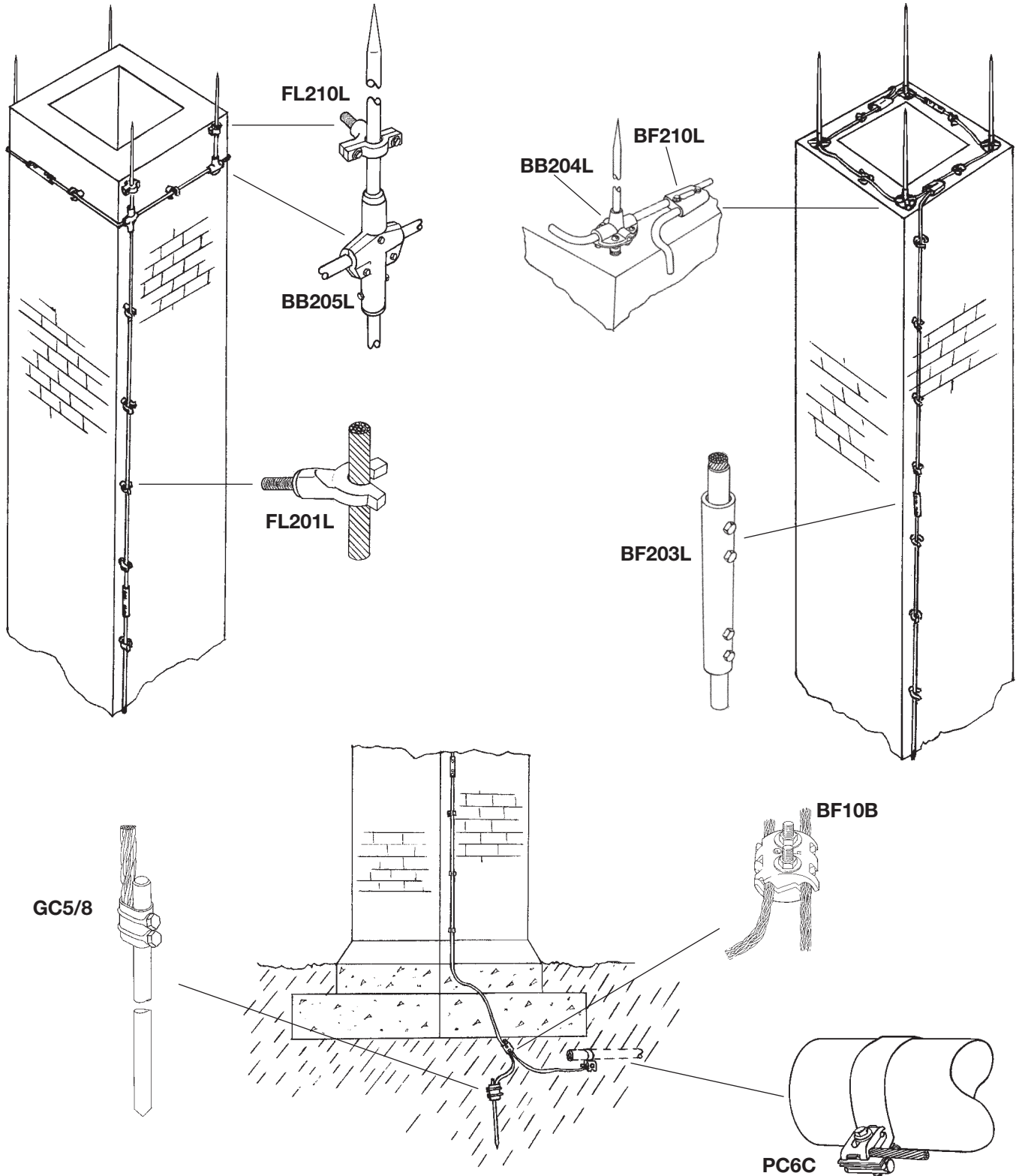
EAST COAST LIGHTNING EQUIPMENT, INC.

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Applications for Heavy Duty Smokestack Equipment

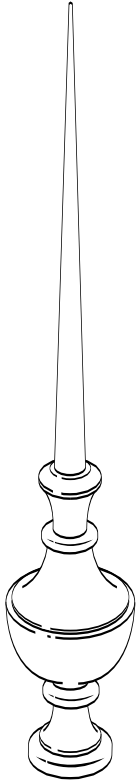


Call factory for pricing and availability.

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Decorative Finials - DF

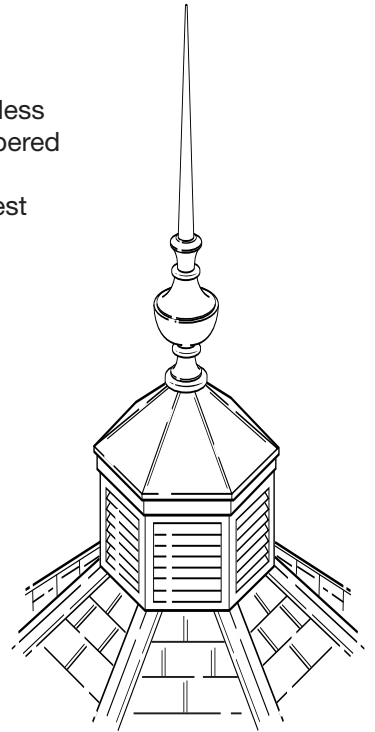


DF72B 72" Bronze Decorative Finial
Cast bronze finial with 1" (25.4mm) diameter stainless steel mounting rod. Each finial is individually numbered and recorded as a factory original.
72" (1.8m) tall, 13 1/2" (34.35cm) diameter at largest section.
Approximately 175 pounds (79.5kg).

DF72A Aluminum
Approximately 70 pounds (31.8kg).

DF96B 96" Bronze Decorative Finial
Cast bronze finial with 1" (25.4mm) diameter stainless steel mounting rod. Each finial is individually numbered and recorded as a factory original. 96" (2.44m) tall, 18" (45.8cm) diameter at largest section.
Approximately 275 pounds (125kg).

DF96A Aluminum
Approximately 110 pounds (50kg).



Bronze decorative finials and terminals are also available tin plated.



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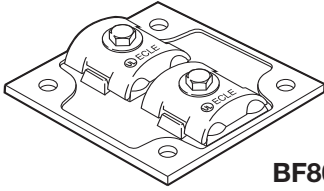
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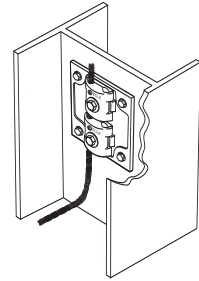
Bolt Fittings - BF

BF800B



16 Square Inch Bonding Plate

Heavy duty cast bronze, 16 square inch bonding plate with 2 two-way bolt pressure cable holders. Stainless steel bolts and washers. 4" x 4" (102mm x 102mm).
Approximately 1 lb 6.8 oz. (647 grams).



BF800A

Aluminum

Approximately 9.12 oz. (260 grams).

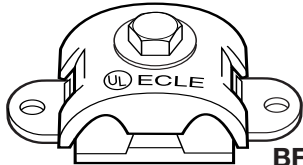
Also available tin plated.



BF16B

3 Square Inch Bonding Plate

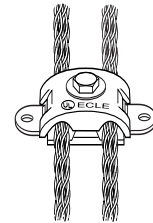
Cast bronze secondary bonding plate. Two-way cable holder with stainless steel bolt and washer. 1-5/8" x 3-1/4" (4.1cm x 8.26cm); approximately 7.1 oz. (201 grams).
New design features larger mounting area for easier fastening.



BF16A

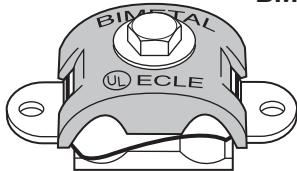
Aluminum

Approximately 2.6 oz. (73.7 grams).



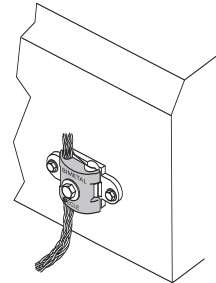
Bimetallic Fittings - BM

BM16



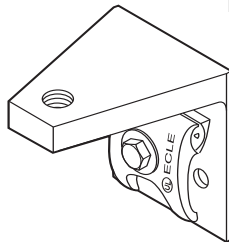
Bimetallic 3 Square Inch Bonding Plate

Cast bimetallic bolt pressure bonding plate for joining copper conductor to non-compatible surfaces. Features aluminum bottom and bronze two-way cable holder top. Stainless steel spacer shim, bolt and washer. 3-1/4" x 1-5/8" (8.26cm x 4.1cm).
Approximately 4 oz. (113 grams).



Bolt Bases - BB

BB700B



2-1/2" Off-Set Side Mount

Cast bronze base with a 1-way bolt pressure cable holder. 2-1/2" offset. 5/16-18 stainless steel washer. 2-3/8" x 3" x 3-1/8" (6cm x 7.6cm x 7.9cm).
Approximately 1 lb 7.2 oz. (658 grams).

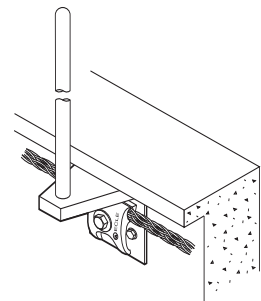
Use suffix 3/8, 1/2 or 5/8 to denote air terminal thread size.

BB700A

Aluminum

Approximately 9.22 oz. (233 grams).

Use suffix 1/2 and 5/8 to denote air terminal thread size.



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