

2012 PRODUCT CATALOG

Rigid/IMC Conduit Bodies

Rigid/IMC Conduit Fittings

Red Fire Alarm Boxes & Fittings

EMT Fittings

EMT Conduit Bodies

PUSH-EMT®

Liquid Tight Fittings

Portable Cord Connectors

Snap-In Fittings

Flexible Metal Conduit Fittings

Armored/Metal Clad Cable Fittings

Transition Fittings

Nonmetallic Cable Fittings

Grounding Products

Straps, Clamps and Hangers

Service Entrance

Voice/Data/Video

Hazardous Location

Specialty Products

Technical Guide



WHAT'S NEW



◀ WHIPPER-SNAP® SG3838ASP ▶

Simply snap in to connect AC/MC cable or 3/8" flexible metal conduit to a box or enclosure. More info on page 84.

PUSH-EMT® Connectors and Couplings ▶

Connect EMT approximately 75% faster than conventional fittings. More info on page 58.



◀ MIGHTY-HOLD® Universal Straps ▶

Easy to use one hole design supports multiple sizes – carry less product on the job. More info on pages 117-118.

MIGHTY-MERGE® Raintight Combination Couplings ▶

Easily transition EMT to rigid for a secure raintight/wet location seal. More info on page 15.



◀ MIGHTY-BOND® Raintight Grounding and Bonding Hubs ▶

Provide a listed method of bonding between ground electrode conductors and boxes or enclosures. More info on page 138.

MIGHTY-RITE® Split Grounding Bushings ▶

Forgot to install a grounding bushing? This simple fix has you covered. More info on page 19.



◀ MIGHTY-SEAL® Raintight Reducing Sealing Washers ▶

Concentric knockouts often break out larger than expected. This easy fix maintains NEMA 3R rating. More info on page 23.

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Your Roadmap to Lower Total Cost

What are you really paying for your fittings? Whatever it is, Bridgeport can cost you less. Because we engineered our products, production, delivery and support to drive Lower Total Cost. Think about it. The true total cost of a product includes the costs of availability, time-to-delivery, trouble-free installation, service and support, and the quality that ensures a defect-free product.

**Trouble-Free
Installation**

When you consider these true costs, Bridgeport Fittings is your Lower Total Cost solution.

Whether you are a contractor, facilities manager, specifier, engineer, or electrical distributor, these are the cost considerations that should be important to you. With Bridgeport, you are assured of both Lower Total Cost and Higher Total Quality.



All fittings are not created equal. Inferior products that may appear to save you a few pennies can actually cost you dollars more – because they cost more to install. In fact, product design, manufacturing and packaging shortfalls lead to higher install costs that drain the profitability out of projects every day.

Just ask any contractor who has opened a carton of fittings and found missing screws, cross-threaded locknuts, or poorly produced products that fall apart. Buying a cheap product is a costly mistake when inferior quality, inconsistency in manufacturing, missing parts, and installation difficulty results in higher installed cost.

Bridgeport cares about the details. Fittings are not commodities to us. Our customers tell us it's the "little things" that make a big difference – little things that ensure trouble-free installation and lower installed cost every time. We don't take anything for granted, and neither should you:

Packaging – sounds simple, but how often does a carton fall apart on the job site due to the weight of the contents? Bridgeport is known for its field-tough packaging that ensures integrity during transport to or movement on the job.

No Loose Components – products stay assembled in the carton so you don't have to search for components or throw away incomplete parts.

Captive Screws – held securely so they do not come loose and engaged flush with the fitting body internal dimension – for a quick installation without backing the screw out prior to usage.

Deep-Slot, Tri-Drive Screws – reduce slippage during tightening and provide maximum flexibility for Phillips, Straight Blade or Robertson square drivers.

Quality, Durable Product – zinc die cast fittings manufactured with the highest-grade zinc alloys, specifically formulated for strong and consistent castings. Product that won't get brittle and crack no matter how long ago they were manufactured.

Zinc Locknuts – perfectly matched to the fittings, with two full-cut threads so the locknut won't jump the connector threads when fully tightened. Reversible and fast threading with a single spin of the nut to promote a trouble-free, time-saving installation. Serrated design provides for increased continuity, and extra tightening lugs are accessible from all angles.

Labor Saving, Quick-Install Products – designed for a trouble-free, time-saving installation, the first time, every time. Products that drive your costs down.

At Bridgeport, we're constantly thinking of ways to help contractors do their jobs better and more efficiently. We're developing a steady stream of new and innovative products that are designed to save time and money.

Product Innovation

Bridgeport innovations drive Lower Total Cost with labor-saving, quick-install products, time-saving transitional fittings and better-designed traditional fittings. It's all smarter thinking from Bridgeport, outside or inside the box:

Quick Install Products – from our patented simple Whipper-Snap® connectors, to our unique patented single-screw AC/MC or NM cable connectors.

Innovative & Unique Problem Solving Products – from our patented low-voltage device holders and cable stackers, to patented colored EMT steel fittings, to the patented protector strip for physical protection of nonmetallic sheath cables in minimum depth walls, to the USL120 set screw connector for use with extra flexible steel conduit.

Raintight Fittings Solutions – from our new patented three-piece UL Listed Raintight couplings for rigid conduit, to our patented Raintight jacketed metal clad (JMC) cable connectors, to our patented zinc die cast Raintight EMT fittings.

Transitional Fittings Solutions – from our patented 4157-DC combination coupling used to join duplex 14/2 to 10/3 AC/MC to ¾" EMT, to our 4360-DC used to join liquid tight conduit to EMT.

Cost Effective Fitting Solutions – from our patented quick install steel expansion fittings, to our E-Z Lock® steel connectors.

OEM/Custom Specification Solutions – from our 543-DC flanged 90° motor panel connector to our other OEM specific product solutions.

Traditional, Industry Leading Fittings – from our unique zinc die cast locknuts to the industry's best EMT zinc die cast fittings.



Brand preference and recognition are a direct result of industry-leading quality. You know quality when you see it. We know quality because we build it. And our quality drives Lower Total Cost through trouble-free installations.



What's behind Bridgeport's legendary product quality?

Proactive Process Control – the best manufacturing preventative maintenance systems prevent problems and poor quality.

Process Monitoring – controls process parameters to ensure quality die cast parts every time. Zinc components are X-rayed daily to ensure process controls are functioning properly. Stamping dies are electronically monitored to ensure quality stampings and zinc plating thickness is electronically monitored to ensure maximum corrosion protection.

Visual Electronic Pattern Recognition – and other sensing systems ensure consistent adherence to standards and specifications during our automated assembly process.

Stringent Material Standards & Specifications – certification of every raw material guarantees adherence to applicable specifications and is augmented by additional internal and third-party conformance testing.

Total Employee Commitment to Quality – the passion, the dedication and the knowledge of generations that demonstrate the ultimate stop-gap to poor quality.

The key to making any quality product is to expertly control the materials, dimensions, and tolerance of every component involved. Our advanced inspection techniques and manufacturing processes ensure absolute quality and reliability – attributes expertly built into every product.



Consistent and reliable delivery, faster decision making and responsiveness – these are the cornerstones of our service and customer satisfaction commitment. Bridgeport service drives Lower Total Costs by having the right product and support where and when you need it.



Product Availability and Speed-of-Delivery – Our distributors rely on our ninety-seven percent plus order fill rates and our speed of delivery. Our contractors and end-user customers rely on our diverse and stable distribution base with ready access to inventory.

Local Support – our premier network of manufacturers’ representatives gives you local management and decision making, day-in and day-out consistency and a high degree of integrity and trust. A strong local presence, commitment and expertise, backed by field and factory-based technical personnel support your every need.

Single-Source, One-Stop Shopping – while we are proud to be the market leader for zinc die cast fittings, we also give you more conduit and cable fittings in malleable iron, steel, aluminum, brass/bronze, and nonmetallic. It’s a product portfolio with the breadth and depth to meet your every need.

Customer-Centric Decision Making – we focus on the value we bring to your business – speed of response-service-delivery, and labor-saving products. As a family-owned business, we rely on customer-focused decision making instead of shareholder-focused numbers making.

Fast Service & Response – Bridgeport is an action-oriented company – our people don’t just deliver, they serve. Whether it’s full-line selection, fast decision making, ease of doing business, or access to top management, you can trust us to be on top of things.



Your Success Is In Our DNA

Trouble-free installation, product and packaging quality, service excellence, ease of doing business, product innovation, and customer-centric decision making – they’re the Bridgeport DNA building blocks that drive everything we do to serve you better. The next time you are ready to purchase fittings, think of Bridgeport, and think Lower Total Cost *and* Higher Total Quality.



A Winning Product Formula



In 2006 Bridgeport Fittings, Inc. announced the purchase of certain assets of Regal Manufacturing, including the Regal Manufacturing name, all rights to the use of the Regal name, patents, drawings, trade marks, part numbers, third party listings, domain names, and tools and dies associated with the manufacture of Regal products. Bridgeport also acquired specific assembly and production equipment associated with the manufacture of Regal products.

The acquisition of specific assets of Regal, and the purchase of the Regal brand name, further strengthens Bridgeport's market position within the electrical industry and reconfirms the company's commitment to be the best in category manufacturer to the industry.

Both Regal and Bridgeport businesses have been based on a tradition of quality products, delivery, and customer intimacy. Both companies were built on strong values, have strong brand recognition and brand preference. The Regal name will continue to thrive under the Bridgeport banner.

Why Does Bridgeport Use Specific Zinc Alloys?

The basic raw material from which most Bridgeport cable and conduit fittings are manufactured is a zinc die casting alloy which is closely controlled by specification, certification, and outside analysis.

Zinc Alloy Specifications

The basic specifications of Bridgeport's zinc alloys are found in ASTM B86. These primary alloys, designated as ZAMAK 7, ZAMAK 3, or ZA-12, are expressly specified by Bridgeport. We only use the highest purity zinc alloys to ensure the highest quality castings. (See Appendix VI)

The functional advantages of these particular alloys and their purity include increased dimensional stability and reduced inter-crystalline oxidation in our finished castings. In simple terms, it means that Bridgeport's fittings can adhere to tighter tolerances, and won't get brittle and crack no matter how long ago they were manufactured.



Material Certifications

The certification of every delivery of alloy or raw material received by Bridgeport guarantees that all material used conforms to the required specification. (See Appendix V)

In the case of our zinc alloys, these certifications are made by our vendor in accordance with ASTM B86. Each batch is chemically analyzed using Emission Spectrochemical Analysis, and reported by the vendor's laboratory on a certification document that accompanies each delivery. These certifications are legal documents that warrant the chemical composition of the zinc alloy and ultimately help guarantee the quality of Bridgeport's zinc castings.

We also require certifications for other raw materials which are used in listed product. An example is UL Listed plastic components must be certified to pass the UL94V Flammability Specification Test.

These certifications are examined at several points before a delivery is accepted. Receiving, Quality Control, Die Casting, Purchasing, and Accounts Payable personnel all review the certifications.



STEEL vs. ZINC?

Steel has been used for years in the manufacture of many electrical products. Why would the best fittings not be made of steel? The answer lies in the performance requirements of conduit fittings. These standards are specified in UL 514B, and are based on the National Electrical Code. A properly designed and manufactured zinc alloy fitting can exceed the requirements of UL 514B, and offer several functional advantages besides a savings in installation cost. The perception that steel fittings will outperform similar type fittings manufactured from die cast zinc is untrue. In fact, just the opposite may be true.



During the listing process at Underwriters Laboratories, ALL fittings, regardless of material, are tested to the same stringent UL 514B standard to comply with application requirements of the National Electrical Code.

For example, ALL EMT connectors are subjected to the following tests:

- Method of assembly
- Screw torque test (set screw type) or Hex nut torque test (compression type)
- Metallic coating thickness test (steel only)
Concrete-Tightness test (set screw type or compression type) or Rain-Tight test (compression type)
- Bend test and Pull test
- Electrical Resistance test
- Ground Fault current test
- EMT deformation test (set screw type only)

The same parameter test values are used throughout the UL testing procedure regardless of material. Some functional tests include set screw torque of 35 in-lbs.

(160 in-lbs. for hex head screw), compression nut torque of 175 in-lbs. (1") to 1600 in-lbs. (2" and up), conduit pull test of 300 lbs. (1") to 1000 lbs. (2" and up), and current test of 1180 amperes for 4 seconds (1") to 5050 amperes for 9 seconds (3" and up).

In addition to similar performance characteristics, zinc die cast fittings are accepted by Federal Specifications A-A-50553, A-A-50552, A-A-50563, and ANSI/NEMA FB 1.

Primary Benefits Of Die Cast Zinc Fittings

1. DIMENSIONAL CONSISTENCY

Perhaps the most important advantage is that of dimensional consistency. The high quality zinc alloys Bridgeport uses are unique in their ability to hold very close tolerances in our properly designed dies. A maximum variation of $\pm .002$ " in a particular dimension from one casting to another is not unusual. Long-term consistency of this kind is difficult to achieve in steel.

2. CORROSION PROTECTION

An important advantage of zinc alloys over steel is its inherent corrosion protection. The NEC requires that all ferrous metal surfaces be protected with a coating, typically zinc plating. Zinc alloy fittings do not need protective coating because the protection goes all the way through. The corrosion resistance of Bridgeport's fittings is enhanced by a burnishing process, which is applied to each cast component immediately after the casting and trimming process. Burnishing closes the surface porosity, and gives Bridgeport's fittings their characteristic shine.

3. FUNCTIONAL ADVANTAGES

One of the most noted advantages of zinc fittings is with their ease of assembly with a locknut. Threading a zinc locknut onto a zinc connector is much easier than with the same assembly in steel. The reason lies in zinc's inherent surface smoothness and lubricity not found in steel or zinc-plated steel fittings. The result is a locknut that can easily be threaded onto a connector by feel and with little effort. One other functional advantage is the reduction in weight vs. a steel fitting. Pound for pound, die cast zinc is about 16% lighter than cold rolled steel. This translates into easier handling of inventory.

Bridgeport's Quality Control

Bridgeport uses only carefully selected high-grade raw materials – steel, malleable iron, aluminum or zinc – to meet the high standards of the company's manufacturing process. In addition, all purchased component parts must meet or exceed Bridgeport's engineering specifications and drawings. By adhering to these quality standards, Bridgeport can deliver the easy-to-install products that customers expect.



At Bridgeport, advanced inspection techniques are used to ensure the absolute quality and reliability that is built into every electrical product. Inspection begins with the receipt of purchased material and includes

scheduled testing by trained inspectors, as well as continuous in-process inspection by assemblers and machine operators. This critical process safeguards consistency in manufacturing.

Bridgeport's quality control system is based on MIL-Q-9858, and the inspection system is based on MIL-I-45208. Our goal is to have less than a 1% defect rate. We constantly monitor our internal manufacturing processes with regular inspections, including first and last piece, as well as in-process inspections. Our quality teams meet daily and weekly to discuss and rectify issues that result in non-conforming product. We track and monitor these production issues and ensure they are addressed. The end result is unsurpassed quality and value to our customers.

The key to making any quality product is to expertly control the materials, dimensions, and tolerances of every component involved. While we manufacture as much as possible in-house, some components are ultimately purchased from outside vendors. We find that vendors will often suggest ways to cut corners and save money. These suggestions are almost always rejected by Bridgeport, since the only primary design considerations are function and quality. Economic considerations are met by the volume resulting from the demand for our high quality product priced at a reasonable level.

In addition, Bridgeport minimizes the variable effect of outside sources by producing its own components whenever possible. Such items as fitting covers, lock-nuts, and compression rings are produced under the careful control of the same Bridgeport engineers who produce the castings. The result is a line of fittings that function perfectly together.

Product Features Spotlight Screws



Screws are one of the most carefully controlled components used in the manufacture of Bridgeport's fittings. Each screw is

individually specified by Engineering, depending upon the requirements of each application. After specification, screw designs are sent to Purchasing for quotation and design refinements. Bridgeport's Tri-Drive screws are specifically designed to work with three different types of drivers: Phillips, Straight Blade, and Robertson (square). Each screw is coated with quality zinc plating. The result is a screw that can handle the rigors of today's automatic drivers in the field.



Zinc Locknuts

Locknuts are critical to the function of a fitting, yet many manufacturers offer the least expensive locknuts available – especially in zinc. Some offer a nut that has less than one complete thread to engage the fitting. Still, others use a very thin locknut that may never have been submitted to UL for listing with conduit.



Bridgeport has a unique zinc locknut which is perfectly matched to the fitting in every size - perfectly matched because the thread of the locknut and the thread of the fitting are designed by Bridgeport's engineers, produced in Bridgeport's or other authorized factories, and inspected by Bridgeport's Quality Control specialists. The locknuts themselves are of excellent quality, listed by UL for use inside or outside a box, on fittings, and on some conduit sizes. The result of this attention to detail is a fitting that can be installed with a single spin of the nut, a small advantage, but a benefit multiplied by the many millions of fittings sold by Bridgeport each month.

When installing connectors to enclosures, NEC article 250.96 requires effective bonding of the metallic raceway to the box or enclosure to maintain continuity and safely conduct ground fault current likely to be imposed. Additionally, non-conductive paint or similar coating must be removed at the locknut contact surface unless the fitting is designed to remove the coating during normal assembly.

During a fact-finding study conducted by UL, the observation was made that die cast zinc serrated locknuts, such as those manufactured by Bridgeport, have the ability to remove non-conductive coatings and safely maintain ground fault current. Other styles of die cast zinc locknuts, such as flat or "nibbed" types, had difficulty passing this UL testing.

All of Bridgeport's zinc die cast connectors feature reversible serrated zinc die cast locknuts, which provide increased coating penetration and gripping power. Precision cut threads and extra tightening lugs ease assembly.

To ensure proper removal of paint or coating from enclosure, install the connector into the opening, assemble locknut hand tight, and then tighten the locknut 1/4 additional turn. After assembly, look for shiny surfaces in between lugs on the enclosure where the paint or coating has been removed. Always use UL listed connectors with Bridgeport's unique serrated, cut thread, die cast zinc locknut such as Bridgeport Cat. Nos. 101-DC through 110-DC.

Bridgeport's Design & Manufacturing Processes

Many of the processes and tools used in the manufacture of Bridgeport Fitting's products are proprietary. However, we have provided a brief overview below:

Computer Aided Design (CAD)

Bridgeport's engineering department has standardized on the latest version of SolidWorks™ CAD software for all products and tooling design. In addition, we also maintain and use CadKey™, which was previously used to make older drawings. SolidWorks™ allows Bridgeport to create 3D designs inside the computer. This helps the engineer to better visualize the design in ways that older 2D systems cannot provide. The result is a value engineered product capable of meeting all required specifications.



After a component is designed in CAD, engineering may use Rapid Prototyping (RP) technology to 'print' out precise, 3D, plastic parts to evaluate before tooling is made. These models are so accurate, engineering can actually test fit them with mating components to further validate designs.

Bridgeport's CAD files are then able to be exported to a Computer Aided Manufacturing (CAM) system, which is able to directly machine the tools that make production components. The equipment that is compatible with CAM is Bridgeport's Computer Numerical Control (CNC) Milling or Electro-Discharge Machining (EDM) equipment.

What this means is that Bridgeport's engineers and toolmakers have the latest tools and technologies to properly and expertly create high-quality and precision tooling, thereby allowing better development and evolution of product design.



In-House Tooling

Tools, dies, molds, and sophisticated automated production machines are produced in-house, by our own Tool and Die Department. Virtually every tooling element is routinely produced and maintained to the highest standards in the industry. Our expert tool and die makers maintain a large quantity of tools, including die cast molds, progressive stamping dies, automated fixturing, and assorted custom tooling.

Typical tolerances for finished castings are to within .003" or less, and tooling tolerances are often as small as to within .0005" for critical dimensions. In addition, our stamping dies are designed and maintained to prevent tool breakage and component issues. We have invested heavily in our CNC milling and lathe operations, as well as our CNC Wire and Electrode EDM equipment. This means that our tooling parts are more consistent and are easier to replace when worn.

Automated Manufacturing

Once designed and built, Bridgeport tooling runs in some of the most modern and best-maintained equipment in the industry. Many of our diecast machines are fully automatic with computer process controls. Some castings are trimmed in a separate operation on hydraulic presses to insure



a clean parting line and virtually perfect external threads. Other castings are automatically trimmed in the casting machine, which shortens process time. Our state-of-the-art automatic assembly equipment tests all important fittings characteristics before assembly. These checks include screws driven to correct depth and torque, locknuts threaded near the shoulder of the fittings (to prevent coming loose during shipping), compression hex nuts properly assembled to body with gland ring in place, and smooth reaming and chamfering of fitting throats for ease in wire pulling.

Patents

Today, Bridgeport still continues to develop new and innovative products that are designed to save the customer time and money. Bridgeport has many products that are covered by one or more of the following US Patents:

US Design Patents

D604,242	D601,094	D600,651	D600,650
D600,649	D596,578	D581,877	D558,542
D545,650	D535,949	D538,751	D538,752
D539,751	D534,060	D473,783	D479,984
D530,678	D518,791	D439,828	D408,790
D404,362	D365,510	D360,188	

US Patents

7,723,623	7,703,813	7,645,947	7,604,261
7,582,831	7,563,100	7,549,549	7,494,157
7,488,905	7,438,327	7,402,752	7,390,027
7,358,448	7,350,832	7,214,890	7,205,489
7,164,086	7,154,042	7,151,223	7,075,007
7,071,410	7,064,273	7,064,272	7,057,107
7,045,714	7,022,914	7,002,076	6,953,894
6,935,891	6,916,988	6,872,886	6,861,585
6,860,758	6,817,895	6,765,143	6,737,584
6,555,750	6,444,907	5,342,994	5,189,258
2,304,167	2,137,840	2,122,252	1,750,469
1,579,361			

Trademarks

The following are trademarks of Bridgeport Fittings, Inc.:



- 38 Special®
- Whipper-Snap®
- Bridgeport Quality Conduit & Cable Fittings®
- Bridgeport Switch®
- Red®
- Regal®
- Regal Fittings®
- Regal Manufacturing®
- Go Deep®



Superior Finishes

After Bridgeport's extended manufacturing processes, zinc die-cast fittings are burnished to make the surface finish of the fittings brighter, to close surface porosity and enhance corrosion resistance, and to remove any scaling or discoloration. Using high-grade, stainless-steel media and special chemicals in the burnishing process, Bridgeport produces fittings with a quality luster that improves the surface finish and value.

The purpose is to reduce installation costs, and to increase installation quality for end users. Smoother and cleaner fittings assemble more easily and quickly, especially in bad weather. Wire pulling is never slowed down by a Bridgeport fitting.

Our steel component parts are zinc plated per ASTM B633 – Type I, Bright or Semi-Bright, and UL514B - 5.1.3.1, Table 17. We constantly monitor our zinc plating quality and thickness to insure a durable, high-performance, corrosion-resistant coating.

Daily Inspections

Most of Bridgeport's fittings are assembled and machined on highly automated production equipment, and each of these machines are purpose-designed and built by Bridgeport to conduct multiple inspections of the product being manufactured. Many thousands of automated inspections are made each day at the Bridgeport factory. As a result, customers are assured of the high quality of each Bridgeport fitting purchased.

Craftmanship

Bridgeport is proud of its personnel. The demands of producing the best fittings available require that competent and well-trained people care about good workmanship.

Packaging

Bridgeport assures our products get to market ready for installation by providing quality packaging second-to-none in the industry. Our heavy-duty, corrugated packaging, is designed for full product fill, is top loading for easy product access, and is shaped to maximize shelf space. All packaging is clearly labeled with application and certification data.

Packaging Bar Codes



Bridgeport provides bar coding symbols on all of our shipping containers, which helps distributors speed up shipping, receiving, and inventory control.

Bridgeport follows identification guidelines set forth in 1987 by efforts of the National Electrical Manufacturers Allocation (NEMA), the National Electrical Manufacturers Representatives Association (NEMRA), and the National Association of Electrical Distributors (NAED). These standards employ the use of the UPC Shipping Container Symbol (Interleaved 2 of 5).

Bridgeport can send you the necessary information that relates to our bar code numbers, their descriptions, and package quantities.

Electrical Codes, Standards and Inspection Authorities

Bridgeport's products are conceived, engineered, manufactured, and inspected according to the recognized standards of the electrical industry. The Bridgeport catalog carries references by individual product to Underwriters Laboratories and Canadian Standards Association control numbers. Wherever listings are required by our customers, they are obtained and maintained. We also will obtain other listings which may be required for specific applications or geographic areas.



Bridgeport's product designs are continually reviewed for conformance to the latest National Electrical Code, UL, CSA, MIL-SPEC, and Federal Specification requirements. Our listed products often exceed standards established by these agencies.

Our involvement on many committees at Underwriters Laboratories, Canadian Standards Association, and NEMA, confirms our commitment to manufacture quality products. When listings are required by our customers or end users, they will be obtained wherever possible. Requests for such listings should be directed to the Bridgeport factory or factory representatives.





Third Party Certification Listings

Currently, Bridgeport Fittings maintains listings at UL and CSA. However, we are not limited to certain marks, such as UL or CSA. NEC Articles 100.3(A&B), 90.7 & 100 defines product approval as being listed and labeled by a **third party**.

In fact, there are other certification organizations equally recognized and accepted. These testing and certification laboratories are included on a **Nationally Recognized Testing Laboratory (NRTL)** list. The NRTL program is part of the Occupational Safety and Health Administration's (OSHA) directive to ensure products are safe for use in the U.S. workplace. It recognizes the capabilities of private-sector testing organizations to determine whether a specific product meets safety standards developed by the American National Standards Institute (ANSI), Underwriters Laboratories (UL), American Society for Testing and Materials (ASTM), MIL-SPEC, and others.

Each of the NRTL's is certified by OSHA to be able to provide testing services for one or more specifications (i.e. UL, ASTM, ANSI, NEMA, etc.). The current OSHA NRTL list and each lab's testing capabilities can be found at:

<http://www.osha.gov/dts/otpca/nrtl/index.html#nrts>

Like the  UL and  CSA marks, other marks also indicate that our product has been independently tested by a NRTL, and that it has met the minimum requirements of widely accepted product safety standards (such as UL 514B). It also indicates that we have agreed to periodic follow-up inspections to verify continued compliance.

The following are examples of other approved NRTL's that Bridgeport may use in the future:




How Do I Specify Bridgeport Fittings?

Many contractors and engineers ask us how to specify Bridgeport and make sure that's what is installed.

A general specification may read as follows:

“FITTINGS: Metal conduit and EMT fittings shall be zinc-plated malleable iron, steel, aluminum, or zinc die cast as manufactured by Bridgeport Fittings, Inc. Connectors and couplings shall be threaded, set screw, or compression type, concrete-tight or rain-tight, when properly installed. Conduit bodies shall be malleable iron or aluminum, with cover gaskets when exposed to weather.”

Other characteristics that set Bridgeport apart from other fittings include:

- Ball burnished finish on all die cast zinc components
-  logo appears on each fitting and/or box
- Steel parts are quality zinc plated for corrosion protection
- Zinc locknuts have precision machine-cut threads & serrated faces
- All set-screw products have staked screws
- Throat diameters are smooth with no sharp edges
- Quality materials are used for every component

For answers to specific product questions please contact Bridgeport's engineering department.

Memberships and Credentials

Bridgeport Fittings, Inc. maintains membership in the National Electrical Manufacturers Association (NEMA) and actively participates in its efforts to develop and maintain high standards for the electrical industry. Bridgeport also has an active membership in the National Fire Prevention Association (NFPA) in order to support the writing and revision process of the National Electrical Code (NEC), and to make every effort to contribute to the value of the code as a safety standard. In addition, Bridgeport is active on the technical advisory committees of Underwriters Laboratories, Inc (UL) in order to contribute to the maintenance and fair application of a universal standard in the National Electrical Code.



We welcome comments from users of Bridgeport's products whenever the need is felt to bring an issue to the attention of any of the organizations we are affiliated with. This kind of advocacy is part of the responsibility shared by all within the industry, and your input counts.

RoHS Compliance & Environmental Statements

The directive on the **Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment** (commonly referred to as the Restriction of Hazardous Substances Directive or **RoHS**) was adopted in February 2003 by the European Union. The RoHS directive took effect on July 1, 2006, and is required to be enforced and become law in each member state of the EU. This directive restricts the use of six hazardous materials in the manufacture of various types of electronic and electrical equipment. It is closely linked with the Waste Electrical and Electronic Equipment Directive (WEEE) which sets collection, recycling and recovery targets for electrical goods and is part of a legislative initiative to solve the problem of huge amounts of toxic e-waste.

The following substances are restricted by RoHS:

1. Lead
2. Mercury
3. Cadmium
4. Hexavalent chromium (chromium xxx or Cr6+)
5. Polybrominated biphenyls (PBB)
6. Polybrominated diphenyl ether (PBDE)

All of Bridgeport's products comply with the RoHS Directive. As a side note, many of our products are exempt from the RoHS Directive, as they are typically used in fixed industrial/commercial buildings and equipment.

Bridgeport Fittings, Inc. is committed to being environmentally responsible. We have obtained and maintain the proper permits, and have proper waste disposal processes and procedures in place to make sure we are compliant with all local, state, and federal environmental regulations. We also recycle our zinc scrap in house to reduce our impact on the environment.



Bridgeport Fittings, Inc. does not use any Ozone Depleting Substances in the manufacture of its products.

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GENERAL NOTES

General Notes and Product Standards

- For product dimensions, consult our on-line catalog at www.bptfittings.com.
- Due to ongoing product improvements, specifications and dimensions are subject to change without prior notice.
- Underwriters Laboratories, Canadian Standards Association, and Federal Specifications are current at time of publication but are subject to change without prior notice. Current  and  listings are noted on the smallest unit carton label. Look for the appropriate logo.
- This manual is intended for use as a guide in selection of electrical fittings manufactured by Bridgeport Fittings, Inc. Do not use this manual as an interpretation of the National Electrical Code or local regulations. Always consult your local electrical inspector for requirements in your area.

Products listed or certified comply with the following certifications and specifications:

Product Group	UL Standard	NEMA Standard	Federal Specification	CSA Standard
Rigid & IMC Conduit Bodies	UL-514A	FB-1	W-C-586D	C22.2 18.3-04
Rigid & IMC Conduit	UL-514B	FB-1	A-A-50553	C22.2 18.3-04
Red Fire Alarm Boxes and Fittings	UL-514A	OS1	A-A-50563	–
	UL-514B	FB-1	A-A-50553	–
EMT	UL-514B	FB-1	A-A-50553	C22.2 18.3-04
Liquid Tight	UL-514B	FB-1	A-A-50552	C22.2 18.3-04
Portable Cord	UL-514B	FB-1	A-A-50552	C22.2 18.3-04
Flexible Metal & AC/MC Cable	UL-514B	FB-1	A-A-50552	C22.2 18.3-04
Nonmetallic Cable	UL-514B	FB-1	A-A-50552	C22.2 18.3-04
Grounding Fittings	UL-467	FB-1	A-A-50552	–
Service Entrance	UL-514B	FB-1	W-C-586D	C22.2 18.3-04
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BRIDGEPORT'S


PRODUCT CATALOG

Type C



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance.

 File No. E11077

 File No. 702847 (C-41CG thru C-46CG)

Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-41CG	1/2"	10	60
C-42CG	3/4"	10	60
C-43CG	1"	5	30
C-44CG	1 1/4"	2	10
C-45CG	1 1/2"	2	10
C-46CG	2"	1	6
C-47CG	2 1/2"	---	1
C-48CG	3"	---	1
C-49CG	3 1/2"	---	1
C-50CG	4"	---	1



Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-41	1/2"	10	60
C-42	3/4"	10	60
C-43	1"	5	30
C-44	1 1/4"	2	10
C-45	1 1/2"	2	10
C-46	2"	1	6
C-47	2 1/2"	---	1
C-48	3"	---	1
C-49	3 1/2"	---	1
C-50	4"	---	1

Malleable Iron


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-61	1/2"	5	50
C-62	3/4"	5	50
C-63	1"	2	20
C-64	1 1/4"	2	10
C-65	1 1/2"	2	10
C-66	2"	1	6
C-67	2 1/2"	---	1
C-68	3"	---	1
C-69	3 1/2"	---	1
C-70	4"	---	1




Combination Type C



Units are threaded for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit.

Aluminum with Cover and Gasket


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-41CGC	1/2"	10	60
C-42CGC	3/4"	10	60
C-43CGC	1"	5	30
C-44CGC	1 1/4"	2	10
C-45CGC	1 1/2"	2	10
C-46CGC	2"	1	6

Type LB



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance.

 File No. E11077

 File No. 702847 (LB-41CG thru LB-50CG)

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-41	1/2"	10	60
LB-42	3/4"	10	60
LB-43	1"	5	30
LB-44	1 1/4"	2	10
LB-45	1 1/2"	2	10
LB-46	2"	1	6
LB-47	2 1/2"	---	1
LB-48	3"	---	1
LB-49	3 1/2"	---	1
LB-50	4"	---	1

Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-41CG	1/2"	10	60
LB-42CG	3/4"	10	60
LB-43CG	1"	5	30
LB-44CG	1 1/4"	2	10
LB-45CG	1 1/2"	2	10
LB-46CG	2"	1	6
LB-47CG	2 1/2"	---	1
LB-48CG	3"	---	1
LB-49CG	3 1/2"	---	1
LB-50CG	4"	---	1


Malleable Iron


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-61	1/2"	5	50
LB-62	3/4"	5	50
LB-63	1"	2	20
LB-64	1 1/4"	2	10
LB-65	1 1/2"	2	10
LB-66	2"	1	6
LB-67	2 1/2"	---	1
LB-68	3"	---	1
LB-69	3 1/2"	---	1
LB-70	4"	---	1

Combination Type LB



Units are threaded for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit.

Aluminum with Cover and Gasket


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-41CGC	1/2"	10	60
LB-42CGC	3/4"	10	60
LB-43CGC	1"	5	30
LB-44CGC	1 1/4"	2	10
LB-45CGC	1 1/2"	2	10
LB-46CGC	2"	1	6

Type LL



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance.

 File No. E11077

 File No. 702847 (LL-41CG thru LL-50CG)

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-41	1/2"	10	60
LL-42	3/4"	10	60
LL-43	1"	5	30
LL-44	1 1/4"	2	10
LL-45	1 1/2"	2	10
LL-46	2"	1	6
LL-47	2 1/2"	---	1
LL-48	3"	---	1
LL-49	3 1/2"	---	1
LL-50	4"	---	1

Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-41CG	1/2"	10	60
LL-42CG	3/4"	10	60
LL-43CG	1"	5	30
LL-44CG	1 1/4"	2	10
LL-45CG	1 1/2"	2	10
LL-46CG	2"	1	6
LL-47CG	2 1/2"	---	1
LL-48CG	3"	---	1
LL-49CG	3 1/2"	---	1
LL-50CG	4"	---	1



Malleable Iron


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-61	1/2"	5	50
LL-62	3/4"	5	50
LL-63	1"	2	20
LL-64	1 1/4"	2	10
LL-65	1 1/2"	2	10
LL-66	2"	1	6
LL-67	2 1/2"	---	1
LL-68	3"	---	1
LL-69	3 1/2"	---	1
LL-70	4"	---	1



Combination Type LL



Units are threaded for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit.

Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-41CGC	1/2"	10	60
LL-42CGC	3/4"	10	60
LL-43CGC	1"	5	30
LL-44CGC	1 1/4"	2	10
LL-45CGC	1 1/2"	2	10
LL-46CGC	2"	1	6

Combination Type LL/LR



Combination type LL/LR style. Units are threaded for use with rigid or IMC as well as set screws for use with EMT. Preassembled with cover and gasket.

File No. E11077

Listed Raintight when used with rigid conduit.

Combination Type LR



Units have a threaded interior for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

File No. E11077

Listed Raintight when used with rigid conduit.

Type LR



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance.

File No. E11077

File No. 702847 (LR-41CG thru LR-50CG)

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-41	1/2"	10	60
LR-42	3/4"	10	60
LR-43	1"	5	30
LR-44	1 1/4"	2	10
LR-45	1 1/2"	2	10
LR-46	2"	1	6
LR-47	2 1/2"	---	1
LR-48	3"	---	1
LR-49	3 1/2"	---	1
LR-50	4"	---	1

Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LLR-41	1/2"	10	60
LLR-42	3/4"	10	60
LLR-43	1"	5	30
LLR-44	1 1/4"	2	10
LLR-45	1 1/2"	2	10
LLR-46	2"	---	5

Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-41CGC	1/2"	10	60
LR-42CGC	3/4"	10	60
LR-43CGC	1"	5	30
LR-44CGC	1 1/4"	2	10
LR-45CGC	1 1/2"	2	10
LR-46CGC	2"	1	6

Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-41CG	1/2"	10	60
LR-42CG	3/4"	10	60
LR-43CG	1"	5	30
LR-44CG	1 1/4"	2	10
LR-45CG	1 1/2"	2	10
LR-46CG	2"	1	6
LR-47CG	2 1/2"	---	10
LR-48CG	3"	---	10
LR-49CG	3 1/2"	---	10
LR-50CG	4"	---	10



Malleable Iron


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-61	1/2"	5	50
LR-62	3/4"	5	50
LR-63	1"	2	20
LR-64	1 1/4"	2	10
LR-65	1 1/2"	2	10
LR-66	2"	1	6
LR-67	2 1/2"	---	1
LR-68	3"	---	1
LR-69	3 1/2"	---	1
LR-70	4"	---	1




Type T



Threaded bodies for rigid conduit or IMC allow access for inspection, pulling and maintenance.

 File No. E11077

 File No. 702847 (T-41CG thru T-50CG)

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg
T-41	1/2"	10	60
T-42	3/4"	10	60
T-43	1"	5	30
T-44	1 1/4"	2	10
T-45	1 1/2"	2	10
T-46	2"	1	6
T-47	2 1/2"	---	1
T-48	3"	---	1
T-49	3 1/2"	---	1
T-50	4"	---	1

Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-41CG	1/2"	10	60
T-42CG	3/4"	10	60
T-43CG	1"	5	30
T-44CG	1 1/4"	2	10
T-45CG	1 1/2"	2	10
T-46CG	2"	1	6
T-47CG	2 1/2"	---	1
T-48CG	3"	---	1
T-49CG	3 1/2"	---	1
T-50CG	4"	---	1



Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-61	1/2"	5	50
T-62	3/4"	5	50
T-63	1"	2	20
T-64	1 1/4"	2	10
T-65	1 1/2"	2	10
T-66	2"	1	6
T-67	2 1/2"	---	1
T-68	3"	---	1
T-69	3 1/2"	---	1
T-70	4"	---	1



Combination Type T



Units have a threaded interior for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit.


Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-41CGC	1/2"	10	60
T-42CGC	3/4"	10	60
T-43CGC	1"	5	30
T-44CGC	1 1/4"	2	10
T-45CGC	1 1/2"	2	10
T-46CGC	2"	1	6

Service Entrance LB



Allows access to the interior of a conduit system for inspection, pulling and maintenance. Mounts flush against structure. Raintight.

 File No. E11077

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1025	1/2"	5	50
1026	3/4"	5	50
1027	1"	---	20
1028	1 1/4"	---	10
1029	1 1/2"	---	5
1030	2"	---	4
1028-XL	1 1/4"	---	10
1030-XL	2"	---	6

Mogul Conduit Bodies




MLB-44 thru MLB-46



MLB-47 thru MLB-50

Allows larger access to the inside of a raceway for wire pulling. Raintight.

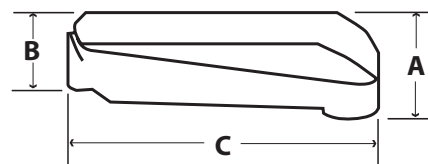
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 File No. E11077 (MLB-47 thru MLB-50)

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
MLB-44	1 1/4"	---	5
MLB-45	1 1/2"	---	2
MLB-46	2"	---	2
MLB-47	2 1/2"	---	1
MLB-48	3"	---	1
MLB-49	3 1/2"	---	1
MLB-50	4"	---	1


Catalog Number	Dim A	Dim B	Dim C
MLB-44	3 1/2"	3"	9 1/2"
MLB-45	5 1/8"	4"	14 1/2"
MLB-46	5 1/8"	4"	14 1/2"
MLB-47	10 1/2"	8 11/16"	22 3/4"
MLB-48	10 1/2"	8 11/16"	22 3/4"
MLB-49	12"	10"	29 1/8"
MLB-50	12"	10"	29 1/8"



Conduit Body Covers



Encloses conduit body; supplied with screws.

 File No. E11077 Aluminum Only
(SC-41 thru SC-49)

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SC-41	1/2"	25	100
SC-42	3/4"	25	100
SC-43	1"	25	10
SC-44	1 1/4" - 1 1/2"	10	100
SC-46	2"	---	25
SC-47	2 1/2" - 3"	---	20
SC-49	3 1/2" - 4"	---	5

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SC-61	1/2"	25	100
SC-62	3/4"	25	100
SC-63	1"	25	100
SC-64	1 1/4" - 1 1/2"	10	100
SC-66	2"	---	25
SC-67	2 1/2" - 3"	---	20
SC-69	3 1/2" - 4"	---	5

Conduit Body Gaskets



SG series provides dust-tight seal between conduit body and cover.

SGN series provides both dust and rain-tight protection.

SGN gaskets are impervious to most liquids and oil.

Cellulose

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SG-61	1/2"	100	1000
SG-62	3/4"	100	1000
SG-63	1"	50	500
SG-64	1 1/4" - 1 1/2"	---	100
SG-66	2"	---	100
SG-67	2 1/2" - 3"	---	100
SG-69	3 1/2" - 4"	---	25

Neoprene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SGN-61	1/2"	100	1000
SGN-62	3/4"	100	1000
SGN-63	1"	50	500
SGN-64	1 1/4" - 1 1/2"	---	100
SGN-66	2"	---	100
SGN-67	2 1/2" - 3"	---	100
SGN-69	3 1/2" - 4"	---	25

Set Screw Connectors





1/2" thru 1"



2 1/2" thru 4"

Set screw type fitting used to join unthreaded rigid conduit to box or enclosure. Concrete-tight.

 File No. E24001*: 236-DC2 thru 239-DC2; 236-DCI2 thru 239-DCI2

*Note: 2 1/2" thru 4" is  listed for rigid steel or aluminum EMT conduit.

Set Screw Connectors



1/2" thru 1 1/2"



2"



2 1/2" thru 4"




1" thru 2"
Malleable



5" & 6"
Malleable

Set screw type fitting used to join unthreaded rigid or IMC conduit to box or enclosure. Concrete-tight.

 File No. E9391: 3500-US thru 3505-US; 3500 thru 3505

 File No. E24001: 236 thru 239; 236-I thru 239-I

*Note: UL listing not applicable to 5" & 6" Malleable Iron.

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3500	1/2"	50	200
3501	3/4"	25	250
3502	1"	25	100
3503	1 1/4"	20	120
3504	1 1/2"	10	60
3505	2"	5	30
3510	5"	1	5
3511	6"	1	5

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
30-DC2	1/2"	50	500
31-DC2	3/4"	25	250
32-DC2	1"	25	250
236-DC2	2 1/2"	---	12
237-DC2	3"	---	12
238-DC2	3 1/2"	---	6
239-DC2	4"	---	6

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
236-DCI2	2 1/2"	---	12
237-DCI2	3"	---	12
238-DCI2	3 1/2"	---	6
239-DCI2	4"	---	6

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
236	2 1/2"	2	10
237	3"	2	10
238	3 1/2"	---	6
239	4"	---	6

Steel (Made in the USA!)

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3500-US	1/2"	50	500
3501-US	3/4"	25	250
3502-US	1"	25	250
3503-US	1 1/4"	20	120
3504-US	1 1/2"	10	60
3505-US	2"	5	30

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
236-I	2 1/2"	2	10
237-I	3"	2	10
238-I	3 1/2"	---	6
239-I	4"	---	6

Malleable Iron / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3510-I	5"	1	5
3511-I	6"	1	5

Set Screw Couplings



Zinc
1/2" thru 1"

Zinc
2 1/2" thru 4"

1/2" thru 2"
Malleable

Malleable
5" & 6"





Steel
1/2" thru 1 1/2"


Steel
2"


Steel
2 1/2" thru 4"

Set screw type fitting used to join two unthreaded lengths of rigid or IMC conduit. Concrete-tight. 2 1/2" thru 6" furnished with four set screws.

 File No. E24001*: 246 thru 249;
246-DC thru 249-DC

 File No. E9391: 3600-US thru 3605-US;
3600 thru 3605

 File No. LR39354: 246-DC thru 249-DC

*Note: 2 1/2" thru 4" zinc die cast is  listed for rigid steel or aluminum EMT conduit.

*Note: UL listing not applicable to 5" & 6" Malleable Iron.

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
40-DC	1/2"	50	500
41-DC	3/4"	25	250
42-DC	1"	25	250
246-DC	2 1/2"	---	12
247-DC	3"	---	12
248-DC	3 1/2"	---	6
249-DC	4"	---	6

Steel (Made in the USA!)

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3600-US	1/2"	50	500
3601-US	3/4"	25	250
3602-US	1"	50	200
3603-US	1 1/4"	15	90
3604-US	1 1/2"	10	60
3605-US	2"	5	30

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
246	2 1/2"	2	10
247	3"	2	10
248	3 1/2"	---	6
249	4"	---	6

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3600	1/2"	30	120
3601	3/4"	25	100
3602	1"	25	100
3603	1 1/4"	15	90
3604	1 1/2"	10	60
3605	2"	5	30
3610	5"	1	5
3611	6"	1	5

Pull Elbows



Used for connecting threaded rigid or IMC to box or enclosure. Removable aluminum cover and neoprene gasket facilitate wire pulling.

 File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
71-DC2	1/2"	10	100
72-DC2	3/4"	5	50

Pull Elbows



Used for connecting threaded rigid or EMT to box or enclosure. Removable aluminum cover and neoprene gasket facilitate wire pulling.

 File No. E9391

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
71-DCA	1/2"	10	100
72-DCA	3/4"	5	50

Pull Elbows



Used for connecting threaded rigid or IMC to form 90° bend. Removable aluminum cover and neoprene gasket facilitate wire pulling.

 File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
81-DC	1/2"	10	100
82-DC	3/4"	5	50
83-DC	1"	5	25
84-DC	1 1/4"	5	20

Pull Elbows



Used for connecting threaded rigid to rigid or EMT to EMT to form 90° bend. Removable aluminum cover and neoprene gasket facilitate wire pulling. Raintight when used with Rigid Conduit.

 File No. E9391

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
81-DCA	1/2"	10	100
82-DCA	3/4"	5	50
83-DCA	1"	5	25
84-DCA	1 1/4"	5	20

Locknuts





Steel



Zinc

Used to fasten threaded conduit to opening in a box or enclosure.

 File No. E9391: 101-S thru 112-S;
101-DC thru 106-DC

 File No. LR39354: 101-S thru 112-S

Zinc Plated Steel - Conduit Locknut

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
100	3/8"	200	2000
101-S	1/2"	100	1000
102-S	3/4"	100	1000
103-S	1"	100	500
104-S	1 1/4"	---	100
105-S	1 1/2"	---	100
106-S	2"	---	50
107-S	2 1/2"	---	25
108-S	3"	---	25
109-S	3 1/2"	---	25
110-S	4"	---	25
111-S	5"	---	5
112-S	6"	---	5

Zinc Die Cast - Fitting Locknut

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
101-DC	1/2"	100	1000
102-DC	3/4"	100	1000
103-DC	1"	100	500
104-DC	1 1/4"	---	100
105-DC	1 1/2"	---	100
106-DC	2"	---	50
107-DC	2 1/2"	---	25
108-DC	3"	---	25
109-DC	3 1/2"	---	25
110-DC	4"	---	25

Bonding Locknuts



Used in harsh vibration environments to fasten threaded conduit to unthreaded opening in a box or enclosure.

 File No. E20412: 121-S thru 130-S

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
121-S	1/2"	50	200
122-S	3/4"	25	100
123-S	1"	25	100
124-S	1 1/4"	10	50
125-S	1 1/2"	10	50
126-S	2"	10	50
127-S	2 1/2"	5	25
128-S	3"	5	25
129-S	3 1/2"	---	5
130-S	4"	---	5
131-S	5"	---	5
132-S	6"	---	5

Sealing Locknuts



Used to provide raintight seal when fastening threaded conduit to unthreaded opening in a box or enclosure.

 File No. E191572: 141 thru 146


Steel / PVC Seal


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
141	1/2"	50	200
142	3/4"	25	100
143	1"	25	100
144	1 1/4"	25	100
145	1 1/2"	25	100
146	2"	25	100
147	2 1/2"	5	25
148	3"	5	25
149	3 1/2"	5	25
150	4"	5	25

Threaded Hubs



To secure threaded rigid service entrance conduit to box or enclosure. Insulated throat rated 105°C. BUNA-N sealing ring completely encircles knockout to prevent contaminants from entering enclosure.

 File No. E9391: Type 4 - Water Tight

 File No. LR39354

*Note: UL listing not applicable to 5" & 6" Malleable Iron.

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
151-DC	1/2"	25	100
152-DC	3/4"	25	100
153-DC	1"	10	50
154-DC	1 1/4"	5	25
155-DC	1 1/2"	2	20
156-DC	2"	2	20
157-DC	2 1/2"	---	10
158-DC	3"	---	5
159-DC	3 1/2"	1	5
160-DC	4"	1	5


Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3161	5"	---	2
3162	6"	---	2

Lock - A - Liners



Used for converting ordinary bushings and connectors to code approved insulating bushings and connectors without disturbing wiring.

 File No. E11259

Polypropylene - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
191	1/2"	25	100
192	3/4"	25	100
193	1"	25	100
194	1 1/4"	10	40
195	1 1/2"	10	40
196	2"	10	40

Compression Connectors



Zinc

Steel

Malleable

Compression type connector used to join unthreaded steel rigid conduit to box or enclosure. 2 1/2" and larger zinc die cast also suitable for steel and aluminum rigid and EMT conduit.



File No. E9391

Steel (Made in the USA!)

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3000-US	1/2"	25	100
3001-US	3/4"	25	100
3002-US	1"	5	25
3003-US	1 1/4"	5	25
3004-US	1 1/2"	2	10
3005-US	2"	1	5

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
256-DC2	2 1/2"	---	12
257-DC2	3"	---	12
258-DC2	3 1/2"	---	6
259-DC2	4"	---	6

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
256-DCI2	2 1/2"	---	12
257-DCI2	3"	---	12
258-DCI2	3 1/2"	---	6
259-DCI2	4"	---	6

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3000	1/2"	25	100
3001	3/4"	25	100
3002	1"	5	25
3003	1 1/4"	5	25
3004	1 1/2"	2	10
3005	2"	1	5
3006	2 1/2"	2	10
3007	3"	2	10
3008	3 1/2"	---	6
3009	4"	---	6

Compression Couplings



Zinc

Steel

Malleable

Compression type coupling used to join two lengths of unthreaded steel rigid conduit. 2 1/2" and larger zinc die cast also suitable for steel and aluminum rigid and EMT conduit.



File No. E9391

Steel (Made in the USA!)

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3100-US	1/2"	25	100
3101-US	3/4"	25	100
3102-US	1"	5	25
3103-US	1 1/4"	5	25
3104-US	1 1/2"	2	10
3105-US	2"	---	5

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
266-DC	2 1/2"	---	12
267-DC	3"	---	12
268-DC	3 1/2"	---	6
269-DC	4"	---	6

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
3100	1/2"	25	100
3101	3/4"	25	100
3102	1"	5	25
3103	1 1/4"	5	25
3104	1 1/2"	2	10
3105	2"	1	5
3106	2 1/2"	2	10
3107	3"	2	10
3108	3 1/2"	---	6
3109	4"	---	6

Combination Couplings



Zinc

Steel

Set screw type fitting used to join EMT to rigid or IMC. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E9391: 290-S thru 292-S

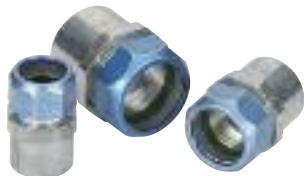
Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
290-DC	1/2"	50	200
291-DC	3/4"	25	100
292-DC	1"	25	100

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
290-S	1/2"	25	100
291-S	3/4"	25	100
292-S	1"	10	50

Mighty-Merge® Raintight Combination Couplings



Couplings used to transition EMT to rigid for a secure raintight/wet location seal. Patented.

 Listed


Zinc Die Cast

Catalog Number	EMT Trade Size	Rigid Trade Size	Unit Qty.	Std. Pkg.
290-RT	1/2"	1/2"	25	100
291-RT	3/4"	3/4"	25	100
292-RT	1"	1"	10	50

Combination Couplings



Used to join rigid or IMC to EMT. Coupling internally threaded for rigid / IMC. Compression type for EMT. Concrete-tight.

 File No. E9391: 292-MS

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
290-MS	1/2"	25	100
291-MS	3/4"	25	100
292-MS	1"	10	50

Combination Couplings



Used to join rigid or IMC to liquid tight flexible metal conduit.

 File No. E9391

Pull Caps





Used for capping EMT, rigid and most bushings.


Bushings



Used with locknut to protect conductors inside threaded rigid or IMC conduit entering a box. Rounded surface of bushing prevents damage to wire insulation.

 File No. E9391: 321 thru 332

 File No. E11259: 321-B thru 330-B

 File No. LR39354

Malleable Iron

Catalog Number	LT Trade Size	Rigid Trade Size	Unit Qty.	Std. Pkg.
4369-LT	3/8"	1/2"	25	125
4370-LT	1/2"	1/2"	20	100
4371-LT	3/4"	3/4"	10	50
4372-LT	1"	1"	5	25
4373-LT	1 1/4"	1 1/4"	4	20
4374-LT	1 1/2"	1 1/2"	3	15
4375-LT	2"	2"	2	10

Polyethylene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
341	1/2"	100	1000
342	3/4"	100	1000
343	1"	100	1000
344	1 1/4"	50	250
345	1 1/2"	25	100
346	2"	25	100

Plastic - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
321	1/2"	100	1000
322	3/4"	100	1000
323	1"	50	500
324	1 1/4"	---	100
325	1 1/2"	---	100
326	2"	---	50
327	2 1/2"	---	25
328	3"	---	25
329	3 1/2"	---	25
330	4"	---	20
331	5"	---	5
332	6"	---	5


Plastic - 150°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
321-B	1/2"	100	1000
322-B	3/4"	100	1000
323-B	1"	50	500
324-B	1 1/4"	---	100
325-B	1 1/2"	---	100
326-B	2"	---	50
327-B	2 1/2"	---	25
328-B	3"	---	25
329-B	3 1/2"	---	25
330-B	4"	---	20

Insulated Bushings



Used with locknut to protect conductors inside threaded rigid or IMC conduit entering a box. Plastic liner prevents damage to wire insulation. All products rated 150°C except catalog numbers 371 and 372 which are rated 105°C.

 File No. E9391

Malleable Iron / Plastic Metaliner

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
361	1/2"	100	1000
362	3/4"	100	1000
363	1"	50	500
364	1 1/4"	10	100
365	1 1/2"	10	100
366	2"	10	100
367	2 1/2"	2	10
368	3"	2	10
369	3 1/2"	---	5
370	4"	---	5
371	5"	---	5
372	6"	---	5

Zinc Die Cast / Plastic Metaliner

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
361-DC	1/2"	100	1000
362-DC	3/4"	100	1000
363-DC	1"	50	500
364-DC	1 1/4"	10	100
365-DC	1 1/2"	10	100
366-DC	2"	10	100
367-DC	2 1/2"	2	10
368-DC	3"	2	10
369-DC	3 1/2"	---	5
370-DC	4"	---	5

Insulated Grounding Bushings



Used with locknut to terminate service conduit to cabinet. Aluminum alloy lug provided for bonding jumper to neutral busbar. Plastic liner prevents damage to wire insulation.

 File No. E20412

Malleable Iron / Plastic Metaliner - 150°C

Catalog Number	Grounding Lug Wire Capacity		Trade Size	Unit Qty.	Std. Pkg. Qty.
	Min. Solid	Max. Strand			
381	#14	- #4	1/2"	50	500
382	#14	- #4	3/4"	50	500
383	#14	- #4	1"	25	250
384	#14	- #1/0	1 1/4"	20	200
384-14	#14	- #4	1 1/4"	20	200
385	#14	- #1/0	1 1/2"	20	200
385-14	#14	- #4	1 1/2"	20	200
386	#14	- #1/0	2"	10	100
386-14	#14	- #4	2"	10	100
387	#14	- #1/0	2 1/2"	---	25
387-40	#6	- #250 MCM	2 1/2"	---	25
388	#14	- #1/0	3"	---	25
388-40	#6	- #250 MCM	3"	---	25
389	#14	- #1/0	3 1/2"	---	25
389-40	#6	- #250 MCM	3 1/2"	---	25
390	#14	- #1/0	4"	---	20
390-40	#6	- #250 MCM	4"	---	20
391	#6	- #250 MCM	5"	---	5
392	#6	- #250 MCM	6"	---	5

Insulated Grounding Bushings



Used with locknut to terminate service conduit to cabinet. Aluminum alloy lug provided for bonding jumper to neutral busbar. Plastic liner prevents damage to wire insulation.

 File No. E20412

Zinc Die Cast / Plastic Metaliner - 150°C

Catalog Number	Grounding Lug Wire Capacity		Trade Size	Unit Qty.	Std. Pkg. Qty.
	Min. Solid	Max. Strand			
381-DC	#14	- #4	1/2"	50	500
382-DC	#14	- #4	3/4"	50	500
383-DC	#14	- #4	1"	25	250
384-DC	#14	- #1/0	1 1/4"	20	200
384-DC14	#14	- #4	1 1/4"	20	200
385-DC	#14	- #1/0	1 1/2"	20	200
385-DC14	#14	- #4	1 1/2"	20	200
386-DC	#14	- #1/0	2"	10	100
386-DC14	#14	- #4	2"	10	100
387-DC	#14	- #1/0	2 1/2"	---	25
387-DC40	#6	- #250 MCM	2 1/2"	---	25
388-DC	#14	- #1/0	3"	---	25
388-DC40	#6	- #250 MCM	3"	---	25
389-DC	#14	- #1/0	3 1/2"	---	25
389-DC40	#6	- #250 MCM	3 1/2"	---	25
390-DC	#14	- #1/0	4"	---	20
390-DC40	#6	- #250 MCM	4"	---	20

Mighty-Rite® Split Grounding Bushings



Forgot to install a grounding bushing on a feed through pull box? No worries, the simple fix Mighty-Rite® has you covered. Patented.

 File No. E20412

Zinc Die Cast / Copper Lug

Catalog Number	Grounding Lug Wire Capacity		Trade Size	Unit Qty.	Std. Pkg. Qty.
	Min. Solid Strand	Max.			
SGB-382CL*	#14 - #4		3/4"	50	500
SGB-383CL*	#14 - #4		1"	25	250
SGB-384CL*	#14 - #4		1 1/4"	20	200
SGB-385CL*	#4 - #1/0		1 1/2"	20	200
SGB-386CL	#4 - #1/0		2"	10	100
SGB-387CL	#4 - #1/0		2 1/2"	---	25
SGB-388CL	#6 - 250 MCM		3"	---	25
SGB-389CL	#6 - 250 MCM		3 1/2"	---	25
SGB-390CL	#6 - 250 MCM		4"	---	20

*Consult factory for availability.

Bushing Pennies



Used inside bushing to prevent foreign matter from entering conduit.

Galvanized Steel


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1661	1/2"	500	1000
1662	3/4"	250	500
1663	1"	100	200
1664	1 1/4"	50	100
1665	1 1/2"	50	100
1666	2"	50	100
1667	2 1/2"	50	100
1668	3"	50	100
1669	3 1/2"	25	100
1670	4"	25	100
1671	5"	25	100

One Hole Pipe Straps



Malleable/Aluminum

To support rigid conduit and IMC to mounting surface.

 File No. E161206: 901 thru 913

 File No. LR39354: 900 thru 912

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
900	3/8"	100	1000
901	1/2"	100	1000
902	3/4"	---	100
903	1"	---	100
904	1 1/4"	---	50
905	1 1/2"	---	50
906	2"	---	25
907	2 1/2"	---	25
908	3"	---	10
909	3 1/2"	---	10
910	4"	---	10
912	5"	---	5
913	6"	---	5

Aluminum


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
901-AL	1/2"	100	1000
902-AL	3/4"	---	100
903-AL	1"	---	100
904-AL	1 1/4"	---	50
905-AL	1 1/2"	---	50
906-AL	2"	---	25


One Hole Pipe Straps



Steel

To support rigid conduit and IMC to mounting surface.

 File No. E161206: 904-S thru 908-S and 910-S

 File No. LR39354

Zinc Plated Steel


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
901-S	1/2"	50	500
902-S	3/4"	50	500
903-S	1"	50	200
904-S	1 1/4"	25	100
905-S	1 1/2"	25	100
906-S	2"	---	25
907-S	2 1/2"	---	25
908-S	3"	---	25
909-S	3 1/2"	---	10
910-S	4"	---	10

Two Hole Pipe Straps



Used to secure rigid conduit or IMC.

 File No. E161206: 1907 thru 1910

 File No. LR39354

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1901	1/2"	250	2500
1902	3/4"	150	1500
1903	1"	100	1000
1904	1 1/4"	50	500
1905	1 1/2"	50	500
1906	2"	25	250
1907	2 1/2"	25	100
1908	3"	20	80
1909	3 1/2"	15	60
1910	4"	10	40

Rigid Nail Straps



Used to secure rigid conduit and IMC to wood.


Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
901-NS	1/2"	100	1000
902-NS	3/4"	100	1000
903-NS	1"	100	1000

Clamp Backs



Provides space between conduit and mounting surface, for use with malleable or aluminum straps.

 File No. E161206: 941 thru 946;
9951 thru 9952

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
941	1/2"	50	250
942	3/4"	50	250
943	1"	25	100
944	1 1/4"	20	100
945	1 1/2"	10	100
946	2"	5	50
947	2 1/2"	2	10
948	3"	2	10
949	3 1/2"	---	5
950	4"	---	5
9951	5"	---	5
9952	6"	---	5

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
941-AL	1/2"	50	250
942-AL	3/4"	50	250
943-AL	1"	25	100
944-AL	1 1/4"	20	100
945-AL	1 1/2"	10	100
946-AL	2"	5	50

Reducing Washers



To be used in pairs to reduce the size of knockout holes.

 File No. E11259: 1061 thru 1088

 File No. LR39354: 1061 thru 1088

Galvanized Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1061	3/4" - 1/2"	250	1000
1062	1" - 1/2"	250	1000
1063	1" - 3/4"	250	1000
1064	1 1/4" - 1/2"	100	500
1065	1 1/4" - 3/4"	100	500
1066	1 1/4" - 1"	100	500
1067	1 1/2" - 1/2"	100	200
1068	1 1/2" - 3/4"	100	200
1069	1 1/2" - 1"	100	200
1070	1 1/2" - 1 1/4"	100	200
1071	2" - 1/2"	50	100
1072	2" - 3/4"	50	100
1073	2" - 1"	50	100
1074	2" - 1 1/4"	50	100
1075	2" - 1 1/2"	50	100
1076	2 1/2" - 1/2"	50	100
1077	2 1/2" - 3/4"	50	100
1078	2 1/2" - 1"	50	100
1079	2 1/2" - 1 1/4"	50	100
1080	2 1/2" - 1 1/2"	50	100
1081	2 1/2" - 2"	50	100
1082	3" - 1/2"	---	25
1083	3" - 3/4"	---	25
1084	3" - 1"	---	25
1085	3" - 1 1/4"	---	25
1086	3" - 1 1/2"	---	25
1087	3" - 2"	---	25
1088	3" - 2 1/2"	---	25
1089-1	3 1/2" - 1/2"	---	10
1089-2	3 1/2" - 3/4"	---	10
1089-3	3 1/2" - 1"	---	10
1089-4	3 1/2" - 1 1/4"	---	10
1089-5	3 1/2" - 1 1/2"	---	10
1089-6	3 1/2" - 2"	---	10
1089-7	3 1/2" - 2 1/2"	---	10
1089-8	3 1/2" - 3"	---	10
1090-1	4" - 1/2"	---	10
1090-2	4" - 3/4"	---	10
1090-3	4" - 1"	---	10
1090-4	4" - 1 1/4"	---	10
1090-5	4" - 1 1/2"	---	10
1090-6	4" - 2"	---	10
1090-7	4" - 2 1/2"	---	10
1090-8	4" - 3"	---	10
1090-9	4" - 3 1/2"	---	10

Mighty-Seal® Raintight Reducing Sealing Washers



Used when a concentric knockout breaks out larger than expected. Maintains NEMA 3R rating on listed enclosures. Includes one coated and one uncoated washer. Coated washer installs on the exterior of the box. Sunlight resistant. Patent Pending.

File No. E11259

Coated Galvanized Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1061-RT	3/4" - 1/2"	20	200
1062-RT	1" - 1/2"	20	200
1063-RT	1" - 3/4"	20	200
1065-RT	1 1/4" - 3/4"	20	200
1071-RT	2" - 1/2"	10	100

Conduit Nipples



When used with locknut, conduit nipples serve as a short raceway between enclosures.

File No. E9391

File No. LR39354

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1102	1/2"	100	1000
1103	3/4"	50	500
1104	1"	25	250
1105	1 1/4"	10	100
1106	1 1/2"	10	100
1107	2"	5	25
1108	2 1/2"	2	10
1109	3"	2	10
1110	3 1/2"	---	5
1111	4"	---	5
1112	5"	---	5
1113	6"	---	5

Malleable Iron / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1102-I	1/2"	100	1000
1103-I	3/4"	50	500
1104-I	1"	25	250
1105-I	1 1/4"	10	100
1106-I	1 1/2"	10	100
1107-I	2"	5	25
1108-I	2 1/2"	2	10
1109-I	3"	2	10
1110-I	3 1/2"	---	5
1111-I	4"	---	5

Conduit Nipples



When used with a locknut, conduit nipples serve as a short raceway between enclosures.

 File No. E9391

1" Length Zinc Die Cast Conduit Nipples

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1791-DC	1/2"	100	1000
1792-DC	3/4"	50	500
1793-DC	1"	25	250

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1102-DC	1/2"	100	1000
1103-DC	3/4"	50	500
1104-DC	1"	25	250
1105-DC	1 1/4"	10	100
1106-DC	1 1/2"	10	100
1107-DC	2"	5	50
1108-DC	2 1/2"	---	25
1109-DC	3"	---	10
1110-DC	3 1/2"	---	10
1111-DC	4"	---	10


Zinc Die Cast / Insulated Throat - 105°C


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1102-DCI	1/2"	100	1000
1103-DCI	3/4"	50	500
1104-DCI	1"	25	250
1105-DCI	1 1/4"	10	100
1106-DCI	1 1/2"	10	100
1107-DCI	2"	5	50
1108-DCI	2 1/2"	---	25
1109-DCI	3"	---	10
1110-DCI	3 1/2"	---	10
1111-DCI	4"	---	10

Three-Piece Conduit Couplings



Used to join two lengths of threaded rigid and IMC conduit.

 File No. E9391: 1121 thru 1130 & 1121-AL thru 1130-AL

 File No. LR39354: 1121 thru 1132

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1121	1/2"	25	100
1122	3/4"	10	100
1123	1"	5	50
1124	1 1/4"	---	25
1125	1 1/2"	---	20
1126	2"	---	10
1127	2 1/2"	---	5
1128	3"	---	5
1129	3 1/2"	---	4
1130	4"	---	5
1131	5"	---	2
1132	6"	---	1

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1121-AL	1/2"	25	100
1122-AL	3/4"	10	100
1123-AL	1"	5	50
1124-AL	1 1/4"	5	25
1125-AL	1 1/2"	5	20
1126-AL	2"	2	10
1127-AL	2 1/2"	1	5
1128-AL	3"	1	5
1129-AL	3 1/2"	1	5
1130-AL	4"	1	5

Mighty-Align® Self-Aligning, Raintight, Three-Piece Conduit Couplings



Used to join two lengths of threaded rigid and IMC conduit. Patented.

 File No. E9391

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1121-RT	1/2"	25	100
1122-RT	3/4"	10	100
1123-RT	1"	5	50
1124-RT	1 1/4"	---	25
1125-RT	1 1/2"	---	20
1126-RT	2"	---	10
1127-RT	2 1/2"	---	5
1128-RT	3"	---	5
1129-RT	3 1/2"	---	4
1130-RT	4"	---	5

Reducing Bushings



Used to reduce the size of internal female threads.

 File No. LR39354: Steel

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1160	1/2" - 3/8"	100	500
1161	3/4" - 1/2"	100	500
1162	1" - 1/2"	50	250
1163	1" - 3/4"	50	250
1164	1 1/4" - 1/2"	20	100
1165	1 1/4" - 3/4"	20	100
1166	1 1/4" - 1"	25	100
1167	1 1/2" - 1/2"	10	50
1168	1 1/2" - 3/4"	10	50
1169	1 1/2" - 1"	10	50
1170	1 1/2" - 1 1/4"	10	50
1171	2" - 1/2"	10	50
1172	2" - 3/4"	10	50
1173	2" - 1"	10	50
1174	2" - 1 1/4"	10	50
1175	2" - 1 1/2"	10	50

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1176	2 1/2" - 2"	---	5
1179	3" - 2 1/2"	---	5
1182	3 1/2" - 3"	---	5
1185	4" - 3 1/2"	---	5

Offset Nipples



Used to offset the axis of raceway 3/4" between enclosure runs.

 File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1520-DC	1/2"	20	200
1521-DC	3/4"	10	100
1522-DC	1"	5	50
1523-DC	1 1/4"	10	40
1524-DC	1 1/2"	10	40
1525-DC	2"	5	30

Cast Zinc

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1526-DC	2 1/2"	2	10
1527-DC	3"	2	10

Mighty-Seal® Conduit Sealing Bushings



Bridgeport Fittings' Conduit Sealing Bushing (CSB & CSBF) product line is designed for sealing concrete penetrations around rigid conduit installations in building foundations, ceilings, and walls against the intrusion of water.

This product line contains two designs: CSB & CSBF. The CSBF versions are assembled with larger diameter face plates. When installed, the face plate is designed to sit above the surface of the concrete. The standard CSB model is constructed with face and back plates of the same diameter and includes two stainless steel tabs which come pre-installed. The tabs are intended to keep the CSB level with the surface of the concrete during the installation process. The stainless steel tabs can be removed and grounding lugs can be installed using the 1/4-20 tapped hole provided in order to meet grounding and bonding requirements. Factory Certified.

Stainless Steel and Neoprene Rubber Insert

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
CSB-200	2"	1	5
CSB-200F	2"	1	5
CSB-250	2 1/2"	1	5
CSB-250F	2 1/2"	1	5
CSB-300	3"	1	5
CSB-300F	3"	1	5
CSB-350	3 1/2"	1	5
CSB-350F	3 1/2"	1	5
CSB-400	4"	1	5
CSB-400F	4"	1	5

Concrete Slab Elbows



Concrete slab elbows for use in minimum 6" concrete poured or pre-fabricated slabs.

File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
CSE-075	3/4"	---	5
CSE-100	1"	---	5

Split Rigid Couplings



Split couplings used to join two lengths of threaded rigid and IMC conduit.

File No. E9391


Zinc Plated Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SRC-050	1/2"	25	100
SRC-075	3/4"	10	100
SRC-100	1"	5	50
SRC-125	1 1/4"	---	25
SRC-150	1 1/2"	---	20
SRC-200	2"	---	10
SRC-250	2 1/2"	---	5
SRC-300	3"	---	5
SRC-350	3 1/2"	---	4
SRC-400	4"	---	5
SRC-500	5"	---	2
SRC-600	6"	---	1

Red® Fire Alarm Connectors



Set screw connector used to join EMT to box or enclosure. Color coded red to match EMT for easy identification. Use with red EMT for emergency circuits, fire alarm and security system applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E24001
Patented.


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-SR	1/2"	50	500
231-SR	3/4"	25	250
232-SR	1"	25	250
233-SR	1 1/4"	20	120
234-SR	1 1/2"	10	60
235-SR	2"	5	30
236-SR	2 1/2"	2	10
237-SR	3"	2	10

Red® Fire Alarm Couplings



Set screw coupling used to join two lengths of EMT. Color coded red to match EMT for easy identification. Use with red EMT for emergency circuits, fire alarm and security system applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E24001
Patented.


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
240-SR	1/2"	50	500
241-SR	3/4"	25	250
242-SR	1"	20	200
243-SR	1 1/4"	15	90
244-SR	1 1/2"	10	60
245-SR	2"	5	30
246-SR	2 1/2"	2	10
247-SR	3"	2	10

Red Fire Alarm Boxes



New red steel fire alarm boxes to meet visual identification requirements for fire alarm installations. Available in a variety of sizes to accommodate both old and new work requirements. Provides positive visual identification and can withstand the harshest environmental conditions.

 File No. E11077
Patented.

Steel

Catalog Number	Description	Mounting Bracket	Each Side Conduit	Each End Conduit	Bottom Conduit	Cu In. Capacity	Unit Qty.	Std Pkg Qty.
FA-400	1 1/2" deep drawn box 4-square	No	(2) 1/2" (1) 3/4"	(2) 1/2" (1) 3/4"	(3) 1/2" (2) 3/4"	21.0	---	50
FA-401	2 1/8" deep welded box 4-square	No	(2) 1/2" (1) 1/2" & 3/4"	(2) 1/2" (1) 1/2" & 3/4"	(3) 1/2" (2) 1/2" & 3/4"	30.3	---	50
FA-402	2 1/8" deep welded box 4-square	CV	(2) 1/2" (1) 1/2" & 3/4"	(2) 1/2" (1) 1/2" & 3/4"	(3) 1/2" (2) 1/2" & 3/4"	30.3	---	50
FA-403	Flat 4-square cover	No	N/A	N/A	N/A	N/A	---	50
FA-404	2 1/8" deep welded 4-square extension ring	No No	(2) 1/2" (1) 1/2" & 3/4"	(2) 1/2" (1) 1/2" & 3/4"	N/A	30.3	---	50
FA-411	2 1/8" deep welded box 4 11/16" square	No	(3) 1/2" & 3/4"	(3) 1/2" & 3/4"	(3) 1/2" (2) 1/2" & 3/4"	42.0	---	50

Pull Elbows



Used to connect EMT to box or enclosure. Removable aluminum cover to facilitate wire pulling.

 File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
51-DC2	1/2"	10	100
52-DC2	3/4"	5	50

Pull Elbows



Used to connect two lengths of EMT to form a 90° bend. Removable aluminum cover to facilitate wire pulling.

 File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
61-DC	1/2"	10	100
62-DC	3/4"	5	50
63-DC	1"	5	25
64-DC	1 1/4"	5	20

Corner Elbows



Used to connect two lengths of EMT to form a 90° bend.

 File No. E9391


Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
CE-50	1/2"	10	100
CE-75	3/4"	5	50

Pull Elbows



Used for connecting threaded rigid or EMT to box or enclosure. Removable aluminum cover and neoprene gasket facilitate wire pulling.

 File No. E9391


Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
71-DCA	1/2"	10	100
72-DCA	3/4"	5	50

Pull Elbows



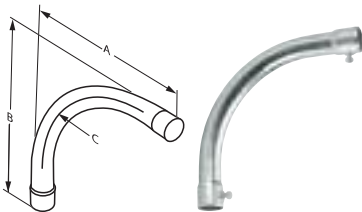
Used for connecting threaded rigid to rigid or EMT to EMT to form 90° bend. Removable aluminum cover and neoprene gasket facilitate wire pulling.

 File No. E9391

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
81-DCA	1/2"	10	100
82-DCA	3/4"	5	50
83-DCA	1"	5	25
84-DCA	1 1/4"	5	20

90° Set Screw Coupling Elbows



Eliminates the need to bend conduit, reducing time and installation costs. Tri-drive screw. Concrete-tight when taped.

 File No. E24001

Zinc Plated Steel


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
TWE-125	1 1/4"	---	5
TWE-150	1 1/2"	---	5
TWE-200	2"	---	2
TWE-250	2 1/2"	---	1
TWE-300	3"	---	1
TWE-350	3 1/2"	---	1
TWE-400	4"	---	1

Catalog Number	Dim A	Dim B	Dim C
TWE-125	11 1/4"	11 1/4"	7 3/4"
TWE-150	12"	12"	9 1/4"
TWE-200	14 1/4"	14 1/4"	10 3/8"
TWE-250	18 1/2"	18 1/2"	11 1/4"
TWE-300	21"	21"	13 1/4"
TWE-350	24 1/2"	24 1/2"	15 3/4"
TWE-400	25 1/4"	25 1/4"	17"

Low Profile Compression Connectors



Compression type connector used to join EMT to box or enclosure. Concrete-tight.

 File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
225-DC	1/2"	50	500
226-DC	3/4"	50	500

Set Screw Connectors



1/2" thru 2"



2 1/2" thru 4"

Set screw type fitting used to join EMT to box or enclosure. Concrete-tight. 1/2" thru 2" furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230	1/2"	50	500
231	3/4"	25	250
232	1"	25	250
233	1 1/4"	20	120
234	1 1/2"	10	60
235	2"	5	30
236	2 1/2"	2	10
237	3"	2	10
238	3 1/2"	---	6
239	4"	---	6

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-I	1/2"	50	500
231-I	3/4"	25	250
232-I	1"	25	250
233-I	1 1/4"	20	120
234-I	1 1/2"	10	60
235-I	2"	5	30
236-I	2 1/2"	2	10
237-I	3"	2	10
238-I	3 1/2"	---	6
239-I	4"	---	6

Made in the USA

Steel Set Screw Connectors




1/2" thru 2"



2 1/2" thru 4"

Set screw type fitting used to join EMT to box or enclosure. Concrete-tight.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-US	1/2"	50	500
231-US	3/4"	25	250
232-US	1"	25	250
233-US	1 1/4"	20	120
234-US	1 1/2"	10	60
235-US	2"	5	30
236-US	2 1/2"	2	10
237-US	3"	2	10
238-US	3 1/2"	---	6
239-US	4"	---	6

Steel/Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-USI	1/2"	50	500
231-USI	3/4"	25	250
232-USI	1"	25	250
233-USI	1 1/4"	20	120
234-USI	1 1/2"	10	60
235-USI	2"	5	30
236-USI	2 1/2"	2	10
237-USI	3"	2	10
238-USI	3 1/2"	---	6
239-USI	4"	---	6

Set Screw Couplings



1/2" thru 2"



2 1/2" thru 4"

Set screw type coupling used to join two lengths of EMT. Concrete-tight. 1/2" thru 2" furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
240	1/2"	50	500
241	3/4"	25	250
242	1"	20	200
243	1 1/4"	15	90
244	1 1/2"	10	60
245	2"	5	30
246	2 1/2"	2	10
247	3"	2	10
248	3 1/2"	---	6
249	4"	---	6

Made in the USA

Steel Set Screw Couplings




1/2" thru 2"



2 1/2" thru 4"

Set screw type fitting used to join two lengths of EMT. Concrete-tight.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
240-US	1/2"	50	500
241-US	3/4"	25	250
242-US	1"	50	200
243-US	1 1/4"	15	90
244-US	1 1/2"	10	60
245-US	2"	5	30
246-US	2 1/2"	2	10
247-US	3"	2	10
248-US	3 1/2"	---	6
249-US	4"	---	6

Set Screw Couplings



Zinc
1/2" thru 1"




Zinc
1 1/4" thru 2"




Zinc
2 1/2" thru 4"

Set screw type coupling used to join two lengths of EMT. Concrete-tight. 1/2" thru 2" furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E24001

2" thru 4" UL listed for both steel and aluminum EMT.

 File No. LR39354

Zinc Die Cast


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
240-DC	1/2"	50	500
241-DC	3/4"	25	250
242-DC	1"	25	250
243-DC	1 1/4"	10	100
244-DC	1 1/2"	10	100
245-DC	2"	10	60
246-DC	2 1/2"	---	12
247-DC	3"	---	12
248-DC	3 1/2"	---	6
249-DC	4"	---	6


Set Screw Connectors



1/2" thru 1" 1 1/4" thru 2" 2 1/2" thru 4"

Set screw connector used to join EMT to box or enclosure. 2" thru 4" die cast UL listed for both steel and aluminum EMT. Concrete-tight. 1/2" thru 2" furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E24001

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-DC2	1/2"	50	500
231-DC2	3/4"	25	250
232-DC2	1"	25	250
233-DC2	1 1/4"	10	100
234-DC2	1 1/2"	10	100
235-DC2	2"	10	60
236-DC2	2 1/2"	---	12
237-DC2	3"	---	12
238-DC2	3 1/2"	---	6
239-DC2	4"	---	6

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-DCI2	1/2"	50	500
231-DCI2	3/4"	25	250
232-DCI2	1"	25	250
233-DCI2	1 1/4"	10	100
234-DCI2	1 1/2"	10	100
235-DCI2	2"	10	60
236-DCI2	2 1/2"	---	12
237-DCI2	3"	---	12
238-DCI2	3 1/2"	---	6
239-DCI2	4"	---	6

Mighty-Align® EMT Slip Couplings



Used to join two lengths of EMT in tight or limited access applications. Back out center screw, slide coupling over one end of conduit then slide other conduit into place. Fully install center screw between conduits and tighten set screws.

 File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
241-DCSLP	3/4"	25	250
242-DCSLP	1"	25	250

Quick Install EMT Connectors



Quickly joins EMT to box or enclosure without the use of a locknut. Simply:

- Insert fitting into the knockout
- Insert EMT into the fitting
- Tighten the set screw to simultaneously secure the EMT and the fitting into the knockout

 File No. E24001

Zinc Die Cast


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1701-DC	1/2"	50	500
1702-DC	3/4"	25	250



Black Set Screw Connectors



Set screw connector used to join EMT to box or enclosure. Color coded black to match EMT for easy identification. Use with black EMT in dark colored areas or in open architecture applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
231-SBLK	3/4"	25	250

Blue Set Screw Connectors



Set screw connector used to join EMT to box or enclosure. Color coded blue to match EMT for easy identification. Use with blue EMT for low voltage wiring, data comm/video and network security applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-SBLU	1/2"	50	500
231-SBLU	3/4"	25	250
232-SBLU	1"	25	250
233-SBLU	1 1/4"	20	120

Green Set Screw Connectors



Set screw connector used to join EMT to box or enclosure. Color coded green to match EMT for easy identification. Use with green EMT for grounding/bonding, hospital and healthcare, such as nurse call station applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
231-SG	3/4"	25	250

Orange Set Screw Connectors



Set screw connector used to join EMT to box or enclosure. Color coded orange to match EMT for easy identification. Use with orange EMT in construction/research, fiber optic, isolated circuits, and auto repair/maintenance applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
231-SO	3/4"	25	250

Red® Fire Alarm Connectors



Set screw connector used to join EMT to box or enclosure. Color coded red to match EMT for easy identification. Use with red EMT for emergency circuits, fire alarm and security system applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-SR	1/2"	50	500
231-SR	3/4"	25	250
232-SR	1"	25	250
233-SR	1 1/4"	20	120
234-SR	1 1/2"	10	60
235-SR	2"	5	30
236-SR	2 1/2"	2	10
237-SR	3"	2	10

White Set Screw Connectors



Set screw connector used to join EMT to box or enclosure. Color coded white to match EMT for easy identification. Use with white EMT in light colored areas and open architecture applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/ Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
231-SW	3/4"	25	250

Yellow Set Screw Connectors



Set screw coupling used to join two lengths of EMT. Color coded yellow to match EMT for easy identification. Use with yellow EMT in special equipment, caution areas, and high voltage applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
231-SY	3/4"	25	250

Black Set Screw Couplings



Set screw coupling used to join two lengths of EMT. Color coded black to match EMT for easy identification. Use with black EMT in dark colored areas or in open architecture applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
241-SBLK	3/4"	25	250

Blue Set Screw Couplings



Set screw coupling used to join two lengths of EMT. Color coded blue to match EMT for easy identification. Use with blue EMT for low voltage wiring, data comm/video and network security applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
240-SBLU	1/2"	50	500
241-SBLU	3/4"	25	250
242-SBLU	1"	20	200
243-SBLU	1 1/4"	15	90

Green Set Screw Couplings



Set screw coupling used to join two lengths of EMT. Color coded green to match EMT for easy identification. Use with green EMT for critical circuits, nurse call stations and hospital and healthcare applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
241-SG	3/4"	25	250

Orange Set Screw Couplings



Set screw coupling used to join two lengths of EMT. Color coded orange to match EMT for easy identification. Use with orange EMT in construction/research, fiber optic and auto repair/maintenance applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
241-SO	3/4"	25	250

Red® Fire Alarm Couplings



Set screw coupling used to join two lengths of EMT. Color coded red to match EMT for easy identification. Use with red EMT for emergency circuits, fire alarm and security system applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
240-SR	1/2"	50	500
241-SR	3/4"	25	250
242-SR	1"	20	200
243-SR	1 1/4"	15	90
244-SR	1 1/2"	10	60
245-SR	2"	5	30
246-SR	2 1/2"	2	10
247-SR	3"	2	10

White Set Screw Couplings



Set screw coupling used to join two lengths of EMT. Color coded white to match EMT for easy identification. Use with white EMT in light colored areas and open architecture applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
241-SW	3/4"	25	250

Yellow Set Screw Couplings



Set screw coupling used to join two lengths of EMT. Color coded yellow to match EMT for easy identification. Use with yellow EMT in special equipment, caution areas, and high voltage applications. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws. Patented.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
241-SY	3/4"	25	250

Mighty-Bite™ PUSH-EMT® Connectors



Connecting EMT has never been this fast and easy. Simply push the connector onto the conduit. Removable and reusable. Approximately 75% quicker to install than conventional fittings. Patented.

File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-MB	1/2"	25	250
251-MB	3/4"	25	250

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-MBI	1/2"	25	250
251-MBI	3/4"	25	250

Mighty-Bite™ PUSH-EMT® Couplings



Connecting EMT has never been this fast and easy. Simply push the coupling onto the conduit. Removable and reusable. Approximately 75% quicker to install than conventional fittings. Patented.

File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-MB	1/2"	25	250
261-MB	3/4"	25	250

Mighty-Seal® Raintight PUSH-EMT® Connectors



Connecting EMT has never been this fast and easy. Simply push the connector onto the conduit for a raintight/wet location seal. Removable and reusable. Approximately 75% quicker to install than conventional fittings. Patented.

File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-MSRT	1/2"	25	250
251-MSRT	3/4"	25	250

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-MSRTI	1/2"	25	250
251-MSRTI	3/4"	25	250

Mighty-Seal® PUSH-EMT® Couplings



Connecting EMT has never been this fast and easy. Simply push the coupling onto the conduit for a raintight/wet location. Removable and reusable. Approximately 75% quicker to install than conventional fittings. Patented.

File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-MSRT	1/2"	25	250
261-MSRT	3/4"	25	250

Compression Connectors



Compression type connector used to join EMT to box or enclosure. Concrete-tight.

File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250	1/2"	25	250
251	3/4"	25	250
252	1"	10	100
253	1 1/4"	---	25
254	1 1/2"	---	25
255	2"	---	10
256	2 1/2"	2	10
257	3"	2	10
258	3 1/2"	---	6
259	4"	---	6

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-I	1/2"	25	250
251-I	3/4"	25	250
252-I	1"	10	100
253-I	1 1/4"	---	25
254-I	1 1/2"	---	25
255-I	2"	---	10
256-I	2 1/2"	2	10
257-I	3"	2	10
258-I	3 1/2"	---	6
259-I	4"	---	6

Made in the USA Steel Compression Connectors



Compression type steel connectors used to join EMT to box or enclosure. Concrete tight.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-US	1/2"	25	250
251-US	3/4"	25	250
252-US	1"	10	100
253-US	1 1/4"	---	25
254-US	1 1/2"	---	25
255-US	2"	---	10
256-US	2 1/2"	2	10
257-US	3"	2	10
258-US	3 1/2"	---	6
259-US	4"	---	6

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-USI	1/2"	25	250
251-USI	3/4"	25	250
252-USI	1"	10	100
253-USI	1 1/4"	---	25
254-USI	1 1/2"	---	25
255-USI	2"	---	10
256-USI	2 1/2"	2	10
257-USI	3"	2	10
258-USI	3 1/2"	---	6
259-USI	4"	---	6

Raintight Compression Connectors



Compression type connector with internal sealing ring and knockout gasket to create a raintight seal when connecting EMT to box or enclosure.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-SRT	1/2"	25	250
251-SRT	3/4"	25	250
252-SRT	1"	10	100
253-SRT	1 1/4"	---	25
254-SRT	1 1/2"	---	25
255-SRT	2"	---	10
256-SRT	2 1/2"	2	10
257-SRT	3"	2	10
258-SRT	3 1/2"	---	6
259-SRT	4"	---	6

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-SRTI	1/2"	25	250
251-SRTI	3/4"	25	250
252-SRTI	1"	10	100
253-SRTI	1 1/4"	---	25
254-SRTI	1 1/2"	---	25
255-SRTI	2"	---	10
256-SRTI	2 1/2"	2	10
257-SRTI	3"	2	10
258-SRTI	3 1/2"	---	6
259-SRTI	4"	---	6

Compression Couplings



Compression type coupling used to join two lengths of EMT. Concrete-tight.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260	1/2"	25	250
261	3/4"	20	200
262	1"	10	100
263	1 1/4"	---	25
264	1 1/2"	---	25
265	2"	---	10
266	2 1/2"	2	10
267	3"	2	10
268	3 1/2"	---	6
269	4"	---	6

Raintight Compression Couplings



Compression style coupling used to join two lengths of EMT. Internal sealing rings create a raintight seal. Concrete-tight/Raintight.

 File No. E24001


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-SRT	1/2"	25	250
261-SRT	3/4"	20	200
262-SRT	1"	10	100
263-SRT	1 1/4"	---	25
264-SRT	1 1/2"	---	25
265-SRT	2"	---	10
266-SRT	2 1/2"	2	10
267-SRT	3"	2	10
268-SRT	3 1/2"	---	6
269-SRT	4"	---	6

Made in the USA Steel Compression Couplings



Compression type steel couplings used to join two lengths of EMT.

 File No. E24001

Steel


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-US	1/2"	25	250
261-US	3/4"	20	200
262-US	1"	10	100
263-US	1 1/4"	---	25
264-US	1 1/2"	---	25
265-US	2"	---	10
266-US	2 1/2"	2	10
267-US	3"	2	10
268-US	3 1/2"	---	6
269-US	4"	---	6


Compression Connectors



Compression type connector used to join EMT to box or enclosure. 2 1/2" and larger suitable for aluminum or steel EMT and rigid.

Concrete-tight.

 File No. E24001

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-DC2	1/2"	50	500
251-DC2	3/4"	25	250
252-DC2	1"	15	150
253-DC2	1 1/4"	10	100
254-DC2	1 1/2"	10	40
255-DC2	2"	---	10
256-DC2	2 1/2"	---	12
257-DC2	3"	---	12
258-DC2	3 1/2"	---	6
259-DC2	4"	---	6

Zinc Die Cast / Insulated Throat - 105°C


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-DCI2	1/2"	50	500
251-DCI2	3/4"	25	250
252-DCI2	1"	15	150
253-DCI2	1 1/4"	10	100
254-DCI2	1 1/2"	10	40
255-DCI2	2"	---	10
256-DCI2	2 1/2"	---	12
257-DCI2	3"	---	12
258-DCI2	3 1/2"	---	6
259-DCI2	4"	---	6


Compression Couplings



Compression type coupling used to join two lengths of EMT. 2 1/2" and larger zinc die cast are suitable for aluminum or steel EMT and rigid.

Concrete-tight.

 File No. E24001

 File No. LR39354


Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-DC	1/2"	50	500
261-DC	3/4"	25	250
262-DC	1"	15	150
263-DC	1 1/4"	10	100
264-DC	1 1/2"	10	40
265-DC	2"	---	10
266-DC	2 1/2"	---	12
267-DC	3"	---	12
268-DC	3 1/2"	---	6
269-DC	4"	---	6

Made in the USA Raintight Compression Connectors



Compression style connector with internal sealing ring and knockout gasket to create a raintight seal when connecting EMT to box or enclosure. Patented.

 File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-RT2US	1/2"	50	500
251-RT2US	3/4"	25	250
252-RT2	1"	15	150
253-RT2	1 1/4"	10	100
254-RT2	1 1/2"	10	40
255-RT2	2"	---	10
256-RT2	2 1/2"	---	12
257-RT2	3"	---	12
258-RT2*	3 1/2"	---	6
259-RT2*	4"	---	6



*Consult factory for availability.

Zinc Die Cast / Insulated Throat - 90°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-RTI2US	1/2"	50	500
251-RTI2US	3/4"	25	250
252-RTI2	1"	15	150
253-RTI2	1 1/4"	10	100
254-RTI2	1 1/2"	10	40
255-RTI2	2"	---	10
256-RTI2	2 1/2"	---	12
257-RTI2	3"	---	12
258-RTI2*	3 1/2"	---	6
259-RTI2*	4"	---	6



*Consult factory for availability.

Raintight Compression Connectors



Compression style connector with internal sealing ring and knockout gasket to create a raintight seal when connecting EMT to box or enclosure. Patented.

 File No. E24001

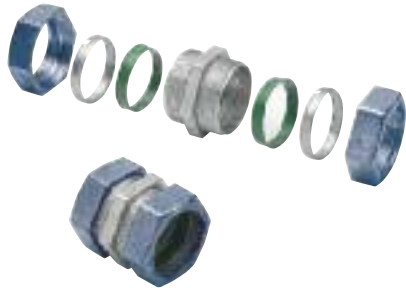
Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-RT2	1/2"	50	500
251-RT2	3/4"	25	250


Zinc Die Cast / Insulated Throat - 90°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-RTI2	1/2"	50	500
251-RTI2	3/4"	25	250

Made in the USA Raintight Compression Couplings



Compression style coupling used to join two lengths of EMT. Internal sealing rings create a raintight seal. Patented.

 File No. E24001

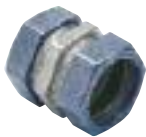
Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-RTUS	1/2"	50	500
261-RTUS	3/4"	25	250
262-RT	1"	15	150
263-RT	1 1/4"	10	100
264-RT	1 1/2"	10	40
265-RT	2"	---	10
266-RT	2 1/2"	---	12
267-RT	3"	---	12
268-RT*	3 1/2"	---	6
269-RT*	4"	---	6



*Consult factory for availability.

Raintight Compression Couplings



Compression style coupling used to join two lengths of EMT. Internal sealing rings create a raintight seal. Patented.

 File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-RT	1/2"	50	500
261-RT	3/4"	25	250

90° Compression Connectors



90° compression type connector used to join EMT to box or enclosure. Concrete-tight.

 File No. E24001


Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
270-DC2	1/2"	20	100

Set Screw Offset Nipple Connectors



Set screw type connector used to join EMT to box or enclosure. Concrete-tight. 1620-DC2 has 3/8" offset; 1621-DC2 has 3/4" offset.

 File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1620-DC2	1/2"	20	200
1621-DC2	3/4"	10	100
1622-DC2	3/4"	5	50

Combination Couplings



Compression end for EMT; two-screw steel strap for flexible metal conduit.

Malleable Iron

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
280	1/2"	3/8"	25	100
281	1/2"	1/2"	20	100

Combination Couplings



280SP

280-DC

281-DC, 282-DC,
282-DCX, 283-DC


 Quick Install

Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
280-DC	1/2"	3/8"	25	100
280SP	1/2"	3/8"	25	100
281-DC	1/2"	1/2"	25	250
282-DC	3/4"	3/4"	25	100
282-DCX	3/4"	1/2"	25	100
283-DC	1"	1"	10	100



Set screw type coupling used to join EMT to flexible metal conduit. The patented 280-DC has a steel strap and is also listed for use with 14/2 to 10/3 AC/MC/MCI-A and 14/2 to 12/3 nonmetallic cables. 280SP is patented Mighty-Merge® design and has set screw end for EMT and Snap-In end for flexible metal conduit and 14/2 to 10/4 AC/MC/MCI-A cables.

 File No. E9391: 280-DC, 280SP, 281-DC, 282-DC, 283-DC


Combination Couplings



Zinc Die Cast

Steel

Set screw type fitting used to join EMT to rigid or IMC. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E9391: 290-S thru 292-S

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
290-DC	1/2"	50	200
291-DC	3/4"	25	100
292-DC	1"	25	100


Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
290-S	1/2"	25	100
291-S	3/4"	25	100
292-S	1"	10	50

Combination Couplings



Coupling used to join EMT to rigid or IMC. Coupling internally threaded for rigid / IMC. Compression type for EMT. Concrete-tight.

 File No. E9391: 292-MS

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
290-MS	1/2"	25	100
291-MS	3/4"	25	100
292-MS	1"	10	50

Mighty-Merge® Raintight Combination Couplings



Couplings used to transition EMT to rigid for a secure raintight/wet location seal. Patented.

 Listed

Zinc Die Cast

Catalog Number	EMT Trade Size	Rigid Trade Size	Unit Qty.	Std. Pkg.
290-RT	1/2"	1/2"	25	100
291-RT	3/4"	3/4"	25	100
292-RT	1"	1"	10	50

Combination Couplings



Coupling used to join EMT to flexible metal conduit. Screw-in end for flex. Compression end for EMT.

 File No. E9391, also 581-DC UL listed for use with XRWFMC.

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
581-DC	1/2"	50	500
582-DC	3/4"	25	250
583-DC	1"	10	100

Mighty-Merge® Combination Couplings



Couplings used to join EMT to flexible metal conduit and AC/MC cable. The 4057-DC is also listed for MCI-A cable. Patented.

 File No. E20534

Zinc Die Cast

Catalog Number	EMT Trade Size	FMC Trade Size	Cable Range	Unit Qty.	Std. Pkg.
4057-DC	3/4"	3/8"	14/2 - 10/4 (MC) 12/3 (AC)	25	100
4058-DC	3/4"	1/2"	10/4 - 6/4 (MC) 10/3 - 6/4 (AC)	25	100

Mighty-Merge® Combination Couplings



Coupling used to join duplex 14/2 (.42" Ø min) to 10/3 (.61" Ø max) armored or metal clad cable or 3/8" flexible metal conduit to 3/4" EMT. Set screw type transitional fitting ideal for commercial and institutional facilities. A labor savings, compared to the traditional junction box installation. Simply remove the armor and expose the length of conductors to reach the device box or enclosure. Insert FMC or AC/MC until visible in inspection holes. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented.

 File No. E20534

Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg.
4157-DC	3/4"	3/8"	25	100

Mighty-Merge® Two-to-One Combination Couplings



Zinc Die Cast

Catalog Number	EMT Trade Size	Unit Qty.	Std. Pkg.
4256-DC	1/2" to 3/4"	10	40
4258-DC	3/4" to 1"	10	40

Used to join two lengths of EMT conduit into one. The 4256-DC joins two 1/2" EMT to one 3/4" EMT. The 4258-DC joins two 3/4" EMT to 1" EMT. Patented.

File No. E20534

Combination Couplings



Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
4360-DC	1/2"	25	100
4361-DC	3/4"	10	50

Coupling used to join either metallic or nonmetallic (Type "B") liquid tight to EMT. Concrete-tight. UL listed "Raintight".

File No. E24001

File No. LR39354

One Hole EMT Straps




Malleable




Steel

To support EMT to mounting surface.

 File No. E161206: 907 thru 910; 921 thru 925

 File No. E161206: 907-S thru 910-S;
924-S thru 925-S

 File No. LR39354: 907 thru 910; 907-S thru 910-S;
920-S thru 925-S

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
920	1/2"	100	1000
921	3/4"	50	500
922	1"	50	500
923	1 1/4"	---	100
924	1 1/2"	---	100
925	2"	---	50
907	2 1/2"	---	25
908	3"	---	10
909	3 1/2"	---	10
910	4"	---	10

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
920-S	1/2"	100	1000
921-S	3/4"	100	500
922-S	1"	50	500
923-S	1 1/4"	---	100
924-S	1 1/2"	---	100
925-S	2"	---	50
907-S	2 1/2"	---	25
908-S	3"	---	25
909-S	3 1/2"	---	10
910-S	4"	---	10

EMT Nail Straps



Nail type strap to support EMT to mounting surface.


Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
920-NS	1/2"	100	1000
921-NS	3/4"	100	1000
922-NS	1"	100	1000

Clamp Backs



Provides space between conduit and mounting surface. For use with malleable straps.

 File No. E161206: 941 thru 950


Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
941	1/2"	50	250
942	3/4"	50	250
943	1"	25	100
944	1 1/4"	20	100
945	1 1/2"	10	100
946	2"	5	50
947	2 1/2"	2	10
948	3"	2	10
949	3 1/2"	---	5
950	4"	---	5

Two Hole Pipe Straps



To support EMT to mounting surface.

 File No. E161206: 1907 thru 1910

 File No. LR39354: 1920 thru 1925

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1907	2 1/2"	25	100
1908	3"	20	80
1909	3 1/2"	15	60
1910	4"	10	40
1920	1/2"	250	2500
1921	3/4"	200	2000
1922	1"	100	1000
1923	1 1/4"	50	500
1924	1 1/2"	50	500
1925	2"	25	250

Insulating Bushings



EMT bushing insulates telephone, computer, video and other low voltage wiring from sharp edges of EMT.

Polyethylene - 90°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
TWB-51	1/2"	100	1000
TWB-52	3/4"	50	500
TWB-53	1"	25	250
TWB-54	1 1/4"	25	250
TWB-55	1 1/2"	---	100
TWB-56	2"	---	50
TWB-57	2 1/2"	---	25
TWB-58	3"	---	25
TWB-59	3 1/2"	---	25
TWB-60	4"	---	25

Steel Expansion Couplings for EMT



Low cost and easy to use. Assembles like a regular EMT set screw coupling. Use to compensate plus or minus 2" lateral movement of conduit in dry locations. Available for use with trade size 3/4" thru 4" steel EMT. To install simply slide coupling end stop onto fixed end of EMT and tighten set screw. Place movable EMT completely into coupling and mark engagement, remove EMT and mark half the distance of engagement, reinstall EMT to half distance. May be used with **optional Bonding Jumper Assembly cat. nos. BJ-100, BJ-200 and BJ-400. (see page 134)**

US Patent 6,715,803,B1

 File No. E24001

Zinc Plated Steel


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
EC-075	3/4"	15	60
EC-100	1"	10	40
EC-125	1-1/4"	8	40
EC-150	1-1/2"	6	30
EC-200	2"	---	4
EC-250	2-1/2"	---	1
EC-300	3"	---	1
EC-350	3-1/2"	---	1
EC-400	4"	---	1

2-1/2" thru 4" suitable for use with EMT or rigid conduit.

Type C Set Screw Type



Allows access to the interior of a conduit system for inspection, pulling and maintenance.

 File No. E11077

Aluminum


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-31	1/2"	10	60
C-32	3/4"	10	60
C-33	1"	5	30
C-34	1 1/4"	2	10
C-35	1 1/2"	2	10
C-36	2"	1	6
C-37CG*	2 1/2"	---	1
C-38CG*	3"	---	1
C-39CG*	3 1/2"	---	1
C-40CG*	4"	---	1


*Provided with cover and neoprene gasket.

Combination Type C



Units have a threaded interior for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit or raintight compression connectors.


Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-41CGC	1/2"	10	60
C-42CGC	3/4"	10	60
C-43CGC	1"	5	30
C-44CGC	1 1/4"	2	10
C-45CGC	1 1/2"	2	10
C-46CGC	2"	1	6

Type LB Set Screw Type



Allows access to the interior of a conduit system for inspection, pulling and maintenance.

 File No. E11077


Aluminum


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-31	1/2"	10	60
LB-32	3/4"	10	60
LB-33	1"	5	30
LB-34	1 1/4"	2	10
LB-35	1 1/2"	2	10
LB-36	2"	1	6
LB-37	2 1/2"	---	1
LB-38	3"	---	1
LB-39	3 1/2"	---	1
LB-40	4"	---	1

Combination Type LB



Units have a threaded interior for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit or raintight compression connectors.


Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-41CGC	1/2"	10	60
LB-42CGC	3/4"	10	60
LB-43CGC	1"	5	30
LB-44CGC	1 1/4"	2	10
LB-45CGC	1 1/2"	2	10
LB-46CGC	2"	1	6

Type LL Set Screw Type



Allows access to the interior of a conduit system for inspection, pulling and maintenance.

 File No. E11077


Aluminum


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-31	1/2"	10	60
LL-32	3/4"	10	60
LL-33	1"	5	30
LL-34	1 1/4"	2	10
LL-35	1 1/2"	2	10
LL-36	2"	1	6

Combination Type LL



Units have a threaded interior for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit or raintight compression connectors.

Aluminum with Cover and Gasket


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-41CGC	1/2"	10	60
LL-42CGC	3/4"	10	60
LL-43CGC	1"	5	30
LL-44CGC	1 1/4"	2	10
LL-45CGC	1 1/2"	2	10
LL-46CGC	2"	1	6

Combination Type LL/LR



Combination type LL/LR style. Units have a threaded interior for use with rigid or IMC as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit or raintight compression connectors.


Combination Type LL/LR

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LLR-41	1/2"	10	60
LLR-42	3/4"	10	60
LLR-43	1"	5	30
LLR-44	1 1/4"	2	10
LLR-45	1 1/2"	2	10
LLR-46	2"	---	5

Type LR Set Screw



Allows access to the interior of a conduit system for inspection, pulling and maintenance.

 File No. E11077


Aluminum


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-31	1/2"	10	60
LR-32	3/4"	10	60
LR-33	1"	5	30
LR-34	1 1/4"	2	10
LR-35	1 1/2"	2	10
LR-36	2"	1	6

Combination Type LR



Units have a threaded interior for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit or raintight compression connectors.


Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-41CGC	1/2"	10	60
LR-42CGC	3/4"	10	60
LR-43CGC	1"	5	30
LR-44CGC	1 1/4"	2	10
LR-45CGC	1 1/2"	2	10
LR-46CGC	2"	1	6

Type T Set Screw



Allows access to the interior of a conduit system for inspection, pulling and maintenance.

 File No. E11077


Aluminum


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-31	1/2"	10	60
T-32	3/4"	10	60
T-33	1"	5	30
T-34	1 1/4"	2	10
T-35	1 1/2"	2	10
T-36	2"	1	6

Combination Type T



Units have a threaded interior for use with rigid as well as set screws for use with EMT. Preassembled with cover and gasket.

 File No. E11077

 Listed Raintight when used with rigid conduit or raintight compression connectors.


Aluminum with Cover and Gasket

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-41CGC	1/2"	10	60
T-42CGC	3/4"	10	60
T-43CGC	1"	5	30
T-44CGC	1 1/4"	2	10
T-45CGC	1 1/2"	2	10
T-46CGC	2"	1	6

Conduit Body Covers



Encloses conduit body; supplied with screws.

 File No. E11077

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SC-41	1/2"	25	100
SC-42	3/4"	25	100
SC-43	1"	25	100
SC-44	1 1/4" - 1 1/2"	10	100
SC-46	2"	---	25
SC-47	2 1/2" - 3"	---	20
SC-49	3 1/2" - 4"	---	5

Conduit Body Gaskets



SG series provides dust tight seal between conduit body and cover.

SGN series provides both dust and rain-tight protection.

SGN gaskets are impervious to most liquids and oil.

Cellulose

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SG-61	1/2"	100	1000
SG-62	3/4"	100	1000
SG-63	1"	50	500
SG-64	1 1/4" - 1 1/2"	---	100
SG-66	2"	---	100
SG-67	2 1/2" - 3"	---	100
SG-69	3 1/2" - 4"	---	25

Neoprene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SGN-61	1/2"	100	1000
SGN-62	3/4"	100	1000
SGN-63	1"	50	500
SGN-64	1 1/4" - 1 1/2"	---	100
SGN-66	2"	---	100
SGN-67	2 1/2" - 3"	---	100
SGN-69	3 1/2" - 4"	---	25

Mighty-B™ PUSH-EMT® Fittings



Connecting EMT conduit in wet or dry locations has never been this fast and simple. Mighty-Seal® and Mighty-BITE™ connectors and couplings are part of the exclusive Mighty-B™ line of high-quality, high-performance products focused on getting the job done fast, done right. Legendary Bridgeport quality, innovation and unparalleled service are built in to every Mighty-B fitting we ship. All Mighty-B fittings exceed the stringent design requirements of UL 514B and the National Electrical Code.

- Push-on install
- Removable and reusable
- Raintight & dry location models
- Constructed of the highest quality zinc
- Corrosion resistant
- Precision cast threads
- Reversible zinc serrated locknut
- cULus Listed
- Approximately 75% quicker to install than conventional fittings
- Patented

Typical Raintight Installation and Removal



Installation

1. No disassembly required
2. Cut EMT square and remove burrs
3. Firmly push and rotate EMT onto fitting a minimum of 1/2"
4. For connector, install with knockout gasket on outside of enclosure. Hand tighten locknut plus 1/4 turn

Removal and Reuse

1. Unscrew Blue nut from fitting body
2. Remove EMT
3. To reuse, ensure components are assembled in order (see below) and tighten Blue nut hand tight



Typical Dry Location Installation and Removal



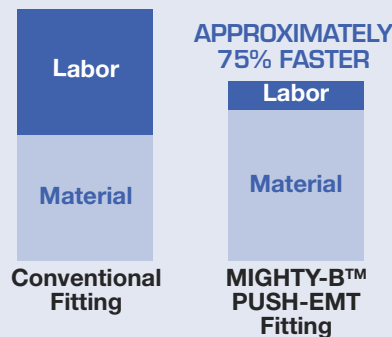
Installation

1. Cut EMT square and remove burrs
2. Firmly push and rotate EMT onto fitting a minimum of 1/2"
3. For connector, install into knockout with locknut. Hand-tighten plus 1/4 turn

Removal and Reuse

1. Turn counter-clockwise to remove from EMT
2. Fitting is ready to be reused

REDUCED INSTALLATION TIME:



**Mighty-Bite™
Dry-Location Connectors**



File No. E24001

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-MB	1/2"	25	250
251-MB	3/4"	25	250

Mighty-Bite™ Dry-Location Connectors (Insulated)



File No. E24001

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-MBI	1/2"	25	250
251-MBI	3/4"	25	250

**Mighty-Seal®
Raintight Connectors**



File No. E24001

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-MSRT	1/2"	25	250
251-MSRT	3/4"	25	250

Mighty-Seal® Raintight Connectors (Insulated)



File No. E24001

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-MSRTI	1/2"	25	250
251-MSRTI	3/4"	25	250

**Mighty-Bite™
Dry-Location Couplings**



File No. E24001

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-MB	1/2"	25	250
261-MB	3/4"	25	250

**Mighty-Seal®
Raintight Couplings**



File No. E24001

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-MSRT	1/2"	25	250
261-MSRT	3/4"	25	200

Liquid Tight Connectors, Straight & 90°



429-NMLT

470-NMLT

Nonmetallic straight and 90° connectors for use with nonmetallic "Type B" liquid tight conduit. Sunlight resistant.

 File No. E9391

Straight Nonmetallic

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
429-NMLT	3/8"	25	100
430-NMLT	1/2"	25	100
431-NMLT	3/4"	10	50
432-NMLT	1"	5	25
433-NMLT	1 1/4"	5	25
434-NMLT	1 1/2"	2	10
435-NMLT	2"	2	10

90° Nonmetallic

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
469-NMLT	3/8"	25	100
470-NMLT	1/2"	25	100
471-NMLT	3/4"	10	50
472-NMLT	1"	5	25
473-NMLT	1 1/4"	2	10
474-NMLT	1 1/2"	2	10
475-NMLT	2"	2	10


Screw-On Liquid Tight Connectors, Straight & 90°



430-NMLTS

470-NMLTS

Nonmetallic straight and 90° connectors for use with nonmetallic "Type B" liquid tight conduit. Connectors simply screw onto conduit. No tools required! Sunlight resistant.

 File No. E9391

Straight Nonmetallic

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
430-NMLTS	1/2"	25	100
431-NMLTS	3/4"	25	100

90° Nonmetallic


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
470-NMLTS	1/2"	10	100
471-NMLTS	3/4"	10	100

Liquid Tight Connectors, Straight



Straight connector for use with metallic and nonmetallic "Type B" liquid tight conduit.

 File No. E9391

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
429-LT2	3/8"	25	100
430-LT2	1/2"	25	100
431-LT2	3/4"	10	50
432-LT2	1"	5	25
433-LT2	1 1/4"	5	20
434-LT2	1 1/2"	2	10
435-LT2	2"	2	20
436-LT2	2 1/2"	1	5
437-LT2	3"	1	5
438-LT2	3 1/2"	1	5
439-LT2	4"	1	5

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
429-LTI2	3/8"	25	100
430-LTI2	1/2"	25	100
431-LTI2	3/4"	10	50
432-LTI2	1"	5	25
433-LTI2	1 1/4"	5	20
434-LTI2	1 1/2"	2	10
435-LTI2	2"	2	20
436-LTI2	2 1/2"	1	5
437-LTI2	3"	1	5
438-LTI2	3 1/2"	1	5
439-LTI2	4"	1	5

Liquid Tight Connectors, Straight





Steel



Malleable

Straight connector for use with metallic liquid tight conduit.

 File No. E9391: 436-SLT thru 439-SLT

 File No. E9391: Steel and 436-SLTI thru 439-SLTI

 File No. LR39354: Steel

***Note:** UL Listing not applicable to 5" & 6" Malleable Iron.

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
436-SLT	2 1/2"	1	5
437-SLT	3"	1	5
438-SLT	3 1/2"	1	5
439-SLT	4"	1	5
440-SLT	5"	---	2
441-SLT	6"	---	1

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
429-SLT	3/8"	25	100
430-SLT	1/2"	25	100
431-SLT	3/4"	10	50
432-SLT	1"	5	25
433-SLT	1 1/4"	5	20
434-SLT	1 1/2"	2	10
435-SLT	2"	2	20

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
429-SLTI	3/8"	25	100
430-SLTI	1/2"	25	100
431-SLTI	3/4"	10	50
432-SLTI	1"	5	25
433-SLTI	1 1/4"	5	20
434-SLTI	1 1/2"	2	10
435-SLTI	2"	2	20

Malleable Iron / Insulated Throat - 105°C


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
436-SLTI	2 1/2"	1	5
437-SLTI	3"	1	5
438-SLTI	3 1/2"	1	5
439-SLTI	4"	1	5
440-SLTI	5"	---	2
441-SLTI	6"	---	1

Liquid Tight Connectors with Grounding Lug, Straight



Straight liquid tight connectors with grounding lug for use with metallic liquid tight conduit.

 File No. E9391

 File No. LR39354

Steel with Aluminum Lug

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
429-SLTG	3/8"	25	125
430-SLTG	1/2"	25	125
431-SLTG	3/4"	25	125
432-SLTG	1"	10	50
433-SLTG	1 1/4"	5	25
434-SLTG	1 1/2"	5	25
435-SLTG	2"	2	10

Steel with Aluminum Lug / Insulated Throat - 105°C


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
429-SLTIG	3/8"	25	125
430-SLTIG	1/2"	25	125
431-SLTIG	3/4"	25	125
432-SLTIG	1"	10	50
433-SLTIG	1 1/4"	5	25
434-SLTIG	1 1/2"	5	25
435-SLTIG	2"	2	10

Liquid Tight Connectors, 45°



45° connector for use with metallic liquid tight conduit.

 File No. E9391

 File No. LR39354

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
449-SLT	3/8"	25	100
450-SLT	1/2"	25	100
451-SLT	3/4"	10	50
452-SLT	1"	5	25
453-SLT	1 1/4"	5	25
454-SLT	1 1/2"	2	10
455-SLT	2"	1	5
456-SLT	2 1/2"	---	1
457-SLT	3"	---	1
458-SLT	3 1/2"	---	1
459-SLT	4"	---	1


Malleable Iron / Insulated Throat - 105°C


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
449-SLTI	3/8"	25	100
450-SLTI	1/2"	25	100
451-SLTI	3/4"	10	50
452-SLTI	1"	5	25
453-SLTI	1 1/4"	5	25
454-SLTI	1 1/2"	2	10
455-SLTI	2"	1	5
456-SLTI	2 1/2"	---	1
457-SLTI	3"	---	1
458-SLTI	3 1/2"	---	1
459-SLTI	4"	---	1

Liquid Tight Connectors, 90°



90° connector for use with metallic and nonmetallic "Type B" liquid tight conduit.

 File No. E9391

 File No. LR39354

Die Cast Zinc

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
469-LT2	3/8"	25	100
470-LT2	1/2"	25	100
471-LT2	3/4"	10	50
472-LT2	1"	5	25
473-LT2	1 1/4"	5	25

Die Cast Zinc / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
469-LTI2	3/8"	25	100
470-LTI2	1/2"	25	100
471-LTI2	3/4"	10	50
472-LTI2	1"	5	25
473-LTI2	1 1/4"	5	25

Cast Zinc

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
474-LT2	1 1/2"	2	10
475-LT2	2"	---	5
476-LT2	2 1/2"	---	1
477-LT2	3"	---	1
478-LT2	3 1/2"	---	1
479-LT2	4"	---	1

Cast Zinc / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
474-LTI2	1 1/2"	2	10
475-LTI2	2"	---	5
476-LTI2	2 1/2"	---	1
477-LTI2	3"	---	1
478-LTI2	3 1/2"	---	1
479-LTI2	4"	---	1


Liquid Tight Connectors, 90°



Steel

Malleable Iron

90° connector for use with metallic liquid tight conduit.

 File No. E9391: Steel: 476-SLT thru 479-SLT;
476-SLTI thru 479-SLTI

 File No. LR39354: Steel

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
476-SLT	2 1/2"	---	1
477-SLT	3"	---	1
478-SLT	3 1/2"	---	1
479-SLT	4"	---	1


Liquid Tight Connectors with Grounding Lug, 90°



Steel with Aluminum Lug

90° liquid tight connectors with grounding lug for use with metallic liquid tight conduit.

 File No. E9391

 File No. LR39354

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
469-SLT	3/8"	25	100
470-SLT	1/2"	25	100
471-SLT	3/4"	10	50
472-SLT	1"	5	25
473-SLT	1 1/4"	5	25
474-SLT	1 1/2"	2	10
475-SLT	2"	---	5

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
469-SLTI	3/8"	25	100
470-SLTI	1/2"	25	100
471-SLTI	3/4"	10	50
472-SLTI	1"	5	25
473-SLTI	1 1/4"	5	25
474-SLTI	1 1/2"	2	10
475-SLTI	2"	---	5

Malleable Iron / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
476-SLTI	2 1/2"	---	1
477-SLTI	3"	---	1
478-SLTI	3 1/2"	---	1
479-SLTI	4"	---	1

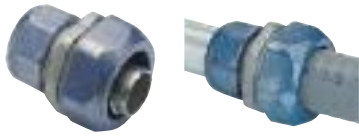
Steel with Aluminum Lug

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
469-SLTG	3/8"	20	100
470-SLTG	1/2"	20	100
471-SLTG	3/4"	10	50
472-SLTG	1"	5	25
473-SLTG	1 1/4"	4	20
474-SLTG	1 1/2"	3	15
475-SLTG	2"	2	10


Steel with Aluminum Lug / Insulated Throat - 105°C


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
469-SLTIG	3/8"	20	100
470-SLTIG	1/2"	20	100
471-SLTIG	3/4"	10	50
472-SLTIG	1"	5	25
473-SLTIG	1 1/4"	4	20
474-SLTIG	1 1/2"	3	15
475-SLTIG	2"	2	10

Combination Couplings



Coupling used to join either metallic or nonmetallic (Type "B") liquid tight to EMT. Concrete-tight. UL listed "Raintight".

 File No. E24001

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
4360-DC	1/2"	25	100
4361-DC	3/4"	10	50

Combination Couplings



Used to join metallic to Rigid/IMC. Concrete-tight. UL listed "Raintight".

 File No. E9391


Malleable Iron

Catalog Number	Trade Size (LT to Rigid)	Unit Qty.	Std. Pkg.
4369-LT	3/8" - 1/2"	25	125
4370-LT	1/2" - 1/2"	20	100
4371-LT	3/4" - 3/4"	10	50
4372-LT	1" - 1"	5	25
4373-LT	1 1/4" - 1 1/4"	4	20
4374-LT	1 1/2" - 1 1/2"	3	15
4375-LT	2" - 2"	2	10

Liquid Tight Sealing Rings



Provides liquid tight sealing with connector to box or enclosure.

 File No. E11259


Polyethylene With Steel Retainer


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
SR-050	1/2"	100	400
SR-075	3/4"	100	400
SR-100	1"	100	400
SR-125	1 1/4"	50	200
SR-150	1 1/2"	50	200
SR-200	2"	50	200
SR-250	2 1/2"	---	5
SR-300	3"	---	5
SR-350	3 1/2"	---	5
SR-400	4"	---	5

PVC “Snap-In” Type Connectors



For connecting portable cord to box or enclosure. Locknut not required.

 File No. E11698

 File No. LR74878

PVC

Catalog Number	K.O. Size	Cord Range	Unit Qty.	Std. Pkg. Qty.
620-NM	1/2"	19/64 to 19/32 or two cords 19/64	50	500
621-NM	3/4"	1/2 to 27/32	25	250

Two Screw, Strap Type Connectors




650-DC2



650-HD2

For connecting SJO cord to box or enclosure. Also listed for NM-B cable - see Nonmetallic Cable section. The 650-HD2 connector has a die cast strap for heavy duty use.

 File No. E11698


Zinc Die Cast

Catalog Number	K.O. Size	Cord Range	Unit Qty.	Std. Pkg. Qty.
650-DC2	1/2"	18/3 to 12/3	100	1000
650-HD2	1/2"	16/2 to 14/3	100	1000

Single Screw, Strap Type Connectors



For connecting SJO cord to box or enclosure. Also listed for NM-B cable - see Nonmetallic cable section. US Patent D473-7835.

 File No. E11698


Zinc Die Cast

Catalog Number	K.O. Size	Cord Range	Unit Qty.	Std. Pkg. Qty.
651-DC2	3/8"	18/3 to 12/3	100	1000

Whipper-Snap® Single Screw, Strap Type Connector



For connecting SJO cord to box or enclosure. Also listed for NM-B cable - see Nonmetallic cable section. Simply snap connector into electrical box. External spring steel locking tabs secures connector to electrical box. Patented Whipper-Snap design.

 File No. E11698

Zinc Die Cast


Catalog Number	K.O. Size	Cord Range	Unit Qty.	Std. Pkg. Qty.
651SP	3/8"	18/3 to 12/3	100	1000

Steel Cord Grip Connectors, Straight.



Bridgeport's line of high quality, made in the USA, cord grip fittings is the electrician's smart choice. Each fitting is identified by a color coded grommet

that clearly indicates the minimum-maximum cable diameter range for which the connector can be used. Bridgeport's cord grips meet the requirements of rugged service on all types of equipment, in all non-hazardous areas. Our 105°C rated neoprene sealing grommets grip the cable jacket firmly but safely providing strain relief and protecting the internal wiring connections from tension on the cable or cord. The steel washer reduces friction between the grommet and the compression nut to provide even pressure distribution, eliminating leakage resulting from grommet distortion.

 File No. E11259

Steel

Catalog Number	Size	Cable Ranges Min. Max		For Types S, SO, ST & STO	For Types SJ, STO, SJT SJTO, SVO, & BUS DROP	Color	Unit Qty.	Std. Pkg. Qty.
CG770-250	1/2"	.150	.250		18-2, 3 SVO	Red	25	250
CG770-350	1/2"	.250	.350		18-2, 3 SJT 18-2, 3, 4 SJO 16-2, 3, SJO	White	25	250
CG770-450	1/2"	.350	.450	18-2, 3, 4 16-2, 2, 4	16-4 SJO 14-2,3,4 SJO 12-2550 14-3 BUS DROP	Blue	25	250
CG770-560	1/2"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3	12-3 SJO 12-3 & 10-3 BUS DROP	Green	25	250
CG770-650	1/2"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2		Beige	25	250
CG771-250	3/4"	.150	.250		18-2 & 3 SVO	Red	10	100
CG771-350	3/4"	.250	.350		18-2,3 SJT 18-2,3,4 SJO 16-2,3 SJO	White	10	1000
CG771-450	3/4"	.350	.450	18-2, 3, 4 16-2, 3, 4	16-4SJO 14-2, 3, 4 SJO 12-2 SJO 14-3 BUS DROP	Blue	10	100
CG771-560	3/4"	.450	.550	18-5, 6, 7 16-5,6 14-2, 3	12-3 SJO 12-3 & 10-3 BUS DROP	Green	10	100
CG771-650	3/4"	.550	.650	18-8,10 16-7, 8 14-4 12-2, 3 10-2		Beige	10	100
CG771-750	3/4"	.650	.750	18-12,14 16-10,12 14-5, 6, 7 12-4, 5 10-3, 4 8-2	8-3 BUS DROP	Yellow	10	100
CG771-850	3/4"	.750	.850	18-16,18, 20 16-14, 16, 18 14-8 12-6, 7, 8 10-5 8-3, 4 6-2	6-3 BUS DROP	Purple	5	50
CG772-560	1"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3	12-3 SJO 12-3 & 10-3 BUS DROP	Green	5	50
CG772-650	1"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2		Beige	5	50
CG772-750	1"	.650	.750	18-2,14 16-10,12 14-5, 6, 7 12-4, 5 10-3, 4 8-2	8-3 BUS DROP	Yellow	5	50
CG772-850	1"	.750	.850	18-16,18,20 16-14, 16, 18 14-8 12-6, 7, 8 10-5 8-3, 4 6-2	6-3 BUS DROP	Purple	5	50
CG772-950	1"	.850	.950	18-22, 24, 26 16-20, 22, 24 14-10, 12 10-6, 7, 8 6-3, 4	4-3 BUS DROP	Gray	5	50
CG772-1050	1"	.950	1.050	18-30 16-26 14-14, 16 12-10 4-3		Black	5	50

Steel Cord Grip Connectors, Straight Continued...

Steel


Catalog Number	Size	Cable Ranges Min. Max		For Types S, SO, ST & STO	For Types SJ, STO, SJT SJTO, SVO, & BUS DROP	Color	Unit Qty.	Std. Pkg. Qty.
CG773-850	1 1/4"	.750	.850	18-16,18,20 16-14,16,18 14-8 12-6,7,8 10-5 8-3,4 6-2	6-3 BUS DROP	Purple	5	25
CG773-950	1 1/4"	.850	.950	18-22,24,26 16-20, 22, 24 14-10,12 10-6,7, 6-3,4	4-3 BUS DROP	Grey	5	25
CG773-1050	1 1/4"	.950	1.050	18-30 16-26 14-14,16 12-10 4-3	-	Black	5	25
CG773-1150	1 1/4"	1.050	1.150	18-36,40 16-30,36 14-18,20 12-12,14 10-10 4-4	2-3 BUS DROP	Orange	5	25
CG773-1250	1 1/4"	1.150	1.250	16-40 14-22 12-16,18 10-12,14 2-3	-	Red	5	25
CG773-1375	1 1/4"	1.250	1.375	14-24,26,30	- 12-20 10-16 2-4	White	5	25
CG774-1050	1 1/2"	0.950	1.050	18-30 16-26 14-14,16 12-10 4-3	-	Black	2	20
CG774-1150	1 1/2"	1.050	1.150	18-36,40 16-30,36 14-18,20 12-12,14 10-10 4-4	2-3 BUS DROP	Orange	2	20
CG774-1250	1 1/2"	1.150	1.250	16-40 14-22 12-16,18 10-12,14 2-3	-	Red	2	20
CG774-1375	1 1/2"	1.250	1.375	12-24,26,30 12-20 10-16 2-4	-	White	2	20

Aluminum Cord Grip Connectors, Straight.



Bridgeport's line of high quality, made in the USA, cord grip fittings is the electrician's smart choice. Each fitting is identified by a color coded grommet

that clearly indicates the minimum-maximum cable diameter range for which the connector can be used. Bridgeport's cord grips meet the requirements of rugged service on all types of equipment, in all non-hazardous areas. Our 105°C rated neoprene sealing grommets grip the cable jacket firmly but safely providing strain relief and protecting the internal wiring connections from tension on the cable or cord. The washer reduces friction between the grommet and the compression nut to provide even pressure distribution, eliminating leakage resulting from grommet distortion.

 File No. E11259


Steel


Catalog Number	Size	Cable Ranges Min. Max		For Types S, SO, ST & STO	For Types SJ, STO, SJT SJTO, SVO, & BUS DROP	Color	Unit Qty.	Std. Pkg. Qty.
CGA770250	1/2"	.150	.250		18-2, 3 SVO	Red	25	250
CGA770350	1/2"	.250	.350		18-2, 3 SJT 18-2, 3, 4 SJO 16-2, 3, SJO	White	25	250
CGA770450	1/2"	.350	.450	18-2, 3, 4 16-2, 2, 4	16-4 SJO 14-2,3,4 SJO 16-2, 3 SJO	Blue	25	250
CGA770560	1/2"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3	12-3 SJO 12-3 & 10-3 BUS DROP	Green	25	250
CGA770650	1/2"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2		Beige	25	250
CGA771250	3/4"	.150	.250		18-2 & 3 SVO	Red	10	100
CGA771350	3/4"	.250	.350		18-2,3 SJT 18-2,3,4 SJO 16-2,3 SJO	White	10	1000
CGA771450	3/4"	.350	.450	18-2, 3, 4 16-2, 3, 4	16-4SJO 14-2, 3, 4 SJO 12-2 SJO 14-3 BUS DROP	Blue	10	100
CGA771560	3/4"	.450	.550	18-5, 6, 7 16-5,6 14-2, 3	12-3 SJO 12-3 & 10-3 BUS DROP	Green	10	100
CGA771650	3/4"	.550	.650	18-8,10 16-7, 8 14-4 12-2, 3 10-2		Beige	10	100
CGA771750	3/4"	.650	.750	18-12,14 16-10,12 14-5, 6, 7 12-4, 5 10-3, 4 8-2	8-3 BUS DROP	Yellow	10	100
CGA771850	3/4"	.750	.850	18-16,18,20 16-14, 16, 18 14-8 12-6, 7, 8 10-5 8-3, 4 6-2	6-3 BUS DROP	Purple	5	50
CGA772560	1"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3	12-3 SJO 12-3 & 10-3 BUS DROP	Green	5	50
CGA772650	1"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2		Beige	5	50
CGA772750	1"	.650	.750	18-2,14 16-10,12 14-5, 6, 7 12-4, 5 10-3, 4 8-2	8-3 BUS DROP	Yellow	5	50
CGA772850	1"	.750	.850	18-16,18, 20 16-14, 16, 18 14-8 12-6, 7, 8 10-5 8-3, 4 6-2	6-3 BUS DROP	Purple	5	50
CGA772950	1"	.850	.950	18-22, 24, 26 16-20, 22, 24 14-10, 12 10-6, 7, 8 6-3, 4	4-3 BUS DROP	Gray	5	50
CGA7721050	1"	.950	1.050	18-30 16-26 14-14, 16 12-10 4-3		Black	5	50

Cord Grip Connectors, Straight



Straight connector for use with any flexible cord. Provides liquid tight, watertight protection. Tapered (NPT) threads. Furnished with polyethylene knockout gasket and locknut.

 File No. E11259

 File No. LR39354

Zinc Die Cast

Catalog Number	K.O. Size	Cord Range	Locking Ring Color	Unit Qty.	Std. Pkg. Qty.
770-22	1/2"	.125" - .187"	Orange	25	100
770-32	1/2"	.187" - .250"	Red	25	100
770-42	1/2"	.250" - .375"	White	25	100
770-52	1/2"	.375" - .500"	Blue	25	100
770-62	1/2"	.500" - .625"	Beige	25	100
770-72	1/2"	.625" - .750"	Yellow	25	100
771-32	3/4"	.250" - .375"	White	10	50
771-42	3/4"	.375" - .500"	Blue	10	50
771-52	3/4"	.500" - .625"	Beige	10	50
771-62	3/4"	.625" - .750"	Yellow	10	50
772-32	1"	.500" - .625"	Beige	5	25
772-42	1"	.625" - .750"	Yellow	5	25
772-52	1"	.750" - .875"	Purple	5	25
772-62	1"	.875" - 1.000"	Gray	5	25

Whipper-Snap® Snap-In Connectors



38ASP

380SP

For connecting 14/2 (.43" Ø min) to 10/3 (.61" Ø max) AC/MC cable or 3/8" flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Push cable or conduit into the connector and snap the connector into the box. Easy push through design eliminates snags and wire insulation damage. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
380SP	3/8"	1/2"	50	500



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
38ASP	3/8"	1/2"	50	500



Mighty-Merge® Combination Coupling



Coupling used to join 1/2" EMT to flexible metal conduit and 14/2 to 10/4 AC/MC/MCI-A cables. Patented.

 File No. E9391

Zinc Die Cast

Catalog Number	EMT Trade Size	Trade Size	Unit Qty.	Std. Pkg. Qty.
280SP	1/2"	3/8"	25	100



Whipper-Snap® Duplex Connectors



The 846SP is a strap type fitting with external spring steel locking tabs that allow the connector to simply snap into the electrical box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

The 3838ASP and 3838SP are double-snap type connectors. Simply snap cables into connector and snap assembly into electrical box. No tools required! Use the 846SP with 14/2 (.38" Ø min) to 10/4 (.625" Ø max), the 3838SP with 14/2 (.38" Ø min) to 10/2 (.59" Ø max) and the 3838ASP with 14/2 (.38" Ø min) to 10/2 (.59" Ø max) armored or metal clad cable or 3/8" flexible metal conduit. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Integral internal spring steel locking tabs fasten cable or conduit. External spring steel locking tabs secures connector to electrical box. Suitable for maintaining grounding continuity when installed in accordance with the NEC. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
3838SP	3/8"	1/2"	20	200
846SP	3/8"	1/2"	20	200



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
3838ASP	3/8"	1/2"	20	200



Screw-In Connectors, Snap-In



Low profile connector for connecting aluminum or steel flexible metal conduit to box or enclosure. Spring steel locking tabs eliminate need for a locknut. Suitable for flexible whips. 539-SS is UL recognized for use with listed or certified sub assemblies.

 File No. E9391

Spring Steel

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
539-SS	5/16"	1/2"	---	2500
540-SS	3/8"	1/2"	---	2500



Whipper-Snap® Single Screw Strap Type Connector for MCI-A Cable



For connecting 14/2 to 10/3 AC/MC cable or 3/8" steel or aluminum flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
560MCIA	3/8"	1/2"	.38"	.55"	50	500



Whipper-Snap® Single Screw, Strap Type Connectors



Used to connect 14/2 (.43" Ø min) to 10/3 (.61" Ø max) armored or metal clad cable or flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
560SP	3/8"	1/2"	50	500



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
560ASP	3/8"	1/2"	50	500



Snap Type Connectors



590-DC2

590-DC12

590-DC2
(Back View)

For connecting 14/2 (.43" Ø min) to 10/3 (.61" Ø max) aluminum or steel AC/MC cable or 3/8" flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Push cable or conduit into the connector and install in 1/2" knockout. Internal spring steel locking ring tabs securely clamp the cable in place and assure bonding. Ring tabs are shaped to accept cable without damage to wire insulation. Patent pending.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
590-DC2	3/8"	1/2"	50	500



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
590-DC12	3/8"	1/2"	50	500



Mighty-Seal® PVC Jacketed MC and TECK Cable Connectors



CONCRETE
TIGHT RAIN TIGHT

The 595 series connectors are for connecting 12/2 to 10/3 PVC jacketed MC cable (parking deck/lot cable) or 14/2, 14/3, 12/2 TECK Cable with .610" maximum armor and .720" maximum jacket to box or enclosure. The 596 series connectors are for connecting 10/4 to 8/3 PVC jacketed MC cable or 14/3 thru 10/3 TECK Cable with .685" maximum armor and .800" maximum jacket. Simply strip 7/8" to 1" of jacket from end of cable, loosen nut, and push cable into connector until cable reaches end stop. Tighten nut for raintight connection. Knockout gasket provides positive seal at 1/2" K.O. NPT tapered threads permits installation in threaded boxes. The 595-DC2C and 596-DC2C have a polyolefin coating and are listed for direct burial. Concrete tight. Patented.

 File No. E20534 (except 595 and 596-DC2C)

 Listed: 595-DC2C and 596-DC2C

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
595-DC2*	3/8"	1/2"	15	60
596-DC2	1/2"	1/2"	15	60

Zinc Die Cast / Insulated Throat - 90°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
595-DCI2*	3/8"	1/2"	15	60
596-DCI2	1/2"	1/2"	15	60

Zinc Die Cast / Polyolefin Coating

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
595-DC2C	3/8"	1/2"	10	40
596-DC2C	1/2"	1/2"	15	60

* Also available in 90° version as 895-DC2 and 895-DCI2




PVC “Snap-In” Type Connectors





616-NMD

617-NMD

For connecting nonmetallic cable to box or enclosure. Locknut not required.

 File No. E11698


PVC


Catalog Number	K.O. Size	Nonmetallic Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
616-NMD	1/2"	One 14/2 to 6/2	Two 14/2 to 12/3	100	1000
					
617-NMD	3/4"	One 8/2, 8/3, 6/2, 6/3		50	500
					

PVC “Snap-In” Type Connectors





For connecting nonmetallic cable to box or enclosure. Locknut not required.

 File No. E11698

 File No. LR74878


PVC

Catalog Number	K.O. Size	Nonmetallic Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
620-NM	1/2"	14/2	10/3	50	500
					
		Or Two			
		14/2	12/2		
621-NM	3/4"	8/3	6/3	25	250
					
		Or Two			
		12/3	8/3		

Two-Piece Clamp Type Connectors



For connecting single nonmetallic cable to box or enclosure. Locknut not required.

 File No. E11698: 642 thru 644


Steel

Catalog Number	K.O. Size	Nonmetallic Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
642	1/2"	.180"	.560"	100	1000
643	3/4"	.250"	.830"	50	500
644	1 1/4"	.250"	.980"	50	250
645	1 1/2"	.312"	1.125"	20	100

Whipper-Snap® Single Screw 90° Connectors



90° fitting with cover used for connecting 12/2 (.48" Ø min) to 10/3 (.58" Ø max) AC/MC cable to box or enclosure. Single screw design saves time and money. Connectors with patented Whipper-Snap design snap into electrical box! For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E202876

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802SP	3/8"	1/2"	25	250
802MCIA	3/8"	1/2"	25	250



Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802ASP	3/8"	1/2"	25	250



Whipper-Snap® Snap-In Two Screw Strap Type Connector



For connecting 14/4 (.44" Ø min) to 10/3 (.61" Ø max) steel or aluminum AC/MC cable. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. 20534

Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
840SP	3/8"	1/2"	100	1000



Whipper-Snap® Two Screw, Strap Type Connector



For connecting nonmetallic cable to box or enclosure. For use with one 14/2 to 10/3 or two 14/2 to 12/2 NM-B cables. Simply snap connector into electrical box. External spring steel locking tabs secures connector to electrical box. Patented Whipper-Snap design.

 File No. E11698

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
841SP	3/8"	1/2"	100	1000




Whipper-Snap® Snap-In Set Screw Connectors



845SP

845ASP

Used to connect 14/2 (.43" Ø min) to 10/3 (.61" Ø max) steel or aluminum AC or steel or aluminum MC cable to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. To install, tighten screw between convolutions in cable. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Cable Range Min.	Cable Range Max.	Unit Qty.	Std. Pkg. Qty.
845SP	3/8"	1/2"	.43"	.61"	100	1000

 Quick Install

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Cable Range Min.	Cable Range Max.	Unit Qty.	Std. Pkg. Qty.
845ASP	3/8"	1/2"	.43"	.61"	100	1000

 Quick Install

Whipper-Snap® 90° Connector Double-Screw Design



Used for connecting 12/2 (.55" Ø min) to 10/3 (.61" Ø max) AC/MC cable to box or enclosure. Simply snap connector into electrical box. External spring steel locking tabs secures connector to electrical box. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
850SP	3/8"	1/2"	25	250

 Quick Install

Whipper-Snap® Single Screw 90° Connectors



90° fitting with cover used for connecting flexible metal conduit to box or enclosure. Single screw design saves time and money. Patented Whipper-Snap design.

 File No. E9391

Whipper-Snap® Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
851SP	1/2"	1/2"	25	100



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
851ASP	1/2"	1/2"	25	100



Quick Install EMT Connectors



Quickly joins EMT to box or enclosure without the use of a locknut. Simply:

- Insert fitting into the knockout
- Insert EMT into the fitting
- Tighten the set screw to simultaneously secure the EMT and the fitting into the knockout

 File No. E24001

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1701-DC	1/2"	50	500
1702-DC	3/4"	25	250



Whipper-Snap® Two Screw Strap Type Connector



For connecting 14/2 (.44" Ø min) to 10/3 (.61" Ø max) AC/MC cable to box or enclosure. Connector simply snaps into the box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
8400SP	3/8"	1/2"	100	1000



Whipper-Snap® Two Screw Strap Type Connector for MCI-A Cable



For connecting 14/2 (.38" Ø min) to 10/3 (.525" Ø min) to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Connector simply snaps into the box. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
8400ASP	3/8"	1/2"	100	1000



Whipper-Snap® 90° Duplex Connector



90° fitting with steel cover used to connect 14/4 (.44" Ø min) to 10/3 (.61" Ø max) steel or aluminum armored cable or 3/8" flexible metal conduit to box or enclosure. Simply snap connector into electrical box! External spring steel locking tabs secures connector.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
84690SP	3/8"	1/2"	25	100



E-Z Lock® Connectors - Steel



AMC-50

AMC-5075

AMC-52

Used to connect armored or metal clad cable to box or enclosure. Use slotted, Phillips or Robertson head screwdriver. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Use with anti-short bushing.

 File No. E20534

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Cable Range		Throat Opening	Unit Qty.	Std. Pkg. Qty.
			Min.	Max.			
AMC-50	3/8"	1/2"	.40"	.62"	.375"	50	500
AMC-5075	1/2"	1/2"	.62"	.92"	.565"	25	250
AMC-52	3/8"	1/2"	.43"	.62"	.560"	25	250
AMC-75	3/4"	3/4"	.566"	.81"	.560"	25	100

 Quick Install

Cable Sizes for E-Z Lock™ Connectors:

- AMC-50: 14/2 to 10/3 Armored or Metal Clad Cable
- AMC-5075: 10/4 to 6/4 Armored or Metal Clad Cable
- AMC-52: 14/2 to 10/3 Armored or Metal Clad Cable
- AMC-75: 10/3 to 6/3 Armored or Metal Clad Cable

Whipper-Snap® Screw-in Connectors



For connecting flexible metal conduit to box or enclosure. Screw connector into conduit and snap into electrical box. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
GF38SP	3/8"	1/2"	100	1000
GF50SP	1/2"	1/2"	100	1000

 Quick Install

Whipper-Snap® Snap-In "U" Shaped Strap Duplex Connectors



For connecting 14/2 (.42" Ø min) to 10/3 (.61" Ø max) AC/MC cable or 3/8" flexible metal conduit to box or enclosure. Connectors simply snap into the electrical box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Suitable for maintaining grounding continuity when installed in accordance with the NEC. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG3838ASP	3/8"	1/2"	20	200

 Quick Install

Whipper-Snap® Snap-In “U” Shaped Strap Connectors



SG38SP

SG38ASP

For connecting 14/4 (.43" Ø min) to 10/3 (.61" Ø max) AC/MC cable or 3/8" flexible metal conduit to box or enclosure. Connector simply snaps into the box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG38SP	3/8"	1/2"	50	500



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG38ASP	3/8"	1/2"	50	500



Whipper-Snap® Snap-In “U” Shaped Strap Connector for MCI-A Cable



For connecting 14/2 (.38" Ø min) to 10/3 (.56" Ø max) steel or aluminum AC or MC Cable or 3/8" steel or aluminum reduced wall flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Connector simply snaps into the box. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG38MCIA	3/8"	1/2"	50	500



Screw-In Connectors, 90°



Used to connect flexible metal conduit to box or enclosure. Sliding cover facilitates wire pulling and inspection.

 File No. E9391. Also, 91-DC2 UL listed for use with XRWFMC.


Zinc Die Cast


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
91-DC2	1/2"	25	250
92-DC2	3/4"	15	150
93-DC2	1"	10	100

Single Screw, Strap Type Connector With Tri-Drive Screw



Used to connect flexible metal conduit to box or enclosure.

 File No. E20534

 File No. LR39354


Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
560-DC2	3/8"	1/2"	50	500

Combination Couplings



Coupling used to join EMT to flexible metal conduit. Screw-in end for flex. Compression end for EMT.

 File No. E9391, also 581-DC UL listed for use with XRWFMC.

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
581-DC	1/2"	50	500
582-DC	3/4"	25	250
583-DC	1"	10	100

Combination Couplings



280-DC



281-DC, 282-DC,
282-DCX, 283-DC




280 & 281



280SP



Set screw type couplings used to join EMT to flexible metal conduit. The patented 280-DC is also listed for use with 14/2 to 10/3 AC/MC/MCI-A and 14/2 to 12/3 nonmetallic cables. Compression end for EMT, two-screw steel strap for flexible metal conduit: 280 & 281. The 280SP is patented Mighty-Merge® design and has set screw end for EMT and snap-in end for flexible metal conduit and 14/2 to 10/4 AC/MC/MCI-A cables.

 File No. E9391: 280-DC, 280SP, 281-DC, 282-DC, 283-DC

Malleable Iron

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
280	1/2"	3/8"	25	100
281	1/2"	1/2"	20	100

Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
280-DC	1/2"	3/8"	25	100
280SP	1/2"	3/8"	25	100
281-DC	1/2"	1/2"	25	250
282-DC	3/4"	3/4"	25	100
282-DCX	3/4"	1/2"	25	100
283-DC	1"	1"	10	100

Squeeze Connectors



403-I



403 thru 412



414 thru 418



419 and 420

To connect flexible metal conduit to box or enclosure.



File No. E9391: All except 403-I



File No. E20534: 403-I



File No. LR39354: 407 thru 420; 407-I thru 420-I

Squeeze Connectors



403-DC2



1/2" thru 2"



2 1/2" thru 4"

To connect flexible metal conduit to box or enclosure.



File No. E9391



File No. No. LR39354: 408-DC2

Malleable Iron

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
403	3/8"	1/2"	50	500
407	1/2"	1/2"	50	200
408	3/4"	3/4"	25	100
410	1"	1"	---	25
412	1 1/4"	1 1/4"	---	25
414	1 1/2"	1 1/2"	---	10
416	2"	2"	---	10
417	2 1/2"	2 1/2"	---	5
418	3"	3"	---	5
419	3 1/2"	3 1/2"	---	5
420	4"	4"	---	5

Malleable Iron / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
403-I	3/8"	1/2"	50	500
407-I	1/2"	1/2"	50	200
408-I	3/4"	3/4"	25	100
410-I	1"	1"	5	25
412-I	1 1/4"	1 1/4"	5	25
414-I	1 1/2"	1 1/2"	2	10
416-I	2"	2"	2	10
417-I	2 1/2"	2 1/2"	1	5
418-I	3"	3"	1	5
419-I	3 1/2"	3 1/2"	1	5
420-I	4"	4"	1	5

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
403-DC2	3/8"	1/2"	50	500
407-DC2	1/2"	1/2"	50	200
408-DC2	3/4"	3/4"	25	100
410-DC2	1"	1"	10	100
412-DC2	1 1/4"	1 1/4"	10	100
414-DC2	1 1/2"	1 1/2"	5	50
416-DC2	2"	2"	---	10
417-DC2	2 1/2"	2 1/2"	---	5
418-DC2	3"	3"	---	5
419-DC2	3 1/2"	3 1/2"	---	5
420-DC2	4"	4"	---	5

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
407-DCI2	1/2"	1/2"	50	200
408-DCI2	3/4"	3/4"	25	100
410-DCI2	1"	1"	10	100
412-DCI2	1 1/4"	1 1/4"	10	100
414-DCI2	1 1/2"	1 1/2"	5	50
416-DCI2	2"	2"	---	10

Set Screw Connectors



507-DC2

USL-120

The 507 and 508 series are straight set screw type fittings used to connect flexible metal (steel) conduit to box or enclosure. The USL-120 is for use with extra flexible steel conduit and is UL recognized for use with listed or certified subassemblies.

 File No. E9391 (507 and 508 series)

 File No. LR39354 (507 and 508 series)

Whipper-Snap® Snap-In Two Screw-Type Connector



Used to connect 3/8" steel or aluminum flexible metal conduit to box or enclosure. Rectangular opening. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. E9391

Screw-In Connectors, Snap-In



Low profile connector for connecting aluminum or steel flexible metal conduit to box or enclosure. Spring steel locking tabs eliminate need for a locknut. Suitable for flexible whips. 539-SS is UL recognized for use with listed or certified subassemblies.

 File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
507-DC2	1/2"	1/2"	50	500
508-DC2	3/4"	3/4"	25	250
USL-120	.645"-.675"	1/2"	100	1000

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
507-DCI2	1/2"	1/2"	50	500
508-DCI2	3/4"	3/4"	25	250

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
840SP	3/8"	1/2"	100	1000



Spring Steel


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
539-SS	5/16"	1/2"	---	2500
540-SS	3/8"	1/2"	---	2500




Screw-In Connectors



For connecting flexible metal conduit to box or enclosure.

 File No. E9391, also 520-DC2, -DCI2 are UL listed for use with XRWFMC.

 File No. No. LR39354: 519 thru 521 - DC2 & -DCI2

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
519-DC2	3/8"	1/2"	100	1000
520-DC2	1/2"	1/2"	100	1000
521-DC2	3/4"	3/4"	50	500
522-DC2	1"	1"	25	250
523-DC2	1 1/4"	1 1/4"	10	100
524-DC2	1 1/2"	1 1/2"	5	50
525-DC2	2"	2"	3	30

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
519-DCI2	3/8"	1/2"	100	1000
520-DCI2	1/2"	1/2"	100	1000
521-DCI2	3/4"	3/4"	50	500
522-DCI2	1"	1"	25	250
523-DCI2	1 1/4"	1 1/4"	10	100
524-DCI2	1 1/2"	1 1/2"	5	50
525-DCI2	2"	2"	3	30

Whipper-Snap® Screw-in Connectors



For connecting flexible metal conduit to box or enclosure. Screw connector into conduit and snap into electrical box. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
GF38SP	3/8"	1/2"	100	1000
GF50SP	1/2"	1/2"	100	1000



Screw-In Couplings



Used to join two lengths of flexible metal conduit.

 File No. E9391, also 530-DC UL listed for use with XRWFMC.

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
530-DC	1/2"	50	500
531-DC	3/4"	50	500
532-DC	1"	10	100
533-DC	1 1/4"	10	100
534-DC	1 1/2"	5	50
535-DC	2"	3	30

Multi-Purpose Connector Two Screw, Strap Type



Used to connect 14/2 to 12/2 nonmetallic sheath cable (NM-B), steel/aluminum 14/2 to 12/2 armored cable (AC), or metal clad (MC) cable, or steel/aluminum 3/8" flexible metal conduit to 1/4" knockout. Will fit 1/4" knockouts with flats, such as used in lighting applications.

 Recognized UL File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
563-DC2	3/8"	1/4"	50	500

Mighty-Merge® Combination Couplings



4057-DC



4058-DC

Couplings used to join 3/4" EMT to flexible metal conduit and AC/MC Cable. The 4057-DC is also listed for MCI-A Cable. Patented.

 File No. E20534

Zinc Die Cast

Catalog Number	EMT Trade Size	FMC Trade Size	Cable Range	Unit Qty.	Std. Pkg.
4057-DC	3/4"	3/8"	14/2 - 10/4 (MC) 12/3 (AC)	25	100
4058-DC	3/4"	1/2"	10/4 - 6/4 (MC) 10/3 - 6/4 (AC)	25	100

Mighty-Merge® Combination Coupling



Coupling used to join duplex 14/2 to 10/3 armored or metal clad cable or 3/8" flexible metal conduit to 3/4" EMT. Set screw type transitional fitting ideal for commercial and institutional facilities. A labor savings, compared to the traditional junction box installation. Simply remove the armor and expose the length of conductors to reach the device box or enclosure. Insert FMC or AC/MC until visible in inspection holes. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented.

 File No. E20534

Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg.
4157-DC	3/4"	3/8"	25	100

E-Z Lock® Connectors - Steel



AMC-50

AMC-5075

AMC-52

Used to connect flexible metal conduit to box or enclosure. Use slotted or Phillips head screwdriver. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Use with anti-short bushing.

 File No. E20534

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Throat Opening	Unit Qty.	Std. Pkg. Qty.
AMC-50	3/8"	1/2"	.375"	50	500
AMC-5075	1/2"	1/2"	.565"	25	250
AMC-52	3/8"	1/2"	.560"	25	250
AMC-75	3/4"	3/4"	.560"	25	100


 Quick Install



Single Screw Strap Connectors



Used to connect flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E9391, E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
BL-17	1/2"	1/2"	50	200
BL-18	3/4"	3/4"	25	100
BL-19	1"	1"	10	100


Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
BL-17I	1/2"	1/2"	50	200
BL-18I	3/4"	3/4"	25	100
BL-19I	1"	1"	10	100

Whipper-Snap® Single Screw, Strap Type Connectors



Used to connect 14/2 (.43" Ø min) to 10/3 (.61" Ø max) armored or metal clad cable or flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
560SP	3/8"	1/2"	50	500

 Quick Install

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
560ASP	3/8"	1/2"	50	500

 Quick Install


“U” Shaped Strap Connectors



571-DC2

571-S

Used to connect steel or aluminum flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
571-DC2	1/2"	1/2"	50	200
572-DC2	3/4"	3/4"	25	100
573-DC2	1"	1"	10	100

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
571-DCI2	1/2"	1/2"	50	200
572-DCI2	3/4"	3/4"	50	100
573-DCI2	1"	1"	25	100

Steel

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
571-S	1/2"	1/2"	50	200
572-S	3/4"	3/4"	25	100
573-S	1"	1"	10	100

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
571-SI	1/2"	1/2"	50	200
572-SI	3/4"	3/4"	25	100
573-SI	1"	1"	10	100

Whipper-Snap® Snap-In “U” Shaped Strap Connectors



SG38SP

SG38ASP

The SG38SP and SG38ASP are for connecting 14/4 to 10/3 AC/MC cable or 3/8" flexible metal conduit to box or enclosure. Connectors simply snap into the box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG38SP	3/8"	1/2"	50	500



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG38ASP	3/8"	1/2"	50	500



Snap Type Connectors



590-DC2

590-DC12

(Back View)

For connecting 14/2 to 10/3 aluminum or steel AC/MC cable or 3/8" flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Push cable or conduit into the connector and install in 1/2" knockout. Redesigned internal spring steel locking ring tabs securely clamp the cable in place and assure bonding. Ring tabs are shaped to accept cable without damage to wire insulation. Patent pending.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
590-DC2	3/8"	1/2"	50	500

 Quick Install

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
590-DC12	3/8"	1/2"	50	500

 Quick Install

Whipper-Snap® Snap-In Connectors



38ASP

380SP

For connecting 14/2 to 10/3 AC/MC Cable or 3/8" flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Push cable or conduit into the connector and snap the connector into the box. Easy push through design eliminates snags and wire insulation damage. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
380SP	3/8"	1/2"	50	500

 Quick Install

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
38ASP	3/8"	1/2"	50	500

 Quick Install

Duplex Connectors





601-DC2

630 & 630-DC2

691-DC2

Strap type fitting used to connect flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

 File No. LR39354: 601-DC2

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
601-DC2	3/8"	1/2"	20	200
630-DC2	3/8"	1/2"	20	200
691-DC2	3/8"	1/2"	20	200

Malleable Iron

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
630	3/8"	1/2"	20	200

Duplex Connectors



600-DC2

602-DC2

Set screw type fitting used to connect flexible metal (steel) conduit to box or enclosure.

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
600-DC2	3/8"	1/2"	25	100
602-DC2	3/8"	1/2"	25	100

Whipper-Snap® Duplex Connectors




3838SP

846SP

3838ASP

The 846SP is a strap type fitting with external spring steel locking tabs that allow the connector to simply snap into the electrical box. Use with 14/2 to 14/4 armored or metal clad cable or 3/8" flexible metal conduit. The 3838ASP and 3838SP are double-snap type connectors for use with 14/2 to 10/2 armored or metal clad cable or 3/8" flexible metal conduit. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Integral internal spring steel locking tabs fasten cable or conduit. External spring steel locking tabs secures connector to electrical box. Suitable for maintaining grounding continuity when installed in accordance with the NEC. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
3838SP	3/8"	1/2"	20	200
846SP	3/8"	1/2"	20	200

 Quick Install

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
3838ASP	3/8"	1/2"	20	200

 Quick Install

Whipper-Snap® Snap-In "U" Shaped Strap Duplex Connectors



For connecting 14/2 to 10/3 AC/MC cable or 3/8" flexible metal conduit to box or enclosure. Connectors simply snap into the electrical box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Suitable for maintaining grounding continuity when installed in accordance with the NEC. Patented Whipper-Snap design.

 File No. E20534


Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG3838ASP	3/8"	1/2"	20	200

Two Screw Strap Type Connectors



Two screw strap type connector used to connect flexible metal conduit to box or enclosure.

 File No. E20534

45° Connectors



Zinc Die Cast



Malleable Iron

45° fitting for connecting flexible metal conduit to box or enclosure.


 File No. E9391

90° Connectors



90° fitting with cover used for connecting flexible metal conduit to box or enclosure.

 File No. E9391

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
653-DC2	1/2"	1/2"	25	100
655-DC2	3/4"	3/4"	20	100
657-DC2	1"	1"	5	25

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
800-DC2	3/8"	1/2"	25	100
803-DC2	1/2"	1/2"	25	100

Malleable Iron

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
800	3/8"	1/2"	25	100
803	1/2"	1/2"	10	100

Malleable Iron

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
801	3/8"	1/2"	50	200
804	1/2"	1/2"	25	100
806	3/4"	3/4"	10	50

Malleable Iron / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
801-I	3/8"	1/2"	50	200
804-I	1/2"	1/2"	25	100
806-I	3/4"	3/4"	10	50

90° Connectors



90° fitting with cover used for connecting flexible metal conduit to box or enclosure.

File No. E9391

File No. LR39354: 807 thru 811;
807-I thru 811-I

Malleable Iron

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
807	1"	1"	5	25
808	1 1/4"	1 1/4"	---	10
809	1 1/2"	1 1/2"	---	5
810	2"	2"	---	5
811	2 1/2"	2 1/2"	---	5
812	3"	3"	---	5
813	3 1/2"	3 1/2"	---	1
814	4"	4"	---	1

Malleable Iron / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
807-I	1"	1"	5	25
808-I	1 1/4"	1 1/4"	2	10
809-I	1 1/2"	1 1/2"	1	5
810-I	2"	2"	1	5
811-I	2 1/2"	2 1/2"	1	5
812-I	3"	3"	1	5
813-I	3 1/2"	3 1/2"	---	1
814-I	4"	4"	---	1

90° Connectors



3/8" thru 2"



Over 2"

90° fitting with cover used for connecting flexible metal conduit to box or enclosure. 804- thru 808- DC2 & DCI2 also suitable for use with armored cable.

File No. E9391: 801-, 809-, 810-DC2 & DCI2

File No. E20534: 804-, 806-, 807-, 808-DC2 & DCI2

File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Range		Unit. Qty.	Std. Pkg. Qty.
			Min.	Max.		
801-DC2	3/8"	1/2"	---	---	25	250
804-DC2	1/2"	1/2"	.750"	.875"	25	100
806-DC2	3/4"	3/4"	.875"	1.000"	10	50
807-DC2	1"	1"	1.187"	1.312"	---	25
808-DC2	1 1/4"	1 1/4"	1.500"	1.625"	---	25
809-DC2	1 1/2"	1 1/2"	---	---	---	5
810-DC2	2"	2"	---	---	---	5
811-DC2	2 1/2"	2 1/2"	---	---	---	5
812-DC2	3"	3"	---	---	---	5
813-DC2	3 1/2"	3 1/2"	---	---	---	1
814-DC2	4"	4"	---	---	---	1

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Range		Unit. Qty.	Std. Pkg. Qty.
			Min.	Max.		
801-DCI2	3/8"	1/2"	---	---	25	250
804-DCI2	1/2"	1/2"	.750"	.875"	25	100
806-DCI2	3/4"	3/4"	.875"	1.000"	10	50
807-DCI2	1"	1"	1.187"	1.312"	---	25
808-DCI2	1 1/4"	1 1/4"	1.500"	1.625"	---	25
809-DCI2	1 1/2"	1 1/2"	---	---	---	5
810-DCI2	2"	2"	---	---	---	5


Single Screw 90° Connectors Locknut & Whipper-Snap® Designs




802-DC2

802SP

90° fitting with cover used for connecting flexible metal conduit to box or enclosure. Single screw design save time and money. Units with Whipper-Snap design snap into electrical box! Patented Whipper-Snap design.

 File No. E20534: 802ASP, 802-DC2,
802-DC12, 802SP

 File No. E9391: 851ASP, 851-DC2,
851-DC12, 851SP

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802-DC2	3/8"	1/2"	25	250
851-DC2	1/2"	1/2"	25	100

 Quick Install

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802ASP	3/8"	1/2"	25	250
802-DC12	3/8"	1/2"	25	250
851ASP	1/2"	1/2"	25	100
851-DC12	1/2"	1/2"	25	100

 Quick Install

Whipper-Snap® Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802SP	3/8"	1/2"	25	250
851SP	1/2"	1/2"	25	100

 Quick Install

Duplex Connectors, 90°




Malleable

Zinc

90° fitting with steel cover used to connect flexible metal conduit to box or enclosure.

 File No. E20534: 830-DC2

 File No. E9391: 830

Malleable Iron

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
830	3/8"	1/2"	25	100


Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
830-DC2	3/8"	1/2"	25	100

Whipper-Snap® 90° Duplex Connectors



90° fitting with steel cover used to connect 14/4 (.44" Ø min) to 10/3 (.61" Ø max) steel or aluminum armored cable or 3/8" flexible metal conduit to box or enclosure. Simply snap connector into electrical box! External spring steel locking tabs secures connector.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
84690SP	3/8"	1/2"	25	100



Whipper-Snap® 90° Connector Double Screw Design



Simply snap connector into electrical box. External spring steel locking tabs secures connector to electrical box. Patented Whipper-Snap design.

 File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
850SP	3/8"	1/2"	25	250



One Hole Straps



Snap-on type strap used to support flexible metal conduit, armored cable, or metal clad cable.

 File No. E161206

Steel

Catalog Number	FMC Trade Size	Unit Qty.	Std. Pkg. Qty.
900-F	3/8"	100	1000

Mighty-Hold® Universal Straps



For steel or aluminum AC/MC/MCI-A cable .43" - .61" O.D.
For steel or aluminum 3/8" FMC .210 hole size. Supports multiple sizes. Patented.

Steel

Catalog Number	FMC Trade Size	AC/MC Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
US-4461	3/8"	.43"	.61"	100	1000

Squeeze Connectors



Used to connect 12/3 to 10/3 armored or metal clad cable to box or enclosure.

 File No. E9391

Zinc Die Cast

Catalog Number	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
403-DC2	1/2"	.56"	.61"	50	500
407-DC2	1/2"	.86"	.92"	50	200

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	K.O. Size	Armored Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
407-DCI2	1/2"	.86"	.92"	50	200

Set Screw Connector



Used to connect .47" Ø to .57" Ø steel armored cable or 12/2 to 10/2 steel metal clad cable to box or enclosure.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
501-DC2	3/8"	1/2"	.43"	.61"	100	1000

Whipper-Snap® Snap-In Set Screw Connectors




845SP



845ASP

Used to connect 14/2 (.43" Ø min) to 10/3 (.61" Ø max) steel or aluminum AC or steel or aluminum MC cable to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. To install, tighten screw between convolutions in cable. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
845SP	3/8"	1/2"	.43"	.61"	100	1000

 Quick Install

Zinc Die Cast / Insulated Throat - 105°C


Catalog Number	Trade Size	K.O. Size	Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
845ASP	3/8"	1/2"	.43"	.61"	100	1000

 Quick Install

Single Screw Strap Type Connectors



Single screw, hinged strap type connector used to connect 14/2 (.44" Ø min) to 10/3 (.61" Ø max) steel or aluminum armored or metal clad cable to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Range		Unit. Qty.	Std. Pkg. Qty.
			Min.	Max.		
545-DC2	3/8"	1/2"	.44"	.61"	100	1000

Single Screw, Strap Type Connectors With Tri-Drive Screw





560-DC2



560-DCI2

Used to connect armored or metal clad cable to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Metal Clad Cable Range		Unit. Qty.	Std. Pkg. Qty.
			Min.	Max.		
560-DC2	3/8"	1/2"	.44"	.61"	50	500
561-DC2	3/4"	3/4"	.61"	.87"	50	500

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Metal Clad Cable Range		Unit. Qty.	Std. Pkg. Qty.
			Min.	Max.		
560-DCI2	3/8"	1/2"	.44"	.61"	50	500
561-DCI2	3/4"	3/4"	.61"	.87"	50	500

General Cable Sizes

Catalog Number	General Cable Sizes
560-DC2, -DCI2	12/2 to 10/4
561-DC2, -DCI2	10/4 to 8/3

Whipper-Snap® Single Screw Strap Type Connectors



560SP

560ASP

Used to connect 14/2 (.44" Ø min) to 10/3 (.61" Ø max) armored or metal clad cable or flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

File No. E20534

Whipper-Snap® Single Screw Strap Type Connector for MCI-A Cable



For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

File No. E20534

Multi-Purpose Connector Two Screw, Strap Type



Used to connect 14/2 to 12/2 nonmetallic sheath cable (NM-B), steel/aluminum 14/2 to 12/2 armored cable (AC), or metal clad (MC) cable, or steel/aluminum 3/8" flexible metal conduit to 1/4" knockout. Will fit 1/4" knockouts with flats, such as used in lighting applications.

Recognized UL File No. E9391

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
560SP	3/8"	1/2"	.43"	.61"	50	500

Quick Install

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
560ASP	3/8"	1/2"	.43"	.61"	50	500

Quick Install

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
560MCIA	3/8"	1/2"	.38"	.55"	50	500

Quick Install

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
563-DC2	3/8"	1/4"	50	500

Combination Couplings



280-DC

280SP

Couplings used to join EMT to flexible metal conduit and AC/MC cable. The patented 280-DC has a steel strap and is also listed for use with 14/2 to 10/3 AC/MC/MCI-A and for 14/2 to 12/3 nonmetallic cables. The 280SP is patented Mighty-Merge® design and has set screw end for EMT and snap-in end for flexible metal conduit and 14/2 to 10/4 AC/MC/MCI-A cables.

 File No. E9391

Zinc Die Cast

Catalog Number	EMT Trade Size	Trade Size	Unit Qty.	Std. Pkg. Qty.
280-DC	1/2"	3/8"	25	100
280SP	1/2"	3/8"	25	100



Mighty-Merge® Combination Couplings



4057-DC

4058-DC

Couplings used to join 3/4" EMT to flexible metal conduit and AC/MC Cable. The 4057-DC is also listed for MCI-A Cable. Patented.

 File No. E9391

Zinc Die Cast

Catalog Number	EMT Trade Size	FMC Trade Size	Cable Range	Unit Qty.	Std. Pkg.
4057-DC	3/4"	3/8"	14/2 - 10/4 (MC) 12/3 (AC)	25	100
4058-DC	3/4"	1/2"	10/4 - 6/4 (MC) 10/3 - 6/4 (AC)	25	100

Mighty-Merge® Combination Coupling



Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg.
4157-DC	3/4"	3/8"	25	100

Coupling used to join duplex 14/2 (.42" Ø min) to 10/3 (.61" Ø max) armored or metal clad cable or 3/8" flexible metal conduit to 3/4" EMT. Set screw type transitional fitting ideal for commercial and institutional facilities. A labor savings, compared to the traditional junction box installation. Simply remove the armor and expose the length of conductors to reach the device box or enclosure. Insert FMC or AC/MC until visible in inspection holes. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented.

 File No. E20534

Two Screw, Strap Type Connector



565-DC2

566-DC2

The 565-DC2 is for connecting 14/2 to 10/3 armored or metal clad cable to box or enclosure. The 566-DC2 is for connecting 12/2 to 10/3 armored or metal clad cable. The 565-DC2 is listed for MC/MCI-A; the 566-DC2 is listed for AC/MC/MCI-A. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

Zinc Die Cast

Catalog Number	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
565-DC2	1/2"	.38"	.53"	100	1000
566-DC2	1/2"	.44"	.53"	100	1000


Low Profile "U" Shaped Strap Connectors



570-DC2

570-DC12

Used to connect 14/2 to 10/3 armored and metal clad cable to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
570-DC2	3/8"	1/2"	.38"	.61"	50	500

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
570-DC12	3/8"	1/2"	.38"	.61"	50	500

Whipper-Snap® Snap-In "U" Shaped Strap Connector for MCI-A Cable



Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.



For connecting 14/2 (.38" Ø min) to 10/3 (.56" Ø max) steel or aluminum AC or MC Cable or 3/8" steel or aluminum reduced wall flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Connector simply snaps into the box. Patented Whipper-Snap design.

 File No. E20534

Whipper-Snap® Snap-In “U” Shaped Strap Connectors



SG38SP

SG38ASP

The SG38SP and SG38ASP are for connecting 14/4 to 10/3 AC/MC cable or 3/8" flexible metal conduit to box or enclosure. Connectors simply snap into the box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG38SP	3/8"	1/2"	50	500



Zinc Die Cast / Insulated Throat - 105°C


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG38ASP	3/8"	1/2"	50	500



HCF Cable Color-Coded Connectors



Suitable for use with steel or aluminum 14/2 (.38" Ø min) to 10/3 (.61" Ø max) Health Care Facilities (HCF) armored cable. Green color for all green cable. Patented.

 File No. E20534


Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Color	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
570-GI	Green	3/8"	1/2"	50	500

Fire Alarm Cable Color-Coded Connectors



Suitable for use with 18/2 (.38" Ø min) to 12/4 (.61" Ø max) solid TFN or THHN, or 18-2 to 14-2 (.41"-.61" diameter) solid twisted pairs red-colored Fire Alarm MC Cable. Patented.

 File No. E20534

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Color	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
570-RI	Red	3/8"	1/2"	50	500

E-Z Lock® Connectors - Steel



AMC-50

AMC-5075

AMC-52

Used to connect armored or metal clad cable to box or enclosure. Use slotted, Phillips or Robertson head screwdriver. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Use with anti-short bushing.

 File No. E20534

Single Screw Strap Connectors



The BL-17 is used to connect 8/3 AC90 cable. The BL-18 is used to connect 6/3 AC90 and the BL-19 is used to connect 3/3 AC90 to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E9391, E20534

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Cable Range		Throat Opening	Unit Qty.	Std. Pkg. Qty.
			Min.	Max.			
AMC-50	3/8"	1/2"	.40"	.62"	.375"	50	500
AMC-5075	1/2"	1/2"	.62"	.92"	.565"	25	250
AMC-52	3/8"	1/2"	.43"	.62"	.560"	25	250
AMC-75	3/4"	3/4"	.56"	.81"	.560"	25	100



Cable Sizes for E-Z Lock™ Connectors:

- AMC-50: 14/2 to 10/3 Armored or Metal Clad Cable
- AMC-5075: 10/4 to 6/4 Armored or Metal Clad Cable
- AMC-52: 14/2 to 10/3 Armored or Metal Clad Cable
- AMC-75: 10/3 to 6/3 Armored or Metal Clad Cable

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
BL-17	1/2"	1/2"	50	200
BL-18	3/4"	3/4"	25	100
BL-19	1"	1"	10	100

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
BL-17I	1/2"	1/2"	50	200
BL-18I	3/4"	3/4"	25	100
BL-19I	1"	1"	10	100

Single Screw Strap Connector for MCI-A Cable



For connecting 14/2 (.38" Ø min) to 10/3 (.61" Ø max) steel or aluminum AC/MC Cable or 3/8" steel or aluminum flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
560-MCIA2	3/8"	1/2"	.50	500

"U" Shaped Strap Connectors




571-DC2



571-S

Used to connect armored and metal clad cable to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	Cable Size	AC/MC Range		Unit. Qty.	Std Pkg. Qty.
			Min.	Max.		
571-DC2	1/2"	8/3, 6/3	.70"	.855"	50	200
572-DC2	3/4"	4/3, 3/4	.945"	1.035"	25	100
573-DC2	1"	2/3, 3-2/0	1.18"	1.35"	10	100

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	Cable Size	AC/MC Range		Unit. Qty.	Std Pkg. Qty.
			Min.	Max.		
571-DCI2	1/2"	8/3, 6/3	.70"	.855"	50	200
572-DCI2	3/4"	4/3, 3/4	.945"	1.035"	25	100
573-DCI2	1"	2/3, 3-2/0	1.18"	1.35"	10	100

Steel

Catalog Number	Trade Size	Cable Size	AC/MC Range		Unit. Qty.	Std Pkg. Qty.
			Min.	Max.		
571-S	1/2"	8/3, 6/3	.701"	.855"	50	200
572-S	3/4"	4/3	.945"	1.035"	25	100
573-S	1"	2/3, 3-2/0	1.18"	1.35"	10	100

Steel / Insulated Throat - 105°C

Catalog Number	Trade Size	Cable Size	AC/MC Range		Unit. Qty.	Std Pkg. Qty.
			Min.	Max.		
571-SI	1/2"	8/3, 6/3	.701"	.855"	50	200
572-SI	3/4"	4/3	.945"	1.035"	25	100
573-SI	1"	2/3, 3-2/0	1.18"	1.35"	10	100

Snap Type Connectors



590-DC2

590-DC12

590-DC2
(Back View)

For connecting 14/2 (.43" Ø min) to 10/3 (.61" Ø max) aluminum or steel AC/MC cable or 3/8" flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Push cable or conduit into the connector and install in 1/2" knockout. Internal spring steel locking ring tabs securely clamp the cable in place and assure bonding. Ring tabs are shaped to accept cable without damage to wire insulation. Patent pending.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
590-DC2	3/8"	1/2"	50	500



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
590-DC12	3/8"	1/2"	50	500



Whipper-Snap® Snap-In Connectors



38ASP

380SP

For connecting 14/2 (.43" Ø min) to 10/3 (.61" Ø max) AC/MC cable or 3/8" flexible metal conduit to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Push cable or conduit into the connector and snap the connector into the box. Easy push through design eliminates snags and wire insulation damage. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
380SP	3/8"	1/2"	50	500



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
38ASP	3/8"	1/2"	50	500



Mighty-Seal® PVC Jacketed MC and TECK Cable Connectors



CONCRETE TIGHT RAIN TIGHT

The 595 series connectors are for connecting 12/2 to 10/3 PVC jacketed MC cable (parking deck/lot cable) or 14/2, 14/3, 12/2 TECK Cable with .610" maximum armor and .720" maximum jacket to box or enclosure. The 596 series connectors are for connecting 10/4 to 8/3 PVC jacketed MC cable or 14/3 thru 10/3 TECK Cable with .685" maximum armor and .800" maximum jacket. Simply strip 7/8" to 1" of jacket from end of cable, loosen nut, and push cable into connector until cable reaches end stop. Tighten nut for raintight connection. Knockout gasket provides positive seal at 1/2" K.O. NPT tapered threads permits installation in threaded boxes. The 595-DC2C and 596-DC2C have a polyolefin coating and are listed for direct burial. Concrete tight. Patented.

 File No. E20534 (except 595 and 596-DC2C)

 Listed: 595-DC2C and 596-DC2C


Duplex Connectors




601-DC2

691-DC2

For connecting 14/2 to 10/3 armored or metal clad cable to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
595-DC2*	3/8"	1/2"	15	60
596-DC2	1/2"	1/2"	15	60



Zinc Die Cast / Insulated Throat - 90°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
595-DCI2*	3/8"	1/2"	15	60
596-DCI2	1/2"	1/2"	15	60

Zinc Die Cast / Polyolefin Coating

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
595-DC2C	3/8"	1/2"	10	40
596-DC2C	1/2"	1/2"	15	60



* Also available in 90° version as 895-DC2 and 895-DCI2

Zinc Die Cast

Catalog Number	K.O. Size	Metal Clad Range Min.	Max.	Unit Qty.	Std. Pkg. Qty.
601-DC2	1/2"	.375"	.625"	20	200
691-DC2	1/2"	.42"	.61"	20	200

Whipper-Snap® Duplex Connectors



3838SP

846SP

3838ASP

The 846SP is a strap type fitting with external spring steel locking tabs that allow the connector to simply snap into the electrical box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

The 3838ASP and 3838SP are double-snap type connectors. Simply snap cables into connector and snap assembly into electrical box. No tools required! Use the 846SP with 14/2 (.38" Ø min) to 10/4 (.625" Ø max), the 3838SP with 14/2 (.38" Ø min) to 10/2 (.59" Ø max) and the 3838ASP with 14/2 (.38" Ø min) to 10/2 (.59" Ø max) armored or metal clad cable or 3/8" flexible metal conduit. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Integral internal spring steel locking tabs fasten cable or conduit. External spring steel locking tabs secures connector to electrical box. Suitable for maintaining grounding continuity when installed in accordance with the NEC. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
3838SP	3/8"	1/2"	20	200
846SP	3/8"	1/2"	20	200



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
3838ASP	3/8"	1/2"	20	200



Whipper-Snap® Snap-In "U" Shaped Strap Duplex Connectors



For connecting 14/2 (.42" Ø min) to 10/3 (.61" Ø max) AC/MC cable or 3/8" flexible metal conduit to box or enclosure. Connectors simply snap into the electrical box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Suitable for maintaining grounding continuity when installed in accordance with the NEC. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast / Insulated Throat - 105°C


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
SG3838ASP	3/8"	1/2"	20	200



Two Screw Strap Type Connectors



653-DC2 used to connect aluminum or steel AC cable or flexible metal conduit to box or enclosure. 655-DC2, 657-DC2 used to connect aluminum or steel AC/MC cable or flexible metal conduit to box or enclosure.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
653-DC2	1/2"	1/2"	.675"	.90"	25	100
655-DC2	3/4"	3/4"	.85"	1.10"	20	100
657-DC2	1"	1"	1.03"	1.31"	5	25

Two Screw Strap Type Connectors




683-DC2

683-DCI2

683-DCX2

Used to connect metal clad cable to box or enclosure.

 File No. E20534: 682-DC2

 File No. E202876: 683-DC2 thru 686-DC2; 683-DCI2 thru 689-DCI2 and 683-DCX2 thru 689-DCX2

 File No. E191676: 687-DC2 thru 689-DC2

Zinc Die Cast (Round Opening) / Insulated Throat - 105°C

Catalog Number	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
683-DCI2	1"	.750"	1.040"	10	100
684-DCI2	1 1/4"	1.100"	1.250"	10	100
685-DCI2	1 1/2"	1.250"	1.500"	5	25
686-DCI2	2"	1.750"	2.000"	2	10
687-DCI2	2 1/2"	2.000"	2.500"	1	5
688-DCI2	3"	2.375"	3.000"	1	5
689-DCI2	3 1/2"	2.750"	3.500"	1	5

Zinc Die Cast (Rectangular Opening)

Catalog Number	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
683-DCX2	1"	.875"	1.040"	10	100
684-DCX2	1 1/4"	1.100"	1.250"	10	100
685-DCX2	1 1/2"	1.250"	1.500"	5	25
686-DCX2	2"	1.500"	1.850"	2	10
687-DCX2	2 1/2"	2.000"	2.500"	1	5
688-DCX2	3"	2.375"	3.000"	1	5
689-DCX2	3 1/2"	2.750"	3.500"	1	5

Zinc Die Cast (Round Opening)


Catalog Number	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
682-DC2	3/4"	.575"	.875"	10	100
683-DC2	1"	.875"	1.040"	10	100
684-DC2	1 1/4"	1.100"	1.250"	10	100
685-DC2	1 1/2"	1.250"	1.500"	5	25
686-DC2	2"	1.750"	2.000"	2	10
687-DC2	2 1/2"	2.000"	2.500"	1	5
688-DC2	3"	2.375"	3.000"	1	5
689-DC2	3 1/2"	2.750"	3.500"	1	5



Four Screw Strap Type Connectors



Used to connect metal clad cable to box or enclosure.

 File No. E202876


Malleable Iron (Rectangular Opening)

Catalog Number	K.O. Size	Min.	Max.	Unit Qty.	Std. Pkg. Qty.
683-XM	1"	.81"	1.05"	10	100
684-XM	1 1/4"	1.05"	1.27"	10	100
685-XM	1 1/2"	1.27"	1.4"	5	25
686-XM	2"	1.4"	1.94"	2	10
687-XM	2 1/2"	1.94"	2.4"	1	5
688-XM	3"	2.4"	2.9"	1	5
689-XM	3 1/2"	2.6"	3.2"	1	5

90° Duplex Connector



90° fitting with steel cover used to connect 12/2 (.44" Ø min) to 10/3 (.61" Ø max) steel or aluminum armored cable to box or enclosure.

 File No. E20534


Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
830-DC2	3/8"	1/2"	25	100

Whipper-Snap® 90° Duplex Connectors



90° fitting with steel cover used to connect 14/4 (.44" Ø min) to 10/3 (.61" Ø max) steel or aluminum armored cable or 3/8" flexible metal conduit to box or enclosure. Simply snap connector into electrical box! External spring steel locking tabs secures connector. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
84690SP	3/8"	1/2"	25	100



Whipper-Snap® Snap-In Two Screw Strap Type Connector



For connecting 14/2 (.44" Ø min) to 10/3 (.61" Ø max) steel or aluminum AC/MC cable. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. 20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
840SP	3/8"	1/2"	100	1000



Whipper-Snap® Two Screw Strap Type Connector



For connecting 14/2 (.44" Ø min) to 10/3 (.61" Ø max) AC/MC cable to box or enclosure. Connector simply snaps into the box. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
8400SP	3/8"	1/2"	100	1000



Whipper-Snap® Two Screw Strap Type Connector for MCI-A Cable



For connecting 14/2 (.38" Ø min) to 10/3 (.525" Ø min) to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Connector simply snaps into the box. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
8400ASP	3/8"	1/2"	100	1000



90° Connectors



90° fitting with cover for connecting armored or metal clad cable to box or enclosure.

File No. E9391: 801-DC2 and 801-DC12

File No. E20534: 804-, 806-, 807-, 808-DC2 & DC12

File No. LR39354

Single Screw 90° Connectors-Locknut and Whipper-Snap® Designs



802-DC2



802SP

90° fitting with cover used for connecting 12/2 (.48" Ø min) to 10/3 (.58" Ø max) AC/MC cable to box or enclosure. Single screw design saves time and money. Connectors with patented Whipper-Snap design snap into electrical box! For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

File No. E202876

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
801-DC2	3/8"	1/2"	.450"	.625"	25	250
804-DC2	1/2"	1/2"	.750"	.875"	25	100
806-DC2	3/4"	3/4"	.875"	1.000"	10	50
807-DC2	1"	1"	1.187"	1.312"	---	25
808-DC2	1 1/4"	1 1/4"	1.500"	1.625"	---	25

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
801-DC12	3/8"	1/2"	.450"	.625"	25	250
804-DC12	1/2"	1/2"	.750"	.875"	25	100
806-DC12	3/4"	3/4"	.875"	1.000"	10	50
807-DC12	1"	1"	1.187"	1.312"	---	25
808-DC12	1 1/4"	1 1/4"	1.500"	1.625"	---	25

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802-DC2	3/8"	1/2"	25	250
802-MCIA2	3/8"	1/2"	25	250



Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802-DC12	3/8"	1/2"	25	250



Whipper-Snap® Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802ASP	3/8"	1/2"	25	250



Whipper-Snap® Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802SP	3/8"	1/2"	25	250
802MCIA	3/8"	1/2"	25	250



Whipper-Snap® 90° Connector Double Screw Design



Used for connecting 12/2 (.55" Ø min) to 10/3 (.61" Ø max) AC/MC cable to box or enclosure. Simply snap connector into electrical box. External spring steel locking tabs secures connector to electrical box. Patented Whipper-Snap design.

 File No. E20534

Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
850SP	3/8"	1/2"	25	250



One Hole Straps



Snap-on type strap used to support flexible metal conduit, armored cable, or metal clad cable.

 File No. E161206

Steel

Catalog Number	Cable Size	FMC Trade Size	AC/MC Range		Unit. Qty.	Std. Pkg. Qty.
			Min.	Max.		
890-MC	14/2, 12/2	---	.475"	.525"	100	1000
891-MC	14/3, 12/3	---	.540"	.590"	100	1000
900-F	12/4, 10/2, 10/3	3/8"	.560"	.610"	100	1000

Mighty-Hold® Universal Strap



For PVC jacketed steel MCI-A cable .55" - .71" O.D. .210 hole size. Suitable for use in wet locations. Supports multiple sizes. Stainless Steel. Patented.

Stainless Steel

Catalog Number	Cable Size	AC/MC Range Min.	AC/MC Range Max.	Unit. Qty.	Std. Pkg. Qty.
USS-6171	12/2, 10/3	.55"	.71"	100	1000

Mighty-Hold® Universal Straps



For steel or aluminum AC/MC/MCI-A cable
.43" - .61" O.D. For steel or aluminum 3/8"
FMC .210 hole size. Supports multiple sizes.
Patented.


Steel


Catalog Number	FMC Trade Size	AC/MC Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
US-4461	3/8"	.43"	.61"	100	1000

Anti-Short Bushings "Redheads"



"Redheads" prevent damage to wire insulation
when placed between the wire and armored sheath.

 File No. E11259

 File No. LR24719M5

Polyethylene - 90°C

Catalog Number	Trade Size	Cable Size	FMC Trade Size	Unit Qty.	Std. Pkg Qty.
1000	0	14/2, 14/3, 12/2	5/16"	50	7000
1001	1	14/4, 12/3, 6/1, 4/1	3/8"	50	3500
1002	2	12/4, 10/2, 10/3, 2/1	---	50	7000
1003	3	10/4, 8/2, 8/3, 1/1	1/2"	20	2000
1004	4	8/4, 6/2, 6/3, 4/2, 4/3, 6/4	3/4"	20	1600
1005	5	---	1"	25	100
1006	6	---	1 1/4"	10	40
1007	7	---	1 1/2"	10	40
1008	8	---	2" - 2 1/2"	10	40

AC/MC Cable Bracket



Positions maximum of (4) 14/2, 14/3, 14/4, 12/2 or 12/3 AC or MC cables. Galvanized steel construction. Convenient slot and hole for attaching to stud with nails or screws.

 File No. E161206

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
895-MC	---	50	500

Cable Supports




NMCB-1



NMCB-3

NMCB-1 positions maximum of (6) 14/2 to 10/3 NM-B cables or (4) 14/2 to 12/2 AC or MC cables. Also suitable for use with low voltage cabling to 3/8" diameter. Furnished with (2) #8 screws for use on wood or steel stud. Complies with NEC Articles 300.4(D) and 320.23(B). Patented.

NMCB-3 is provided with nails for use on wood studs or 3/4" thick furring strips to position up to five 14/2 to 10/3 AC or MC cables. May also be attached to metal studs or enclosures, or concrete block with #6 round head screws. Mounts in either horizontal or vertical direction. Low profile design and unique dimpled slots prevent accidental removal of cables. Patented.

 File No. E161206

Polypropylene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
NMCB-1	---	25	100
NMCB-3	---	25	100

Combination Couplings



Compression end for EMT; two-screw steel strap for flexible metal conduit.

Malleable Iron

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
280	1/2"	3/8"	25	100
281	1/2"	1/2"	20	100

Combination Couplings



280SP

280-DC

281-DC, 282-DC,
282-DCX, 283-DC




Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
280-DC	1/2"	3/8"	25	100
280SP	1/2"	3/8"	25	100
281-DC	1/2"	1/2"	25	250
282-DC	3/4"	3/4"	25	100
282-DCX	3/4"	1/2"	25	100
283-DC	1"	1"	10	100



Set screw type couplings used to join EMT to flexible metal conduit. The patented 280-DC has a steel strap and is also listed for use with 14/2 to 10/3 AC/MC/MCI-A cable as well as 14/2 to 12/3 nonmetallic cables. The 280SP is patented Mighty-Merge® design and has set screw end for EMT and snap-in end for flexible metal conduit and 14/2 to 10/4 AC/MC/MCI-A cables.

 File No. E9391: 280-DC, 280SP, 281-DC, 282-DC, 283-DC


Combination Couplings



Zinc Die Cast

Steel

Set screw type fitting used to join EMT to rigid or IMC. Concrete-tight. Furnished with Tri-Drive slot/Phillips/Robertson head screws.

 File No. E9391: 290-S thru 292-S

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
290-DC	1/2"	50	200
291-DC	3/4"	25	100
292-DC	1"	25	100

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
290-S	1/2"	25	100
291-S	3/4"	25	100
292-S	1"	10	50

Mighty-Merge® Raintight Combination Couplings



Couplings used to transition EMT to rigid for a secure raintight/wet location seal. Patented.

Listed

Zinc Die Cast

Catalog Number	EMT Trade Size	Rigid Trade Size	Unit Qty.	Std. Pkg. Qty.
290-RT	1/2"	1/2"	25	100
291-RT	3/4"	3/4"	25	100
292-RT	1"	1"	10	50

Combination Couplings



Used to join rigid or IMC to EMT. Coupling internally threaded for rigid / IMC. Compression type for EMT. Concrete-tight.

File No. E9391: 292-MS

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
290-MS	1/2"	25	100
291-MS	3/4"	25	100
292-MS	1"	10	50

Combination Couplings



Coupling used to join EMT to flexible metal conduit. Screw-in end for flex. Compression end for EMT.

 File No. E9391, also 581-DC UL listed for use with XRWFMC.

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
581-DC	1/2"	50	500
582-DC	3/4"	25	250
583-DC	1"	10	100

Mighty-Merge® Combination Couplings



4057-DC



4058-DC

Couplings used to join EMT to flexible metal conduit and AC/MC cable. The 4057-DC is also listed for MCI-A cable. Patented.

 File No. E20534

Zinc Die Cast

Catalog Number	EMT Trade Size	FMC Trade Size	Cable Range	Unit Qty.	Std. Pkg. Qty.
4057-DC	3/4"	3/8"	14/2 - 10/4 (MC) 12/3 (AC)	25	100
4058-DC	3/4"	1/2"	10/4 - 6/4 (MC) 10/3 - 6/4 (AC)	25	100

Mighty-Merge® Combination Couplings



Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
4157-DC	3/4"	3/8"	25	100

Coupling used to join duplex 14/2 (.42" Ø min) to 10/3 (.61" Ø max) armored or metal clad cable or 3/8" flexible metal conduit to 3/4" EMT. Set screw type transitional fitting ideal for commercial and institutional facilities. A labor savings, compared to the traditional junction box installation. Simply remove the armor and expose the length of conductors to reach the device box or enclosure. Insert FMC or AC/MC until visible in inspection holes. For MCI-A cables refer to cable connector compatibility charts in the technical guide section. Patented.

 File No. E20534

Mighty-Merge® Two-to-One Combination Couplings



Used to join two lengths of EMT conduit into one. The 4256-DC joins two 1/2" EMT to one 3/4" EMT. The 4258-DC joins two 3/4" EMT to 1" EMT. Patented.

File No. E20534

Zinc Die Cast

Catalog Number	EMT Trade Size	Unit Qty.	Std. Pkg. Qty.
4256-DC	1/2" to 3/4"	10	40
4258-DC	3/4" to 1"	10	40

Combination Couplings



Coupling used to join either metallic or nonmetallic (Type "B") liquid tight to EMT. Concrete-tight. UL listed "Raintight".

File No. E24001

File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
4360-DC	1/2"	25	100
4361-DC	3/4"	10	50

Combination Couplings



Used to join rigid or IMC to liquid tight flexible metal conduit.

File No. E9391

Malleable Iron

Catalog Number	Trade Size (LT to Rigid)	Unit Qty.	Std. Pkg. Qty.
4369-LT	3/8" - 1/2"	25	125
4370-LT	1/2" - 1/2"	20	100
4371-LT	3/4" - 3/4"	10	50
4372-LT	1" - 1"	5	25
4373-LT	1 1/4" - 1 1/4"	4	20
4374-LT	1 1/2" - 1 1/2"	3	15
4375-LT	2" - 2"	2	10

Combination Couplings



Set screw type couplings used to join EMT to nonmetallic cable. Steel strap. Patented.

File No. E9391

Zinc Die Cast

Catalog Number	Nonmetallic Cable Range	Unit Qty.	Std. Pkg. Qty.
280-DC	(2) 14/2 (1) 12/3	25	100

Single Screw Strap Type Connector With Tri-Drive Screw



For connecting 14/2 to 10/2 nonmetallic cable to box or enclosure.

File No. E20534

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
560-DC2	3/8"	1/2"	50	500

Multi-Purpose Connector Two Screw, Strap Type



Used to connect 14/2 to 12/2 nonmetallic sheath cable (NM-B), steel/aluminum 14/2 to 12/2 armored cable (AC), or metal clad (MC) cable, or steel/aluminum 3/8" flexible metal conduit to 1/4" knockout. Will fit 1/4" knockouts with flats, such as used in lighting applications.

Recognized UL File No. E9391


Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
563-DC2	3/8"	1/4"	50	500

Duplex Connector



Strap type fitting used to connect 14/2 to 10/3 nonmetallic cable to box or enclosure. For MCI-A cables refer to cable connector compatibility charts in the technical guide section.

 File No. E20534

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
601-DC2	3/8"	1/2"	20	200

PVC "Snap-In" Type Connectors




616-NMD





617-NMD

For connecting nonmetallic cable to box or enclosure. Locknut not required.

 File No. E11698


PVC


Catalog Number	K.O. Size	Nonmetallic Cable Range Min. Max.	Unit Qty.	Std. Pkg. Qty.
616-NMD	1/2"	One 14/2 to 6/2 Two 14/2 to 12/3 In Any Combination	100	1000
				
617-NMD	3/4"	One 8/2, 8/3, 6/2, 6/3	50	500
				

PVC “Snap-In” Type Connectors





For connecting nonmetallic cable to box or enclosure. Locknut not required.

 File No. E11698

 File No. LR74878

PVC

Catalog Number	K.O. Size	Nonmetallic Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
620-NM 	1/2"	14/2	10/3	50	500
		Or Two 14/2 12/2			
621-NM 	3/4"	8/3	6/3	25	250
		Or Two 12/3 8/3			

Two-Piece Clamp Type Connectors



For connecting single nonmetallic cable to box or enclosure. Locknut not required.

 File No. E11698: 642 thru 644


Steel

Catalog Number	K.O. Size	Nonmetallic Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
642	1/2"	.180"	.560"	100	1000
643	3/4"	.250"	.830"	50	500
644	1 1/4"	.250"	.980"	50	250
645	1 1/2"	.312"	1.125"	20	100

Single Screw, Strap Type Connector



For connecting nonmetallic cable to box or enclosure. For use with one or two 14/2 NM-B or 12/2 NM-B cables, or one 14/2 through 10/3 NM-B cable. Also listed for use with 18/3 to 12/3 SJO cord. Patented.

 File No. E11698


Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
651-DC2	3/8"	1/2"	100	1000

Whipper-Snap® Single Screw, Strap Type Connector



For connecting nonmetallic cable to box or enclosure. For use with one 14/2 to 10/3 or two 14/2 to 12/2 NM-B cables. Also listed for use with 18/3 to 12/3 SJO cord. Simply snap connector into electrical box. External spring steel locking tabs secures connector to electrical box. Patented Whipper-Snap design.

 File No. E11698

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
651SP	3/8"	1/2"	100	1000



Two Screw, Strap Type Connectors







566-DC2

660-DC2 thru
666-DC2

650-DC2 thru
676-DC2


For connecting nonmetallic cable to box or enclosure. 566-DC2, 650-DC2 and 650-HD2 can be used for one or two 14/2 or 12/2 NM-B cables or one 14/2 through 10/3 NM-B cable. The 650-DC2 is also listed for use with 18/3 to 12/3 SJO cord. The 650-HD2 has a die cast strap for heavy duty use and is listed for use with 16/2 to 14/3 SJO cord.

-  File No. E20534: 566-DC2
-  File No. E11698: 650-DC2, 651SP, 650-HD2
-  File No. E15123: 660-DC2 thru 666-DC2; 670-DC2 thru 676-DC2
-  File No. LR39354: 650-DC2, 660-DC2, 670-DC2

Whipper-Snap® Two Screw, Strap Type Connector



For connecting nonmetallic cable to box or enclosure. For use with one 14/2 to 10/3 or two 14/2 to 12/2 NM-B cables. Simply snap connector into electrical box. External spring steel locking tabs secures connector to electrical box. Patented Whipper-Snap design.

-  File No. E11698

Zinc Die Cast - Round Cable

Catalog Number	K.O. Size	Nonmetallic Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
566-DC2	1/2"	14/2	or larger	100	1000
660-DC2	3/4"	.680"	.800"	25	250
662-DC2	1"	.850"	1.000"	10	100
664-DC2	1 1/4"	1.090"	1.300"	10	100
665-DC2	1 1/2"	1.187"	1.490"	---	25
666-DC2	2"	1.750"	1.950"	---	25

Zinc Die Cast - Oval Cable

Catalog Number	K.O. Size	Oval Service Cable Size		Unit Qty.	Std. Pkg. Qty.
		Height	Width		
650-DC2	1/2"	.250"	.500"	100	1000
650-HD2	1/2"	.250"	.500"	100	1000
670-DC2	3/4"	.437"	.625"	25	250
672-DC2	1"	.500"	.750"	10	100
674-DC2	1 1/4"	.625"	1.062"	10	100
675-DC2	1 1/2"	.750"	1.250"	---	25
676-DC2	2"	1.062"	1.625"	---	25

Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
841SP	3/8"	1/2"	100	1000




Knockout Insulating Bushings



Converts metallic box rough edged holes to smooth insulated holes for protection of electrical, voice, data and video cables.

 File No. LR24719

 File No. E240912 (9791 thru 9796)


Plastic Rated 105°C

Catalog Number	K.O.	K.O. Dia.	Unit Qty.	Std. Pkg. Qty.
9791	1/2"	.875"	100	1000
9792	3/4"	1.109"	100	1000
9793	1"	1.375"	50	500
9794	1"	1.734"	50	500
9795	1 1/2"	1.984"	25	250
9796	2"	2.469"	20	100
9797	2 1/2"	2.969"	20	100

Stud Bushings

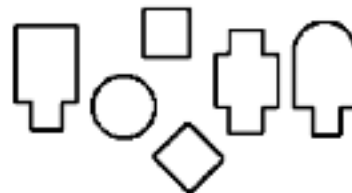


Protects wire insulation from abrasion in metal studs. Bushing allows smooth wire pulling. Used for all pre-punched shaped holes.

 File No. E11259

Polypropylene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
9882	---	50	500



Cable Supports




NMCB-1



NMCB-2

NMCB-1 positions maximum of (6) 14/2 to 10/3 NM-B cables or (4) 14/2 to 12/2 AC or MC cables. Also suitable for use with low voltage cabling to 3/8" diameter. Furnished with (2) #8 screws for use on wood or steel stud. Complies with NEC Articles 300.4(D) and 320.23(B). Patented.

NMCB-2 is provided with a nail for use on wood studs or 3/4" thick furring strips to position nonmetallic sheath cable. Capable of positioning a single 14/2 to 10/3 NM cable or two 14/2 NM cables in each of three rectangular slots. May also be used with low voltage cable. Low profile design and unique self-locking fingers prevent accidental removal of cables. Grooved nail for extra gripping with stud. Patented.

 File No. E161206

Polypropylene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
NMCB-1	---	25	100
NMCB-2	---	25	100

Cable Stacker




Metal Stud



Wood Stud

For use on steel or wood studs to support nonmetallic sheath, communication, and data cables. Furnished with nail for wood stud. Use #8 x 1/2" self-tapping sheet metal screw for steel stud. Complies with NEC Articles 300-4(D) and 320.23(B). Patented.

 File No. E161206

Polypropylene

Catalog Number	Size	Unit Qty.	Std. Pkg. Qty.
NMWH-43	---	25	100

CABLE RANGES:

Data / Communication Cable

Oval Openings:	1 or 2	.06" to .20" diameter
	1	.20" to .32" diameter
Round Openings:	1	.16" to .50" diameter

Nonmetallic Sheath Cable

Oval Openings:	1 or 2	14/2 AWG
	1 or 2	12/2 AWG
	1	10/2 AWG
Round Openings:	1	14/3 AWG
	1	12/3 AWG
	1	10/3 AWG

Ground Clamps - Protective Type




1312-B



1306-B, 1308-B,
1308-DC

For making connection with protective armor of 4, 6, or 8 AWG copper conductor and ground pipe or grounding electrode.

1308-DC also suitable for use with 1/2" or 3/4" copper water pipe.

 File No. E20412: 1306-B, 1308-B, 1308-DC

 File No. LR39354: 1308-DC

Ground Clamps - Bare Wire Type




1307-B, 1307-B1, 1309-B,
1309-DC, 1315-B



1313-B

For making connection with No. 4, 6, or 8 AWG bare copper ground wire and 1/2" through 4" grounding pipe or grounding electrode.

1309-DC also suitable for use with 1/2" or 3/4" copper water pipe.

 File No. E20412: All, except 1307-B1 & 1313-B

 File No. LR39354: 1309-DC

Brass with Steel Strap

Catalog Number	Ground Pipe Grounding Electrode Size	Unit Qty.	Std. Pkg. Qty.
1306-B	1/2" - 1"	25	100
1308-B	1/2" - 1"	25	100
1312-B	1 1/4" - 2"	---	20

Zinc Die Cast with Steel Strap

Catalog Number	Ground Pipe Grounding Electrode Size	Unit Qty.	Std. Pkg. Qty.
1308-DC	1/2" - 1"	25	250

Zinc Die Cast

Catalog Number	Ground Pipe Grounding Electrode Size	Unit Qty.	Std. Pkg. Qty.
1309-DC	1/2" - 1"	20	200

Brass

Catalog Number	Ground Pipe Grounding Electrode Size	Unit Qty.	Std. Pkg. Qty.
1307-B	1/2" - 1"	50	200
1309-B	1/2" - 1"	20	200
1313-B	1 1/4" - 2"	---	20
1315-B	2 1/4" - 4"	2	10


Brass with Brass Screws

Catalog Number	Ground Pipe Grounding Electrode Size	Unit Qty.	Std. Pkg. Qty.
1307-B1	1/2" - 1"	50	200

Ground Clamps - Threaded Hub Type



For making connection with No. 4, 6, or 8 AWG copper ground wire through threaded rigid conduit.

 File No. E20412: 1325-B, 1325-B1, 1326-B, 1328-B, 1330-B, 1331-B

Brass

Catalog Number	Ground Pipe Grounding Electrode Size	Rigid Trade Size	Unit Qty.	Std. Pkg. Qty.
1325-B	1/2" - 1"	1/2"	---	50
1326-B	1 1/4" - 2"	1/2"	---	20
1328-B	2 1/2" - 4"	1/2"	---	10
1330-B	1/2" - 1"	3/4"	---	50
1331-B	1 1/4" - 2"	3/4"	---	20


Brass with Brass Screws

Catalog Number	Ground Pipe Grounding Electrode Size	Rigid Trade Size	Unit Qty.	Std. Pkg. Qty.
1325-B1	1/2" - 1"	1/2"	---	50

Brass Ground Clamps With Strap and Hub



For making connection with No. 4, 6, or 8 AWG copper wire through threaded conduit. Ground wire terminated to set screw.

 File No. E20412

Brass with Steel Screws

Catalog Number	Trade Size In Inches.	Hub Size	Unit Qty.	Std. Pkg. Qty.
1325-BH	1/2, 3/4, 1	1/2"	---	25
1330-BH	1/2, 3/4, 1	3/4"	---	25
1345-BH	1/2, 3/4, 1	1"	---	25

Solderless Lugs



ALI Series



CLI Series

Copper lugs are used with copper conductors and provide high conductivity with lower heat rise. Copper lugs are rated for direct burial. Aluminum lay-in lugs are suitable for use with copper or aluminum conductors.

File No. E155561

Aluminum

Catalog Number	CU Wire Range	Stud Size	Unit Qty.	Std. Pkg. Qty.
ALI-50	4 thru 14	#10	25	250
ALI-112	1/0 thru 14	1/4"	20	200
ALI-252	250 MCM thru 6	5/16"	10	100

Copper

Catalog Number	AWG KCM Wire Capacity	Stud Size	Unit Qty.	Std. Pkg. Qty.
CLI-10	4 thru 14	#10	20	200
CLI-20	4 thru 14	1/4"	20	200

Solar Panel Grounding Connector



Designed to prevent galvanic reactions and enhance conductivity. The connector body has extruded serrations for breaking the anodized finish on photovoltaic modules and frames. The serrations in the wire binding break corrosion on the grounding wire which means that no surface preparation is required for the PV module, the frame or the ground wire. The unique clamp-on design means no mounting holes are required. The connector simply clamps onto the frame of the solar panel. The unit is UL 467 Listed and accommodates aluminum or copper #4 to 14 AWG. The connectors feature stainless steel hardware.

File No. E20412

Aluminum with Stainless Steel Hardware

Catalog Number	AWG Wire Capacity	Unit Qty.	Std. Pkg. Qty.
ALI-SLR	#4 - 14	25	250

Bonding Jumper Assembly



Use Bonding Jumper Assembly to comply with Article 250 of the National Electrical Code. Suitable for use on EMT, rigid conduit, or copper water pipe. If used with expansion coupling: assemble ground clamp to conduit 1" from stationary end of coupling. Attach second ground clamp 2" from sliding end of expansion coupling. NOTE: Total movement is 4". Assembly features bronze ground clamps and copper bonding strip.

 File No. E20412

Bronze

Catalog Number	Conduit Trade Size	Unit Qty.	Std. Pkg. Qty.
BJ-100	1/2" thru 1"	1	10
BJ-200	1 1/4" thru 2"	1	10
BJ-400	2 1/2" thru 4"	1	10

Ground Clamps - Direct Burial Type



DB-1308

DB-1309

For making connection with No. 4, 6, or 8 AWG copper wire and 1/2" through 1" ground pipe or grounding electrode, or 3/8" thru 3/4" rebar. DB-1308 protective type for bare or armored copper ground wire.

DB-1309 for bare ground only.

All materials contain minimum of 80% copper.

 File No. E20412

Clamps meet both UL and NEC requirements for burial in earth or embedment in concrete.

Bronze

Catalog Number	Ground Pipe Grounding Electrode Size	Unit Qty.	Std. Pkg. Qty.
DB-1308	1/2" - 1"	25	100
DB-1309	1/2" - 1"	20	200

Mighty-Bond® Intersystem Bonding Bridge



Intersystem Bonding Bridge used inside or outside of an enclosure or panel board. 3-Equipment bonding terminations. Meets the requirement of NEC Article 250.94. Patented.

File No. E20412

Brass with Stainless Steel Hardware

Catalog Number	Trade Size	AWG Wire Capacity	Unit Qty.	Std. Pkg. Qty.
IGB-050	1/2"	#8 - 4	25	100
IGB-075	3/4"	#8 - 4	25	100

Mighty-Bond® Intersystem Ground Rod Bridge Clamp



Intersystem Ground Rod Bridge Clamp used as an Intersystem bonding means by utilizing 4-terminal points for connecting communication systems to the same electrical grounding electrode/rod. Listed for 1/2" and 5/8" ground rods. Meets the requirement of NEC Article 250.94. Patented.

File No. E20412

Brass with Stainless Steel Hardware

Catalog Number	Trade Size	AWG Wire Capacity	Unit Qty.	Std. Pkg. Qty.
IGBC-063	1/2"	#8 - 4	25	100

Grounding Rod Clamps - Direct Burial Type



For terminating bare copper conductor to ground rod. Conductor range #10 solid to #2 stranded. Clamps meet both UL and NEC requirements for burial in earth or embedment in concrete.

File No. E20412

Bronze

Catalog Number	Ground Pipe Grounding Electrode Size	Unit Qty.	Std. Pkg. Qty.
GRC-50	1/2"	100	400
GRC-63	5/8"	50	200
GRC-75	3/4"	50	200

Intersystem Bonding Bridge



Catalog Number	Unit Qty.	Std. Pkg. Qty.
IGB-WM	5	50

For installation on dwelling wall. For #6 to #2 AWG grounding electrode conductors and #14 to #4 AWG bonding conductors. Meets NEC Article 250.94.


Mighty-Bond® Enclosure Grounding Connectors



Low cost and easy to use connector for securing grounding conductors at the enclosure in accordance with National Electrical Code (NEC) Article 250.8. Selection of conductor size to be made per NEC Article 250.66. Suitable for service entrance grounding. Product advantages include:

- Precision machined brass body with zinc die cast locknut and stainless steel set screw
- Professional installation appearance
- Serrated locknut removes residual paint from box
- Tamper Resistant as locknut and set screw are mounted inside the box
- Low profile flange on outside of box clearly marked with application guideline for ease in AHJ inspection
- UL listed for grounding per UL467

Patent Pending.

 File No. E20412

Brass


Catalog Number	Trade Size	AWG Wire Capacity	Unit Qty.	Std. Pkg. Qty.
MC-050	1/2"	Copper: #8 - #2 Solid & Stranded Aluminum: #6 - #2 Stranded	25	100
MC-075	3/4"	Copper: #4 - #2 Solid, #4 - 3/0 Stranded Aluminum: #2 - 3/0 Stranded	25	100
MC-100	1"	Copper: 1/0 to 250 MCM Stranded Aluminum: 3/0 to 4/0 Compact Stranded	10	40

Mighty-Bond® Enclosure Grounding Couplings



Low cost and easy to use coupling for use with rigid conduit and for securing grounding conductors at the enclosure in accordance with National Electrical Code (NEC) Article 250.8. Selection of conductor size to be made per NEC Article 250.66. Suitable for service entrance grounding. Product advantages include:

- Precision machined brass body with zinc die cast locknut and stainless steel set screw
- Professional installation
- Serrated locknut removes residual paint from box
- Use with rigid metallic or PVC rigid conduit
- Low profile flange on inside of box clearly marked with application guideline for ease in AHJ inspection
- UL listed for grounding per UL467 Patent Pending.

 File No. E20412

Brass

Catalog Number	Trade Size	AWG Wire Capacity	Unit Qty.	Std. Pkg. Qty.
MCC-050	1/2"	Copper: #8 - #2 Solid & Stranded Aluminum: #6 - #2 Stranded	25	100
MCC-075	3/4"	Copper: #4 - #2 Solid, #4 - 3/0 Stranded Aluminum: #2 - 3/0 Stranded	25	100
MCC-100	1"	Copper: 1/0 to 250 MCM Stranded Aluminum: 3/0 to 4/0 Compact Stranded	10	40

Mighty-Bond® Raintight Grounding and Bonding Hubs



MCH-075

MCH-100

Bridgeport Fittings Raintight Grounding and Bonding Hubs provide a listed method of bonding between ground electrode conductors (GEC), grounded conductors, bonding jumpers, and boxes, devices or enclosures.

The MCH is listed for use in wet locations. When connected to rigid metal conduit, the MCH will also function as a raceway bonding hub, yoke or choke. Setting the conductor set screw bonds the MCH to the raceway, the bonding or grounding conductor, and to the enclosure without the need for an external lug. Note: Not for use in concentric knock-outs.

File No. E20412

Brass

Catalog Number	Trade Size	Conductor Range	Max O.D.	Unit Qty.	Std. Pkg. Qty.
MCH-075	3/4"	#6 to 4/0 AL/CU	.550	10	40
MCH-100	1"	#2 to 350 MCM AL/CU	.720	1	10

Mighty-Bond® Intersystem Bonding Bridge with Enclosure Grounding Coupling Kit



Intersystem Bonding Bridge with Enclosure Grounding Coupling is used for securing and bonding ground electrode conductors to the enclosure in accordance with the National Electrical Code (NEC) Article 250. The MBG-050 and MBG-075 are also designed to connect the raceway of the ground electrode conductor to the enclosure while providing three accessible intersystem bonding termination points. Saves installation time! Patented.

File No. E20412

Brass with Stainless Steel Hardware

Catalog Number	Trade Size	AWG Wire Capacity	Unit Qty.	Std. Pkg. Qty.
MBG-050	1/2"	Copper: #8 - #2 Solid & Stranded Aluminum: #6 - #2 Stranded	10	50
MBG-075	3/4"	Copper: #4 - #2 Solid, #4 - 3/0 Stranded Aluminum: #2 - 3/0 Stranded	10	50

Rebar Ground Clamps - Direct Burial Type




RB-16



RB-17

For making connection with #10 AWG solid to #2 AWG stranded copper wire to 1/2" to 1" ground water pipe or 3/8" to 1" rebar. All materials contain minimum of 80% copper.

 File No. E20412

Clamps meet both UL and NEC requirements for burial in earth or embedment in concrete.

Bronze

Catalog Number	Ground Pipe	Rebar	Unit Qty.	Std. Pkg. Qty.
RB-16	1/2" - 1"	3/8" - 1"	20	200
RB-17	1/2" - 1"	3/8" - 1"	20	200

Mighty-Bond® Direct Burial Single Bolt Grounding Clamps



Designed for the grounding and bonding of electrical and plumbing systems. The SDB series are constructed of bronze and assembled with stainless steel hardware and are available in three distinct styles: lay-in lug, copper lug and enclosed style. The SDB series are listed for attachment to 1/2" through 1" in diameter EMT and rigid conduit raceways and steel and copper water piping systems. Patent Pending.

 File No. E20412

Brass

Catalog Number	Lug Type	Conductor Range	Unit Qty.	Std. Pkg. Qty.
SDB-1300B	Copper	#4 - #14 AWG Copper Only	20	100
SDB-1301B	Lay-in lug	#2 - #10 AWG Copper Only	20	100
SDB-1302B	Closed Lug	#2 - #10 AWG Copper Only	20	100

Switch Box Supports



To support switch box in wallboard; installed in pairs.

Steel

Catalog Number	Unit Qty.	Std. Pkg. Qty.
722	100	1000

One Hole Service Entrance Straps



881-SE thru 884-SE

To support oval service entrance cable, types SE and SEU, to mounting surface.

Zinc Plated Steel

Catalog Number	SE / SEU Cable Size	Unit Qty.	Std. Pkg. Qty.
881-SE	#3, #8, #6, #4	100	1000
882-SE	#3, #3, #2	100	1000
883-SE	#3, #1, #0, #1/0, #2/0	50	500
884-SE	#3/0, #4/0	50	500

One Hole Straps



Snap-on type strap used to support flexible metal conduit, armored cable, or metal clad cable.

 File No. E161206


Steel

Catalog Number	Cable Size	FMC Trade Size	AC/MC Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
890-MC	14/2, 12/2	---	.475"	.525"	100	1000
891-MC	14/3, 12/3	---	.540"	.590"	100	1000

AC/MC Cable Bracket



Positions maximum of (4) 14/2, 14/3, 14/4, 12/2 or 12/3 AC or MC cables. Galvanized steel construction. Convenient slot and hole for attaching to stud with nails or screws.

 File No. E161206

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
895-MC	---	50	500

One Hole Pipe Straps



Malleable/Aluminum

To support rigid conduit and IMC to mounting surface.

 File No. E161206: 901 thru 913

 File No. LR39354: 900 thru 912

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
900	3/8"	100	1000
901	1/2"	100	1000
902	3/4"	---	100
903	1"	---	100
904	1 1/4"	---	50
905	1 1/2"	---	50
906	2"	---	25
907	2 1/2"	---	25
908	3"	---	10
909	3 1/2"	---	10
910	4"	---	10
912	5"	---	5
913	6"	---	5


Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
901-AL	1/2"	100	1000
902-AL	3/4"	---	100
903-AL	1"	---	100
904-AL	1 1/4"	---	50
905-AL	1 1/2"	---	50
906-AL	2"	---	25

One Hole Straps



Snap-on type strap used to support flexible metal conduit, armored cable, or metal clad cable.

 File No. E161206

Steel


Catalog Number	Cable Size	FMC Trade Size	AC/MC Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
900-F	12/4, 10/2, 10/3	3/8"	.560"	.610"	100	1000


One Hole Pipe Straps



Steel

To support rigid conduit and IMC to mounting surface.

 File No. E161206: 904-S thru 908-S and 910-S

 File No. LR39354

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
901-S	1/2"	50	500
902-S	3/4"	50	500
903-S	1"	50	200
904-S	1 1/4"	25	100
905-S	1 1/2"	25	100
906-S	2"	---	25
907-S	2 1/2"	---	25
908-S	3"	---	25
909-S	3 1/2"	---	10
910-S	4"	---	10

Rigid Nail Straps



Used to secure rigid conduit and IMC to wood.

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
901-NS	1/2"	100	1000
902-NS	3/4"	100	1000
903-NS	1"	100	1000

One Hole EMT Straps



Malleable



Steel

To support EMT to mounting surface.

File No. E161206: 907 thru 910; 921 thru 925

File No. E161206: 907-S thru 910-S;
924-S thru 925-S

File No. LR39354: 907 thru 910; 907-S thru 910-S;
920-S thru 925-S

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
920	1/2"	100	1000
921	3/4"	50	500
922	1"	50	500
923	1 1/4"	---	100
924	1 1/2"	---	100
925	2"	---	50
907	2 1/2"	---	25
908	3"	---	10
909	3 1/2"	---	10
910	4"	---	10

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
920-S	1/2"	100	1000
921-S	3/4"	100	500
922-S	1"	50	500
923-S	1 1/4"	---	100
924-S	1 1/2"	---	100
925-S	2"	---	50
907-S	2 1/2"	---	25
908-S	3"	---	25
909-S	3 1/2"	---	10
910-S	4"	---	10

EMT Nail Straps



Nail type strap to support EMT to mounting surface.

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
920-NS	1/2"	100	1000
921-NS	3/4"	100	1000
922-NS	1"	100	1000

Aluminum – Service Entrance Cable One Hole Straps



Used to support oval service entrance cable to mounting service.

File No. E30211709


Aluminum

Catalog Number	SE / SEU Cable Size	Unit Qty.	Std. Pkg. Qty.
933	3 - #2 to #3	---	200
934	3 - #1/0	---	200
935	3 - #2/0	---	100
936	3 - 3/0 to #4/0	---	100

Clamp Backs



Provides space between conduit and mounting surface, for use with malleable or aluminum straps.

 File No. E161206: 941 thru 946;
9951 thru 9952

Malleable Iron

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
941	1/2"	50	250
942	3/4"	50	250
943	1"	25	100
944	1 1/4"	20	100
945	1 1/2"	10	100
946	2"	5	50
947	2 1/2"	2	10
948	3"	2	10
949	3 1/2"	---	5
950	4"	---	5
9951	5"	---	5
9952	6"	---	5

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
941-AL	1/2"	50	250
942-AL	3/4"	50	250
943-AL	1"	25	100
944-AL	1 1/4"	20	100
945-AL	1 1/2"	10	100
946-AL	2"	5	50

Insulator Support Beam Clamps




951



951-S

Single screw beam clamp insulator support with two threaded holes.

 File No. E161206: 951 thru 954

Malleable Iron

Catalog Number	Size	Tap Size (UNC)	Approx. Jaw Opening	Max. Load Lbs.	Unit Qty.	Std. Pkg. Qty.
951	1"	1/4-20	3/4"	125	25	100
952	1 1/2"	5/16-18	11/16"	300	---	50
953	2"	3/8-16	7/8"	300	---	50
954	2 1/2"	1/2-13	1"	300	---	25

Steel

Catalog Number	Size	Tap Size (UNC)	Approx. Jaw Opening	Max. Load Lbs.	Unit Qty.	Std. Pkg. Qty.
951-S	1"	1/4-20	3/4"	75	25	100
953-S	2"	3/8-16	7/8"	200	---	50

Conduit Clamps



Right Angle Type

Parallel Type

Edge Type

To secure conduit perpendicular to beam or channel. For rigid and IMC conduit.

 File No. E161206 All except 989 and 990

Malleable Iron – Right Angle Type*

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
961	1/2"	10	50
962	3/4"	10	50
963	1"	10	50
964	1 1/4"	10	50
965	1 1/2"	5	25
966	2"	5	25
967	2 1/2"	5	25
968	3"	5	25
969	3 1/2"	5	25
970	4"	5	25

*Also available in Edge Type (Catalog Series 971 thru 978; Trade Sizes 1/2" to 3") and Parallel Type (Catalog Series 981 thru 990; Trade Sizes 1/2" to 4")

Two Hole Service Entrance Straps



To support oval service entrance cable, types SE and SEU, to mounting surface.

Zinc Plated Steel


Catalog Number	SE / SEU Cable Size	Unit Qty.	Std. Pkg. Qty.
1881-SE	3 - #8, #6, #4	100	1000
1882-SE	3 - #3, #2	50	500
1883-SE	3 - #1, #0, #1/0, #2/0	50	500
1884-SE	3 - #3/0, #4/0	50	500

Two Hole Pipe Straps



Used to secure rigid conduit or IMC.

 File No. E161206: 1907 thru 1910

 File No. LR39354


Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1901	1/2"	250	2500
1902	3/4"	150	1500
1903	1"	100	1000
1904	1 1/4"	50	500
1905	1 1/2"	50	500
1906	2"	25	250
1907	2 1/2"	25	100
1908	3"	20	80
1909	3 1/2"	15	60
1910	4"	10	40

Two Hole EMT Pipe Straps



To support EMT to mounting surface.

 File No. E161206: 1907 thru 1910

 File No. LR39354: 1920 thru 1925

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1907	2 1/2"	25	100
1908	3"	20	80
1909	3 1/2"	15	60
1910	4"	10	40
1920	1/2"	250	2500
1921	3/4"	200	2000
1922	1"	100	1000
1923	1 1/4"	50	500
1924	1 1/2"	50	500
1925	2"	25	250

Conduit Hangers With Bolt & Nut



To secure EMT or rigid conduit to threaded rod, insulator supports, or directly to mounting surface.

Zinc Plated 304 Stainless Steel

Catalog Number	Trade Size	Rigid Size	EMT Size	Std. Pkg. Qty.
2100-S	0	3/8" & 1/2"	1/2"	100
2110-S	1	3/4"	3/4"	100
2120-S	2	1"	1"	100
2125-S	2 1/2	---	1 1/4"	50
2130-S	3	1 1/4"	1 1/2"	50
2140-S	4	1 1/2"	---	50
2150-S	5	2"	2"	50
2160-S	6	2 1/2"	2 1/2"	25
2170-S	7	3"	3"	25
2180-S	8	3 1/2"	3 1/2"	10
2190-S	9	4"	4"	10

Conduit Hangers



To secure EMT or rigid conduit to threaded rod, insulator supports, or directly to mounting surface. 2100-BN thru 2140-BN come with carriage bolt and nut. All others have 2-way slotted/Phillips bolt with integral threads.

 File No. E161206

Zinc Plated Steel with Bolt

Catalog Number	Trade Size	Rigid Size	EMT Size	Std. Pkg. Qty.
2100	0	3/8" & 1/2"	1/2"	100
2110	1	3/4"	3/4"	100
2120	2	1"	1"	100
2125	2 1/2	---	1 1/4"	50
2130	3	1 1/4"	1 1/2"	50
2140	4	1 1/2"	---	50

Zinc Plated Steel with Bolt & Nut

Catalog Number	Trade Size	Rigid Size	EMT Size	Std. Pkg. Qty.
2100-BN	0	3/8" & 1/2"	1/2"	100
2110-BN	1	3/4"	3/4"	100
2120-BN	2	1"	1"	100
2125-BN	2 1/2	---	1 1/4"	50
2130-BN	3	1 1/4"	1 1/2"	50
2140-BN	4	1 1/2"	---	50
2150	5	2"	2"	50
2160	6	2 1/2"	2 1/2"	25
2170	7	3"	3"	25
2180	8	3 1/2"	3 1/2"	10
2190	9	4"	4"	10

Tubing and Coaxial Straps



Used to support tubing and coaxial cable to mounting surface.

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
CC-25	1/4"	100	1000
CC-31	5/16"	100	1000
CC-37	3/8"	100	1000

Cable Supports




NMCB-1



NMCB-3

NMCB-1 positions maximum of (6) 14/2 to 10/3 NM-B cables or (4) 14/2 to 12/2 AC or MC cables. Also suitable for use with low voltage cabling to 3/8" diameter. Furnished with (2) #8 screws for use on wood or steel stud. Complies with NEC Articles 300.4(D) and 320.23(B). Patented.

NMCB-3 is provided with nails for use on wood studs or 3/4" thick furring strips to position up to five 14/2 to 10/3 AC or MC cables. May also be attached to metal studs or enclosures, or concrete block with #6 round head screws. Mounts in either horizontal or vertical direction. Low profile design and unique dimpled slots prevent accidental removal of cables. Patented.

 File No. E161206


Polypropylene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
NMCB-1	---	25	100
NMCB-3	---	25	100

Cable Supports



NMCB-2 is provided with a nail for use on wood studs or 3/4" thick furring strips to position nonmetallic sheath cable. Capable of positioning a single 14/2 to 10/3 NM cable or two 14/2 NM cables in each of three rectangular slots. May also be used with low voltage cable. Low profile design and unique self-locking fingers prevent accidental removal of cables. Grooved nail for extra gripping with stud. Patented.

 File No. E161206

Polypropylene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
NMCB-2	---	25	100

Mighty-Hold® Universal Straps



For steel or aluminum AC/MC/MCI-A cable .43" - .61" O.D. For steel or aluminum 3/8" FMC .210 hole size. Supports multiple sizes. Patented.

Steel

Catalog Number	FMC Trade Size	AC/MC Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
US-4461	3/8"	.43"	.61"	100	1000

Mighty-Hold® Universal Strap



For PVC jacketed steel MCI-A cable .55" - .71" O.D. .210 hole size. Suitable for use in wet locations. Supports multiple sizes. Stainless Steel. Patented.

Stainless Steel

Catalog Number	Cable Size	AC/MC Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
USS-6171	12/2, 10/3	.55"	.71"	100	1000


Two Screw Strap Type Connectors



Round Cable

Oval Cable

For connecting round or oval service cable to box or enclosure.

 File No. E15123

 File No. LR39354: 660-DC2, 670-DC2

Zinc Die Cast - Round Cable

Catalog Number	K.O. Size	Round Service Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
660-DC2	3/4"	.680"	.800"	25	250
662-DC2	1"	.850"	1.000"	10	100
664-DC2	1 1/4"	1.090"	1.300"	10	100
665-DC2	1 1/2"	1.187"	1.490"	---	25
666-DC2	2"	1.750"	1.950"	---	25


Zinc Die Cast - Oval Cable

Catalog Number	K.O. Size	Oval Service Cable Range		Unit Qty.	Std. Pkg. Qty.
		Height	Width		
670-DC2	3/4"	.437"	.625"	25	250
672-DC2	1"	.500"	.750"	10	100
674-DC2	1 1/4"	.625"	1.062"	10	100
675-DC2	1 1/2"	.750"	1.250"	---	25
676-DC2	2"	1.062"	1.625"	---	25

UF Connectors



Connector provides watertight seal around underground feeder cable. Tapered (NPT) threads.

 File No. E11698

Zinc Die Cast

Catalog Number	Trade Size	Cable Size	Unit Qty.	Std. Pkg. Qty.
761-UF	1/2"	14/2, 12/2, 10/2 (.250" x .500")	25	100
762-UF	3/4"	14/3, 12/3, 10/3 (.260" x .720")	10	50

Watertight Service Entrance Cable Connectors



Compression type connector which provides watertight seal around service entrance cable.

Zinc Die Cast

Catalog Number	K.O. Size	Grommet Opening Size	Unit Qty.	Std. Pkg. Qty.
763-4	1"	.520" x .840"	10	100
763-6	1"	.440" x .700"	10	100
763-8	1"	.406" x .688"	10	100
764-2	1 1/4"	.600" x 1.000"	5	50
764-2N	1 1/4"	.665" x 1.094"	5	50
764-3	1 1/4"	.560" x .950"	5	50
765-2	1 1/2"	.865" x 1.325"	---	25
765-3	1 1/2"	.875" x 1.375"	---	25
766-2	2"	.860" x 1.340"	---	10
766-3	2"	.870" x 1.370"	---	10
766-4	2"	.900" x 1.500"	---	10
766-4N	2"	1.100" x 1.750"	---	10

One & Two Hole Service Entrance Straps



881-SE thru 884-SE



1881-SE thru 1884-SE

To support oval service entrance cable, types SE and SEU, to mounting surface.

Zinc Plated Steel - One Hole Straps

Catalog Number	SE / SEU Cable Size	Unit Qty.	Std. Pkg. Qty.
881-SE	#3, #8, #6, #4	100	1000
882-SE	#3, #3, #2	100	1000
883-SE	#3, #1, #0, #1/0, #2/0	50	500
884-SE	#3/0, #4/0	50	500


Zinc Plated Steel - Two Hole Straps

Catalog Number	SE / SEU Cable Size	Unit Qty.	Std. Pkg. Qty.
1881-SE	3 - #8, #6, #4	100	1000
1882-SE	3 - #3, #2	50	500
1883-SE	3 - #1, #0, #1/0, #2/0	50	500
1884-SE	3 - #3/0, #4/0	50	500

Aluminum - Service Entrance Cable One Hole Straps



Used to support oval service entrance cable to mounting service.

 File No. E30211709

Aluminum

Catalog Number	SE / SEU Cable Size	Unit Qty.	Std. Pkg. Qty.
933	3 - #2 to #3	---	200
934	3 - #1/0	---	200
935	3 - #2/0	---	100
936	3 - 3/0 to #4/0	---	100

Sill Plates



When used with sealing compound, sill plates prevent water from entering structure.

Aluminum With Screws and Sealing Compound

Catalog Number	Service Cable Size	Unit Qty.	Std. Pkg. Qty.
938-C	3 - #2	10	100
939-C	3 - 1/0 to 2/0	---	5
940-C	3 - 3/0 to 4/0	---	5


PVC Without Screws and Sealing Compound

Catalog Number	Service Cable Size	Unit Qty.	Std. Pkg. Qty.
938-PVC	3 - #4 to 3 - #0	10	100

Service Entrance LB



Allows access to the interior of a conduit system for inspection, pulling and maintenance. Mounts flush against structure, raintight.

 File No. E11077

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1025	1/2"	5	50
1026	3/4"	5	50
1027	1"	---	20
1028	1 1/4"	---	10
1029	1 1/2"	---	5
1030	2"	---	4
1028-XL	1 1/4"	---	10
1030-XL	2"	1	6

Entrance Caps - Threaded Type



Threaded type entrance cap for rigid conduit or IMC.

 File No. E11259: 1201 thru 1210

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1201	1/2"	5	50
1202	3/4"	5	50
1203	1"	2	20
1204	1 1/4"	---	10
1205	1 1/2"	---	5
1206	2"	---	5
1207	2 1/2"	---	1
1208	3"	---	1
1209	3 1/2"	---	1
1210	4"	---	1
1211	5"	---	1
1212	6"	---	1


Entrance Cap Hole Sizes:

- 1201: 4 holes 5/16" dia.
- 1202: 2 holes 3/8" dia., 3 holes 7/16" dia.
- 1203: 2 holes 7/16" dia., 3 holes 5/8" dia.
- 1204: 2 holes 7/16" dia., 3 holes 5/8" dia.
- 1205: 1 hole 7/16" dia., 2 holes 5/8" dia., 3 holes 3/4" dia.
- 1206: 1 hole 9/16" dia., 2 holes 3/4" dia., 3 holes 1" dia.
- 1207: 1 hole 1" dia., 3 holes 7/8" dia., 3 holes 1 5/16" dia.
- 1208: 3 holes 1 3/4" dia., 4 holes 1 1/8" dia.
- 1209: 3 holes 1 3/4" dia., 4 holes 1 1/8" dia.
- 1210: 3 holes 1 3/4" dia., 4 holes 1 1/8" dia.
- 1211: 4 holes 1 3/4" dia., 2 holes 1 1/8" dia.
- 1212: 4 holes 1 3/4" dia., 2 holes 1 1/8" dia.

Entrance Caps For Oval Service Entrance Cable



Entrance cap for use with oval service entrance cable.

 File No. E15123

Zinc Die Cast

Catalog Number	Oval Service Cable Size	Unit Qty.	Std. Pkg. Qty.
1220	3 - #2	5	50

Aluminum

Catalog Number	Oval Service Cable Size	Unit Qty.	Std. Pkg. Qty.
1221	3 - #1/0 thru 3 - #4/0	---	10

Entrance Cap Hole Sizes:


1220: 2 holes 9/16" dia.

1221: 2 holes 25/32" dia.

Entrance Caps For Oval Service Entrance Cable



Electrical grade rigid PVC entrance cap with galvanized steel mounting bracket and strap for use with oval service entrance cable.

 File No. E15123


PVC

Catalog Number	Oval Service Cable Size	Unit Qty.	Std. Pkg. Qty.
1240-PVC	3 - #8, 6, 4, 2	5	50
1241-PVC	3 - #1/0, 2/0	---	10
1242-PVC	3 - #3/0, 4/0	---	10

Entrance Caps - Mast Type



Slip-fit screw type entrance cap for rigid conduit or IMC.

 File No. E11259

Aluminum / Phenolic Insulator

Catalog Number	Size	Unit Qty.	Std. Pkg. Qty.
1246-MT	2" Conduit, 1 1/4" Cap	---	10
1257-MT	2 1/2" Conduit, 2" Cap	---	5

Entrance Cap Hole Sizes:


1246-MT: 2 holes 7/16" dia., 3 holes 5/8" dia.

1257-MT: 1 hole 9/16" dia., 2 holes 3/4" dia., 3 holes 1" dia.

Entrance Caps - Clamp-On Type



Clamp type entrance cap for rigid conduit and IMC.

 File No. E11259

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1251	1/2"	5	50
1252	3/4"	5	50
1253	1"	---	20
1254	1 1/4"	---	10
1255	1 1/2"	---	5
1256	2"	---	5
1257	2 1/2"	---	1
1258	3"	---	1
1259	3 1/2"	---	1
1260	4"	---	1


Entrance Cap Hole Sizes:


1251: 4 holes 5/16" dia.
 1252: 2 holes 3/8" dia., 3 holes 7/16" dia.
 1253: 2 holes 7/16" dia., 3 holes 1/2" dia.
 1254: 2 holes 7/16" dia., 3 holes 5/8" dia.
 1255: 1 hole 7/16" dia., 2 holes 5/8" dia.,
 3 holes 3/4" dia.
 1256: 1 hole 9/16" dia., 2 holes 3/4" dia.,
 3 holes 1" dia.
 1257: 1 hole 1" dia., 3 holes 7/8" dia.,
 3 holes 1 5/16" dia.
 1258: 3 holes 1 3/4" dia., 4 holes 1 1/8" dia.
 1259: 3 holes 1 3/4" dia., 4 holes 1 1/8" dia.
 1260: 3 holes 1 3/4" dia., 4 holes 1 1/8" dia.

PVC Entrance Heads



PVC entrance head for mounting on PVC, rigid, IMC or EMT. Removable EMT adapter sleeve and no-turn square nut allow for fast installation.

 File No. E9391

 File No. LR74878

PVC

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1251-PVC	1/2"	5	50
1252-PVC	3/4"	5	50
1253-PVC	1"	---	20
1254-PVC	1 1/4"	---	10
1255-PVC	1 1/2"	---	5
1256-PVC	2"	---	5


Entrance Caps - Set Screw Type



Set screw type entrance cap for rigid conduit or IMC.

1253-S thru 1255-S - come with one screw.

1256-S thru 1260-S - come with two screws.

 File No. E11259

Aluminum / Phenolic Insulator

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1253-S	1"	---	20
1254-S	1 1/4"	---	10
1255-S	1 1/2"	---	5
1256-S	2"	---	5
1257-S	2 1/2"	---	1
1258-S	3"	---	1
1259-S	3 1/2"	---	1
1260-S	4"	---	1

Entrance Cap Hole Sizes:

1253-S: 2 holes 7/16" dia., 3 holes 1/2" dia.

1254-S: 2 holes 7/16" dia., 3 holes 5/8" dia.

1255-S: 1 hole 7/16" dia., 2 holes 5/8" dia., 3 holes 3/4" dia.

1256-S: 1 hole 9/16" dia., 2 holes 3/4" dia., 3 holes 1" dia.

1257-S: 1 hole 1" dia., 3 holes 7/8" dia., 3 holes 1 5/16" dia.

1258-S: 3 holes 1 3/4" dia., 4 holes 1 1/8" dia.

1259-S: 3 holes 1 3/4" dia., 4 holes 1 1/8" dia.

1260-S: 2 holes 1 1/8" dia., 4 holes 1 3/4" dia.

Mast Kits



Service entrance mast kits provide an assortment of mast components for installing overhead service drops. Use for both residential and commercial buildings that utilize conduit.

Catalog Number	Description Contents	Unit Qty.	Std. Pkg. Qty.
MK-10020	2" Service Entrance Kit (125-150-200 AMP) <ul style="list-style-type: none"> • Service Head (Cat 1256) • Roof Flashing (Cat RF-200) • Porcelain Wire Holder (Cat MWH-1) • 2" Rigid Pipe Strap (2 pcs.) (Cat 1906) 	---	1
MK-20025	2-1/2" Service Entrance Kit (125-150-200 Amp) <ul style="list-style-type: none"> • Service Head (Cat 1257-MT) • Roof Flashing (Cat RF-250) • Conduit Support (2 pcs) • Porcelain Wire Holder (Cat MWH-1) 	---	1
MK-20025R	2-1/2" Service Entrance Kit (125-150-200 Amp) <ul style="list-style-type: none"> • Service Head (Cat 1257-MT) • Porcelain Wire Holder (Cat MWH-1) • Roof Flashing (Cat RF-250) • Conduit Support (2 pcs) • Bottom Reducer 	---	1

Mogul Conduit Bodies





MLB-44 thru MLB-46



MLB-47 thru MLB-50

Allows larger access to the inside of a raceway for wire pulling. Raintight.

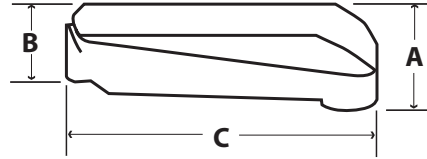
 File No. E11077

 File No. E11077
(MLB-47 thru MLB-50)

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
MLB-44	1 1/4"	---	5
MLB-45	1 1/2"	---	2
MLB-46	2"	---	2
MLB-47	2 1/2"	---	1
MLB-48	3"	---	1
MLB-49	3 1/2"	---	1
MLB-50	4"	---	1

Catalog Number	Dim A	Dim B	Dim C
MLB-44	3 1/2"	3"	9 1/2"
MLB-45	5 1/8"	4"	14 1/2"
MLB-46	5 1/8"	4"	14 1/2"
MLB-47	10 1/2"	8 11/16"	22 3/4"
MLB-48	10 1/2"	8 11/16"	22 3/4"
MLB-49	12"	10"	29 1/8"
MLB-50	12"	10"	29 1/8"



Roof Flashings



RF-125 thru RF-250



RFN-125 thru RFN-400

Galvanized – for use with galvanized, plastic, or cast iron electrical service mast. Fits flats to 40°.

Neoprene – for use with copper, cast iron, galvanized, or plastic pipe. Fits up to 45° angle, not recommended for hot-mopped or built-up roofs.

Galvanized

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
RF-125	1 1/4"	---	25
RF-150	1 1/2"	---	25
RF-200	2"	---	25
RF-250	2 1/2"	---	25

Neoprene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
RFN-125	1 1/4" - 1 1/2"	---	12
RFN-200	2"	---	12
RFN-250	2 1/2"	---	12
RFN-300	3"	---	12
RFN-400	4"	---	12

Porcelain Wire Holders



RWH-1

MWH-1

RWH-1 - Reinforced type wire holder with 3/8" lag screw 2 1/2" long.

MWH-1 - Clamp-on adjustable wire holder for 1 1/4", 1 1/2", 2", 2 1/2" and 3" service entrance mast.

Porcelain

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
RWH-1	---	---	50
MWH-1	1 1/4" - 3"	---	20

Wedge Grip Clamps



For reducing strain and sagging of overhead type ACSR service entrance cables. Place service entrance cable into shell, slide wedge forward and secure in place. Hook stainless steel bail onto lag, or similar mounting device, on building structure. Maximum load is 1000 lbs.

Aluminum

Catalog Number	Wire Size ACSR	Unit Qty.	Std. Pkg. Qty.
WGC-1	6 - 4	25	100
WGC-2	4 - 1/0	10	40
WGC-3	2/0 - 4/0	10	40

Service Entrance Kits



SE-KIT200

Service entrance kits provide an assortment of components for electrical service installation.

Catalog Number	Description	Unit Qty.	Std. Pkg. Qty.
SE-KIT100	100 Amp SE Cable Kit <ul style="list-style-type: none"> • Service Head (1240-PVC) • Water Tight Connector (764-2N) • Duct Seal (DS-100) • Sill Plate (938-C) • (2) SE Connectors (674-DC2) • (12) 1 Hole Straps (882-SE) • (2) Ground Clamps (1308-DC) • (2) Ground Rod Clamps (GRC-63) 	---	1
SE-KIT200	200 Amp SE Cable Kit <ul style="list-style-type: none"> • Service Head (1242) • Water Tight Connector (766-3) • Duct Seal (DS-100) • Sill Plate (940-C) • (2) SE Connectors (676-DC2) • (10) 2 Hole Straps (1884-SE) • (2) Ground Clamps (1308-DC) • (2) Ground Rod Clamps (GRC-63) 	---	1

Insulator Support Beam Clamps



951

951-S

Single screw beam clamp insulator support with two threaded holes.

File No. E161206: 951 thru 954

Malleable Iron

Catalog Number	Size	Tap Size (UNC)	Approx. Jaw Opening	Max Load Lbs.	Unit Qty.	Std. Pkg. Qty.
951	1"	1/4-20	3/4"	125	25	100
952	1 1/2"	5/16-18	1 1/16"	300	---	50
953	2"	3/8-16	7/8"	300	---	50
954	2 1/2"	1/2-13	1"	600	---	25

Steel

Catalog Number	Size	Tap Size (UNC)	Approx. Jaw Opening	Max Load Lbs.	Unit Qty.	Std. Pkg. Qty.
951-S	1"	1/4-20	3/4"	75	25	100
953-S	2"	3/8-16	7/8"	200	---	50

Knockout Insulating Bushings



Converts metallic box rough edged holes to smooth insulated holes for protection of electrical, voice, data and video cables.

File No. LR24719

File No. E240912 (9791 thru 9796)

Plastic Rated 105°C

Catalog Number	K.O.	K.O. Dia.	Unit Qty.	Std. Pkg. Qty.
9791	1/2"	.875"	100	1000
9792	3/4"	1.109"	100	1000
9793	1"	1.375"	50	500
9794	1 1/4"	1.734"	50	500
9795	1 1/2"	1.984"	25	250
9796	2"	2.469"	20	100
9797	2 1/2"	2.969"	20	100

Stud Bushings

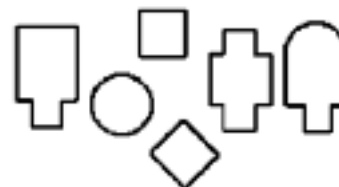


Protects wire insulation from abrasion in metal studs. Bushing allows smooth wire pulling. Used for all pre-punched shaped holes.

File No. E11259

Polypropylene


Catalog Number	Hole Dia.	Unit Qty.	Std. Pkg. Qty.
9882	----	50	500



Bridle Rings



Steel bridle rings provide support for voice, data, or video cables. Open loop end allows easy insertion of cables. Machine thread style has 1/4-20 thread for use with beam clamps or other clamping devices. Wood style rings are threaded for easy assembly into 1/8" dia. pre-drilled hole.

 File No. E161206 (BRI-150, BRI-200, BRWI-150 & BRWI-200)

Zinc Plated Threaded Bridle Rings

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
BR-150	1 1/2"	---	100
BR-200	2"	---	100
BR-400	4"	---	50

Zinc Plated Threaded Bridle Rings / Plastic Insulator

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
BRI-150	1 1/2"	---	50
BRI-200	2"	---	50

Zinc Plated Bridle Rings For Wood

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
BRW-150	1 1/2"	---	100
BRW-200	2"	---	100

Zinc Plated Bridle Rings For Wood / Plastic Insulator

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
BRWI-150	1 1/2"	---	50
BRWI-200	2"	---	50


Electrical Box Extender / Insulator



BXE-100

BXE-300

For use with most metallic or nonmetallic electrical boxes to extend box face. Simply slide non-conductive extender into box to correct setbacks up to 1". May also be used as an insulating barrier between metallic box and device. Extender / Insulator does not require trimming and is completely hidden by faceplate. Complies with NEC Article 314.20. Patented.

 File No. E216710

Available in single gang BXE-100, duplex BXE-200 or round BXE-300 configurations.

PVC

Catalog Number	Unit Qty.	Std. Pkg. Qty.
BXE-100	25	100
BXE-200	---	25
BXE-300	---	25

Tubing and Coaxial Straps



Used to support tubing and coaxial cable to mounting surface.

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
CC-25	1/4"	100	1000
CC-31	5/16"	100	1000
CC-37	3/8"	100	1000

Distribution Rings



For support of communication cables. May be mounted in horizontal or vertical position. Enclosed design; all rings have four mounting holes for #10 screws.

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
DR-200	2"	10	40
DR-300	3"	10	20
DR-500	5"	---	10

Communications / Data Plate Mounting Bracket (Old Work)



Eliminates need for outlet box. Provides mounting base for securing communication or data line face plates. Mounts standard low voltage outlets and plates (Class 2 only). Hardware included.

Zinc Plated Steel

Catalog Number	Unit Qty.	Std. Pkg. Qty.
LVB-1	10	100

Cable Supports



NMCB-1




NMCB-2

Positions maximum of (6) 14/2 to 10/3 NM-B cables or (4) 14/2 to 12/2 AC or MC cables. Also suitable for use with low voltage cabling to 3/8" diameter. Furnished with (2) #8 screws for use on wood or steel stud. Complies with NEC Articles 300.4(D) and 320.23(B). Patented.

 File No. E161206

NMCB-2 is provided with a nail for use on wood studs or 3/4" thick furring strips to position nonmetallic sheath cable. Capable of positioning a single 14/2 to 10/3 NM cable or two 14/2 NM cables in each of three rectangular slots. May also be used with low voltage cable. Low profile design and unique self-locking fingers prevent accidental removal of cables. Grooved nail for extra gripping with stud. Patented.

 File No. E161206

Polypropylene

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
NMCB-1	---	25	100
NMCB-2	---	25	100

Low Voltage Device Holders for New Work



NMLV-100F



NMLV-200F



NMLV-100B




NMLV-200B

NMLV-100F and NMLV-200F used on 3/4" thick furring strips, 2" x 4" wood or steel stud.

Provided with 2 nails for use on 2" x 4" wood stud. Use #6 flat head screws for steel stud or 3/4" thick furring strip.

NMLV-100B and NMLV-200B used on 2" x 4" wood or steel stud with 1/2" or 3/4" EMT.

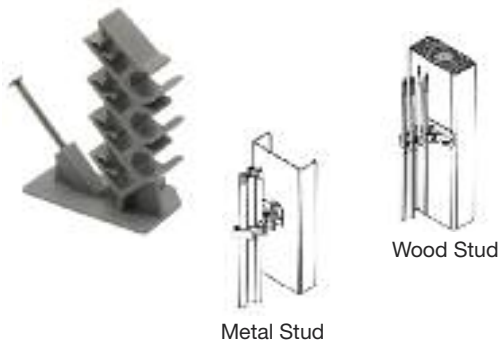
Provided with 2 nails for use on 2" x 4" wood stud. Use #6 flat head screws for steel stud. Steel bracket will accommodate 1/2" or 3/4" EMT connector. Patented.

 File No. E11259

PVC

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
NMLV-100B	Single Gang	5	50
NMLV-100F	Single Gang	10	100
NMLV-200B	Double Gang	5	50
NMLV-200F	Double Gang	5	50


Cable Stacker



Metal Stud

Wood Stud

For use on steel or wood studs to support nonmetallic sheath, communication, and data cables. Furnished with nail for wood stud. Use #8 x 1/2" self-tapping sheet metal screw for steel stud. Complies with NEC Articles 300-4(D) and 320.23(B). Patented.

 File No. E161206

Polypropylene

Catalog Number	Size	Unit Qty.	Std. Pkg. Qty.
NMWH-43	---	25	100

CABLE RANGES:

Data / Communication Cable

Oval Openings:	1 or 2	.06" to .20" diameter
	1	.20" to .32" diameter
Round Openings:	1	.16" to .50" diameter

Nonmetallic Sheath Cable

Oval Openings:	1 or 2	14/2 AWG
	1 or 2	12/2 AWG
	1	10/2 AWG
Round Openings:	1	14/3 AWG
	1	12/3 AWG
	1	10/3 AWG

Insulating Bushing

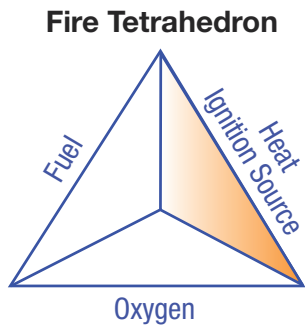


EMT bushing insulates telephone, computer, video and other low voltage wiring from sharp edges of EMT. Complies with NEC Article 300-15(c).

Polyethylene - 90°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
TWB-51	1/2"	100	1000
TWB-52	3/4"	50	500
TWB-53	1"	25	250
TWB-54	1 1/4"	25	250
TWB-55	1 1/2"	---	100
TWB-56	2"	---	50
TWB-57	2 1/2"	---	25
TWB-58	3"	---	25
TWB-59	3 1/2"	---	25
TWB-60	4"	---	25

Hazardous Location Fundamentals



Hazardous Classified Locations

Classified areas are locations where flammable or combustible gases or vapors and materials may be present in the atmosphere or may accumulate on equipment. The presence of these materials may present a fire hazard if exposed to an ignition source.

The National Electrical Code

The NFPA 70 National Electrical Code serves primarily as the standard for electrical installations in hazardous classified areas. The objective is to control electrical ignition sources in hazardous classified areas.

NEC Articles for Hazardous Classified Locations

Art 500	General Requirements
Art 501	Class I -- Gases, Vapors, Liquids
Art 502	Class II – Combustible dusts
Art 503	Class III – Fibers and Flyings
Art 504	Intrinsically safe Systems
Art 505	Class I, Zones 0, 1 & 2
Art 506	Dusts, Fibers, Flyings, Zones 20, 21, 22
Art 510-517	Specific Occupancies

For the Classification of Flammable Liquids, Gases, or Vapors and combustible Dusts, please reference *The National Fire Protection Association Standards, Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas*.

National Fire Protection, NFPA 497 Flammable Gases, Liquids, or Vapors and **NFPA 499** Combustible Dusts

Class I, II, III, Hazardous Locations

CLASSES	GROUPS	DIVISION 1	DIVISION 2
I Gasses, Vapors and Liquids (Art.501)	A: Acetylene B: Hydrogen, etc. C: Ether, etc. D: Hydrocarbons, fuels, solvents, etc.	Normally explosive and hazardous	Not normally present in an explosive concentration (but may accidentally exist)
II Dusts (Art.502)	E: Metal dusts (conductive, and explosive) F: Carbon dusts (some are conductive, and all are explosive) G: Flour, starch, grain, combustible plastic or chemical dust (explosive)	Normally explosive and hazardous	Not normally present in an explosive concentration (but may accidentally exist)
III Fibers and Flyings (Art.503)	Textiles, wood-working, etc. (easily ignitable, but not likely to be explosive)	Handled or used in manufacturing	Stored or handled in storage (exclusive of manufacturing)

Hazardous Location Product Designs

Threaded Joints

The use of threaded joint construction allows for the gases to be vented and cooled. The hot flaming gases travel from inside the enclosure over the threads reducing the temperature and venting below the ignition point of the surrounding atmosphere.

Purpose of Seals

Seals minimize the passage of gases and vapors, prevent the passage of flame and complete the explosion proof enclosure system.

Class I

All boxes and fittings in Class I, Division I must be **approved and marked** for its Class and Division. All threaded joints must have at least five threads fully engaged.

Bridgeport **EYS** and **EYS-N** sealing fittings are used to seal conduit in a hazardous location to minimize the passage of gases and vapors and prevent the passage of flames from one electrical installation to another thru the conduit or raceway.

Typical Class I Applications

- Petrochemical plants
- Petroleum refining facilities
- Aircraft hangers
- Spray finishing areas
- Dry cleaning facilities
- Gas manufacturing facilities
- Gas pumping stations

Class I, Division 1

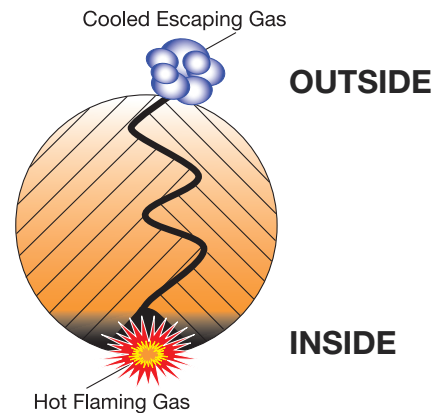
Areas in which ignitable concentrates of flammable gases, liquids, vapors, are present under normal operating conditions or may exist frequently because of repair or maintenance operations or because of leakage.

Class I, Division 2

Areas in which ignitable concentrates of flammable gases, liquids, vapors, are present under abnormal conditions such as accidental rupture of a container or closed system or abnormal ventilating equipment.

Class I Groups

Class I gases and vapors are divided into four groups by the National Electrical Code, **A, B, C,** and **D (NFPA Standard 497)**.



Conduit Sealing Class I

1) Entering Enclosures. Seals are required to be installed within 18 inches on any conduit system entering an enclosure which contains devices that may produce arcs, sparks, or high temperature that are considered to be an ignition source in normal operation. Where two enclosures are connected by a run of conduit not over three feet in length, a single seal located at the center of the conduit run is considered satisfactory. Only explosion proof unions, couplings, reducers, elbows, conduit bodies, and outlet boxes shall be permitted between the sealing fitting and the explosion-proof enclosure. **NEC Art 501.15 (A) (1)**

2) Seals shall be located within 18 inches of the enclosure or fitting on each conduit run 2 inch trade size or larger entering an enclosure or fitting that contains terminals, splices, or taps. **NEC Art 501.15 (A) (1)**

3) In Pressurized Enclosures each conduit entry into a pressurized enclosure where the conduit is not pressurized as part of the protection system. Conduit seals shall be installed within 18 inches from the pressurized enclosure. **NEC Art 501.15 (A) (1)**

4) Boundary Seals must be installed at boundaries between a Hazardous and Non-Hazardous area and between a Class I Div. 1 area and a Class I Div. 2 area. **NEC Art 501.15 (A) (4)**

Flexible Connections

Where flexibility is needed, Flexible Metal Conduit with listed fittings, Liquid Tight Flexible Metal Conduit with listed fittings, Liquid Tight Flexible Nonmetallic Conduit with listed fittings, or Flexible cord listed for extra hard usage and provided with listed bushed fittings shall be used. **NEC Art 501.10 (B) (2)**

Class II

Class II locations are those that are hazardous because of the presence of combustible dust.

Typical Class II Applications

- Flour and feed mills
- Grain elevators and Silos
- Fireworks manufacturing facility
- Sugar and cocoa processing plants
- Magnesium and aluminum manufacturing facilities
- Coal handling facilities
- Confectionary producer
- Pharmaceutical plants
- Starch processing plants

Class II, Division 1

In which combustible dust is in the air under normal operating conditions in quantities sufficient to produce explosive or ignitable mixture

Class II, Division 2

In which combustible dust is in the air under abnormal operating conditions in quantities sufficient to produce explosive or ignitable mixture or interfere with the safe dissipation of heat from electrical equipment or could be ignitable by abnormal operation or failure of electrical equipment.

Class II Groups

Class II combustible dusts are divided into three groups by the National Electrical Code, **E, F, and G (NFPA Standard 499)**

Conduit Sealing in Class II

Where a raceway provides a path between an enclosure which is required to be dust-ignition proof and one which is not, suitable means must be installed to prevent the entrance of dust into the dust-ignition proof enclosure through the conduit or raceway. **NEC Art 502.15**

Flexible Connections

Where flexibility is needed, Flexible Metal Conduit with listed fittings, Liquid Tight Flexible Metal Conduit with listed fittings, Liquid Tight Flexible Nonmetallic Conduit with listed fittings, or Flexible cord listed for extra hard usage and provided with listed bushed fittings. Where flexible cords are used they shall comply with 502.140. **NEC Art 502.10 (A) (2)**

Class III

Locations that are hazardous because of easily ignitable fibers or flyings are present, but in which such fibers or flyings are not likely to be in suspension in the air in quantities to produce ignitable mixtures.

NEC Art 500.5 (E)

Typical Class III Applications

- Textile mills
- Woodworking plants
- Cotton mills
- Flax processing plants
- Clothing manufacturing
- Thread and yarn mills

Class III, Division 1

Areas where easily ignitable fibers/flings are handled, manufactured, or used.

Class III, Division 2

Areas where easily ignitable fibers/flings are stored or handled, other than in process of manufacture.

Boxes and Fittings

All boxes and fittings shall be Dust Tight.

NEC Art 503.10 (A) (1)

Flexible Connections

Where flexibility is needed, dust-tight flexible connectors, Liquid Tight Flexible Metal Conduit and Nonmetallic Conduit with listed fittings or flexible cord in compliance 503.140 shall be used.

NEC Art 503.10 (A) (2)

Application:

- Sealing compound is used to restrict the passage of gasses, vapors, or flames from traveling through the sealing fitting and prevent the passage of flames from one electrical installation to another through the conduit or raceway.
- Fiber is used to separate conductors from each other and from the sealing compound. The fiber then forms a dam within the sealing fittings that allows the poured sealing compound to harden in place.
- The sealing compound expands slightly to form a complete seal. Hermetic sealing compound (**CE-2571**) is listed for use with Bridgeport type **EYS** and **EYS-N** sealing fittings.
- Maximum number and size of THW conductor:

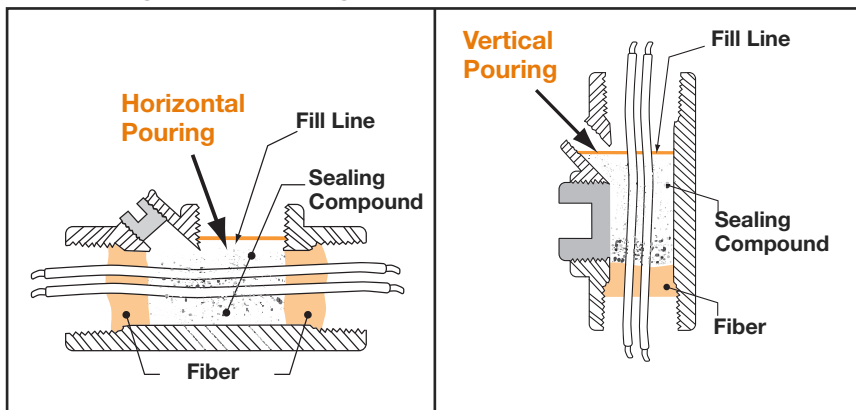
1/2"	7#18	1-1/4"	13#10
3/4"	10#16	1-1/2"	10#8
1"	10#14	2"	10#6

Based on 25% conductor fill

Instructions: Pack around conductors and mix contents perfectly before each use.

- Separate each conductor; with Bridgeport **FB-10** fiber pack around and between each conductor and wall of the fitting. The conductors must not touch one another nor touch the wall of the fitting.
- Add 1 part of cold water to 3 parts compound by volume, thoroughly stir and pour it into sealing fitting carefully using a stick to distribute through the pouring plugs. In the Vertical position, the compound is level with the last thread in the vertical pouring plug. Note: **Fill lines**.

Damming And Pouring



In a Horizontal position, the compound is covering the last two threads in the Horizontal pouring plug. Note: **Fill Lines**. Be sure not to leave any air bubbles into the sealing compound. Close the plugs in the sealing fitting after pouring. Bridgeport sealing fittings are designed to meet the 5/8" min. thickness required by its listing and the NEC. **CAUTION:** Close the container lid firmly after each use. Carefully store the unused compound. Humid or moisture conditions, and impurities may produce a faulty seal.

- Do not mix the compound with water in amounts that cannot be used within 15 minutes, nor temperatures below 35° F (1.7°C). If the compound starts to set do not attempt to thin it by adding water or stirring, this procedure spoils the compound.
- The curing time varies with ambient temperature. For example: 68°F (20°C)-12 hours, 40°F (4.4°C)-72 hours.
- For Group A installations, sealing compound must be allowed 72 hours to cure.
- When fully cured the sealing compound is resistant to solvents, acids, water, and oil.

Summary:

Regardless of the cause of a hazardous location, it is necessary that every precaution be taken to guard against ignition of the atmosphere. Electrical equipment can be a potential source of ignition through one of three ways:

1. Archs and sparks
2. High temperatures
3. Electrical equipment failure

Bridgeports Hazardous location products are designed and constructed to eliminate the potential for ignition of the atmosphere.

The *National Electrical Code* is the “Bible” of the Electrical Industry, and the primary source of reference for hazardous locations. The NEC is also the basis for OSHA standard 1926.407, Hazardous (Classified) Locations. There are several OSHA standards that require the installation of electrical wiring and equipment in hazardous (classified) locations according to the requirements of Subpart K, Electrical. The NEC should be consulted as a supplement to the OSHA standards for additional background information concerning hazardous locations.

Vertical/Horizontal Sealing Fitting




EYS-0452N
Male/Female



EYS-0452
Female/Female

Used to seal conduits in vertical or horizontal runs to minimize the passage of gases and vapors and prevent the passage of flames. Threaded for rigid or IMC. NPT Tapered threads. 25% conductor fill. Epoxy coat finish. UL Listed for use with Bridgeport **CE-Sealing Compound**.

 File No. E198859

 Certified 105795

Class I, Division 1 and 2, Groups C, D
Class II, Groups E, F, G
Class III

Die Cast Aluminum Copper-free (4/10 of 1%)

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
EYS-0452	1/2"	5	20
EYS-0453	3/4"	5	20
EYS-0550	1"	5	20
EYS-2633	1 1/4"	2	10
EYS-2634	1 1/2"	1	5
EYS-2635	2"	1	5
EYS-0452N	1/2"	5	20
EYS-0453N	3/4"	5	20
EYS-0550N	1"	5	20
EYS-2633N	1 1/4"	2	10
EYS-2634N	1 1/2"	1	5
EYS-2635N	2"	1	5

Outlet Boxes



Type GRE



Type GRB



Type GRC



Type GRL



Type GRT




Type GRX



Type GRXZ

Used to provide access to conductors for pulling and maintenance. Allows connection of conduit straight runs, branch conduit runs, and bends. For rigid conduit. NPT Tapered threads. Epoxy coat finish.

 File No. E181329

 Certified 105795

Class I, Division 1 and 2, Groups C, D

Class II, Groups E, F, G

Class III

Type 3, 4, 7, 9

Die Cast Aluminum


Copper-free (4/10 of 1%)

Catalog Number	Description	Unit Qty.	Std. Pkg. Qty.
GRB-0445	1/2" 2-Hub Round Outlet Box	1	4
GRB-0446	3/4" 2-Hub Round Outlet Box	1	4
GRB-0584	1" 2-Hub Round Outlet Box	1	4
GRB-0597	1 1/4" 2-Hub Round Outlet Box	1	2
GRB-0600	1 1/2" 2-Hub Round Outlet Box	1	2
GRB-0605	2" 2-Hub Round Outlet Box	1	2
GRC-0443	1/2" 2-Hub Round Outlet Box	1	4
GRC-0444	3/4" 2-Hub Round Outlet Box	1	4
GRC-0556	1" 2-Hub Round Outlet Box	1	4
GRC-0589	1 1/4" 2-Hub Round Outlet Box	1	2
GRC-0561	1 1/2" 2-Hub Round Outlet Box	1	2
GRC-0580	2" 2-Hub Round Outlet Box	1	2
GRE-0447	1/2" 1-Hub Round Outlet Box	1	4
GRE-0448	3/4" 1-Hub Round Outlet Box	1	4
GRE-0582	1" 1-Hub Round Outlet Box	1	4
GRE-0587	1 1/4" 1-Hub Round Outlet Box	1	2
GRE-0598	1 1/2" 1-Hub Round Outlet Box	1	2
GRE-0603	2" 1-Hub Round Outlet Box	1	2
GRL-0439	1/2" 2-Hub Round Outlet Box	1	4
GRL-0440	3/4" 2-Hub Round Outlet Box	1	4
GRL-0546	1" 2-Hub Round Outlet Box	1	4
GRL-0591	1 1/4" 2-Hub Round Outlet Box	1	2
GRL-0558	1 1/2" 2-Hub Round Outlet Box	1	2
GRL-0576	2" 2-Hub Round Outlet Box	1	2
GRT-0441	1/2" 3-Hub Round Outlet Box	1	4
GRT-0442	3/4" 3-Hub Round Outlet Box	1	4
GRT-0547	1" 2-Hub Round Outlet Box	1	4
GRT-0593	1 1/4" 3-Hub Round Outlet Box	1	2
GRT-0559	1 1/2" 3-Hub Round Outlet Box	1	2
GRT-0578	2" 3-Hub Round Outlet Box	1	2
GRX-0449	1/2" 4-Hub Round Outlet Box	1	4
GRX-0450	3/4" 4-Hub Round Outlet Box	1	4
GRX-0585	1" 4-Hub Round Outlet Box	1	4
GRX-0595	1 1/4" 4-Hub Round Outlet Box	1	2
GRX-0601	1 1/2" 4-Hub Round Outlet Box	1	2
GRX-0606	2" 4-Hub Round Outlet Box	1	2
GRXZ-0468	1/2" 5-Hub Round Outlet Box	1	4
GRXZ-0469	3/4" 5-Hub Round Outlet Box	1	4
GRXZ-0586	1" 5-Hub Round Outlet Box	1	4
GRXZ-0596	1 1/4" 5-Hub Round Outlet Box	1	2
GRXZ-0602	1 1/2" 5-Hub Round Outlet Box	1	2
GRXZ-0607	2" 5-Hub Round Outlet Box	1	2

Die Cast Aluminum Unions



Used to join conduit, or conduit to enclosures or other devices without rotation of the conduit. Allows access and removal of system components. Threaded for rigid or IMC. NPT tapered threads. Epoxy coat finish.

 File No. E198859

 Certified 105795

Class I, Groups C, D
 Class II, Groups E, F, G
 Class III
 Type 3, 4, 7, 9

Die Cast Aluminum Copper-free (4/10 of 1%)

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
TU-2992	1/2"	5	20
TU-2993	3/4"	5	20
TU-2994	1"	5	20
TU-2995	1 1/4"	2	10
TU-2996	1 1/2"	2	10
TU-2997	2"	1	5

Steel Hazardous Location Unions




UNF-1S



UNY-1S

Used to join conduit to enclosures or other devices without rotation of the conduit. Allows access and removal of system components. Threaded for rigid or IMC. NPT tapered threads.

 File No. E312219

Class I, Division 1 and 2, Groups A, B, C, D
 Class II, Groups E, F, G
 Class III
 Type 3, 4, 7, 9


Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
UNF-1S	1/2"	5	20
UNF-2S	3/4"	5	20
UNF-3S	1"	5	20
UNY-1S	1/2"	5	20
UNY-2S	3/4"	5	20
UNY-3S	1"	5	20

Threaded Insert Plugs



For use with hazardous location sealing fittings and outlet boxes to close up taped holes or hubs. Threaded NPT.

 File No. E198859

 Certified 105795

Class I, Division 1 and 2, Groups C, D
 Class II, Groups E, F, G
 Class III


Die Cast Aluminum Copper-free (4/10 of 1%)

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
TA-2943	1/2"	25	100
TA-2938	3/4"	25	100
TA-2937	1"	20	80
TA-2636	1 1/4"	20	80
TA-2637	1 1/2"	10	40
TA-2638	2"	10	40

Steel Reducing Bushings



Use to reduce the size of a taped hole or hub. NPT tapered threads.

 File No. E312219

Class I, Division 1 and 2, Groups A, B, C, D
 Class II, Groups E, F, G

Reducing Bushings

Catalog Number	Description	Unit Qty.	Std. Pkg. Qty.
1161-HZ	3/4" x 1/2" Reducing Bushing	25	100
1162-HZ	1" x 1/2" Reducing Bushing	25	100
1163-HZ	1" x 3/4" Reducing Bushing	20	80
1164-HZ	1 1/4" x 1/2" Reducing Bushing	20	80
1165-HZ	1 1/4" x 3/4" Reducing Bushing	20	80
1166-HZ	1 1/4" x 1" Reducing Bushing	20	80
1167-HZ	1 1/2" x 1/2" Reducing Bushing	10	50
1168-HZ	1 1/2" x 3/4" Reducing Bushing	10	50
1169-HZ	1 1/2" x 1" Reducing Bushing	10	50
1170-HZ	1 1/2" x 1 1/4" Reducing Bushing	10	50
1171-HZ	2" x 1/2" Reducing Bushing	10	50
1172-HZ	2" x 3/4" Reducing Bushing	10	50
1173-HZ	2" x 1" Reducing Bushing	10	50
1174-HZ	2" x 1 1/4" Reducing Bushing	10	50
1175-HZ	2" x 1 1/2" Reducing Bushing	10	50

Sealing Compound with Fiber Kit



Fiber is used to separate conductors from each other and from the sealing compound. The fiber then forms a dam within the sealing fittings that allows the poured sealing compound to harden in place. The sealing compound provides a seal between and around the conductors within the fittings. UL Listed for use with Bridgeport **EYS** and **EYS-N** series sealing fittings.

Sealing Materials

Catalog Number	Unit Size	Qty.	Std. Pkg. Qty.
CE-2571	2.2 lb.	1	4

Fiber



Fiber is used to separate conductors from each other and from the sealing compound. The fiber then forms a dam within the sealing fittings that allows the poured sealing compound to harden in place.

Sealing Materials

Catalog Number	Unit Size	Qty.	Std. Pkg. Qty.
FB-10	3.52 oz.	1	4

Jack Chain



701

703

Maximum safe load is 25 lbs.
Catalog 703 provided in convenient 300' bucket.

Steel

Catalog Number	Size	Description	Std. Pkg. Qty.
701	#12	100' Spool	800'
703	#12	300' Bucket	300'

"S" Hooks



Maximum safe load is 25 lbs.


Steel

Catalog Number	Size	Unit Qty.	Std. Pkg. Qty.
705	1 1/4"	100	1000

Safety Plates



Protects cable running through wooden studs from nails and screws.

 File No. E161206


Galvanized Steel

Catalog Number	Unit Qty.	Std. Pkg. Qty.
732-SP	100	500

Anti-Short Bushings “Redheads”



“Redheads” prevent damage to wire insulation when placed between the wire and armored sheath.

 File No. E11259

 File No. LR24719M5


Polyethylene - 90°C


Catalog Number	Trade Size	AC/MC Cable Size	Flex Trade Size	Unit Qty.	Std. Pkg Qty.
1000	0	14/2, 14/3, 12/2	5/16"	50	7000
1001	1	14/4, 12/3, 6/1, 4/1	3/8"	50	3500
1002	2	12/4, 10/2, 10/3, 2/1	---	50	7000
1003	3	10/4, 8/2, 8/3, 1/1	1/2"	20	2000
1004	4	8/4, 6/2, 6/3	3/4"	20	1600
			4/2, 4/3, 6/4		
1005	5	---	1"	25	100
1006	6	---	1 1/4"	10	40
1007	7	---	1 1/2"	10	40
1008	8	---	2" - 2 1/2"	10	40

Box Connectors



Used as a raceway between two boxes.

 File No. E11259

 File No. LR39354

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1191-DC2	1/2"	50	500

Knockout Plugs



Steel



Plastic

To cap unused knockout holes in box or enclosure.

Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
1691	1/2"	100	1000
1692	3/4"	100	1000
1693	1"	50	500
1694	1 1/4"	50	200
1695	1 1/2"	50	200
1696	2"	20	200


Plastic

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
9891	1/2"	100	1000
9892	3/4"	100	1000
9893	1"	50	500
9894	1 1/4"	50	500
9895	1 1/2"	25	250
9896	2"	20	100

Box Supports



Use to support FS box, outdoor lighting fixture, or similar devices, per NEC Article 370-23 requirements. Tapered threads (NPT) provide raintight seal. Simply assemble box support onto the box or fixture and fasten to steel rigid conduit or water pipe driven into the ground.

 File No. E161206: BS-050

Zinc Die Cast

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
BS-050	1/2"	25	100
BS-075	3/4"	25	100

Electrical Box Extender / Insulator




BXE-100



BXE-300

For use with most metallic or nonmetallic electrical boxes to extend box face. Simply slide non-conductive extender into box to correct setbacks up to 1". May also be used as an insulating barrier between metallic box and device. Extender / Insulator does not require trimming and is completely hidden by faceplate. Complies with NEC Article 314.20. Patented.

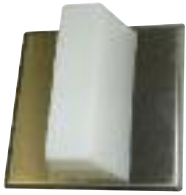
 File No. E216710

Available in single gang BXE-100, duplex BXE-200 or round BXE-300 configurations.

PVC

Catalog Number	Unit Qty.	Std. Pkg. Qty.
BXE-100	25	100
BXE-200	---	25
BXE-300	---	25

Dome Light Stations



Used to indicate the need for personal assistance in nursing homes, health care facilities, bathrooms and other areas where people frequent. Stations are provided with both red and white domes. Simply discard the dome that is not intended for use. Units are available with and without an audible buzzer in both 24VAC and 120VAC. They may be purchased as standalone stations or as call for aid packages. All units feature 2 internal lamps and a stainless steel faceplate.


 File No. E313390

Catalog Number	Description	Dome Color
CA-DL-24	24VAC dome light only	White or Red
CA-DL-120	120VAC dome light only	White or Red
CA-DLB-24	24VAC dome light with buzzer	White or Red
CA-DLB-120	120VAC dome light with buzzer	White or Red
CA-100-24	24VAC dome light, pull switch and transformer	White or Red
CA-100-120	120VAC dome light and pull switch	White or Red
CA-101-24	24VAC dome light with buzzer, pull switch and transformer	White or Red
CA-101-120	120VAC dome light with buzzer and pull switch	White or Red

Pull Cord Station



Provides for emergency call activation by pulling the supplied nylon cord downward. The call is reset at the station by simply pushing the activation switch upward. The station mounts in a standard single gang box. The units' stainless steel faceplate is marked "Emergency Pull For Help". 6 amps at 125VAC. DPST Switch.


 File No. E313390

Catalog Number	Description	Mounting
CA-PS	Pull Cord Station	Single Gang Box

Duct Seal



Used to seal around boxes, flashings and service entries. #1003 asbestos-free sealing compound is pliable, non-corrosive to metals and can be painted. For both indoor and outdoor use.

 File No. R14730

Catalog Number	Slug Size	Std. Pkg. Qty.
DS-100	1 lb.	50 Slugs
DS-500	5 lb.	10 Slugs

Adjustable Door Openers



Designed for mortise installations in both wood and metal jamb doors. The units are mounted in place of the regular door strike and provide the security of remote lock operation. The door remains locked (Fail Secure) until the door opener is electrically activated by a contact device. For use with locksets having up to 5/8" (15.9mm) throw. For AC operation, use with a Bridgeport T-603 transformer.

Use in commercial and industrial buildings to provide controlled area access. Units feature either a chrome or brass faceplate and a chrome latch. Fits left or right hand doors. 1/8" adjustable latch. 500,000 life cycles. 900 lbs. holding force.

Catalog Number	Description	Amps	Finish
DS-101B	16-24VAC/DC	.19 - .32	Brass
DS-101C	16-24VAC/DC	.19 - .32	Chrome

Steel Expansion Couplings for EMT



Low cost and easy to use. Assembles like a regular EMT set screw coupling. Use to compensate plus or minus 2" lateral movement of conduit in dry locations. Available for use with trade size 3/4" thru 4" steel EMT. To install simply slide coupling end stop onto fixed end of EMT and tighten set screw. Place movable EMT completely into coupling and mark engagement, remove EMT and mark half the distance of engagement, reinstall EMT to half distance. May be used with **optional Bonding Jumper Assembly cat. nos. BJ-100, BJ-200 and BJ-400.**

US Patent 6,715,803,B1



Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
EC-075	3/4"	15	60
EC-100	1"	10	40
EC-125	1-1/4"	8	40
EC-150	1-1/2"	6	30
EC-200	2"	---	4
EC-250	2-1/2"	---	1
EC-300	3"	---	1
EC-350	3-1/2"	---	1
EC-400	4"	---	1

2-1/2" thru 4" suitable for use with EMT or rigid conduit.

Firestop



A water-based, non-corrosive, non-toxic, odorless quality intumescent. The FS-1000 is rated 3000°F for 8 hours. Adheres to most construction materials including ceramics, composites, masonry, metal, plastic and wood. Can be safely removed with soap and water prior to curing. Paintable and sandable. Refer to www.bptfittings.com for installation instructions. Classified by Underwriters Laboratories as a non-combustible product in compliance with zero flame and zero smoke index.



Intumescent

Catalog Number	Cartridge Size	Unit Qty.	Std. Pkg. Qty.
FS-1000	10.5 fluid ounces	1	12

Low Voltage Device Holders for New Work



NMLV-100F



NMLV-200F




NMLV-100B



NMLV-200B

NMLV-100F and NMLV-200F used on 3/4" thick furring strips, 2" x 4" wood or steel stud. Provided with 2 nails for use on 2" x 4" wood stud. Use #6 flat head screws for steel stud or 3/4" thick furring strip.

NMLV-100B and NMLV-200B used on 2" x 4" wood or steel stud with 1/2" or 3/4" EMT. Provided with 2 nails for use on 2" x 4" wood stud. Use #6 flat head screws for steel stud. Steel bracket will accommodate 1/2" or 3/4" EMT connector. Patented.

 File No. E11259

PVC


Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
NMLV-100B	Single Gang	5	500
NMLV-100F	Single Gang	10	100
NMLV-200B	Double Gang	5	50
NMLV-200F	Double Gang	5	50

Door Light Switches



All purpose electric door switches for use anywhere that lights are turned on and off automatically by the opening and closing of a door. Units may be wired either normally open or normally closed. The units are shipped normally closed. The switch mounts using the 3" (76mm) on center mounting holes.

Units may be used on sliding or on hinged doors. Typical applications include closet doors, walk-in refrigerators, vault and photo labs. Models available for standard or narrow construction; refer to www.bptfittings.com for dimensions.

 Recognized Switch.

Catalog Number	Description	Finish
PB-301	Standard Door Light Switch	Painted Brass
PB-301N	Narrow Construction Door Light Switch	Painted Brass

Roof Flashings



RF-125 thru RF-250



RFN-125 thru RFN-400

Galvanized – for use with galvanized, plastic, or cast iron electrical service mast. Fits flats to 40°.

Neoprene – for use with copper, cast iron, galvanized, or plastic pipe. Fits up to 45° angle, not recommended for hot-mopped or built-up roofs.

Galvanized

Catalog Number	Size	Unit Qty.	Std. Pkg. Qty.
RF-125	1 1/4"	---	25
RF-150	1 1/2"	---	25
RF-200	2"	---	25
RF-250	2 1/2"	---	25

Neoprene

Catalog Number	Size	Unit Qty.	Std. Pkg. Qty.
RFN-125	1 1/4" - 1 1/2"	---	12
RFN-200	2"	---	12
RFN-250	2 1/2"	---	12
RFN-300	3"	---	12
RFN-400	4"	---	12


Swivel Fixture Hangers



SFS-75

SFR-75

Ball type swivel fixture covers for mounting pendant or fluorescent lighting fixtures to box. For lamps up to 50 lbs. maximum and 20° maximum swing from vertical. Tapped for use with 3/4" thread and furnished with 3/4" x 1/2" steel reducing bushing. Slotted cover holes for easy assembly to box. Malleable iron swivel, steel cover.

 File No. E235970

4" Square Box Cover

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
SFS-75	3/4"	1	10

4" Round or Octagonal Box Cover

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.
SFR-75	3/4"	1	10

Class 2 Signaling Transformers



T-601

T-602, T-603, T-604

Catalog Number	Primary	Secondary	
		Volts	VA
T-601	120VAC	16	10
T-602	120VAC	8	10
		16	10
		24	20
T-603	120VAC	8	20
		16	20
		24	30
T-604	120VAC	24	40

Low cost, highly reliable transformers that provide convenient low voltage power for a variety of commercial, residential and industrial purposes. All primary leads are pre-stripped for quick connection. Units mount in a standard 1/2" (13mm) knockout or surface mount using the provided locknut or clamp. The T-601 uses a standard locknut. The T-602, T603 and T-604 use an integral clamp. These transformers may be safely mounted in both plastic and metal back boxes.

The T-601 is ideal for doorbells, chimes and other light duty applications. The T-602, T-603 and T-604 offer higher power for longer wire runs.

 Listed File No. E208949

 Certified

HOW TO USE THIS GUIDE

This guide has been developed as an easy to use, technical reference for specifiers, contractors, and inspection authorities. It is intended for use as a guide in the selection of electrical fittings manufactured by Bridgeport Fittings, Inc. Do not use this manual as an interpretation of the National Electrical Code or local regulations. Always consult your local electrical inspector for requirements in your area.

Underwriters Laboratories, Canadian Standards Association, and Federal Specifications are current at time of publication, but are subject to change without prior notice. Current listings are noted on the smallest unit carton label. Look for the appropriate logo.

Due to ongoing product improvements or code changes, specifications and dimensions are subject to change without prior notice. For current product dimensions, consult our on-line catalog at www.bptfittings.com, or contact us.

For further assistance regarding information included in this guide, please call our Engineering Department at 203.377.5944.

DETAILED STANDARDS

The standards by which conduit fittings are manufactured are maintained on a current basis at the Bridgeport factory. (See Appendix IV)

All questions relating to the application of these standards are welcomed. Included are relevant Underwriters' laboratories standards, Federal Specifications, and ASTM and ANSI Standards. See Appendix I, II, & III to determine the applicability of appropriate CSA, UL, NEMA, and Federal Specifications identification, standard and file numbers.

NEC REFERENCES

National Electrical Code articles are referenced here. Included are those parts pertaining directly to use of fittings supplied by Bridgeport, together with those parts pertaining to conduits and cables for which such fittings are designed.

If you or your specifying engineers have any further questions about the application or interpretation of the NEC installations involving Bridgeport fittings, please call Bridgeport's engineering department.

Occasionally, contractors can make use of factory personnel or other resources to permit the use or substitution of Bridgeport for a specified brand or material of construction. This may enable you to standardize floor and truck inventories in order to simplify material specification and inventory investment.

DISSIMILAR METALS

The NEC requires, where applicable, dissimilar metals in contact anywhere in the system shall be avoided to eliminate the possibility of galvanic action (NEC Articles 110.14 & 250.70), Steel EMT, steel rigid conduit, steel straps and hangers, and steel outlet and junction boxes are almost universally plated or

coated with zinc or other corrosion inhibitor. Wherever Bridgeport's fittings come in contact with these raceway components, similar metals are touching, since the fittings themselves are constructed of zinc or have zinc-plated steel parts. Use of our products in the application for which they are designed, will be compliant to this requirement.

RoHS COMPLIANCE & ENVIRONMENTAL STATEMENTS

The directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (commonly referred to as the Restriction of Hazardous Substances Directive or RoHS) was adopted in February 2003 by the European Union. The RoHS directive took effect on July 1, 2006, and is required to be enforced and become law in each member state of the EU. This directive restricts the use of six hazardous materials in the manufacture of various types of electronic and electrical equipment. It is closely linked with the Waste Electrical and Electronic Equipment Directive (WEEE) which sets collection, recycling and recovery targets for electrical goods and is part of a legislative initiative to solve the problem of huge amounts of toxic e-waste.

The following substances are restricted by RoHS:

1. Lead
2. Mercury
3. Cadmium
4. Hexavalent chromium (chromium xxx or Cr6+)
5. Polybrominated biphenyls (PBB)
6. Polybrominated diphenyl ether (PBDE)

All of Bridgeport's products comply with the RoHS Directive. As a side note, many of our products are exempt from the RoHS Directive, as they are typically used in fixed industrial/commercial buildings and equipment.

Bridgeport Fittings, Inc. is committed to being environmentally responsible. We have obtained and maintain the proper permits, and have proper waste disposal processes and procedures in place to make sure we are compliant with all local, state, and federal environmental regulations. We also recycle our zinc scrap in house to reduce our impact on the environment.



Bridgeport Fittings, Inc. does not use any Ozone Depleting Substances in the manufacture of its products.

APPENDIX I



Listing File Numbers

CATEGORY	FILE No.
Armored Cable Connectors, Type AC	E20534
Armored Cable Connectors, Type AC Certified for Canada	E20534
Caulking and Sealants Certified for Canada	R25422
Caulkings and Sealants	R25422
Conduit and Cable Hardware	E161206
Conduit and Cable Hardware Certified for Canada	E161206
Conduit Fittings	E191572
Conduit Fittings Certified for Canada	E24001
Conduit Fittings Certified for Canada	E191572
Conduit Fittings for Use in Hazardous Locations	E312219
Electrical Metallic Tubing Fittings	E24001
Electrical Metallic Tubing Fittings Certified for Canada	E24001
Metal-clad Cable Connectors, Type MC	E191676
Metallic Outlet Boxes	E11077
Metallic Outlet Boxes Certified for Canada	E11077
Nonmetallic-sheathed Cable Connectors	E11698
Optical Fiber/Communications/Signaling/Coaxial Cable Outlet Boxes	E302367
Optical Fiber/Communications/Signaling/Coaxial Cable Outlet Boxes Certified for Canada	E302367
Outlet Bushings and Fittings	E11259
Outlet Bushings and Fittings Certified for Canada	E11259
Tape, General Use	R14730
Transformers, Class 2 and Class 3	E308949
Visual-signal Appliances	E312242
Visual-signal Appliances	E305841
Visual-signal Appliances Certified for Canada	E312242
Visual-signal Appliances Certified for Canada	E305841
Wire Connectors and Soldering Lugs	E155561

APPENDIX II



Listing File Numbers

Class	Class Description	File Number
9052-01	INSULATING DEVICES AND MATERIALS-Bushings	71053
4412-01	OUTLET BOXES AND FITTINGS-Bushings, Fittings	039354_0_000
4412-02	CONDUIT FITTINGS-Fittings For Metal Conduit	039354_0_000
4412-03	CONDUIT FITTINGS - Fittings For-Nonmetallic Conduit	039354_0_000
4414-01	FITTINGS-Armored Cable	039354_0_000
4414-03	FITTINGS-Electrical Metallic Tubing (EMT) - Steel	039354_0_000
4414-05	FITTINGS-Non-Metallic Sheathed Cable	039354_0_000
4414-08	FITTINGS-Cable - Hardware	039354_0_000
4415-01	STAPLES AND STRAPS-Armored Cable	039354_0_000
4415-02	STAPLES AND STRAPS-Conduit	039354_0_000
4415-04	STAPLES AND STRAPS-Electrical Metallic Tubing (EMT)	039354_0_000
9085-01	AUTHORIZED PACKAGERS OF CSA CERTIFIED PRODUCTS-	052255_0_000
4412-02	CONDUIT FITTINGS-Fittings For Metal Conduit	702847
4415-02	STAPLES AND STRAPS-Conduit	702847
4412-02	CONDUIT FITTINGS-Fittings For Metal Conduit	74878
4414-05	FITTINGS-Non-Metallic Sheathed Cable	74878
4418-02	OUTLET BOXES AND FITTINGS-Boxes - For Hazardous Locations	237741
4418-03	CONDUIT FITTINGS-Fittings - For Hazardous Locations	237741

APPENDIX III

Bridgeport products listed by Underwriters Laboratories & CSA comply with the following specifications:

Product Group	UL Standard	CSA Standard	NEMA Standard	Federal Specification
Rigid & IMC Conduit Bodies	UL-514A	C22.2 18.3-04	FB-1	A-A-50563
Rigid & IMC Conduit Fittings	UL-514B	C22.2 18.3-04	FB-1	A-A-50553
EMT Fittings	UL-514B	C22.2 18.3-04	FB-1	A-A-50553
Liquid Tight Fittings	UL-514B	C22.2 18.3-04	FB-1	A-A-50552
Portable Cord Fittings	UL-514B	C22.2 18.3-04	FB-1	A-A-50552
Flexible Metal & AC/MC Cable Fittings	UL-514B	C22.2 18.3-04	FB-1	A-A-50552
Nonmetallic Cable Fittings	UL-514B	C22.2 18.3-04	FB-1	A-A-50552
Grounding Fittings	UL-467	C22.2 18.3-04	FB-1	A-A-50552
Service Entrance Fittings	UL-514B	C22.2 18.3-04	FB-1	A-A-50563



APPENDIX IV

Summary of current technical standards maintained on file by Bridgeport Fittings engineering department*:

Governing Body	Standard No.
American National Standards Institute (ANSI)	Z540
	NEMA FB 1
	ANSI Z1.4-A971
American Society for Testing and Materials (ASTM)	ASTM B86
	ASTM B117
	ASTM B240
	ASTM B633
Canadian Standards Association (CSA)	C22.2 No. 0
	C22.2 No.18
	C22.2 No. 25
	C22.2 No. 30
Governing Body	Standard No.
Underwriters Laboratories, Inc. (UL)	UL 1
	UL 3
	UL 4
	UL 6
	UL 62
	UL 94V
	UL 360
	UL 467
	UL 486A
	UL 486B
	UL 514A
	UL 514B
	UL 514C
	UL 651
	UL 651A
	UL 719
	UL 746A
	UL 746B
	UL 746C
	UL 746D
	UL 797
	UL 869
UL 870	
UL 886	
United States of America Federal Specifications	A-A-50552
	A-A-50553
	A-A-50563
United States of America Military Specifications	MIL-Q-9858
	MIL-I-45208
	MIL-C-45662

* If required, other standards may be obtained as needed.

APPENDIX V

Bridgeport Fittings, Inc.
Other Raw Material Specifications

Steel, SAE 1050 Series

(Fittings, covers, brackets, straps)

Mechanical Properties	
Tensile Strength, Yield (PSI)	45000-90000
Elongation Ultimate %	0-39
Hardness (Rockwell) (varies by temper)	B55 to B90

Plastic, Polypropylene (Insulating Bushings, Metaliners, Insulators, Lock-A-Liners)

Mechanical Properties	
Tensile Strength, Yield (PSI)	3600-4200
Elongation Ultimate %	3-15
Impact Strength Izod, Notched (Ft.-Lb./In.)	2.2
Hardness	R60-R105

Plastic, Polypropylene, High Density (Liquid Tight Gland Seals and Pull Caps)

Mechanical Properties	
Tensile Strength, Yield (PSI)	3400-3800
Elongation Ultimate %	600-900
Impact Strength Izod, Notched (Ft.-Lb./In.)	1.2-2.0
Hardness	D60-70

Plastic, Polypropylene, Medium Density (Liquid Tight Knockout Gaskets, Anti-Short Bushings)

Mechanical Properties	
Tensile Strength, Yield (PSI)	2000
Elongation Ultimate %	200
Impact Strength Izod, Notched (Ft.-Lb./In.)	----
Hardness	D55

Plastic, Electrical Grade Rigid PVC (Box Extenders, device holders)

Mechanical Properties	ASTM Method
Tensile Strength, PSI	6200 D638
Ultimate Elongation, %	150 D638
Flexural Strength, PSI	11900 D790
Flexural Modulus, PSI	435000 D790
Heat Deflection Temp. (1/8" Un-annealed)	158°F(70°C) D648

APPENDIX VI

Bridgeport Fittings, Inc. Casting Alloy Material Specifications

Die Cast Zinc, Alloy #7 (ZAMAK)

Mechanical Properties (as cast)

Tensile Strength, PSI	41000
Impact Strength - Ft./Lbs. Charpy	40
Brinell Hardness, 500kg 20mm 30 sec	76
Elongation in 2", %	14
Shear Strength, PSI	31000
Compressive Strength	60000
Mod. of Rupture, PSI	95000

Physical Properties

Melting Point (°F)	728
Density (Lbs./Cu. In.)	.240
Coefficient of Thermal Expansion (uln./In. x 10 - 6 Deg. F)	15.2
Specific Conductivity	.10
Thermal Conductivity (Cal./Sec. Sq.-Cm./Degrees C)	.27
Elec.Conductivity,%Cu Std.	26

Chemical Compositions %

Al	3.5 - 4.3
Mg	.005 - .020
Cu Max.	.25
Fe Max.	.075
Pb Max.	.003
Cd. Max	.002
Sn Max.	.001
Ni	.005 - .020
Zn*	Remainder

*99.99+ % Purity

Note: Zinc base alloy ingot for die casting may contain nickel, chromium, silicon, and manganese in amounts up to their solubility (0.02%, 0.02%, 0.035%, and about 0.5% respectively) at the freezing temperature.

No harmful effects have ever been noted due to the presence of these elements in these concentrations, and therefore analyses are not required for these elements.

Die Cast Zinc, Alloy #3 (ZAMAK)

Mechanical Properties (as cast)

Tensile Strength, PSI	41000
Impact Strength - Ft./Lbs. Charpy	40
Brinell Hardness, 500kg 20mm 30 sec	76
Elongation in 2", %	14
Shear Strength, PSI	31000
Compressive Strength	60000
Mod. of Rupture, PSI	95000

Physical Properties

Melting Point (°F)	728
Density (Lbs./Cu. In.)	.240
Coefficient of Thermal Expansion (uln./In. x 10 - 6 Deg. F)	15.2
Specific Conductivity	.10
Thermal Conductivity (Cal./Sec. Sq.-Cm./Degrees C)	.27
Elec.Conductivity,%Cu Std.	26

Chemical Compositions %

Al	3.5 - 4.3
Mg	.020 - .05
Cu Max.	.25
Fe Max.	.10
Pb Max.	.005
Cd. Max	.004
Sn Max.	.003
Ni	-
Zn*	Remainder

*99.99+ % Purity

Note: Zinc base alloy ingot for die casting may contain nickel, chromium, silicon, and manganese in amounts up to their solubility (0.02%, 0.02%, 0.035%, and about 0.5% respectively) at the freezing temperature.

No harmful effects have ever been noted due to the presence of these elements in these concentrations, and therefore analyses are not required for these elements.

APPENDIX VI (continued)

Sand Cast Zinc, Alloy ZA-12

Mechanical Properties (as cast)

Tensile Strength, PSI	40000-45000
Yield Strength .2% Offset, PSI	3000
Elongation in 2", %	1-3
Brinell Hardness	92-96

Physical Properties

Melting Point (°F)	710-810
Density (Lbs./Cu. In.)	.218
Elec. Conductivity (% IACS)	25

Chemical Compositions %

Al	11
Mg	.02
Cu	.75
Zn	Remainder

Die Cast Aluminum, Alloy 380

Mechanical Properties (as cast)

Tensile Strength, PSI	46000
Yield Strength, PSI	23000
Elongation in 2", %	2.5
Brinell Hardness	80

Physical Properties

Solid temperature Range, (°F)	1000-1100
Density (Lbs./Cu. In.)	.098
Electrical Conductivity (% IACS)	23

Chemical Compositions %

Si	7.5-9.5
Cu	3.0-4.0
Mg Max.	0.10
Zn Max.	3.0
Fe Max.	2.0
Mn Max.	0.50
Al	Remainder

Sand Cast Malleable Iron, Ferritic

Mechanical Properties (as cast)

Min. Tensile Strength, PSI	50000
Min. Yield Strength, PSI	32000
Min. Elongation in 2", %	10
Brinell Hardness	156

Standards

ASTM Spec. A-47-77	Grade 32510
SAE Spec. J158	Grade M3210

Sand Cast Ductile Iron

Mechanical Properties (as cast)

Min. Tensile Strength, PSI	60000
Min. Yield Strength, PSI	40000
Min. Elongation in 2", %	18

Standards

ASTM A536-80	Grade 32510
MIL-I-11466	Class 6

Sand Cast Yellow Brass

Mechanical Properties (as cast)

Min. Tensile Strength, PSI	38000
Min. Yield Strength, PSI	-
Min. Elongation in 2", %	17

Standards

Commercial Grade	
------------------	--

Sand Cast Red Brass (Bronze)

Mechanical Properties (as cast)

Min. Tensile Strength, PSI	37000
Min. Yield Strength, PSI	-
Min. Elongation in 2", %	17

Standards

ASTM B-62-52, B-145-52-4A	
MIL-B-16444	
SAE 40	

APPENDIX VII

UL 797, Recommended Dimensions For EMT Conduit

Trade Size	O.D.		I.D.
	Min.	Max.	
1/2"	.701"	.711"	.622"
3/4"	.917"	.927"	.824"
1"	1.158"	1.168"	1.049"
1-1/4"	1.505"	1.515"	1.380"
1-1/2"	1.735"	1.745"	1.610"
2"	2.192"	2.202"	2.067"
2-1/2"	2.865"	2.885"	2.731"
3"	3.485"	3.515"	3.356"
3-1/2"	3.980"	4.020"	3.834"
4"	4.480"	4.520"	4.334"

UL1, Recommended Dimensions For Flexible Metal Conduit

Trade Size	O.D.		I.D.	
	Min.	Max.	Min.	Max.
3/8"	.560"	.610"	.375"	.393"
1/2"	.860"	.920"	.625"	.645"
3/4"	1.045"	1.105"	.812"	.835"
1"	1.300"	1.380"	1.000"	1.040"
1-1/4"	1.550"	1.630"	1.250"	1.300"
1-1/2"	1.850"	1.950"	1.500"	1.575"
2"	2.350"	2.450"	2.000"	2.080"
2-1/2"	2.860"	3.060"	2.500"	-----
3"	3.360"	3.560"	3.000"	-----
3-1/2"	3.860"	4.060"	3.500"	-----
4"	4.360"	4.560"	4.000"	-----

UL 6, Recommended Dimensions For Rigid Conduit

Trade Size	Threads Per Inch	O.D.		I.D.	
		Min.	Max.	Min.	Max.
1/2"	14	.840"	.840"	.622"	.622"
3/4"	14	1.050"	1.050"	.824"	.824"
1"	11-1/2	1.315"	1.315"	1.049"	1.049"
1-1/4"	11-1/2	1.660"	1.660"	1.380"	1.380"
1-1/2"	11-1/2	1.900"	1.900"	1.610"	1.610"
2"	11-1/2	2.375"	2.375"	2.067"	2.067"
2-1/2"	8	2.875"	2.875"	2.469"	2.469"
3"	8	3.500"	3.500"	3.068"	3.068"
3-1/2"	8	4.000"	4.000"	3.548"	3.548"
4"	8	4.500"	4.500"	4.026"	4.026"
5"	8	5.563"	5.563"	5.047"	5.047"
6"	8	6.635"	6.635"	6.065"	6.065"

UL 360, Recommended Dimensions For Liquid Tight Flexible Steel Conduit

Trade Size	O.D.		I.D.	
	Min.	Max.	Min.	Max.
3/8"	.690"	.710"	.484"	.504"
1/2"	.820"	.840"	.622"	.642"
3/4"	1.030"	1.050"	.820"	.840"
1"	1.290"	1.315"	1.041"	1.066"
1-1/4"	1.630"	1.660"	1.380"	1.410"
1-1/2"	1.865"	1.900"	1.575"	1.600"
2"	2.340"	2.375"	2.020"	2.045"
2-1/2"	2.840"	2.875"	2.480"	2.505"
3"	3.460"	3.500"	3.070"	3.100"
3-1/2"	3.960"	4.000"	3.500"	3.540"
4"	4.460"	4.500"	4.000"	4.040"

APPENDIX VIII

Die Cast Aluminum Conduit Bodies

Trade Size	Maximum Number of Conductors				
	LB	C	LL	LR	T
1/2"	N/A	N/A	N/A	N/A	N/A
3/4"	#6 AWG	#6 AWG	#6 AWG	#6 AWG	#6 AWG
1"	3 #4 AWG	3 #4 AWG	3 #4 AWG	3 #4 AWG	3 #4 AWG
1 1/4"	3 #2 AWG	3 #2 AWG	3 #2 AWG	3 #2 AWG	3 #2 AWG
1 1/2"	3 #2 AWG	3 #1/0 AWAG	3 #1/0 AWAG	3 #1/0 AWAG	3 #1/0 AWAG
2"	3 #4/0 AWG	3 #4/0 AWG	3 #4/0 AWG	3 #4/0 AWG	3 #4/0 AWG
2 1/2"	3 #4/0 AWG	3 #250 MCM	3 #300 MCM	3 #300 MCM	3 #4/0 AWG
3"	3 #4/0 AWG	3 #250 MCM	3 #350 MCM	3 #350 MCM	3 #4/0 AWG
3 1/2"	3 #400 MCM	3 #300 MCM	3 #350 MCM	3 #350 MCM	3 #400 MCM
4"	3 #400 MCM	3 #300 MCM	3 #350 MCM	3 #350 MCM	3 #400 MCM

Trade Size	Volume in Cu. In.				
	LB	C	LL	LR	T
1/2"	4.35	4.35	4.35	4.35	4.35
3/4"	7.3	7.3	7.3	7.3	7.3
1"	12.0	12.2	12.2	12.2	12.2
1 1/4"	32.3	33.5	35.8	35.8	33.1
1 1/2"	33.8	33.5	35.8	35.8	33.1
2"	71.2	69.5	69.7	69.7	67.0
2 1/2"	71.2	69.5	69.7	69.7	67.0
3"	183.5	188.0	186.0	186.0	175.0
3 1/2"	304.9	307.0	306.0	306.0	298.0
4"	308.0	309.0	308.0	308.0	300.0

Malleable Iron Conduit Bodies

Trade Size	Maximum Number of Conductors				
	LB	C	LL	LR	T
1/2"	N/A	N/A	N/A	N/A	N/A
3/4"	3 #6 AWG	3 #6 AWG	3 #6 AWG	3 #6 AWG	3 #6 AWG
1"	3 #4 AWG	3 #4 AWG	3 #4 AWG	3 #4 AWG	3 #4 AWG
1 1/4"	3 #2 AWG	3 #2 AWG	3 #2 AWG	3 #2 AWG	3 #2 AWG
1 1/2"	3 #1/0 AWG	3 #1/0 AWAG	3 #1/0 AWAG	3 #1/0 AWAG	3 #1/0 AWAG
2"	3 #4/0 AWG	3 #4/0 AWG	3 #4/0 AWG	3 #4/0 AWG	3 #2/0 AWG
2 1/2"	3 #300 MCM	3 #300 MCM	3 #300 MCM	3 #300 MCM	3 #4/0 AWG
3"	3 #350 MCM	3 #350 MCM	3 #350 MCM	3 #350 MCM	3 #4/0 AWG
3 1/2"	3 #500 MCM	3 #500 MCM	3 #500 MCM	3 #500 MCM	3 #350 MCM
4"	3 #500 MCM	3 #500 MCM	3 #500 MCM	3 #500 MCM	3 #350 MCM

Trade Size	Volume in Cu. In.				
	LB	C	LL	LR	T
1/2"	4.5	4.5	4.5	4.5	4.0
3/4"	7.5	7.5	7.5	7.5	7.0
1"	12.5	12.5	12.5	12.5	12.0
1 1/4"	32.3	32.3	32.3	32.3	32.0
1 1/2"	32.3	32.3	32.3	32.3	32.0
2"	73.0	73.0	73.0	73.0	70.0
2 1/2"	138.0	138.0	138.0	138.0	130.0
3"	170.0	170.0	170.0	170.0	168.0
3 1/2"	300.0	300.0	300.0	300.0	290.0
4"	328.0	328.0	328.0	328.0	324.0

APPENDIX IX

Connector Compatibility

Cable Fitting	Enclosure Opening K.O. Size	Cable Outer Diameter (O.D.) Range	Cable Types Listed To: Note: Includes Steel and Aluminum	Healthcare Facility Cable	Flexible Metal Conduit Note: Includes Steel and Aluminum (RWFMC)	Recommended Cable Types Note: Verify with cable O.D. Includes Steel and Aluminum
38ASP	1/2"	.43-.61	AC/MC/MCIA	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
380SP	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
3838ASP	1/2"	.38-.59	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/2
3838SP	1/2"	.38-.59	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/2
403-DC2	1/2"	.56-.61	AC/MC	HCF	3/8" FMC	12/3 to 10/3
407-DC2	1/2"	.86-.92	AC	HCF		
407-DCI2	1/2"	.86-.92	AC	HCF		
501-DC2	1/2"	.43-.61	MC ONLY			14/2 - 10/3
545-DC2	1/2"	.44-.61	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 - 10/3
560ASP	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
560-DC2	1/2"	.44-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	12/2 to 10/4
560-DCI2	1/2"	.44-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	12/2 to 10/4
560MCIA	1/2"	.38-.55	MC/MCI-A	HCFMCI-A		14/2 - 10/3
560-MCIA2	1/2"	.38-.61	MC/MCI-A	HCFMCI-A		14/2 to 10/3
560SP	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
561-DC2	3/4"	.61-.87	AC/MC	HCF		10/4 to 8/3
561-DCI2	3/4"	.61-.87	AC/MC	HCF		10/4 to 8/3
563-DC2	1/4"		AC/MC	HCF		14/2 to 12/2
565-DC2	1/2"	.38-.53	MC/MCI-A	HCFMCI-A		14/2 to 10/3
566-DC2	1/2"	.44-.53	AC/MC/MCI-A	HCF/HCFMCI-A		12/2 to 10/3
570-DC2	1/2"	.38-.61	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 to 10/3
570-DCI2	1/2"	.38-.61	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 to 10/3
570-DCR2	1/2"	.38-.61	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 to 10/3
570-GI	1/2"	.38-.61	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 to 10/3
570-RI	1/2"	.38-.61	AC/MC/MCI-A	HCF/HCFMCI-A		18/2 - 12/4
571-DC2	1/2"	.70-.855	AC/MC/MCI-A	HCF/HCFMCI-A	1/2" FMC	8/3 - 6/3
571-DCI2	1/2"	.70-.855	AC/MC/MCI-A	HCF/HCFMCI-A	1/2" FMC	8/3 - 6/3
571-S	1/2"	.701-.855	MC/MCI-A	HCFMCI-A	1/2" FMC	8/3 - 6/3
571-SI	1/2"	.701-.855	MC/MCI-A	HCFMCI-A	1/2" FMC	8/3 - 6/3
572-DC2	3/4"	.945-1.035	MC		3/4" FMC	4/3 - 3/4
572-DCI2	3/4"	.945-1.035	MC		3/4" FMC	4/3 - 3/4
572-S	3/4"	0.945	MC		3/4" FMC	4/3
572-SI	3/4"	0.945	MC		3/4" FMC	4/3
573-DC2	1"	1.18-1.35	MC		1" FMC	2/3 - 3 2/0
573-DCI2	1"	1.18-1.35	MC		1" FMC	2/3 - 3 2/0
573-S	1"	1.18-1.35	MC		1" FMC	2/3 - 3 2/0
573-SI	1"	1.18-1.35	MC		1" FMC	2/3 - 3 2/0
590-DC2	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
590-DCI2	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
595-DC2	1/2"	.50-.61	JMC/ TECK90			12/2 - 10/3
595-DC2C	1/2"	.50-.61	JMC/ TECK90			12/2 - 10/3
595-DCI2	1/2"	.50-.61	JMC/ TECK90			12/2 - 10/3

APPENDIX IX (continued)

Connector Compatibility

Cable Fitting	Enclosure Opening K.O. Size	Cable Outer Diameter (O.D.) Range	Cable Types Listed To: Note: Includes Steel and Aluminum	Healthcare Facility Cable	Flexible Metal Conduit Note: Includes Steel and Aluminum (RWFMC)	Recommended Cable Types Note: Verify with cable O.D. Includes Steel and Aluminum
596-DC2	1/2"	.61-.69	JMC/ TECK90			10/4 to 8/3
596-DC2C	1/2"	.61-.69	JMC/ TECK90			10/4 to 8/3
596-DCI2	1/2"	.61-.69	JMC/ TECK90			10/4 to 8/3
601-DC2	1/2"	.375-.625	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
653-DC2	1/2"	.675-.90	AC	HCF	1/2" FMC	8/2 - 6/4
655-DC2	3/4"	.85-1.10	AC/MC	HCF	3/4" FMC	6/3 - 4/3
657-DC2	1"	1.03-1.31	AC/MC	HCF	1" FMC	4/3 - 1/3
682-DC2	3/4"	.575-.875	AC/MC	HCF		10/3 to 6/4
683-DC2	1"	.875-1.04	MC			6/4 to 4/3
684-DC2	1-1/4"	1.1-1.25	MC			4/4 to 3/4
685-DC2	1-1/2"	1.25-1.5	MC			2/4 to 3-2/0
686-DC2	2"	1.75-2.00	MC			4-4/0 to 4-250 MCM
687-DC2	2-1/2"	2-2.5	MC			4-300 MCM to 4-500 MCM
688-DC2	3"	2.375-3	MC			4-500 MCM to 4-750 MCM
689-DC2	3-1/2"	2.75-3.50	MC			4-600 MCM to 4-750 MCM
683-DCI2	1"	.750-1.04	MC			6/4 to 4/3
684-DCI2	1-1/4"	1.1-1.25	MC			4/4 to 3/4
685-DCI2	1-1/2"	1.25-1.5	MC			2/4 to 3-2/0
686-DCI2	2"	1.75-2.00	MC			4-4/0 to 4-250 MCM
687-DCI2	2-1/2"	2-2.5	MC			4-300 MCM to 4-500 MCM
688-DCI2	3"	2.375-3	MC			4-500 MCM to 4-750 MCM
689-DCI2	3-1/2"	2.75-3.50	MC			4-600 MCM to 4-750 MCM
683-DCX2	1"	.875-1.04	MC			6/4 to 4/3
684-DCX2	1-1/4"	1.1-1.25	MC			4/4 to 3/4
685-DCX2	1-1/2"	1.25-1.5	MC			2/4 to 3-2/0
686-DCX2	2"	1.5-1.85	MC			3-4/0 to 4-250 MCM
687-DCX2	2-1/2"	2-2.5	MC			4-300 MCM to 4-500 MCM
688-DCX2	3"	2.375-3	MC			4-500 MCM to 4-750 MCM
689-DCX2	3-1/2"	2.75-3.50	MC			4-600 MCM to 4-750 MCM
683-XM	1"	0.81-1.05	AC/MC	HCF		6/4 to 4/3
684-XM	1-1/4"	1.05-1.27	AC/MC	HCF		4/4 to 3/4
685-XM	1-1/2"	1.27-1.4	AC/MC	HCF		4-2/0 to 3-350 MCM
686-XM	2"	1.4-1.94	AC/MC	HCF		3-4/0 to 4-250 MCM
687-XM	2-1/2"	1.94-2.4	MC			4-300 MCM to 4-500 MCM
688-XM	3"	2.4-2.9	MC			4-500 MCM to 4-750 MCM
689-XM	3-1/2"	2.6-3.2	MC			4-600 MCM to 4-750 MCM
691-DC2	1/2"	.42-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
801-DC2	1/2"	.45-.625	MC/MCI-A	HCFMCI-A	3/8" FMC	14/4 - 10/4
802ASP	1/2"	.48-.58	AC/MC	HCF	3/8" FMC	12/2 to 10/3
802-DC2	1/2"	.48-.58	AC/MC	HCF	3/8" FMC	12/2 to 10/3
802-DCI2	1/2"	.48-.58	AC/MC	HCF	3/8" FMC	12/2 to 10/3

APPENDIX IX (continued)

Connector Compatibility

Cable Fitting	Enclosure Opening K.O. Size	Cable Outer Diameter (O.D.) Range	Cable Types Listed To: Note: Includes Steel and Aluminum	Healthcare Facility Cable	Flexible Metal Conduit Note: Includes Steel and Aluminum (RWFMC)	Recommended Cable Types Note: Verify with cable O.D. Includes Steel and Aluminum
802SP	1/2"	.48-.58	AC/MC	HCF	3/8" FMC	12/2 to 10/3
802MCIA	1/2"	.42-.55	MC/MCI-A	HCFMCI-A		14/4 to 10/3
802-MCIA2	1/2"	.42-.55	MC/MCI-A	HCFMCI-A		14/4 to 10/3
804-DC2	1/2"	.75-.875	MC		1/2" FMC	
804-DCI2	1/2"	.75-.875	MC		1/2" FMC	
806-DC2	3/4"	.875-1.00	MC		3/4" FMC	
806-DCI2	3/4"	.875-1.00	MC		3/4" FMC	
807-DC2	1"	1.187-1.312	MC		1" FMC	
807-DCI2	1"	1.187-1.312	MC		1" FMC	
808-DC2	1-1/4"	1.50-1.625	MC		1-1/4" FMC	
808-DC2	1-1/4"	1.50-1.625	MC		1-1/4" FMC	
830-DC2	1/2"	.44-.61	AC	HCF	3/8" FMC	12/2 - 10/3
8400ASP	1/2"	.38-.525	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 - 12/3
8400SP	1/2"	.38-.61	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 - 10/3
840SP	1/2"	.44-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/4 - 10/3
845ASP	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 - 10/3
845SP	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A		14/2 - 10/3
84690SP	1/2"	.42-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/4 - 10/3
846SP	1/2"	.38-.625	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/4
850SP	1/2"	.55-.61	AC/MC	HCF	3/8" FMC	12/2 - 10/3
851ASP	1/2"				1/2" FMC	
851-DC2	1/2"				1/2" FMC	
851-DCI2	1/2"				1/2" FMC	
851SP	1/2"				1/2" FMC	
895-DC2	1/2"	.50-.61	JMC/ TECK90			12/2 - 10/3
895-DCI2	1/2"	.50-.61	JMC/ TECK90			12/2 - 10/3
AMC-50	1/2"	.40-.62	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 to 10/3
AMC-5075	1/2"	.62-.92	AC/MC/MCI-A	HCF/HCFMCI-A	1/2" FMC	10/4 to 6/4
AMC-52	1/2"	.43-.62	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 to 10/3
AMC-75	3/4"	.56-.81	AC/MC	HCF	1/2" FMC	10/3 - 6/3
BL-17	1/2"	.701-803	8/3 AC90	HCF	1/2" FMC	8/3 - 6/3
BL-17I	1/2"	.701-803	8/3 AC90	HCF	1/2" FMC	8/3 - 6/3
BL-18	3/4"		6/3 AC90 ONLY		3/4" FMC	6/3
BL-18I	3/4"		6/3 AC90 ONLY		3/4" FMC	6/3
BL-19	1"		3/3 AC90		1" FMC	3/3
BL-19I	1"		3/3 AC90		1" FMC	3/3
SG3838ASP	1/2"	.42-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/2 - 10/3
SG38ASP	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/4 - 10/3
SG38SP	1/2"	.43-.61	AC/MC/MCI-A	HCF/HCFMCI-A	3/8" FMC	14/4 - 10/3
SG38MCIA	1/2"	.38-.56	MC/MCI-A	HCFMCI-A		14/2 - 10/3

The following FAQ'S are not an interpretation of the National Electrical Code (NEC) or local regulations. Always consult your local electrical inspector for specific requirements in your area.

Why Can't Plastic Insulating Bushings Be Used To Connect A Conduit To An Enclosure?



Plastic insulating bushings must be used in conjunction with two locknuts when connecting threaded rigid or IMC conduit, containing #4 or larger un-grounded conductors, to boxes or enclosures.

Bushings composed entirely of plastic cannot be used to secure conduit to the enclosure. A locknut is required on the inside and outside of the enclosure in addition to the plastic insulating bushing.

Temperature rating of the plastic insulating bushing must not be less than the insulation rating of the conductors.

What Is The Proper Method For Securing AC and MC Cables?



NEC Articles 320.30 and 330.30 denotes the different requirements for securing Armored and Metal Clad cables. Although similar in appearance, each cable has unique requirements.

Armored cable [NEC Article 320.30(C)] must be secured at intervals not exceeding 4-1/2 feet and within 12" of box or fitting.

Metal Clad cable [NEC Article 330.30(B)] must be secured at least every 6 feet. Cables with four or fewer conductors "sized #10 AWG or less" must be secured within 12" of box or fitting.

Why Use Steel Safety Plates?



NEC Article 300.4(F) specifies that cable or raceway-type wiring may be installed in wooden stud grooves, to be covered by wallboard or similar covering, if protected by 1/16" thick steel plate. The steel plate must have the same width as the stud, and must be securely fastened to the stud.

Why Do "Concrete-Tight" Listed Fittings Need Tape?



Raceway systems such as EMT and rigid conduit are permitted by most codes to be embedded in concrete. The solid exterior of these conduits eliminates the possibility of concrete entrance, however, the termination with the connector or coupling can be susceptible to concrete entering the raceway.

The UL 514B testing procedure requires the connector or coupling to be assembled to the conduit inside a special concrete form. Then Portland-type concrete is poured into the form and over test samples. Then the concrete slurry is vibrated to remove any trapped air, and allowed to cure. After concrete curing, the fittings are chipped out of the concrete and examined for concrete penetration.

Although compression style connectors and couplings pass these tests in all trade sizes because of the gland ring design, the set screw types may have difficulty conforming to UL or CSA concrete penetration requirements. When the set screw is tightened onto the conduit, the fitting and/or conduit material will "yield", or stretch, enough to create an opening at the conduit/fitting connection.

Set screw fittings in the smaller (1/2", 3/4", and 1") trade sizes are less likely to stretch to the point that would permit entrance of concrete. However, 1-1/4" and larger size fittings will yield enough so that concrete can enter the raceway. UL and CSA will accept product carton marking

that specify "Concrete-Tight When Taped" on fittings that cannot pass testing, since the tape prevents entrance of concrete into the raceway. The taped joint must completely encircle the conduit/ fitting connection. We recommend using duct tape or similar type of durable tape.

What Are The NEC Requirements For Use Of an Anti-Short Bushing?



When installing ARMORED CABLE (Type AC), NEC Article 320 mandates the use of a insulating bushing (commonly referred to as Anti-Short or Redhead) between the metal sheath and the conductors. Fittings with insulated throats are not a substitute for the anti-short bushing.

When installing METAL-CLAD CABLE (Type MC), the NEC does not require the use of a Anti-Short insulating bushing. MC Cable conductors are usually wrapped with Mylar tape for protection; use of anti-short bushing is optional unless specified otherwise by the cable manufacturer.

Can Liquid Tight Connectors Be Used For Class 1, Div 2 Locations?



NEC Article 501.30(B), exception (1), (2), (3) will permit the use of liquid tight flexible metal conduit and liquid tight connectors to be the sole equipment grounding conductor in Class 1, Division 2 locations. However, strict requirements must be met:

- Conduit and connectors must be UL listed.
- Conduit cannot exceed 6 feet in length.
- Over-current protection in the circuit is limited to 10 amperes or less.
- It supplies other than power utilization loads.

Can Beam Clamps Be UL Listed?



In 1998, UL began listing electrical hardware devices such as Beam Clamps. This was at the request of the electrical industry, including contractors, who became confused regarding the correct application and strength of Beam Clamps.

UL listed Beam Clamps are manufactured from malleable iron or steel with a hardened screw to secure the clamp to the beam. Clamps are tapped in two places for attachment of threaded rod, conduit hanger, or bridle ring.

UL listed beam clamps are only for use with rigid, IMC, or EMT conduits. Spacing of clamps must comply with strap requirements found in the National Electrical Code.

Refer to Bridgeport's carton label for conduit size and type, maximum loading, screw torque, or any special assembly requirements.

What Is The Difference Between Metal Clad and Armored Cable Connectors?



NEC Article 300.15 specifies that fittings can only be used with wiring methods for which they are designed and listed. Most manufacturers have received dual usage listings for these types of connectors; however, you should not assume all fittings have the dual listing. While the appearance of Metal Clad (MC) and Armored Cable (AC) connectors may be similar, the misuse of an AC cable connector can be significant enough to cause an unsafe installation with metal clad cable.

During the listing process at Underwriters Laboratories (UL), MC connectors are subjected to more stringent testing than a typical AC connector. Additional tests are necessary to comply with application requirements of metal clad cable in the NEC.

UL listed metal clad cable connectors are suitable for grounding when installed in accordance with the NEC. 'Dry Type' MC connectors may be 'concrete tight' when taped and used with PVC coated metal clad cable (PVC jacket stripped back to fitting end stop).

Always refer to the carton label for listed cable type (corrugated, interlocked, or smooth) and material (aluminum or steel). The label will also specify the cable size range. Do not use cable smaller than noted on label; the clamping mechanism on the fitting will not function correctly and grounding integrity will be compromised.

The newest type of MC Cable - MCI-A, may require use of a special connector. Such fittings have been listed by UL for use with this cable type.

Can Conduit Bodies Contain Splices?



Although different manufacturers' conduit bodies may look the same, not all are suitable for 'approved' installations. Specific NEC requirements determine which conduit bodies may contain splices, taps, or devices.

Conduit bodies provide access to the conduit system through a removable cover at a junction of two or more entries. Bodies may be used for changing the direction of the wiring systems, to aid in pulling of long wire runs, or to mount devices or make splices.

UL can 'list' conduit bodies as a fitting, which is tested under specification UL 514B. However, a fitting cannot contain a device or splice. UL can also 'list' the conduit body as a box, tested under specification UL 514A. Only the conduit body listed as a box is suitable for use with a device, splices, or taps.

Conduit bodies listed for use with splices, taps, or devices must be marked with the cubic inch volume and any special installation requirements, such as the use of wire pulling compound. The conduit body may also be marked with the maximum wire capacity if the body does not meet the NEC end stop to end stop dimensional requirement for wire pulling: 8 times the trade size for straight pulls, 6 times the trade size for angled pulls.

Are Snap-in Type Metal Clad And Armored Cable Fittings Suitable For Grounding?



AC and MC snap-in type connectors are capable of withstanding ground fault currents likely to be imposed on them, and offer equivalent grounding protection as locknut type connectors.

During the listing process at UL, AC and MC connectors are assembled to cable and subjected to a ground fault current test. These tests are necessary to comply with application requirements in the NEC.

Are Snap-in Type Fittings Tested To The Same Requirements As Locknut Type Fittings?

UL listing requirements are identical for both snap-in and locknut types of fittings. This includes assembly, bending, resistance, pull test, repeated resistance, and a ground fault current test.

Snap-in type connectors are required by code to be capable of withstanding ground fault current likely to be imposed on them, and offer equivalent grounding protection as locknut type connectors. Many snap-in products are used to reduce installation time or where tightening a locknut may be difficult.

UL listed armored and metal clad cable connectors are suitable for grounding when installed in accordance with the NEC.

Always refer to the carton label for listed cable type and material (aluminum or steel). The label will also specify the cable size range. Do not use cable smaller than noted on label, the clamping mechanism on the fitting may not function correctly and grounding integrity will be compromised.

Bridgeport's snap-in fittings are designed only to work with UL listed steel boxes which have a nominal .063" wall thickness. Use with boxes made in other materials (i.e. plastic) or other thicknesses, is not recommended nor approved.

Are All Clamp-Type Connectors Suitable For Use With Multiple Nonmetallic Sheath Cables?



UL listed nonmetallic (NM) sheath cable connectors are suitable for use with a single cable unless specifically tested for two cable usage.

A concern with two cable usage is the fitting's ability to withstand cable pullout forces normally encountered during installation. Per UL 514B, each cable is subjected to an individual pull test. In addition, UL tests strap type connectors to ensure that when tightening the strap screws, the strap will not pierce the nonmetallic sheath of the cable, creating a possible short.

Bridgeport's Carton shipping labels will specify the type and number of nonmetallic cables for which the fitting has been UL listed. Do not exceed the UL rating.

Are Compression Raintight Fittings Really Rain-Tight?



In 2002, UL received field complaints that listed EMT compression split ring type rain-tight fittings were permitting the entrance of water into the conduit system. After checking the validity of these claims, UL made the decision to de-list ALL fitting manufacturers' compression type raintight connectors and couplings.

A revised test method was employed by UL to represent actual field applications and conditions.

Bridgeport was the first to develop and release an updated version of connector that met this revised requirement. Other fitting manufacturers followed suit, with different configurations to pass the UL test requirement. Some of these designs include internal plastic sealing devices, or compression gland rings without a split, and external sealing device on the locknut threads to prevent water entering the box. Regardless of the design, all have to pass the same UL raintight test parameters.

Is A Ground Clamp UL Listed To Be Used To Bond Flexible Or Nonmetallic Gas Piping?



2011 NEC, Article 250.52(B) (1) states "(B) *Electrodes Not Permitted for Grounding* - (1) Metal underground gas piping system". Gas piping by itself cannot be used as Ground Electrode Conductors.

However, NEC Article 250.104, (B) *Other Metal Piping* - "The equipment grounding conductor for the circuit that is likely to energize the piping systems shall be permitted to serve as the bonding means." Gas piping may be **bonded** only if it's likely to be possibly energized by the equipment it is connected to. Most of the time, the piping will be bonded to the system automatically due to its metal fittings. However, in the case of nonmetallic or flexible gas piping, a bonding jumper may need to be provided to complete the bonding path around the nonmetallic or flexible sections.

There is an important difference worth noting. Grounding is **not** the same as Bonding. They are considered separate requirements by the NEC. Gas piping cannot be used for grounding, but it can be bonded if necessary.

Flexible gas pipe system manufacturers will specify the method and system of bonding. In most cases, the clamp is placed on the metal hex fitting rather than over the flexible metal or nonmetallic tube. As an example, the following is an excerpt from Gastite's® CSST Installation Guide:

"The piping is permanently and directly connected to the electrical service equipment enclosure, the grounded conductor at the electrical service, the grounding electrode conductor (where of sufficient size) or to one or more of the grounding electrodes used. A single bond shall be made at or near the service entrance of the structure or the gas meter of each individual housing unit within a multi-family structure. The bonding conductor shall be 6 AWG copper wire. Bonding jumpers shall be attached in an approved manner in accordance with NEC-2005 Article 250.70 and the point of attachment for the bonding jumper shall be accessible. Bonding/grounding clamps listed to UL 467 comply with this requirement. This bond is in addition to any other bonding requirements as specified by local codes."

Bridgeport's ground clamps are not UL listed individually to be used in a gas pipe bonding application - only to the basic standalone UL specification (UL 467).

What Connector Should I use for Health Care Facilities?



There are two armored Health Care Facility (HFC) cables recognized by Underwriters Laboratories: Type AC and Type MCI-A available in Steel or Aluminum interlocked armor.

Bridgeport's 38ASP connectors are UL Listed for use with both types AC and MCI-A (HCF) cables. In regards to other Bridgeport's fittings please reference our web site at www.bptfittings.com for specific product specifications. Keep in mind that while many of our Whipper-Snap and Locknut styles connectors are suitable for MCI-A cable some are not.

When a green identification is required or specified, Bridgeport's type 570-GI can be used to provide confirmation that the right cable has been terminated.

Bridgeport's connectors are UL Listed under UL file number E-20534. The listing is proof of the products performance as an effective ground-fault current path, and can be confirmed via the (UL) website www.UL.com.

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