

2011

PRODUCT CATALOG

Rigid/IMC Conduit Bodies

Rigid/IMC Conduit Fittings

Red Fire Alarm Boxes & Fittings

EMT Fittings

EMT Conduit Bodies

Liquid Tight Fittings

Portable Cord Connectors

Flexible Metal Conduit Fittings

Armored/Metal Clad Cable Fittings

Transition Fittings

Nonmetallic Cable Fittings

Grounding Products

Clamps and Hangers

Service Entrance

Voice/Data/Video

Hazardous Location

Specialty Products

Technical Guide



Wherever
Opportunities
take you...

 **BRIDGEPORT**
www.bptfittings.com

...Take Bridgeport for better results.

There is no shortcut to quality.

But there is a surefire route to making more out of every opportunity: Take along Bridgeport products, service, support and Lower Total Cost.

Bridgeport engineers, field technical resources and network of manufacturer representatives are ready to help you with virtually any application.

From industrial to education, retail and energy, Bridgeport has a complete line of products that install faster, safer, more securely and more cost effectively.

You don't need to travel half way around the globe to meet the people behind Bridgeport products. Our factory in Stratford, Connecticut still manufactures most of the fittings we sell. So you get American quality, reliability and innovation every time you choose Bridgeport.





NEW PRODUCT DIRECTION

733-PS



Patented, innovative product for physical protection of nonmetallic sheath cable

4157-DC

Patented transition coupling for joining duplex AC/MC to EMT



BJ-100

Patented low cost steel expansion couplings and bonding jumpers

EC-100



Patented low voltage device holders for new work. For use on wood or steel stud with 1/2" or 3/4" EMT



NMLV-200B



895-DC2

Patented 90° PVC jacketed MC and TECK cable connectors

TABLE OF CONTENTS

Index by Catalog Number	xxxii - xli
General Notes & Product Standards	xlii
Rigid/IMC Conduit Bodies	2 - 13
Rigid/IMC Conduit Fittings	14 - 37
Red Fire Alarm Boxes & Fittings	38 - 39
EMT Fittings	40 - 66
EMT Conduit Bodies	67 - 72
Liquid Tight Fittings	73 - 81
Portable Cord Connectors	82 - 90
Flexible Metal Conduit Fittings	91 - 111
Armored/Metal Clad Cable Fittings	112 - 139
Transition Fittings	140 - 143
Nonmetallic Cable Fittings	144 - 152
Grounding Products	153 - 160
Clamps and Hangers	161 - 163
Service Entrance	164 - 177
Voice/Data/Video	178 - 186
Hazardous Location	187 - 203
Specialty Products	204 - 213
Technical Guide	214 - 249

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

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.

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.**




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.

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.





Product Innovation

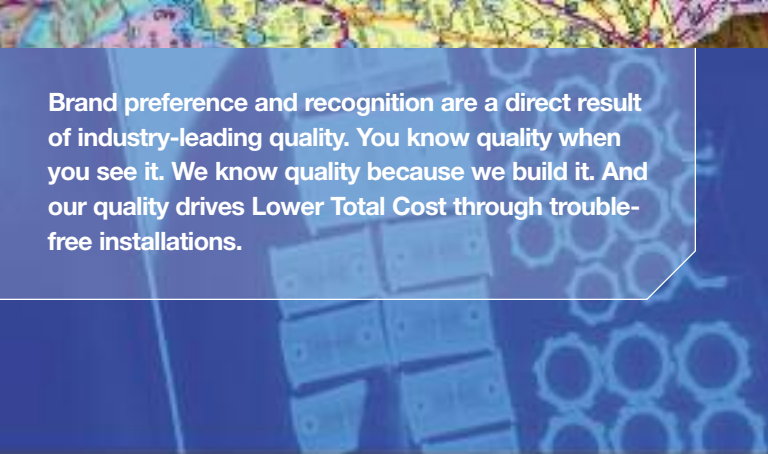
Raintight Fittings Solutions – from our new patented three-piece UL Listed Raintight couplings for rigid conduit, to our patented Raintight jacketed metal clad (JMC) cable connectors, to our patented zinc die cast Raintight EMT fittings.

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/Customer 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.



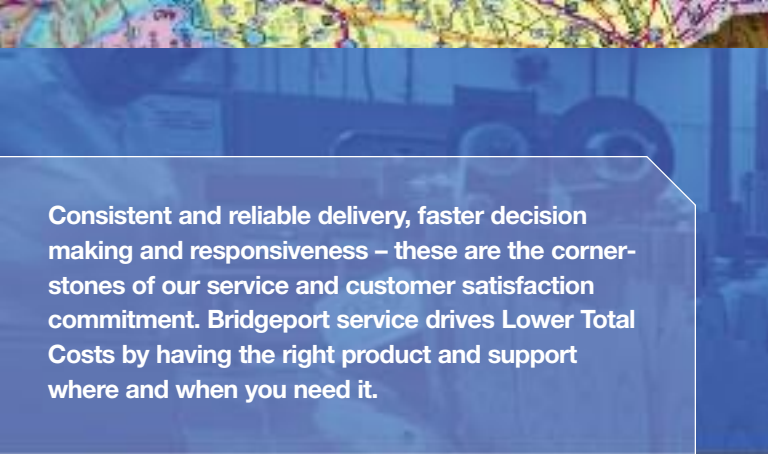


Visual Electronic Pattern Recognition – and other sensing systems ensure consistent adherence to standards and specifications during our automated assembly process.

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 non-metallic. 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.



Service Consistency

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 +/- .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, locknuts, 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#nrtls>

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.

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
30-DC2	14	131-S	19	238-I	15, 42
31-DC2	14	132-S	19	239-I	15, 42
32-DC2	14				
38ASP	104, 126	141	19	230-US	43
		142	19	231-US	43
		143	19	232-US	43
40-DC	16	144	19	233-US	43
41-DC	16	145	19	234-US	43
42-DC	16	146	19	235-US	43
		147	19	236-US	43
51-DC2	40	148	19	237-US	43
52-DC2	40	149	19	238-US	43
		150	19	239-US	43
61-DC	40				
62-DC	40	151-DC	20	230-USI	43
63-DC	40	152-DC	20	231-USI	43
64-DC	40	153-DC	20	232-USI	43
		154-DC	20	233-USI	43
71-DCA	17, 41	155-DC	20	234-USI	43
72-DCA	17, 41	156-DC	20	235-USI	43
		157-DC	20	236-USI	43
71-DC2	17	158-DC	20	237-USI	43
72-DC2	17	159-DC	20	238-USI	43
		160-DC	20	239-USI	43
81-DC	17				
82-DC	17	191	20	230-SBLU	47
83-DC	17	192	20	231-SBLU	47
84-DC	17	193	20	232-SBLU	47
		194	20	233-SBLU	47
81-DCA	17, 41	195	20		
82-DCA	17, 41	196	20	230-SR	38, 48
83-DCA	17, 41			231-SR	38, 48
84-DCA	17, 41	225-DC	42	232-SR	38, 48
		226-DC	42	233-SR	38, 48
91-DC2	91			234-SR	38, 48
92-DC2	91	230	42	235-SR	38, 48
93-DC2	91	231	42	236-SR	38, 48
		232	42	237-SR	38, 48
100	18	233	42		
		234	42	231-SBLK	46
101-DC	18	235	42	231-SG	47
102-DC	18	236	15, 42	231-SO	48
103-DC	18	237	15, 42	231-SW	48
104-DC	18	238	15, 42	231-SY	49
105-DC	18	239	15, 42		
106-DC	18			240	43
107-DC	18	230-DC2	45	241	43
108-DC	18	231-DC2	45	242	43
109-DC	18	232-DC2	45	243	43
110-DC	18	233-DC2	45	244	43
		234-DC2	45	245	43
101-S	18	235-DC2	45	246	16, 43
102-S	18	236-DC2	14, 45	247	16, 43
103-S	18	237-DC2	14, 45	248	16, 43
104-S	18	238-DC2	14, 45	249	16, 43
105-S	18	239-DC2	14, 45		
106-S	18			240-DC	44
107-S	18	230-DCI2	45	241-DC	44
108-S	18	231-DCI2	45	242-DC	44
109-S	18	232-DCI2	45	243-DC	44
110-S	18	233-DCI2	45	244-DC	44
111-S	18	234-DCI2	45	245-DC	44
112-S	18	235-DCI2	45	246-DC	16, 44
		236-DCI2	14, 45	247-DC	16, 44
121-S	19	237-DCI2	14, 45	248-DC	16, 44
122-S	19	238-DCI2	14, 45	249-DC	16, 44
123-S	19	239-DCI2	14, 45		
124-S	19			240-SBLU	50
125-S	19	230-I	42	241-SBLU	50
126-S	19	231-I	42	242-SBLU	50
127-S	19	232-I	42	243-SBLU	50
128-S	19	233-I	42		
129-S	19	234-I	42	240-SR	39, 51
130-S	19	235-I	42	241-SR	39, 51
		236-I	15, 42	242-SR	39, 51
		237-I	15, 42	243-SR	39, 51

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
244-SR	39, 51	250-RTI2	58	267	56
245-SR	39, 51	251-RTI2	58	268	56
246-SR	39, 51	252-RTI2	58	269	56
247-SR	39, 51	253-RTI2	58		
		254-RTI2	58	260-DC	58
240-US	44	255-RTI2	58	261-DC	58
241-US	44	256-RTI2	58	262-DC	58
242-US	44	257-RTI2	58	263-DC	58
243-US	44	258-RTI2	58	264-DC	58
244-US	44	259-RTI2	58	265-DC	58
245-US	44			266-DC	22, 58
246-US	44	250-SRT	55	267-DC	22, 58
247-US	44	251-SRT	55	268-DC	22, 58
248-US	44	252-SRT	55	269-DC	22, 58
249-US	44	253-SRT	55		
		254-SRT	55	260-SRT	56
241-SBLK	49	255-SRT	55	261-SRT	56
241-SG	50	256-SRT	55	262-SRT	56
241-SO	51	257-SRT	55	263-SRT	56
241-SW	52	258-SRT	55	264-SRT	56
241-SY	52	259-SRT	55	265-SRT	56
				266-SRT	56
250	53	250-SRTI	55	267-SRT	56
251	53	251-SRTI	55	268-SRT	56
252	53	252-SRTI	55	269-SRT	56
253	53	253-SRTI	55		
254	53	254-SRTI	55	260-RT	59
255	53	255-SRTI	55	261-RT	59
256	53	256-SRTI	55	262-RT	59
257	53	257-SRTI	55	263-RT	59
258	53	258-SRTI	55	264-RT	59
259	53	259-SRTI	55	265-RT	59
				266-RT	59
250-I	53	250-US	54	267-RT	59
251-I	53	251-US	54	268-RT	59
252-I	53	252-US	54	269-RT	59
253-I	53	253-US	54		
254-I	53	254-US	54	260-US	57
255-I	53	255-US	54	261-US	57
256-I	53	256-US	54	262-US	57
257-I	53	257-US	54	263-US	57
258-I	53	258-US	54	264-US	57
259-I	53	259-US	54	265-US	57
				266-US	57
250-DC2	57	250-USRT	55	267-US	57
251-DC2	57	251-USRT	55	268-US	57
252-DC2	57	252-USRT	55	269-US	57
253-DC2	57	253-USRT	55		
254-DC2	57	254-USRT	55	260-USRT	56
255-DC2	57	255-USRT	55	261-USRT	56
256-DC2	21, 57			262-USRT	56
257-DC2	21, 57	250-USI	54	263-USRT	56
258-DC2	21, 57	251-USI	54	264-USRT	56
259-DC2	21, 57	252-USI	54	265-USRT	56
		253-USI	54		
250-DCI2	57	254-USI	54	270-DC2	59
251-DCI2	57	255-USI	54	270-DCI2	59
252-DCI2	57	256-USI	54		
253-DCI2	57	257-USI	54	280	60, 92, 140
254-DCI2	57	258-USI	54	281	60, 92, 140
255-DCI2	57	259-USI	54		
256-DCI2	21, 57			280-DC	61, 92, 140
257-DCI2	21, 57	250-USRTI	55	281-DC	61, 92, 140
258-DCI2	21, 57	251-USRTI	55		
259-DCI2	21, 57	252-USRTI	55	282-DC	61, 92, 140
		253-USRTI	55	282-DCX	61, 92, 140
250-RT2	58	254-USRTI	55		
251-RT2	58	255-USRTI	55	283-DC	61, 92, 140
252-RT2	58				
253-RT2	58	260	56	290-DC	22, 61, 141
254-RT2	58	261	56	291-DC	22, 61, 141
255-RT2	58	262	56	292-DC	22, 61, 141
256-RT2	58	263	56		
257-RT2	58	264	56		
258-RT2	58	265	56		
259-RT2	58	266	56		

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
290-MS	23, 62, 142	380SP	104, 126	407-DCI2	94
291-MS	23, 62, 142			408-DCI2	94
292-MS	23, 62, 142	381	26	410-DCI2	94
		382	26	412-DCI2	94
290-S	22, 61, 141	383	26	414-DCI2	94
291-S	22, 61, 141	384	26	416-DCI2	94
292-S	22, 61, 141	384-14	26		
		385	26	429-LT2	74
321	23	385-14	26	430-LT2	74
322	23	386	26	431-LT2	74
323	23	386-14	26	432-LT2	74
324	23	387	26	433-LT2	74
325	23	387-40	26	434-LT2	74
326	23	388	26	435-LT2	74
327	23	388-40	26	436-LT2	74
328	23	389	26	437-LT2	74
329	23	389-40	26	438-LT2	74
330	23	390	26	439-LT2	74
331	23	390-40	26		
332	23	391	26	429-LTI2	74
		392	26	430-LTI2	74
321-B	23			431-LTI2	74
322-B	23	381-DC	27	432-LTI2	74
323-B	23	382-DC	27	433-LTI2	74
324-B	23	383-DC	27	434-LTI2	74
325-B	23	384-DC	27	435-LTI2	74
326-B	23	384-DC14	27	436-LTI2	74
327-B	23	385-DC	27	437-LTI2	74
328-B	23	385-DC14	27	438-LTI2	74
329-B	23	386-DC	27	439-LTI2	74
330-B	23	386-DC14	27		
		387-DC	27	429-NMLT	73
341	23	387-DC40	27	430-NMLT	73
342	23	388-DC	27	431-NMLT	73
343	23	388-DC40	27	432-NMLT	73
344	23	389-DC	27	433-NMLT	73
345	23	389-DC40	27	434-NMLT	73
346	23	390-DC	27	435-NMLT	73
		390-DC40	27		
351-DC	24			430-NMLTS	73
352-DC	24	403	93	431-NMLTS	73
353-DC	24	403-DC2	94, 112		
354-DC	24	407	93	429-SLTG	76
355-DC	24	408	93	430-SLTG	76
356-DC	24	410	93	431-SLTG	76
357-DC	24	412	93	432-SLTG	76
358-DC	24	414	93	433-SLTG	76
359-DC	24	416	93	434-SLTG	76
360-DC	24	417	93	435-SLTG	76
		418	93		
361	25	419	93	429-SLT	75
362	25	420	93	430-SLT	75
363	25			431-SLT	75
364	25	407-I	93	432-SLT	75
365	25	408-I	93	433-SLT	75
366	25	410-I	93	434-SLT	75
367	25	412-I	93	435-SLT	75
368	25	414-I	93	436-SLT	75
369	25	416-I	93	437-SLT	75
370	25	417-I	93	438-SLT	75
371	25	418-I	93	439-SLT	75
372	25	419-I	93	440-SLT	75
		420-I	93	441-SLT	75
361-DC	25				
362-DC	25	407-DC2	94	429-SLTI	75
363-DC	25	408-DC2	94	430-SLTI	75
364-DC	25	410-DC2	94	431-SLTI	75
365-DC	25	412-DC2	94	432-SLTI	75
366-DC	25	414-DC2	94	433-SLTI	75
367-DC	25	416-DC2	94	434-SLTI	75
368-DC	25	417-DC2	94	435-SLTI	75
369-DC	25	418-DC2	94	436-SLTI	75
370-DC	25	419-DC2	94	437-SLTI	75
		420-DC2	94	438-SLTI	75

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
439-SLTI	75	472-SLT	79	561-DC2	115
440-SLTI	75	473-SLT	79	561-DCI2	115
441-SLTI	75	474-SLT	79		
		475-SLT	79	563-DC2	98, 116, 144
429-SLTIG	76	476-SLT	79	565-DC2	117
430-SLTIG	76	477-SLT	79	566-DC2	117, 148
431-SLTIG	76	478-SLT	79		
432-SLTIG	76	479-SLT	79	570-DC2	118
433-SLTIG	76			570-DCI2	118
434-SLTIG	76	469-SLTI	79	570-DCR2	118
435-SLTIG	76	470-SLTI	79		
		471-SLTI	79	570-GI	120
449-SLT	77	472-SLTI	79	570-G/RI	120
450-SLT	77	473-SLTI	79	570-RI	120
451-SLT	77	474-SLTI	79		
452-SLT	77	475-SLTI	79	571-DC2	101, 124
453-SLT	77	476-SLTI	79	572-DC2	101, 124
454-SLT	77	477-SLTI	79	573-DC2	101, 124
455-SLT	77	478-SLTI	79		
456-SLT	77	479-SLTI	79	571-DCI2	101, 124
457-SLT	77			572-DCI2	101, 124
458-SLT	77	469-SLTG	80	573-DCI2	101, 124
459-SLT	77	470-SLTG	80		
		471-SLTG	80	571-S	101, 124
449-SLTI	77	472-SLTG	80	572-S	101, 124
450-SLTI	77	473-SLTG	80	573-S	101, 124
451-SLTI	77	474-SLTG	80		
452-SLTI	77	475-SLTG	80	571-SI	101, 124
453-SLTI	77			572-SI	101, 124
454-SLTI	77	469-SLTIG	80	573-SI	101, 124
455-SLTI	77	470-SLTIG	80		
456-SLTI	77	471-SLTIG	80	581-DC	62, 91, 142
457-SLTI	77	472-SLTIG	80	582-DC	62, 91, 142
458-SLTI	77	473-SLTIG	80	583-DC	62, 91, 142
459-SLTI	77	474-SLTIG	80		
		475-SLTIG	80	590-DC2	103, 125
469-LT2	78			590-DCI2	103, 125
470-LT2	78	501-DC2	112		
471-LT2	78			595-DC2	127
472-LT2	78	507-DC2	95	595-DCI2	127
473-LT2	78	507-DCI2	95	596-DC2	127
474-LT2	78	508-DC2	95	596-DCI2	127
475-LT2	78	508-DCI2	95		
476-LT2	78			600-DC2	105
477-LT2	78	519-DC2	97	601-DC2	104, 128, 144
478-LT2	78	520-DC2	97	602-DC2	105
479-LT2	78	521-DC2	97		
		522-DC2	97	616-NMD	145
469-LTI2	78	523-DC2	97	617-NMD	145
470-LTI2	78	524-DC2	97		
471-LTI2	78	525-DC2	97	620-NM	82, 146
472-LTI2	78			621-NM	82, 146
473-LTI2	78	519-DCI2	97		
474-LTI2	78	520-DCI2	97	630	104
475-LTI2	78	521-DCI2	97	630-DC2	104
476-LTI2	78	522-DCI2	97		
477-LTI2	78	523-DCI2	97	642	146
478-LTI2	78	524-DCI2	97	643	146
479-LTI2	78	525-DCI2	97	644	146
				645	146
469-NMLT	73	530-DC	98		
470-NMLT	73	531-DC	98	650-DC2	82, 148
471-NMLT	73	532-DC	98	651-DC2	83, 147
472-NMLT	73	533-DC	98	653-DC2	106, 130
473-NMLT	73	534-DC	98	655-DC2	106, 130
474-NMLT	73	535-DC	98	657-DC2	106, 130
475-NMLT	73				
		540-SS	96	650-HD2	82, 148
470-NMLTS	73			651SP	83, 147
471-NMLTS	73	545-DC2	114		
				660-DC2	148, 164
469-SLT	79	560-DC2	115	662-DC2	148, 164
470-SLT	79	560-DCI2	115	664-DC2	148, 164
471-SLT	79				
		560-MCIA2	115, 123		

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
665-DC2	148, 164	772-52	90	883-SE	166
666-DC2	148, 164	772-62	90	884-SE	166
670-DC2	148, 164				
672-DC2	148, 164	800	106	890-MC	137
674-DC2	148, 164	800-DC2	106	891-MC	137
675-DC2	148, 164	801	107		
676-DC2	148, 164	801-I	107	895-DC2	128
		801-DC2	109, 135	895-DCI2	128
683-DC2	131	801-DCI2	109, 135		
684-DC2	131	802-ASP	110, 136	895-MC	138
685-DC2	131	802-DC2	110, 136		
686-DC2	131	802-DCI2	110, 136	900	28
687-DC2	131	802-SP	110, 136	900-F	111, 137
688-DC2	131	802-MCIA	136		
689-DC2	131	802-MCIA2	136	901	28
				902	28
683-DCI2	131	803	106	903	28
684-DCI2	131	803-DC2	106	904	28
685-DCI2	131			905	28
686-DCI2	131	804	107	906	28
687-DCI2	131	804-I	107	907	28, 64
688-DCI2	131	804-DC2	109, 135	908	28, 64
689-DCI2	131	804-DCI2	109, 135	909	28, 64
				910	28, 64
683-DCX2	131	806	107	912	28
684-DCX2	131	807	108	913	28
685-DCX2	131	808	108		
686-DCX2	131	809	108	901-AL	28
687-DCX2	131	810	108	902-AL	28
688-DCX2	131	811	108	903-AL	28
689-DCX2	131	812	108	904-AL	28
		813	108	905-AL	28
691-DC2	104, 128	814	108	906-AL	28
701	204	806-I	107	901-NS	30
703	204	807-I	108	902-NS	30
705	204	808-I	108	903-NS	30
722	161	809-I	108		
		810-I	108	901-S	29
732-SP	204	811-I	108	902-S	29
733-PS	149, 205	812-I	108	903-S	29
		813-I	108	904-S	29
761-UF	165	814-I	108	905-S	29
762-UF	165			906-S	29
		806-DC2	109, 135	907-S	29, 64
763-4	165	807-DC2	109, 135	908-S	29, 64
763-6	165	808-DC2	109, 135	909-S	29, 64
763-8	165	809-DC2	109	910-S	29, 64
		810-DC2	109		
764-2	165	811-DC2	109	920	64
764-2N	165	812-DC2	109	921	64
764-3	165	813-DC2	109	922	64
		814-DC2	109	923	64
765-2	165			924	64
765-3	165	806-DCI2	109, 135	925	64
		807-DCI2	109, 135		
766-2	165	808-DCI2	109, 135	920-NS	64
766-3	165	809-DCI2	109	921-NS	64
766-4	165	810-DCI2	109	922-NS	64
766-4N	165				
		830	110	920-S	64
770-22	90	830-DC2	110, 132	921-S	64
770-32	90	840SP	96, 133	922-S	64
770-42	90	841SP	149	923-S	64
770-52	90	845ASP	113	924-S	64
770-62	90	845SP	113	925-S	64
770-72	90	846SP	105, 129		
		850SP	111, 137	937-C	167
771-32	90	851ASP	110	938-C	167
771-42	90	851-DC2	110		
771-52	90	851-DCI2	110	938-PVC	167
771-62	90	851SP	110		
772-32	90			941	30, 65
772-42	90	881-SE	166	942	30, 65
		882-SE	166	943	30, 65
				944	30, 65

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
945	30, 65	1065	31	1106-DC	33
946	30, 65	1066	31	1107-DC	33
947	30, 65	1067	31	1108-DC	33
948	30, 65	1068	31	1109-DC	33
949	30, 65	1069	31	1110-DC	33
950	30, 65			1111-DC	33
		1070	31		
941-AL	30	1071	31	1102-DCI	33
942-AL	30	1072	31	1103-DCI	33
943-AL	30	1073	31	1104-DCI	33
944-AL	30	1074	31	1105-DCI	33
945-AL	30	1075	31	1106-DCI	33
946-AL	30	1076	31	1107-DCI	33
		1077	31	1108-DCI	33
951	161, 178	1078	31	1109-DCI	33
951-A	161, 178	1079	31	1110-DCI	33
951-S	161, 178			1111-DCI	33
952	161, 178	1080	31		
953	161, 178	1081	31	1121	34
953-S	161, 178	1082	31	1122	34
954	161, 178	1083	31	1123	34
		1084	31	1124	34
961	162	1085	31	1125	34
962	162	1086	31	1126	34
963	162	1087	31	1127	34
964	162	1088	31	1128	34
965	162			1129	34
966	162	1089-1	31	1130	34
967	162	1089-2	31	1131	34
968	162	1089-3	31	1132	34
969	162	1089-4	31		
970	162	1089-5	31	1121-AL	34
		1089-6	31	1122-AL	34
971	162	1089-7	31	1123-AL	34
972	162	1089-8	31	1124-AL	34
973	162			1125-AL	34
974	162	1090-1	31	1126-AL	34
975	162	1090-2	31	1127-AL	34
976	162	1090-3	31	1128-AL	34
977	162	1090-4	31	1129-AL	34
978	162	1090-5	31	1130-AL	34
		1090-6	31		
981	162	1090-7	31	1121-RT	34
982	162	1090-8	31	1122-RT	34
983	162	1090-9	31	1123-RT	34
984	162			1124-RT	34
985	162	1102	32	1125-RT	34
986	162	1103	32	1126-RT	34
987	162	1104	32	1127-RT	34
988	162	1105	32	1128-RT	34
989	162	1106	32	1129-RT	34
990	162	1107	32	1130-RT	34
		1108	32		
1000	138, 206	1109	32	1160	35
1001	138, 206	1110	32	1161	35
1002	138, 206	1111	32	1162	35
1003	138, 206	1112	32	1163	35
1004	138, 206	1113	32	1164	35
1005	138, 206			1165	35
1006	138, 206	1102-I	32	1166	35
1007	138, 206	1103-I	32	1167	35
1008	138, 206	1104-I	32	1168	35
		1105-I	32	1169	35
1025	12, 167	1106-I	32		
1026	12, 167	1107-I	32	1161-HZ	202
1027	12, 167	1108-I	32	1162-HZ	202
1028	12, 167	1109-I	32	1163-HZ	202
1028-XL	12, 167	1110-I	32	1164-HZ	202
1029	12, 167	1111-I	32	1165-HZ	202
1030	12, 167			1166-HZ	202
1030-XL	12, 167	1102-DC	33	1167-HZ	202
		1103-DC	33	1168-HZ	202
1061	31	1104-DC	33	1169-HZ	202
1062	31	1105-DC	33		
1063	31				
1064	31				

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
1170-HZ	202	1307-B1	154	1920	65
1171-HZ	202	1308-B	153	1921	65
1172-HZ	202	1309-B	154	1922	65
1173-HZ	202	1312-B	153	1923	65
1174-HZ	202	1313-B	154	1924	65
1175-HZ	202	1315-B	154	1925	65
1170	35	1308-DC	153	2100	163
1171	35	1309-DC	154	2110	163
1172	35			2120	163
1173	35	1325-B	155	2125	163
1174	35	1325-B1	155	2130	163
1175	35	1326-B	155	2140	163
1176	35	1328-B	155	2150	163
1179	35	1330-B	155	2160	163
1182	35	1331-B	155	2170	163
1185	35			2180	163
		1325-BH	156	2190	163
1191-DC2	207	1330-BH	156		
		1345-BH	156	2100-BN	163
1201	168			2110-BN	163
1202	168	1520-DC	36	2120-BN	163
1203	168	1521-DC	36	2125-BN	163
1204	168	1522-DC	36	2130-BN	163
1205	168	1523-DC	36	2140-BN	163
1206	168	1524-DC	36		
1207	168	1525-DC	36	2100-S	162
1208	168	1526-DC	36	2110-S	162
1209	168	1527-DC	36	2120-S	162
1210	168			2125-S	162
1211	168	1620-DC2	60	2130-S	162
1212	168	1621-DC2	60	2140-S	162
				2150-S	162
1220	169	1661	28	2160-S	162
1221	169	1662	28	2170-S	162
		1663	28	2180-S	162
1240-PVC	169	1664	28	2190-S	162
1241-PVC	169	1665	28		
1242-PVC	169	1666	28	3000	21
		1667	28	3001	21
1246-MT	170	1668	28	3002	21
1257-MT	170	1669	28	3003	21
		1670	28	3004	21
1251	171	1671	28	3005	21
1252	171			3006	21
1253	171	1691	207	3007	21
1254	171	1692	207	3008	21
1255	171	1693	207	3009	21
1256	171	1694	207		
1257	171	1695	207	3000-US	21
1258	171	1696	207	3001-US	21
1259	171			3002-US	21
1260	171	1701-DC	46	3003-US	21
		1702-DC	46	3004-US	21
1251-PVC	172			3005-US	21
1252-PVC	172	1791-DC	33		
1253-PVC	172	1792-DC	33	3100	22
1254-PVC	172	1793-DC	33	3101	22
1255-PVC	172			3102	22
1256-PVC	172	1881-SE	166	3103	22
		1882-SE	166	3104	22
1253-S	173	1883-SE	166	3105	22
1254-S	173	1884-SE	166	3106	22
1255-S	173			3107	22
1256-S	173	1901	29	3108	22
1257-S	173	1902	29	3109	22
1258-S	173	1903	29		
1259-S	173	1904	29	3100-US	22
1260-S	173	1905	29	3101-US	22
		1906	29	3102-US	22
1306-B	153	1907	29, 65	3103-US	22
1307-B	154	1908	29, 65	3104-US	22
		1909	29, 65	3105-US	22
		1910	29, 65		

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
3161	20	ALI-50	156	C-41CGC	3, 67
3162	20	ALI-112	156	C-42CGC	3, 67
		ALI-252	156	C-43CGC	3, 67
3500	15			C-44CGC	3, 67
3501	15	AMC-50	99, 121	C-45CGC	3, 67
3502	15	AMC-5075	99, 121	C-46CGC	3, 67
3503	15	AMC-52	99, 121		
3504	15	AMC-50MCIA	122	C-61	2
3505	15			C-62	2
		BJ-100	157	C-63	2
3510	15	BJ-200	157	C-64	2
3511	15	BJ-400	157	C-65	2
				C-66	2
3500-US	15	BL16ASP	100, 114	C-67	2
3501-US	15	BL16MCIA	116	C-68	2
3502-US	15	BL16SP	100, 114		
3503-US	15			CC-25	181
3504-US	15	BL-17	100, 122	CC-31	181
3505-US	15	BL-18	100, 122	CC-37	181
		BL-19	100, 122		
3510-I	15			CE-50	40
3511-I	15	BL-17I	100, 122	CE-75	40
		BL-18I	100, 122		
		BL-19I	100, 122	CE-2571	203
3600	16				
3601	16	BR-150	180	CG770-250	84, 85
3602	16	BR-200	180	CG770-350	84, 85
3603	16	BR-400	180	CG770-450	84, 85
3604	16			CG770-560	84, 85
3605	16			CG770-650	84, 85
		BRI-150	180	CG771-250	84, 85
3610	16	BRI-200	180	CG771-350	84, 85
3611	16			CG771-450	84, 85
		BRW-150	180	CG771-560	84, 85
3600-US	16	BRW-200	180	CG771-650	84, 85
3601-US	16			CG771-750	84, 85
3602-US	16	BRWI-150	180	CG771-850	84, 85
3603-US	16	BRWI-200	180	CG772-560	84, 85
3604-US	16			CG772-650	84, 85
3605-US	16	BS-050	208	CG772-750	84, 85
		BS-075	208	CG772-850	84, 85
3838ASP	105, 129			CG772-950	84, 85
3838SP	105, 129	BXE-100	181, 208	CG772-1050	84, 85
		BXE-200	181, 208		
4157-DC	63, 99, 117, 143	BXE-300	181, 208	CG773-850	86, 87
				CG773-950	86, 87
4360-DC	63, 81, 143	C-31	67	CG773-1050	86, 87
4361-DC	63, 81, 143	C-32	67	CG773-1150	86, 87
		C-33	67	CG773-1250	86, 87
8400MCIA	134	C-34	67	CG773-1375	86, 87
		C-35	67	CG774-1050	86, 87
8400SP	134	C-36	67	CG774-1150	86, 87
				CG774-1250	86, 87
9791	150, 179	C-41	2	CG774-1375	86, 87
9792	150, 179	C-42	2		
9793	150, 179	C-43	2	CGA770250	88, 89
9794	150, 179	C-44	2	CGA770350	88, 89
9795	150, 179	C-45	2	CGA770450	88, 89
9796	150, 179	C-46	2	CGA770560	88, 89
9797	150, 179	C-47	2	CGA770650	88, 89
		C-48	2	CGA771250	88, 89
9882	150, 179	C-49	2	CGA771350	88, 89
		C-50	2	CGA771450	88, 89
9891	207			CGA771560	88, 89
9892	207	C-37CG	67	CGA771650	88, 89
9893	207	C-38CG	67	CGA771750	88, 89
9894	207	C-39CG	67	CGA771850	88, 89
9895	207	C-40CG	67	CGA772560	88, 89
9896	207			CGA772650	88, 89
		C-41CG	2	CGA772750	88, 89
9951	30	C-42CG	2	CGA772850	88, 89
9952	30	C-43CG	2	CGA772950	88, 89
		C-44CG	2	CGA7721050	88, 89
8469OSP	111, 132	C-45CG	2		
		C-46CG	2		

INDEX BY CATALOG NUMBER



Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
CLU-35	156	GRE-0447	198	LB-61	4
CLU-70	156	GRE-0448	198	LB-62	4
CLU-125	156	GRE-0582	198	LB-63	4
		GRE-0587	198	LB-64	4
CSE-075	36	GRE-0598	198	LB-65	4
CSE-100	36	GRE-0603	198	LB-66	4
				LB-67	4
DB-1308	157	GRL-0439	198	LB-68	4
DB-1309	157	GRL-0440	198	LB-69	4
		GRL-0546	198	LB-70	4
DR-200	182	GRL-0591	198		
DR-300	182	GRL-0558	198	LL-31	69
DR-500	182	GRL-0576	198	LL-32	69
				LL-33	69
DS-100	209	GRT-0441	199	LL-34	69
DS-500	209	GRT-0442	199	LL-35	69
		GRT-0547	199	LL-36	69
EC-075	66, 209	GRT-0593	199		
EC-100	66, 209	GRT-0559	199	LL-41	6
EC-125	66, 209	GRT-0578	199	LL-42	6
EC-150	66, 209			LL-43	6
EC-200	66, 209	GRX-0449	199	LL-44	6
EC-250	66, 209	GRX-0450	199	LL-45	6
EC-300	66, 209	GRX-0585	199	LL-46	6
EC-350	66, 209	GRX-0595	199	LL-47	6
EC-400	66, 209	GRX-0601	199	LL-48	6
		GRX-0606	199	LL-49	6
				LL-50	6
EYS-0452	197				
EYS-0453	197	GRXZ-0468	199	LL-41CG	6
EYS-0550	197	GRXZ-0469	199	LL-42CG	6
EYS-2633	197	GRXZ-0586	199	LL-43CG	6
EYS-2634	197	GRXZ-0596	199	LL-44CG	6
EYS-2635	197	GRXZ-0602	199	LL-45CG	6
		GRXZ-0607	199	LL-46CG	6
EYS-0452N	197				
EYS-0453N	197	LB-31	68	LL-41CGC	7, 69
EYS-0550N	197	LB-32	68	LL-42CGC	7, 69
EYS-2633N	197	LB-33	68	LL-43CGC	7, 69
EYS-2634N	197	LB-34	68	LL-44CGC	7, 69
EYS-2635N	197	LB-35	68	LL-45CGC	7, 69
		LB-36	68	LL-46CGC	7, 69
FA-400	38, 39	LB-37	68		
FA-401	38, 39	LB-38	68	LL-61	6
FA-402	38, 39	LB-39	68	LL-62	6
FA-403	38, 39	LB-40	68	LL-63	6
FA-404	38, 39			LL-64	6
FA-411	38, 39	LB-41	4	LL-65	6
		LB-42	4	LL-66	6
FB-10	203	LB-43	4	LL-67	6
FS-500R	210	LB-44	4	LL-68	6
FS-1000	210	LB-45	4		
		LB-46	4	LLR-41	8, 70
GF38SP	98	LB-47	4	LLR-42	8, 70
GF50SP	98	LB-48	4	LLR-43	8, 70
		LB-49	4	LLR-44	8, 70
GRB-0445	198	LB-50	4	LLR-45	8, 70
GRB-0446	198			LLR-46	8, 70
GRB-0584	198	LB-41CG	4		
GRB-0597	198	LB-42CG	4	LR-31	70
GRB-0600	198	LB-43CG	4	LR-32	70
GRB-0605	198	LB-44CG	4	LR-33	70
		LB-45CG	4	LR-34	70
GRC-0443	198	LB-46CG	4	LR-35	70
GRC-0444	198	LB-47CG	4	LR-36	70
GRC-0556	198	LB-48CG	4		
GRC-0589	198	LB-49CG	4	LR-41	9
GRC-0561	198	LB-50CG	4	LR-42	9
GRC-0580	198			LR-43	9
		LB-41CGC	5, 68	LR-44	9
GRC-50	158	LB-42CGC	5, 68	LR-45	9
GRC-63	158	LB-43CGC	5, 68	LR-46	9
GRC-75	158	LB-44CGC	5, 68	LR-47	9
		LB-45CGC	5, 68	LR-48	9
		LB-46CGC	5, 68	LR-49	9
				LR-50	9

INDEX BY CATALOG NUMBER

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
LR-41CG	9	SC-46	13, 72	T-47	10
LR-42CG	9	SC-47	13, 72	T-48	10
LR-43CG	9	SC-49	13, 72	T-49	10
LR-44CG	9			T-50	10
LR-45CG	9	SC-61	13		
LR-46CG	9	SC-62	13	T-41CG	10
		SC-63	13	T-42CG	10
LR-41CGC	8, 71	SC-64	13	T-43CG	10
LR-42CGC	8, 71	SC-66	13	T-44CG	10
LR-43CGC	8, 71	SC-67	13	T-45CG	10
LR-44CGC	8, 71	SC-69	13	T-46CG	10
LR-45CGC	8, 71				
LR-46CGC	8, 71	SE-KIT100	177	T-41CGC	11, 71
		SE-KIT150	177	T-42CGC	11, 71
LR-61	9	SE-KIT200	177	T-43CGC	11, 71
LR-62	9			T-44CGC	11, 71
LR-63	9	SFR-75	213	T-45CGC	11, 71
LR-64	9	SFS-75	213	T-46CGC	11, 71
LR-65	9				
LR-66	9	SG38ASP	102, 119	T-61	10
LR-67	9	SG38SP	102, 119	T-62	10
LR-68	9	SG38MCIA	118	T-63	10
				T-64	10
LVB-1	182	SG-61	13, 72	T-65	10
		SG-62	13, 72	T-66	10
MC-050	158	SG-63	13, 72	T-67	10
MC-075	158	SG-64	13, 72	T-68	10
MCC-050	159	SG-66	13, 72		
MCC-075	159	SG-67	13, 72	TA-2636	201
		SG-69	13, 72	TA-2637	201
MK-10020	174			TA-2638	201
MK-20000	174	SGN-61	13, 72	TA-2937	201
MK-20025	174	SGN-62	13, 72	TA-2938	201
MK-20025R	174	SGN-63	13, 72	TA-2943	201
		SGN-64	13, 72		
MLB-44	12, 175	SGN-66	13, 72	TU-2992	200
MLB-45	12, 175	SGN-67	13, 72	TU-2993	200
MLB-46	12, 175	SGN-69	13, 72	TU-2994	200
MLB-47	12, 175			TU-2995	200
MLB-48	12, 175	SR-050	81	TU-2996	200
MLB-49	12, 175	SR-075	81	TU-2997	200
MLB-50	12, 175	SR-100	81		
		SR-125	81	UNF-1S	200
MWH-1	176	SR-150	81	UNF-2S	200
		SR-200	81	UNF-3S	200
NMCB-1	139, 151, 183	SR-250	81		
NMCB-2	151, 183	SR-300	81	UNY-1S	200
NMCB-3	139	SR-350	81	UNY-2S	200
		SR-400	81	UNY-3S	200
NMLV-100B	184, 211				
NMLV-100F	184, 211	SRC-050	37	TWB-51	66, 186
NMLV-200B	184, 211	SRC-075	37	TWB-52	66, 186
NMLV-200F	184, 211	SRC-100	37	TWB-53	66, 186
		SRC-125	37	TWB-54	66, 186
NMWH-43	152, 185	SRC-150	37	TWB-55	66, 186
		SRC-200	37	TWB-56	66, 186
RB-16	160	SRC-250	37	TWB-57	66, 186
RB-17	160	SRC-300	37	TWB-58	66, 186
		SRC-350	37	TWB-59	66, 186
RF-125	176, 212	SRC-400	37	TWB-60	66, 186
RF-150	176, 212	SRC-500	37		
RF-200	176, 212	SRC-600	37	TWE-125	41
RF-250	176, 212			TWE-150	41
		T-31	71	TWE-200	41
RFN-125	176, 212	T-32	71	TWE-250	41
RFN-200	176, 212	T-33	71	TWE-300	41
RFN-250	176, 212	T-34	71	TWE-350	41
RFN-300	176, 212	T-35	71	TWE-400	41
RFN-400	176, 212	T-36	71		
				USL-120	95
RWH-1	176	T-41	10		
		T-42	10	WGC-1	176
SC-41	13, 72	T-43	10	WGC-2	176
SC-42	13, 72	T-44	10	WGC-3	176
SC-43	13, 72	T-45	10		
SC-44	13, 72	T-46	10		

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 UL-514B	OS1 FB-1	A-A-50563 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
Hazardous Location	UL-886	–	–	C22.2 30

BRIDGEPORT'S

PRODUCT CATALOG


Rigid and IMC Conduit Bodies

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

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

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


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

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


Rigid and IMC Conduit Bodies

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-51CG)

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

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


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


Rigid and IMC Conduit Bodies

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-46CG)

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

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

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

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

Rigid and IMC Conduit Bodies

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.


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

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.

Aluminum with Cover and Gasket


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


Rigid and IMC Conduit Bodies

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-46CG)

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.
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

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


Rigid and IMC Conduit Bodies

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-46CG)

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

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

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

Rigid and IMC Conduit Bodies

Mogul Conduit Bodies

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



MLB-44 thru MLB-46



File No. E11077



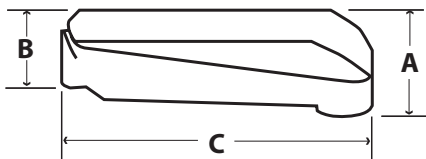
File No. E11077 (MLB-47 thru MLB-50)



MLB-47 thru MLB-50

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.	Dim A	Dim B	Dim C
MLB-44	1 1/4"	---	5	2 3/4"	2 3/8"	8 1/2"
MLB-45	1 1/2"	---	2	4 3/4"	3 1/8"	11 1/2"
MLB-46	2"	---	2	5 3/4"	3 1/8"	13"
MLB-47	2 1/2"	---	1	6 1/4"	4 7/16"	20"
MLB-48	3"	---	1	6 1/4"	4 7/16"	20"
MLB-49	3 1/2"	---	1	7 7/8"	5 1/2"	26"
MLB-50	4"	---	1	7 7/8"	5 1/2"	26"



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

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

Rigid and IMC Conduit Fittings

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.

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

Rigid and IMC Conduit Fittings

Set Screw Connectors



1/2" thru 1 1/2"



2"



2 1/2" thru 4"



1/2" 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

 File No. E24001: 3500 thru 3509; 236 thru 239; 236-I thru 239-I

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

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

Malleable Iron / Insulated Throat - 105°C

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

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



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

Rigid and IMC Conduit Fittings

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 conduit. Concrete-tight.

2 1/2" thru 4" furnished with four set screws.

 File No. E24001*: 3600 thru 3609; 246 thru 249; 246-DC thru 249-DC

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

 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

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



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

Rigid and IMC Conduit Fittings

Pull Elbows Rigid to Box

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 Rigid to EMT to Box

Used for connecting threaded rigid or EMT 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-DCA	1/2"	10	100
72-DCA	3/4"	5	50



Pull Elbows Rigid to Rigid

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 Rigid to Rigid or EMT to EMT

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

Zinc Die Cast

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



Rigid and IMC Conduit Fittings

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
121-S	1/2"	50	200	127-S	2 1/2"	5	25
122-S	3/4"	25	100	128-S	3"	5	25
123-S	1"	25	100	129-S	3 1/2"	---	5
124-S	1 1/4"	10	50	130-S	4"	---	5
125-S	1 1/2"	10	50	131-S	5"	---	5
126-S	2"	10	50	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
141	1/2"	50	200	146	2"	25	100
142	3/4"	25	100	147	2 1/2"	5	25
143	1"	25	100	148	3"	5	25
144	1 1/4"	25	100	149	3 1/2"	5	25
145	1 1/2"	25	100	150	4"	5	25

Rigid and IMC Conduit Fittings

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
151-DC	1/2"	25	100	156-DC	2"	2	20
152-DC	3/4"	25	100	157-DC	2 1/2"	---	10
153-DC	1"	10	50	158-DC	3"	---	5
154-DC	1 1/4"	5	25	159-DC	3 1/2"	1	5
155-DC	1 1/2"	2	20	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
191	1/2"	25	100	194	1 1/4"	10	40
192	3/4"	25	100	195	1 1/2"	10	40
193	1"	25	100	196	2"	10	40

Rigid and IMC Conduit Fittings

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

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

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

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

Rigid and IMC Conduit Fittings

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

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

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

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

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
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

Rigid and IMC Conduit Fittings

Combination Couplings

Used to join rigid or IMC to EMT. Coupling internally threaded for rigid / IMC.

Compression type for EMT.

Concrete-tight.



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



File No. E9391:
292-MS

Pull Caps

Used for capping EMT, rigid and most bushings.



Polyethylene

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

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

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

Rigid and IMC Conduit Fittings

Insulated Grounding Bushings With Copper Lugs



Used with locknut to terminate service conduit to cabinet. Solid copper lug provides high conductivity with lower heat rise than conventional solderless lugs. Plastic liner prevents damage to wire insulation.



File No. E20412


Zinc Die Cast / Plastic Insulator - 150°C


Catalog Number	Wire Range	Trade Size	Unit Qty.	Std. Pkg. Qty.
351-DC	#14 - #6	1/2"	25	250
352-DC	#14 - #6	3/4"	25	250
353-DC	#14 - #6	1"	25	250
354-DC	#14 - #6	1 1/4"	20	200
355-DC	#8 - #2	1 1/2"	20	200
356-DC	#8 - #2	2"	10	100
357-DC	#6 - #1/0	2 1/2"	2	10
358-DC	#6 - #1/0	3"	2	10
359-DC	#6 - #1/0	3 1/2"	---	5
360-DC	#6 - #1/0	4"	---	5

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: 361 thru 370

 File No. E9391 (361-DC thru 370-DC)

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

Rigid and IMC Conduit Fittings

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 Strand	Max. Solid 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

Malleable Iron / Plastic Metaliner - 150°C

Catalog Number	Grounding Lug Wire Capacity		Trade Size	Unit Qty.	Std. Pkg. Qty.
	Min. Solid Strand	Max. Solid Strand			
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 Strand	Max. Solid 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

Rigid and IMC Conduit Fittings

Bushing Pennies



Used inside bushing to prevent foreign matter from entering conduit.

Galvanized Steel


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


One Hole Pipe Straps



Malleable/Aluminum

To support rigid conduit and IMC to mounting surface.

 File No. E161206: 912 thru 913

 File No. LR39354: 900 thru 910

Malleable Iron

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

Aluminum

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

Rigid and IMC Conduit Fittings


One Hole Pipe Straps



Steel

To support rigid conduit and IMC to mounting surface.

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

 File No. LR39354: 901-S thru 910-S


Zinc Plated Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
901-S	1/2"	50	500	906-S	2"	---	25
902-S	3/4"	50	500	907-S	2 1/2"	---	25
903-S	1"	50	200	908-S	3"	---	25
904-S	1 1/4"	25	100	909-S	3 1/2"	---	10
905-S	1 1/2"	25	100	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1901	1/2"	250	2500	1906	2"	25	250
1902	3/4"	150	1500	1907	2 1/2"	25	100
1903	1"	100	1000	1908	3"	20	80
1904	1 1/4"	50	500	1909	3 1/2"	15	60
1905	1 1/2"	50	500	1910	4"	10	40

Rigid and IMC Conduit Fittings

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: 9951 thru 9952

Malleable Iron

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


Aluminum


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
941-AL	1/2"	50	250	944-AL	1 1/4"	20	100
942-AL	3/4"	50	250	945-AL	1 1/2"	10	100
943-AL	1"	25	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1061	3/4" - 1/2"	250	1000	1089-1	3 1/2" - 1/2"	---	10
1062	1" - 1/2"	250	1000	1089-2	3 1/2" - 3/4"	---	10
1063	1" - 3/4"	250	1000	1089-3	3 1/2" - 1"	---	10
1064	1 1/4" - 1/2"	100	500	1089-4	3 1/2" - 1 1/4"	---	10
1065	1 1/4" - 3/4"	100	500	1089-5	3 1/2" - 1 1/2"	---	10
1066	1 1/4" - 1"	100	500	1089-6	3 1/2" - 2"	---	10
1067	1 1/2" - 1/2"	100	200	1089-7	3 1/2" - 2 1/2"	---	10
1068	1 1/2" - 3/4"	100	200	1089-8	3 1/2" - 3"	---	10
1069	1 1/2" - 1"	100	200				
				1090-1	4" - 1/2"	---	10
1070	1 1/2" - 1 1/4"	100	200	1090-2	4" - 3/4"	---	10
1071	2" - 1/2"	50	100	1090-3	4" - 1"	---	10
1072	2" - 3/4"	50	100	1090-4	4" - 1 1/4"	---	10
1073	2" - 1"	50	100	1090-5	4" - 1 1/2"	---	10
1074	2" - 1 1/4"	50	100	1090-6	4" - 2"	---	10
1075	2" - 1 1/2"	50	100	1090-7	4" - 2 1/2"	---	10
1076	2 1/2" - 1/2"	50	100	1090-8	4" - 3"	---	10
1077	2 1/2" - 3/4"	50	100	1090-9	4" - 3 1/2"	---	10
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				


Rigid and IMC Conduit Fittings

Conduit Nipples



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

 File No. E9391

 File No. LR39354

Malleable Iron / Insulated Throat - 105°C

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

Malleable Iron


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

Conduit Nipples



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

 File No. E9391

 File No. LR39354

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

Zinc Die Cast / Insulated Throat - 105°C

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

Rigid and IMC Conduit Fittings

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

Aluminum

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

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1121-RT	1/2"	25	100	1126-RT	2"	---	10
1122-RT	3/4"	10	100	1127-RT	2 1/2"	---	5
1123-RT	1"	5	50	1128-RT	3"	---	5
1124-RT	1 1/4"	-	25	1129-RT	3 1/2"	---	4
1125-RT	1 1/2"	-	20	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
1160	1/2" - 3/8"	100	500	1168	1 1/2" - 3/4"	10	50
1161	3/4" - 1/2"	100	500	1169	1 1/2" - 1"	10	50
1162	1" - 1/2"	50	250	1170	1 1/2" - 1 1/4"	10	50
1163	1" - 3/4"	50	250	1171	2" - 1/2"	10	50
1164	1 1/4" - 1/2"	20	100	1172	2" - 3/4"	10	50
1165	1 1/4" - 3/4"	20	100	1173	2" - 1"	10	50
1166	1 1/4" - 1"	25	100	1174	2" - 1 1/4"	10	50
1167	1 1/2" - 1/2"	10	50	1175	2" - 1 1/2"	10	50

Malleable Iron

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

Rigid and IMC Conduit Fittings

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



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 Boxes and Fittings

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-SR	1/2"	50	500	234-SR	1 1/2"	10	60
231-SR	3/4"	25	250	235-SR	2"	5	30
232-SR	1"	25	250	236-SR	2 1/2"	2	10
233-SR	1 1/4"	20	120	237-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
FA-400	1 1/2" deep drawn box 4-square	No	(2) 1/2" (1) 3/4"
FA-401	2 1/8" deep welded box 4-square	No	(2) 1/2" (1) 1/2" & 3/4"
FA-402	2 1/8" deep welded box 4-square	CV	(2) 1/2" (1) 1/2" & 3/4"
FA-403	Flat 4-square cover	No	N/A
FA-404	2 1/8" deep welded 4-square extension ring	No No	(2) 1/2" (1) 1/2" & 3/4"
FA-411	2 1/8" deep welded box 4 11/16" square	No	(3) 1/2" & 3/4"

Red Fire Alarm Boxes and Fittings

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



Each End Conduit	Bottom Conduit	Cu In. Capacity	Unit Qty.	Std Pkg Qty.
(2) 1/2" (1) 3/4"	(3) 1/2" (2) 3/4"	21.0	---	50
(2) 1/2" (1) 1/2" & 3/4"	(3) 1/2" (2) 1/2" & 3/4"	30.3	---	50
(2) 1/2" (1) 1/2" & 3/4"	(3) 1/2" (2) 1/2" & 3/4"	30.3	---	50
N/A	N/A	N/A	---	50
(2) 1/2" (1) 1/2" & 3/4"	N/A	30.3	---	50
(3) 1/2" & 3/4"	(3) 1/2" (2) 1/2" & 3/4"	42.0	---	50

EMT Fittings

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.

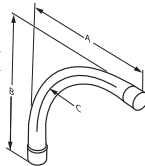


 File No. E9391

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.	Dim A	Dim B	Dim C
TWE-125	1 1/4"	---	5	11 1/4"	11 1/4"	7 3/4"
TWE-150	1 1/2"	---	5	12"	12"	9 1/4"
TWE-200	2"	---	2	14 1/4"	14 1/4"	10 3/8"
TWE-250	2 1/2"	---	1	18 1/2"	18 1/2"	11 1/4"
TWE-300	3"	---	1	21"	21"	13 1/4"
TWE-350	3 1/2"	---	1	24 1/2"	24 1/2"	15 3/4"
TWE-400	4"	---	1	25 1/4"	25 1/4"	17"

EMT Fittings

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

Steel / Insulated Throat - 105°C

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

Steel/Insulated Throat-105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-USI	1/2"	50	500	235-USI	2"	5	30
231-USI	3/4"	25	250	236-USI	2 1/2"	2	10
232-USI	1"	25	250	237-USI	3"	2	10
233-USI	1 1/4"	20	120	238-USI	3 1/2"	---	6
234-USI	1 1/2"	10	60	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
240	1/2"	50	500	245	2"	5	30
241	3/4"	25	250	246	2 1/2"	2	10
242	1"	20	200	247	3"	2	10
243	1 1/4"	15	90	248	3 1/2"	---	6
244	1 1/2"	10	60	249	4"	---	6

EMT FITTINGS

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"	20	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
240-DC	1/2"	50	500	245-DC	2"	10	60
241-DC	3/4"	25	250	246-DC	2 1/2"	---	12
242-DC	1"	25	250	247-DC	3"	---	12
243-DC	1 1/4"	10	100	248-DC	3 1/2"	---	6
244-DC	1 1/2"	10	100	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
230-DC2	1/2"	50	500	235-DC2	2"	10	60
231-DC2	3/4"	25	250	236-DC2	2 1/2"	---	12
232-DC2	1"	25	250	237-DC2	3"	---	12
233-DC2	1 1/4"	10	100	238-DC2	3 1/2"	---	6
234-DC2	1 1/2"	10	100	239-DC2	4"	---	6

Zinc Die Cast / Insulated Throat - 105°C

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

EMT FITTINGS

Quick Install EMT Connectors



1701-DC

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 into the fitting and lock the fitting into the box or enclosure



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.



File No. E24001

Patented.


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.

 File No. E24001

Patented.


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.

 File No. E24001

Patented.

Steel

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

EMT FITTINGS

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.



File No. E24001

Patented.

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
231-S0	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.



File No. E24001

Patented.

Steel

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



File No. E24001

Patented.


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.

 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.

 File No. E24001

Steel

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

EMT Fittings

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.

 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.

 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.

 File No. E24001

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
241-S0	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.

 File No. E24001

Steel

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

EMT Fittings

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.

 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.

 File No. E24001

Steel

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

Steel / Insulated Throat - 105°C

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

EMT FITTINGS

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

Steel / Insulated Throat - 105°C

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

Steel / Insulated Throat - 105°C

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

Made in the USA

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.

***Note:** USA Made Raintight Compression Connectors are NOT UL Listed.

Steel

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

Steel/Insulated Throat - 105°C

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

EMT Fittings

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

Made in the USA

Raintight Compression Couplings



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

***Note:** USA Made Raintight Compression Connectors are NOT UL Listed.

Steel

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-USRT	1/2"	25	250	263-USRT	1 1/4"	---	25
261-USRT	3/4"	20	250	264-USRT	1 1/2"	---	10
262-USRT	1"	10	100	265-USRT	2"	---	10

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
260-US	1/2"	25	250	265-US	2"	---	10
261-US	3/4"	20	200	266-US	2 1/2"	2	10
262-US	1"	10	100	267-US	3"	2	10
263-US	1 1/4"	---	25	268-US	3 1/2"	---	6
264-US	1 1/2"	---	25	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
250-DC2	1/2"	50	500	255-DC2	2"	---	10
251-DC2	3/4"	25	250	256-DC2	2 1/2"	---	12
252-DC2	1"	15	150	257-DC2	3"	---	12
253-DC2	1 1/4"	10	100	258-DC2	3 1/2"	---	6
254-DC2	1 1/2"	10	40	259-DC2	4"	---	6

Zinc Die Cast / Insulated Throat - 105°C

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

EMT FITTINGS

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

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.



File No. E24001

Patented.

Zinc Die Cast

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



*Consult factory for availability.

Zinc Die Cast / Insulated Throat - 90°C

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



File No. E24001

Patented.



Zinc Die Cast

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



*Consult factory for availability.

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

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
270-DC12	1/2"	20	100

EMT FITTINGS

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

Combination Couplings



Compression type 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



280-DC



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

Set screw type couplings used to join EMT to flexible metal conduit. 280-DC has steel strap.



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



File No. E9391: 280-DC EMT to non-metallic sheath cable only.

Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
280-DC	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

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

Steel


Catalog Number	Trade Size	Unit Qty.	Std. Pkg.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
290-DC	1/2"	50	200	290-S	1/2"	25	100
291-DC	3/4"	25	100	291-S	3/4"	25	100
292-DC	1"	25	100	292-S	1"	10	50

EMT FITTINGS

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

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



Coupling used to join duplex 14/2 (.44" 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. 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	Unit Qty.	Std. Pkg.
4157-DC	3/8" - 3/4"	25	100

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

EMT FITTINGS

One Hole EMT Straps




Malleable



Steel

To support EMT to mounting surface.

 File No. E161206 (924-S & 925-S)

 File No. LR39354: 920-S & 921-S

Malleable Iron

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

Zinc Plated Steel

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

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.




Malleable Iron

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

Two Hole Pipe Straps

To support EMT to mounting surface.

 File No. E161206: 1907 thru 1910

 File No. LR39354



Zinc Plated Steel

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

EMT FITTINGS

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
TWB-51	1/2"	100	1000	TWB-56	2"	---	50
TWB-52	3/4"	50	500	TWB-57	2 1/2"	---	25
TWB-53	1"	25	250	TWB-58	3"	---	25
TWB-54	1 1/4"	25	250	TWB-59	3 1/2"	---	25
TWB-55	1 1/2"	---	100	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 157)

US Patent 6,715,803,B1



File No. E24001

Zinc Plated Steel


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

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-31	1/2"	10	60	C-36	2"	1	6
C-32	3/4"	10	60	C-37CG*	2 1/2"	---	1
C-33	1"	5	30	C-38CG*	3"	---	1
C-34	1 1/4"	2	10	C-39CG*	3 1/2"	---	1
C-35	1 1/2"	2	10	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
C-41CGC	1/2"	10	60	C-44CGC	1 1/4"	2	10
C-42CGC	3/4"	10	60	C-45CGC	1 1/2"	2	10
C-43CGC	1"	5	30	C-46CGC	2"	1	6

EMT Conduit Bodies

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-31	1/2"	10	60	LB-36	2"	1	6
LB-32	3/4"	10	60	LB-37	2 1/2"	---	1
LB-33	1"	5	30	LB-38	3"	---	1
LB-34	1 1/4"	2	10	LB-39	3 1/2"	---	1
LB-35	1 1/2"	2	10	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LB-41CGC	1/2"	10	60	LB-44CGC	1 1/4"	2	10
LB-42CGC	3/4"	10	60	LB-45CGC	1 1/2"	2	10
LB-43CGC	1"	5	30	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-31	1/2"	10	60	LL-34	1 1/4"	2	10
LL-32	3/4"	10	60	LL-35	1 1/2"	2	10
LL-33	1"	5	30	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LL-41CGC	1/2"	10	60	LL-44CGC	1 1/4"	2	10
LL-42CGC	3/4"	10	60	LL-45CGC	1 1/2"	2	10
LL-43CGC	1"	5	30	LL-46CGC	2"	1	6


EMT Conduit Bodies

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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LLR-41	1/2"	10	60	LLR-44	1 1/4"	2	10
LLR-42	3/4"	10	60	LLR-45	1 1/2"	2	10
LLR-43	1"	5	30	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-31	1/2"	10	60	LR-34	1 1/4"	2	10
LR-32	3/4"	10	60	LR-35	1 1/2"	2	10
LR-33	1"	5	30	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
LR-41CGC	1/2"	10	60	LR-44CGC	1 1/4"	2	10
LR-42CGC	3/4"	10	60	LR-45CGC	1 1/2"	2	10
LR-43CGC	1"	5	30	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-31	1/2"	10	60	T-34	1 1/4"	2	10
T-32	3/4"	10	60	T-35	1 1/2"	2	10
T-33	1"	5	30	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.	Catalog Number	Trade Size	Unit Qty.	Std. Pkg.
T-41CGC	1/2"	10	60	T-44CGC	1 1/4"	2	10
T-42CGC	3/4"	10	60	T-45CGC	1 1/2"	2	10
T-43CGC	1"	5	30	T-46CGC	2"	1	6

EMT Conduit Bodies

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

Neoprene

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

Liquid Tight Connectors, Straight & 90°



429-NMLT



470-NMLT

Nonmetallic straight and 90° connectors for use with nonmetallic “Type B” liquid tight conduit.

 File No. E9391

Straight Non-Metallic

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° Non-Metallic

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!

 File No. E9391

Straight Non-Metallic

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

90° Non-Metallic

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


Liquid Tight Fittings

Liquid Tight Connectors, Straight



Straight connector for use with metallic and non-metallic "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: Steel

 File No. E191572: 436-SLT thru 439-SLT

 File No. LR39354: Steel

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

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

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

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 Fittings

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

Steel with Aluminum Lug/ Insulated Throat - 105°C

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

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

Malleable Iron Insulated Throat - 105°C

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


Liquid Tight Fittings

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

 File No. E191572: 476-SLT thru 479-SLT, -SLTI

 File No. LR39354: Steel

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

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

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

Liquid Tight Fittings


Liquid Tight Connectors with Grounding Lug, 90°



Steel with Aluminum Lug

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

 File No. E9391

 File No. LR39354

Steel with Aluminum Lug

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

Steel with Aluminum / Insulated Throat - 105°C

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

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

Liquid Tight Sealing Rings



Provides liquid tight sealing with connector to box or enclosure.

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


Portable Cord Connectors

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.
651-SP	3/8"	18/3 to 12/3	100	1000

Portable Cord Connectors

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

Steel

Catalog Number	Size	Cable Ranges		For Types S, SO, ST & STO
		Min.	Max	
CG770-250	1/2"	.150	.250	
CG770-350	1/2"	.250	.350	
CG770-450	1/2"	.350	.450	18-2, 3, 4 16-2, 2, 4
CG770-560	1/2"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3
CG770-650	1/2"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2
CG771-250	3/4"	.150	.250	
CG771-350	3/4"	.250	.350	
CG771-450	3/4"	.350	.450	18-2, 3, 4 16-2, 3, 4
CG771-560	3/4"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3
CG771-650	3/4"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2 18-12, 14 16-10, 12
CG771-750	3/4"	.650	.750	14-5, 6, 7 12-4, 5 10-3, 4 8-2 18-16, 18, 20
CG771-850	3/4"	.750	.850	16-14, 16, 18 14-8 12-6, 7, 8 10-5 8-3, 4 6-2
CG772-560	1"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3
CG772-650	1"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2 18-2, 14 16-10, 12
CG772-750	1"	.650	.750	14-5, 6, 7 12-4, 5 10-3, 4 8-2 18-16, 18, 20
CG772-850	1"	.750	.850	16-14, 16, 18 14-8 12-6, 7, 8 10-5 8-3, 4 6-2
CG772-950	1"	.850	.950	18-22, 24, 26 16-20, 22, 24 14-10, 12 10-6, 7, 8 6-3, 4
CG772-1050	1"	.950	1.050	18-30 16-26 14-14, 16 12-10 4-3

Portable Cord Connectors

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

For Types SJ, STO, SJT SJTO, SVO, & BUS DROP	Color	Unit Qty.	Std. Pkg. Qty.
18-2, 3 SVO	Red	25	250
18-2, 3 SJT 18-2, 3, 4 SJO 16-2, 3, SJO	White	25	250
16-4 SJO 14-2, 3, 4 SJO 12-2550 14-3 BUS DROP	Blue	25	250
12-3 SJO 12-3 & 10-3 BUS DROP	Green	25	250
	Beige	25	250
18-2 & 3 SVO	Red	10	100
18-2, 3 SJT 18-2, 3, 4 SJO 16-2, 3 SJO	White	10	1000
16-4 SJO 14-2, 3, 4 SJO 12-2 SJO 14-3 BUS DROP	Blue	10	100
12-3 SJO 12-3 & 10-3 BUS DROP	Green	10	100
	Beige	10	100
8-3 BUS DROP	Yellow	10	100
6-3 BUS DROP	Purple	5	50
12-3 SJO 12-3 & 10-3 BUS DROP	Green	5	50
	Beige	5	50
8-3 BUS DROP	Yellow	5	50
6-3 BUS DROP	Purple	5	50
4-3 BUS DROP	Gray	5	50
	Black	5	50

Portable Cord Connectors

Steel Cord Grip Connectors, Straight Continued...

Steel

Catalog Number	Size	Cable Ranges		For Types S, SO, ST & STO
		Min.	Max	
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
CG773-950	1 1/4"	.850	.950	18-22,24,26 16-20, 22, 24 14-10,12 10-6,7, 6-3,4
CG773-1050	1 1/4"	.950	1.050	18-30 16-26 14-14,16 12-10 4-3
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
CG773-1250	1 1/4"	1.150	1.250	16-40 14-22 12-16,18 10-12,14 2-3
CG773-1375	1 1/4"	1.250	1.375	14-24,26,30 12-20 10-16 2-4
CG774-1050	1 1/2"	0.950	1.050	18-30 16-26 14-14,16 12-10 4-3
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
CG774-1250	1 1/2"	1.150	1.250	16-40 14-22 12-16,18 10-12,14 2-3
CG774-1375	1 1/2"	1.250	1.375	12-24,26,30 12-20 10-16 2-4

Portable Cord Connectors

For Types SJ, STO, SJT SJTO, SVO, & BUS DROP	Color	Unit Qty.	Std. Pkg. Qty.
6-3 BUS DROP	Purple	5	25
4-3 BUS DROP	Grey	5	25
–	Black	5	25
2-3 BUS DROP	Orange	5	25
–	Red	5	25
–	White	5	25
–	Black	2	20
2-3 BUS DROP	Orange	2	20
–	Red	2	20
–	White	2	20

Portable Cord Connectors

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

Aluminum

Catalog Number	Size	Cable Ranges		For Types S, SO, ST & STO
		Min.	Max	
CGA770250	1/2"	.150	.250	
CGA770350	1/2"	.250	.350	
CGA770450	1/2"	.350	.450	18-2, 3, 4 16-2, 2, 4
CGA770560	1/2"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3
CGA770650	1/2"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2
CGA771250	3/4"	.150	.250	
CGA771350	3/4"	.250	.350	
CGA771450	3/4"	.350	.450	18-2, 3, 4 16-2, 3, 4
CGA771560	3/4"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3
CGA771650	3/4"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2 18-12, 14 16-10, 12
CGA771750	3/4"	.650	.750	14-5, 6, 7 12-4, 5 10-3, 4 8-2 18-16, 18, 20
CGA771850	3/4"	.750	.850	16-14, 16, 18 14-8 12-6, 7, 8 10-5 8-3, 4 6-2
CGA772560	1"	.450	.550	18-5, 6, 7 16-5, 6 14-2, 3
CGA772650	1"	.550	.650	18-8, 10 16-7, 8 14-4 12-2, 3 10-2 18-2, 14 16-10, 12
CGA772750	1"	.650	.750	14-5, 6, 7 12-4, 5 10-3, 4 8-2 18-16, 18, 20
CGA772850	1"	.750	.850	16-14, 16, 18 14-8 12-6, 7, 8 10-5 8-3, 4 6-2
CGA772950	1"	.850	.950	18-22, 24, 26 16-20, 22, 24 14-10, 12 10-6, 7, 8 6-3, 4
CGA7721050	1"	.950	1.050	18-30 16-26 14-14, 16 12-10 4-3

Portable Cord Connectors

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

For Types SJ, STO, SJT SJTO, SVO, & BUS DROP	Color	Unit Qty.	Std. Pkg. Qty.
18-2, 3 SVO	Red	25	250
18-2, 3 SJT 18-2, 3, 4 SJO 16-2, 3, SJO	White	25	250
16-4 SJO 14-2, 3, 4 SJO 16-2, 3 SJO	Blue	25	250
12-3 SJO 12-3 & 10-3 BUS DROP	Green	25	250
	Beige	25	250
18-2 & 3 SVO	Red	10	100
18-2, 3 SJT 18-2, 3, 4 SJO 16-2, 3 SJO	White	10	1000
16-4 SJO 14-2, 3, 4 SJO 12-2 SJO 14-3 BUS DROP	Blue	10	100
12-3 SJO 12-3 & 10-3 BUS DROP	Green	10	100
	Beige	10	100
8-3 BUS DROP	Yellow	10	100
6-3 BUS DROP	Purple	5	50
12-3 SJO 12-3 & 10-3 BUS DROP	Green	5	50
	Beige	5	50
8-3 BUS DROP	Yellow	5	50
6-3 BUS DROP	Purple	5	50
4-3 BUS DROP	Gray	5	50
	Black	5	50


Portable Cord Connectors

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

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

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

Flexible Metal Conduit Fittings

Combination Couplings



280-DC



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



280 & 281

Set screw type couplings 280-DC, 281-DC, 282-DC, 282-DCX & 283-DC used to join EMT to flexible metal conduit. 280-DC has steel strap.

Compression type, two-screw steel strap for flexible metal conduit: 280 & 281.



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



File No. E9391: 280-DC EMT to nonmetallic sheath cable only.

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
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

Flexible Metal Conduit Fittings

Squeeze Connectors



403 thru 412



414 thru 418



419 and 420

To connect flexible metal conduit to box or enclosure.



File No. E9391



File No. LR39354: 407 thru 418

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.
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

Flexible Metal Conduit Fittings

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: 407-DC2 & 408-DC2

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 and CSA recognized for use with listed or certified subassemblies.



File No. E9391 (507 and 508 series)



File No. LR39354 (507 and 508 series)

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

Flexible Metal Conduit Fittings

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

Zinc Die Cast

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



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.

 File No. E9391

Spring Steel

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





Flexible Metal Conduit Fittings

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

Flexible Metal Conduit Fittings

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.
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	1/4"	1/4"	50	500

Combination Couplings



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

 File No. E20534

Patented.

Zinc Die Cast

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

 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

 Quick Install

Flexible Metal Conduit Fittings

Whipper-Snap® Single Screw, Strap Type Connectors



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

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
BL16SP	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.
BL16ASP	3/8"	1/2"	50	500



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

Flexible Metal Conduit Fittings

“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

Flexible Metal Conduit Fittings

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



SG38SP



SG38ASP

The SG38SP and SG38ASP are 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 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-DCI2



(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-DCI2	3/8"	1/2"	50	500

Quick Install

Flexible Metal Conduit Fittings

Whipper-Snap® Snap-In Connectors

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.



38ASP

380SP

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

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.



601-DC2

630 & 630-DC2

691-DC2



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

NEW

Malleable Iron

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

Flexible Metal Conduit Fittings

Duplex Connectors

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



600-DC2



602-DC2

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. The 3838ASP and 3838SP are double-snap type connectors. Simply snap cables into connector and snap assembly into electrical box. No tools required! Use with 14/2 to 10/3 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



Flexible Metal Conduit Fittings

Two Screw Strap Type Connectors



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

 File No. E20534

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

45° Connectors



Zinc Die Cast



Malleable Iron

45° fitting 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.
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

90° Connectors



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

 File No. E9391: All, except 801-I

 File No. LR39354

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

Flexible Metal Conduit Fittings

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

Flexible Metal Conduit Fittings

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

Flexible Metal Conduit Fittings

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

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-DCI2	3/8"	1/2"	25	250
851ASP	1/2"	1/2"	25	100
851-DCI2	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°

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



Malleable

Zinc

 File No. E20534: 830-DC2  File No. E191572: 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



84690SP

90° fitting with steel cover used to connect 1 1/2 (.44" Ø min) to 1 3/4 (.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



850SP

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

Armored/Metal Clad Cable Fittings

Squeeze Connector



Used to connect 12/3 (.56" Ø min) to 10/3 (.61" Ø max) 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"	.560"	.610"	50	500

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"	.470"	.570"	100	1000

Whipper-Snap® Snap in Set Screw Connectors



845SP



845ASP

Used to connect 14/2 (.44" 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"	.44"	.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"	.44"	.61"	100	1000

Quick Install

Single Screw Strap Type Connectors



545-DC2

Single screw, hinged strap type connector used to connect 14/2 (.41" 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"	.410"	.610"	100	1000

Whipper-Snap® Single Screw Strap Type Connectors



BL16SP



BL16ASP

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

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
BL16SP	3/8"	1/2"	.440"	.610"	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.		
BL16ASP	3/8"	1/2"	.440"	.610"	50	500

 Quick Install

Single Screw, Strap Type Connectors With Tri-Drive Screw



560-DC2



561-DCI2



560-MCIA2

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: 560-DC2, 561-DC2,
560-MCIA2



File No. LR39354: 560-DC2, 561-DC2,
560-MCIA2

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"	.410"	.610"	50	500
561-DC2	3/4"	3/4"	.625"	.875"	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"	.43"	.610"	50	500
560-MCIA2	3/8"	1/2"	.375	.61"	50	500
561-DCI2	3/4"	3/4"	.610"	.870"	50	500

General Cable Sizes

<u>Catalog Number</u>	
560-DC2, -DCI2	14/2 to 10/3
560-MCIA2	14/2 to 10/4
561-DC2, -DCI2	10/4 to 8/4

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

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
			Min.	Max.		
BL16MCIA	3/8"	1/2"	.38"	.61"	50	500

 Quick Install

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	1/4"	1/4"	50	500

Combination Couplings



Coupling used to join duplex 14/2 (.44" 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. 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	Unit Qty.	Std. Pkg. Qty.
4157-DC	1/2"	3/4"	25	100


Two Screw, Strap Type Connector



565-DC2

566-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

Zinc Die Cast

Catalog Number	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
565-DC2	1/2"	.440"	.525"	100	1000
566-DC2	1/2"	.440"	.525"	100	1000

Armored/Metal Clad Cable Fittings

Low Profile “U” Shaped Strap Connectors



570-DC2



570-DCI2



570-DCR2

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 Min.	Cable Range Max.	Unit Qty.	Std. Pkg. Qty.
570-DC2	3/8"	1/2"	.440"	.610"	50	500
570-DCR2	3/8"	1/2"	.440"	.610"	50	500

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Cable Range Min.	Cable Range Max.	Unit Qty.	Std. Pkg. Qty.
570-DCI2	3/8"	1/2"	.440"	.610"	50	500

Whipper-Snap® Snap-in “U” Shaped Strap Connectors for MCI-A Cable



For connecting 14/2 (.44" Ø min) to 10/3 (.61" 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



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



SG38SP



SG38ASP

The SG38SP and SG38ASP are 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. 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



HCF Cable Color-Coded Connectors



Suitable for use with steel or aluminum 14/2 (.43" Ø min) to 10/3 (.61" Ø max) Health Care Facilities (HCF) armored cable. Green color for all green cable. Green/Red combination for green with red stripe 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
570-G/RI	Green/Red	3/8"	1/2"	50	500

Fire Alarm Cable Color-Coded Connectors



Die Cast

Suitable for use with 18/2 (.41" Ø min) to 12/4 (.61" Ø max) solid TFN or THHN, or 18-2 to 14-2 (.410"-.610" 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.



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"	.415"	.610"	.375"	50	500
AMC-5075	1/2"	1/2"	.580"	.920"	.565"	25	250
AMC-52	3/8"	1/2"	.415"	.610"	.560"	25	250

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, 8/2, 8/3, 8/4, 6/2, 6/3 Armored or Metal Clad Cable

AMC-52:

14/2 to 10/3 Armored or Metal Clad Cable

E-Z Lock® Connectors for MCI-A Cable



For connecting 14/2 (.44" 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. Use slotted or Phillips head screwdriver.

 File No. E20534

Zinc Die Cast


Catalog Number	Trade Size	K.O. Size	Throat Opening	Unit Qty.	Std. Pkg. Qty.
AMC-50MCIA	3/8"	1/2"	.375	50	500



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

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 Connectors for MCI-A Cable



For connecting 14/2 (.44" 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

Armored/Metal Clad Cable Fittings

“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	K.O. Size	Cable Size	AC/MC Range		Unit Qty.	Std Pkg. Qty.
			Min.	Max.		
571-DC2	1/2"	8/2, 6/3	.630"	.940"	50	200
572-DC2	3/4"	4/3, 3/4	1.040"	1.120"	25	100
573-DC2	1"	2/3, 2/0-3	1.180"	1.440"	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"	25	100
573-DCI2	1"	1"	10	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

Snap Type Connectors



590-DC2



590-DCI2



590-DC2
(Back View)

For connecting 14/2 (.44" 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-DCI2	3/8"	1/2"	50	500



Armored/Metal Clad Cable Fittings

Whipper-Snap® Snap-In Connectors



38ASP



380SP

For connecting 14/2 (.44" 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



PVC Jacketed MC and TECK Cable Connector



CONCRETE
TIGHT
RAINTIGHT

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. Concrete tight. Patented.

 File No. E202876

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	3/8"	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	3/8"	1/2"	15	60

90° PVC Jacketed MC and TECK Cable Connector



CONCRETE
TIGHT
RAINTIGHT

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. 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. Concrete tight. Patented.

 File No. 202876

Zinc Die Cast

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
895-DC2	3/8"	1/2"	10	40

Zinc Die Cast / Insulated Throat - 90°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
895-DCI2	3/8"	1/2"	10	40

Duplex Connector



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	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"	.440"	.610"	20	200



Whipper-Snap® Duplex Connector



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 (.44" Ø min) to 10/3 (.61" Ø max), the 3838SP with 14/2 (.44" Ø min) to 12/3 (.61" Ø max) and the 3838ASP with 14/2 (.44" Ø min) to 10/3 (.61" 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



Armored/Metal Clad Cable Fittings

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"	.900"	25	100
655-DC2	3/4"	3/4"	.850"	1.100"	20	100
657-DC2	1"	1"	1.030"	1.310"	5	25

Armored/Metal Clad Cable Fittings

Two Screw Strap Type Connectors



683-DC2



683-DCI2



683-DCX2

Used to connect metal clad cable to box or enclosure.



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)

Catalog Number	K.O. Size	Metal Clad Cable Range		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
683-DC2	1"	.875"	1.040"	10	100
684-DC2	1 1/4"	1.094"	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

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"	1.094"	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"	1.094"	1.250"	10	100
685-DCX2	1 1/2"	1.250"	1.500"	5	25
686-DCX2	2"	1.640"	1.750"	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

90° Duplex Connector

90° fitting with steel cover used to connect 14/2 (.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



84690SP

90° fitting with steel cover used to connect 14/2 (.44" Ø min) to 12/3 (.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

 Quick Install

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. E9391

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 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.
8400MCIA	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-, 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	Metal Clad Cable Range		Unit. Qty.	Std. Pkg. Qty.
			Min.	Max.		
801-DC2	3/8"	1/2"	.500"	.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-DCI2	3/8"	1/2"	.500"	.625"	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

Armored/Metal Clad Cable Fittings

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	Unit Qty.	Std. Pkg. Qty.
802-DC2	3/8"	1/2"	25	250
802-MCIA2	3/8"	1/2"	25	250

 Quick Install

Zinc Die Cast / Insulated Throat - 105°C

Catalog Number	Trade Size	K.O. Size	Unit Qty.	Std. Pkg. Qty.
802-DCI2	3/8"	1/2"	25	250
802ASP	3/8"	1/2"	25	250

 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
802MCIA	3/8"	1/2"	25	250

 Quick Install

Armored/Metal Clad Cable Fittings

Whipper-Snap® 90° Connectors Double-Screw Design



850SP

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

Armored/Metal Clad Cable Fittings

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 Support



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

Transition Fittings

Combination Couplings



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

Malleable Iron

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

Combination Couplings




280-DC



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

Set screw type couplings used to join EMT to flexible metal conduit. 280-DC has steel strap.

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

 File No. E9391: 280-DC EMT to non-metallic sheath cable only.

Zinc Die Cast

Catalog Number	EMT Trade Size	Flex Trade Size	Unit Qty.	Std. Pkg. Qty.
280-DC	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

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

Transition Fittings

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



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



Coupling used to join duplex 14/2 (.44" 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. 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	Unit Qty.	Std. Pkg. Qty.
4157-DC	1/2"	3/4"	25	100

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

Nonmetallic Cable Fittings

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	1/4"	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		Unit Qty.	Std. Pkg. Qty.
		Min.	Max.		
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
					


Nonmetallic Cable Fittings

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		

 Quick Install


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

 Quick Install

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



Nonmetallic Cable Fittings

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

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

Whipper-Snap® Two Screw, Strap Type Connector



841SP

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



Protector Strip



Provides physical protection in minimum depth walls for nonmetallic-sheath cables in accordance with 2008 National Electrical Code. Shields low voltage cables and similar cabling subjected to damage or hidden in shallow recessed walls. May be used in exposed or concealed locations. Slots provided to secure cable as required by National Electrical Code article 334.30. Zinc electroplated, .063" thick steel, 3-foot length. Patented.

 File No. E161206

Steel

Catalog Number	Unit Qty.	Std. Pkg. Qty.
733-PS	---	20

Nonmetallic Cable Fittings

Knockout Insulating Bushings



Converts metallic box rough edged holes to smooth insulated holes for protection of electrical, voice, data and video cables.

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"	1.359"	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	Trade Size	Unit Qty.	Std. Pkg. Qty.
9882	---	50	500



Cable Support



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

Nonmetallic Cable Fittings

Cable Stacker



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



Metal Stud



Wood Stud

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
Round Openings:	1	10/2 AWG
	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

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

Grounding Products

Ground Clamps - Bare Wire Type



1307-B, 1307-B1, 1309-B,
1309-DC, 1314-B, 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

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

Grounding Products

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



CLU Series

Copper lugs are used with copper conductors and provide high conductivity with lower heat rise. Aluminum lay-in lugs are suitable for use with copper or aluminum conductors.

 File No. E155561: ALI-50, ALI-112, ALI-252, CLU-70

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	Amperage Rating	Unit Qty.	Std. Pkg. Qty.
CLU-35	6 thru 14	#10	35-50	25	250
CLU-70	2 thru 8	1/4"	70-90	20	200
CLU-125	1/0 thru 6	1/4"	125	10	100

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



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

Grounding Products

Grounding Rod Clamps - Direct Burial Type



For terminating bare copper conductor to ground rod.
Conductor range #10 solid to #2 stranded.

 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.
GRC-50	1/2"	100	400
GRC-63	5/8"	50	200
GRC-75	3/4"	50	200

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. Trade size 1/2" suitable for use with no. 8, 6, 4, 3, or 2 AWG copper or aluminum, stranded or solid, conductor; 3/4" size for use with no. 4, 3, 2, 1, 1/0, 2/0, and 3/0 AWG copper or aluminum, stranded or solid, conductor. 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
- cULus listed for grounding per UL467

 File No. E20412

Patent Pending.

Brass

Catalog Number	Trade Size In Inches.	AWG Wire Capacity	Unit Qty.	Std. Pkg. Qty.
MC-050	1/2"	#8 - #2	25	100
MC-075	3/4"	#4 - #3/0	25	100

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. Trade size 1/2" suitable for use with no. 8, 6, 4, 3, or 2 AWG copper or aluminum, stranded or solid, conductor; 3/4" size for use with no. 4, 3, 2, 1, 1/0, 2/0, and 3/0 AWG copper or aluminum, stranded or solid, conductor. 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
- cULus listed for grounding per UL467

Patent Pending.



File No. E20412

Brass

Catalog Number	Trade Size In Inches.	AWG Wire Capacity	Unit Qty.	Std. Pkg. Qty.
MCC-050	1/2"	#8 - #2	25	100
MCC-075	3/4"	#4 - #3/0	25	100

Grounding Products

Rebar Ground Clamps -Direct Burial Type



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

Switch Box Supports



To support switch box in wallboard; installed in pairs.

Steel

Catalog Number	Unit Qty.	Std. Pkg. Qty.
722	100	1000

Insulator Support Beam Clamps



951



951-S

Single screw beam clamp insulator support with two threaded holes. 951-A for use with bridle ring.



File No. E161206: 951 thru 954, 951-A

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
951-A	1"	10-24	3/4"	100	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"	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"	100	25	100
953-S	2"	3/8-16	7/8"	200	---	50

Clamps and Hangers

Conduit Clamps

Right Angle
Type



Parallel
Type



Edge
Type



To secure conduit perpendicular to beam or channel.
For rigid and IMC conduit.

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")

NEW

Conduit Hangers With Bolt



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. All others have 2-way slotted/Phillips screw.

 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

Service Entrance

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 Size		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

Service Entrance

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

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.
937-C	3-#4	10	100
938-C	3-#2	10	100

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

Service Entrance

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

Entrance Cap Hole Sizes:

1220: 2 holes 9/16" dia.

1221: 2 holes 25/32" dia.

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 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

Service Entrance

Entrance Caps - Mast Type



Slip-fit screw type entrance cap for rigid conduit or IMC.

 File No. E11259

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.


Aluminum / Phenolic Insulator

Catalog Number	Size	Unit Qty.	Std. Pkg. Qty.
1246-MT	2", 1 1/4" Cap	---	10
1257-MT	2 1/2", 2" Cap	---	5

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.

Service Entrance

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.

Service Entrance

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-20000	Service Entrance Kit for Oval S.E. Cable (200 Amp or less) <ul style="list-style-type: none">• Service Head (Cat 1221)• Service Entrance Connector (2 pcs.) (Cat 676-DC2)• Watertight S.E. Connector (Cat 766-4)• 3/0-4/0 S.E. Strap (12 pcs.) (Cat 884-SE)	1	10
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 THROUGH MLB-46



MLB-47 THROUGH MLB-50

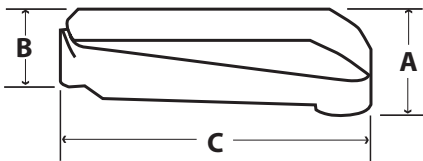
Allows larger access to the inside of a raceway for wire pulling. Raintight.

 File No. E11077

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

Aluminum

Catalog Number	Trade Size	Unit Qty.	Std. Pkg. Qty.	Dim A	Dim B	Dim C
MLB-44	1 1/4"	---	5	2 3/4"	2 3/8"	8 1/2"
MLB-45	1 1/2"	---	2	4 3/4"	3 1/8"	11 1/2"
MLB-46	2"	---	2	5 3/4"	3 1/8"	13"
MLB-47	2 1/2"	---	1	6 1/4"	4 7/16"	20"
MLB-48	3"	---	1	6 1/4"	4 7/16"	20"
MLB-49	3 1/2"	---	1	7 7/8"	5 1/2"	26"
MLB-50	4"	---	1	7 7/8"	5 1/2"	26"



Service Entrance

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

Service entrance kits provide an assortment of components for electrical service installation.



SE-KIT200

Catalog Number	Description	Unit Qty.	Std. Pkg. Qty.
SE-KIT100	100 Amp SE Cable Kit	---	1
	<ul style="list-style-type: none"> • Service Head (1240-PVC) • Water Tight Connector (764-2N) • Duct Seal (DS-100) • (2) SE Connectors (674-DC2) • (12) 1 Hole Straps (882-SE) • (2) Ground Clamps (1308-DC) • (2) Ground Rod Clamps (GRC-63) • (13) #10 x 1-½" Hex Head Slotted Screws 		
SE-KIT150	150 Amp SE Cable Kit	---	1
	<ul style="list-style-type: none"> • Service Head (1241-PVC) • Water Tight Connector (765-2) • Duct Seal (DS-100) • (2) SE Connectors (675-DC2) • (12) 1 Hole Straps (883-SE) • (2) Ground Clamps (1308-DC) • (2) Ground Rod Clamps (GRC-75) • (13) #10 x 1-½" Hex Head Slotted Screws 		
SE-KIT200	200 Amp SE Cable Kit	---	1
	<ul style="list-style-type: none"> • Service Head (1242-PVC) • Water Tight Connector (766-3) • Duct Seal (DS-100) • (2) SE Connectors (676-DC2) • (12) 1 Hole Straps (884-SE) • (2) Ground Clamps (1308-DC) • (2) Ground Rod Clamps (GRC-75) • (13) #10 x 1-½" Hex Head Slotted Screws 		

Insulator Support Beam Clamps



951



951-S

Single screw beam clamp insulator support with two threaded holes. 951-A for use with bridle ring.

 File No. E161206: 951 thru 954, including 951-A

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
951-A	1"	10-24	3/4"	100	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"	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"	100	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.


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"	1.359"	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



BR



BRI



BRW



BRWI

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 Support



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.

 File No. E161206



NMCB-2

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-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



NMLV-100B




NMLV-200B

Cable Stacker



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



Metal Stud



Wood Stud

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.

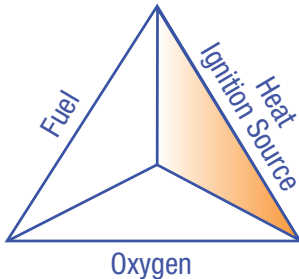
Complies with NEC Article 300-15(c).

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

Fire Tetrahedron



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	
I Gasses, Vapors and Liquids (Art.501)	A: Acetylene B: Hydrogen, etc. C: Ether, etc. D: Hydrocarbons, fuels, solvents, etc.	
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)	
III Fibers and Flyings (Art.503)	Textiles, wood-working, etc. (easily ignitable, but not likely to be explosive)	

Hazardous Location Product Designs

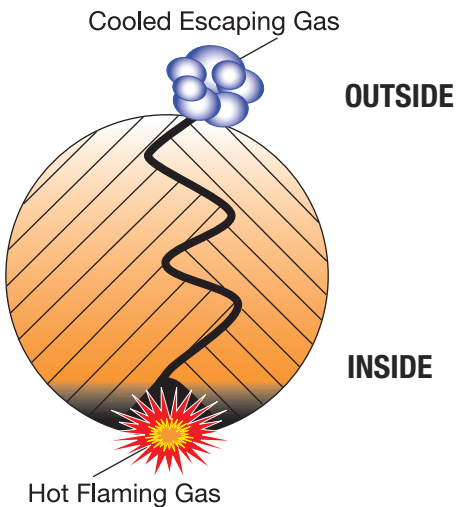
Threaded Joints

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.

	DIVISION 1	DIVISION 2
	Normally explosive and hazardous	Not normally present in an explosive concentration (but may accidentally exist)
	Normally explosive and hazardous	Not normally present in an explosive concentration (but may accidentally exist)
	Handled or used in manufacturing	Stored or handled in storage (exclusive of manufacturing)



Hazardous Location

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, Liquidtight Flexible Metal Conduit with listed fittings, Liquidtight 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, Liquidtight Flexible Metal Conduit with listed fittings, Liquidtight 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.

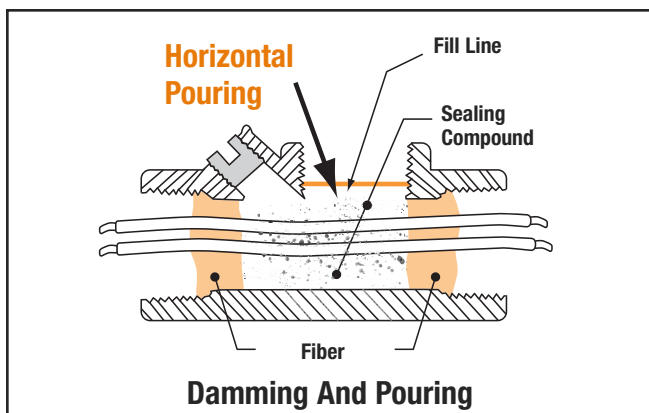
Boxes and Fittings

All boxes and fittings shall be Dust Tight. **NEC Art 503.10 (A) (1)**

Flexible Connections

Where flexibility is needed, dust-tight flexible connectors, Liquidtight 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)**

Hazardous Location



Application:

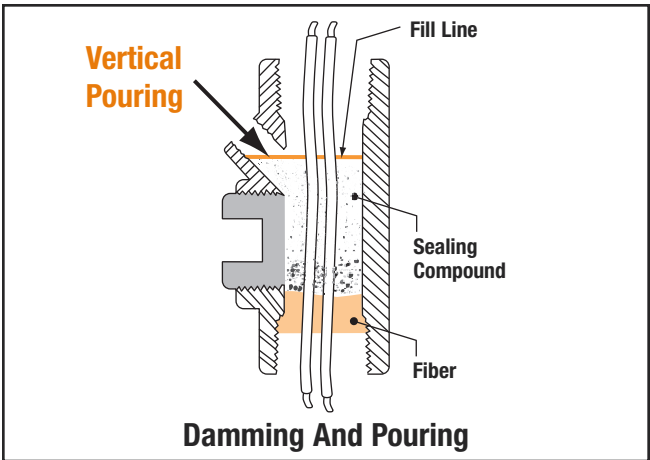
- Sealing compound is used to restrict the passage of gasses, vapors, or flames from traveling through the sealing fitting and prevent the passage of flames from one electrical installation to another through the conduit or raceway.
- Fiber is used to separate conductors from each other and from the 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**. 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. Arcs 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

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

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


Catalog Number	Description	Unit Qty.	Std. Pkg. Qty.
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. 1 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, 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.

 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 tapped 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

Specialty Products

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

Protector Strip



Provides physical protection in minimum depth walls for nonmetallic-sheath cables in accordance with 2008 National Electrical Code. Shields low voltage cables and similar cabling subjected to damage or hidden in shallow recessed walls. May be used in exposed or concealed locations. Slots provided to secure cable as required by National Electrical Code article 334.30. Zinc electroplated. .063" thick steel, 3-foot length. Patented.



File No. E161206

Steel

Catalog Number	Unit Qty.	Std. Pkg. Qty.
733-PS	---	20

Specialty Products

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, 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

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

Specialty Products

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 1/2" 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

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

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

 File No. E24001

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.

Specialty Products

Firestop



A water-based, non-corrosive, non-toxic, odorless quality intumescent. The FS-1000 is rated 3000°F for 8 hours. The FS-500R is rated 2000°F for 4 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.

Classified by Underwriters Laboratories as a non-combustible product in compliance with zero flame and zero smoke index.

 File No. R25422

Intumescent

Catalog Number	Cartridge Size	Unit Qty.	Std. Pkg. Qty.
FS-500R	10.5 fluid ounces	1	12
FS-1000	10.5 fluid ounces	1	12

 NEW

Low Voltage Device Holders for New Work



NMLV-100F



NMLV-100B



NMLV-200F



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

Specialty Products

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

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.

Technical Guide

APPENDIX I



Listing File Numbers

CATEGORY

Armored Cable Connectors, Type AC
Armored Cable Connectors, Type AC Certified for Canada
Caulking and Sealants Certified for Canada
Caulkings and Sealants
Conduit and Cable Hardware
Conduit and Cable Hardware Certified for Canada
Conduit Fittings
Conduit Fittings Certified for Canada
Conduit Fittings Certified for Canada
Conduit Fittings for Use in Hazardous Locations
Electrical Metallic Tubing Fittings
Electrical Metallic Tubing Fittings Certified for Canada
Metal-clad Cable Connectors, Type MC
Metallic Outlet Boxes
Metallic Outlet Boxes Certified for Canada
Nonmetallic-sheathed Cable Connectors
Optical Fiber/Communications/Signaling/Coaxial Cable Outlet Boxes
Optical Fiber/Communications/Signaling/Coaxial Cable Outlet Boxes Certified for Canada
Outlet Bushings and Fittings
Outlet Bushings and Fittings Certified for Canada
Tape, General Use
Transformers, Class 2 and Class 3
Visual-signal Appliances
Visual-signal Appliances
Visual-signal Appliances Certified for Canada
Visual-signal Appliances Certified for Canada
Wire Connectors and Soldering Lugs

APPENDIX II



Listing File Numbers

Class Class Description

9052-01 INSULATING DEVICES AND MATERIALS-Bushings
4412-01 OUTLET BOXES AND FITTINGS-Bushings, Fittings
4412-02 CONDUIT FITTINGS-Fittings For Metal Conduit
4412-03 CONDUIT FITTINGS - Fittings For-Nonmetallic Conduit
4414-01 FITTINGS-Armored Cable
4414-03 FITTINGS-Electrical Metallic Tubing (EMT) - Steel
4414-05 FITTINGS-Non-Metallic Sheathed Cable
4414-08 FITTINGS-Cable - Hardware
4415-01 STAPLES AND STRAPS-Armored Cable
4415-02 STAPLES AND STRAPS-Conduit
4415-04 STAPLES AND STRAPS-Electrical Metallic Tubing (EMT)
9085-01 AUTHORIZED PACKAGERS OF CSA CERTIFIED PRODUCTS-
4412-02 CONDUIT FITTINGS-Fittings For Metal Conduit
4415-02 STAPLES AND STRAPS-Conduit
4412-02 CONDUIT FITTINGS-Fittings For Metal Conduit
4414-05 FITTINGS-Non-Metallic Sheathed Cable
4418-02 OUTLET BOXES AND FITTINGS-Boxes - For Hazardous Locations
4418-03 CONDUIT FITTINGS-Fittings - For Hazardous Locations

APPENDIX III

Bridgeport products listed by Underwriters

Product Group	UL Standard
Rigid & IMC Conduit Bodies	UL-514A
Rigid & IMC Conduit Fittings	UL-514B
EMT Fittings	UL-514B
Liquid Tight Fittings	UL-514B
Portable Cord Fittings	UL-514B
Flexible Metal & AC/MC Cable Fittings	UL-514B
Non-Metallic Cable Fittings	UL-514B
Grounding Fittings	UL-467
Service Entrance Fittings	UL-514B

FILE No.

E20534
 E20534
 R25422
 R25422
 E161206
 E161206
 E191572
 E24001
 E191572
 E312219
 E24001
 E24001
 E191676
 E11077
 E11077
 E11698
 E302367
 E302367

E11259
 E11259
 R14730
 E308949
 E312242
 E305841
 E312242
 E305841
 E155561

File Number

71053
 039354_0_000
 039354_0_000
 039354_0_000
 039354_0_000
 039354_0_000
 039354_0_000
 039354_0_000
 039354_0_000
 039354_0_000
 039354_0_000
 052255_0_000
 702847
 702847
 74878
 74878
 237741
 237741

Laboratories & CSA comply with the following specifications:

CSA Standard	NEMA Standard	Federal Specification
C22.2 18.3-04	FB-1	A-A-50563
C22.2 18.3-04	FB-1	A-A-50553
C22.2 18.3-04	FB-1	A-A-50553
C22.2 18.3-04	FB-1	A-A-50552
C22.2 18.3-04	FB-1	A-A-50552
C22.2 18.3-04	FB-1	A-A-50552
C22.2 18.3-04	FB-1	A-A-50552
C22.2 18.3-04	FB-1	A-A-50552
C22.2 18.3-04	FB-1	A-A-50563

Technical Guide

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 7468 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.

Technical Guide

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"

UL 6, Recommended Dimensions For Rigid Conduit

Trade Size	Threads	O.D.	I.D.
	Per Inch		
1/2"	14	.840"	.622"
3/4"	14	1.050"	.824"
1"	11-1/2	1.315"	1.049"
1-1/4"	11-1/2	1.660"	1.380"
1-1/2"	11-1/2	1.900"	1.610"
2"	11-1/2	2.375"	2.067"
2-1/2"	8	2.875"	2.469"
3"	8	3.500"	3.068"
3-1/2"	8	4.000"	3.548"
4"	8	4.500"	4.026"
5"	8	5.563"	5.047"
6"	8	6.635"	6.065"

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 360, Recommended Dimensions For Liquid Tight Flexible Steel Conduit

Trade Size	O.D.		I.D.	
	Min.	Max.	Min.	Max.
3/8"	.590"	.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"

Technical Guide

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 AWG	3 #1/0 AWG	3 #1/0 AWG	3 #1/0 AWG
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 AWG	3 #1/0 AWG	3 #1/0 AWG	3 #1/0 AWG
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 with AFC Cable Systems® Aluminum and Steel MCI-A

Snap-In Style:

Cat. No.	Description
380SP	3/8" Snap-In/Snap-In
38ASP	3/8" Snap-In/Snap-In, Insulated
3838SP	3/8" Duplex Snap-In/Snap-In
3838ASP	3/8" Duplex Snap-In/Snap-In, Insulated
SG38SP	3/8" 1-Screw Clamp Type
SG38ASP	3/8" 1-Screw Clamp Type, Insulated
SG38MCIA	3/8" 1-Screw Clamp Type, Insulated
SG3838ASP	3/8" Duplex 2-Strap Clamp Type, Insulated
SG50SP	1/2" 1-Screw Clamp Type
SG50ASP	1/2" 1-Screw Clamp Type, Insulated
840SP	3/8" 2-Screw Clamp Type
8400SP	3/8" 2-Screw Clamp Type
8400MCIA	3/8" 2-Screw Clamp Type, Insulated
845SP	3/8" 1-Side Screw Snap-In
845ASP	3/8" 1-Side Screw Snap-In, Insulated
846SP	3/8" Duplex 1-Screw Clamp Type
AMC-50	3/8" Steel 1-Screw Clamp Type, Insulated
AMC-50MCIA	3/8" Steel 1-Screw Clamp Type, Insulated
AMC-52	3/8" Steel Duplex 1-Screw Clamp Type
BL16SP	3/8" Saddle Type
BL16ASP	3/8" Saddle Type, Insulated
BL16MCIA	3/8" Saddle Type, Insulated

APPENDIX IX (continued)

Locknut Style:

Cat. No.	Description
545-DC2	3/8" 1-Screw Type
560-DC2	3/8" 1-Screw Clamp Type
560-DCI2	3/8" 1-Screw Clamp Type, Insulated
560-MCIA2	3/8" 1-Screw Clamp Type, Insulated
565-DC2	3/8" 2-Screw Clamp Type
566-DC2	3/8" 2-Screw Clamp Type
570-DC2	3/8" 1-Screw Clamp Type
570-DCI2	3/8" 1-Screw Clamp Type, Insulated
570-DCR2	3/8" 1-Screw Clamp Type, Round End
590-DC2	3/8" Push-In Type
590-DCI2	3/8" Push-In Type, Insulated
601-DC2	3/8" Duplex 1-Screw Clamp Type
691-DC2	3/8" Duplex 2-Screw Clamp Type
802-MCIA2	3/8" 90° 1-Screw Connector

Transition Coupling:

Cat. No.	Description
4157-DC	3/4"-3/8" EMT to MCI-A Cable Coupling

MCI-A Cable

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2 (.53"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2 (.53"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4 (.56"Ø max)

HCF MCI-A Cable

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3
(.53"Ø max)

12/2 (.52"Ø min), 12/3
(.53"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

12/2 (.52"Ø min), 12/3
(.56"Ø max)

MCI-A Cable

14/2 (.42"Ø min), 14/3, 14/4,12/2,
12/3, 12/4, 10/2, 10/3 (.60"Ø max)

HCF MCI-A Cable

12/2 (.52"Ø min), 12/3,
10/2 (.60"Ø max)

APPENDIX X

Connector Compatibility with Southwire® Aluminum Sheath MCI-A

Snap-In Style:

Cat. No.	Description
380SP	3/8" Snap-In/Snap-In
38ASP	3/8" Snap-In/Snap-In, Insulated
3838SP	3/8" Duplex Snap-In/Snap-In
3838ASP	3/8" Duplex Snap-In/Snap-In, Insulated
SG38SP	3/8" 1-Screw Clamp Type
SG38ASP	3/8" 1-Screw Clamp Type, Insulated
SG38MCIA	3/8" 1-Screw Clamp Type, Insulated
SG3838ASP	3/8" Duplex 2-Strap Clamp Type, Insulated
SG50SP	1/2" 1-Screw Clamp Type
SG50ASP	1/2" 1-Screw Clamp Type, Insulated
8400SP	3/8" 2-Screw Clamp Type
8400MCIA	3/8" 2-Screw Clamp Type, Insulated
845SP	3/8" 1-Side Screw Snap-In
845ASP	3/8" 1-Side Screw Snap-In, Insulated
846SP	3/8" Duplex 1-Screw Clamp Type
802MCIA	3/8" 90 Degree 1-Screw
AMC-50	3/8" Steel 1-Screw Clamp Type
AMC-50MCIA	3/8" Steel 1-Screw Clamp Type
AMC-5075	1/2" Steel 1-Screw Clamp Type
AMC-52	3/8" Steel Duplex 1-Screw Clamp Type
BL16SP	3/8" Saddle Type Connector
BL16ASP	3/8" Saddle Type Connector, Insulated
BL16MCIA	3/8" Saddle Type Connector, Insulated

MCI-A Cable

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.59"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.59"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

6/3, 8/2, 8/3

6/3, 8/2, 8/3

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4, (.59"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4, (.59"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

6/2, 6/3, 8/2, 8/3

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

HCF MCI-A Cable

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.59"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.59"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2 (.53"Ø max)

12/2 (.38"Ø min), 12/3, 12/4, 10/2 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

6/3, 8/2, 8/3

6/3, 8/2, 8/3

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4, (.59"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4, (.59"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

6/2, 6/3, 8/2, 8/3

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

APPENDIX X (continued)

Locknut Style:

Cat. No.	Description
560-DC2	3/8" 1-Screw Clamp Type
560-DCI2	3/8" 1-Screw Clamp Type, Insulated
560-MCIA2	3/8" 1-Screw Clamp Type, Insulated
565-DC2	3/8" 2-Screw Clamp Type
566-DC2	3/8" 2-Screw Clamp Type
570-DC2	3/8" 1-Screw Clamp Type
570-DCI2	3/8" 1-Screw Clamp Type, Insulated
570-DCR2	3/8" 1-Screw Clamp Type, Round End
571-DC2	1/2" 1-Screw Clamp Type
571-DCI2	1/2" 1-Screw Clamp Type, Insulated
571-S	1/2" Steel 1-Screw Clamp Type
571-SI	1/2" Steel 1-Screw Clamp Type, Insulated
601-DC2	3/8" Duplex 1-Screw Clamp Type
691-DC2	3/8" Duplex 2-Screw Clamp Type
802-MCIA2	3/8" 90 Degree 1-Screw
BL-17	1/2" 1-Screw Strap Type
BL-17I	1/2" 1-Screw Strap Type, Insulated

MCI-A Cable

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/2 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

14/4 (.43"Ø min), 12/2, 12/3, 12/4, 10/2, 10/3 (.53"Ø max)

6/3 or 8/3 only

6/2, 6/3, 8/2, 8/3

6/3 or 8/3 only

6/2, 6/3, 8/2, 8/3

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

14/2 (.38"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3

8/3 only

8/3 only

HCF MCI-A Cable

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2 (.53"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2 (.53"Ø max)

6/3 or 8/3 only

6/2, 6/3, 8/2, 8/3

6/3 or 8/3 only

6/2, 6/3, 8/2, 8/3

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 12/3, 12/4, 10/2, 10/3, 10/4 (.61"Ø max)

12/2 (.43"Ø min), 14/3, 14/4, 12/2, 12/3, 12/4, 10/2, 10/3

8/3 only

8/3 only

Installation FAQ's

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 333.7 and 334.10(A) denotes the different requirements for securing Armored and Metal Clad cables. Although similar in appearance, each cable has unique requirements.

Armored cable [NEC Article 333.7] must be secured at intervals not exceeding 4-1/2 feet and within 12" of box or fitting.

Metal Clad cable [NEC Article 334.10(A)] must be secured at least every 6 feet. Cables with four or fewer conductors must be secured within 12" of box or fitting.

Why Use Steel Safety Plates?

NEC Article 300.4(E) 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. This requirement excludes raceways covered by NEC Articles 345, 346, 347, and 348. 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.

Installation FAQ's

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.

Is There an NEC Exception For Use Of NM Cable In Solid Conduit?

There is an exception to NEC Article 373.5(C) which permits single entry of multiple nonmetallic sheath cables into surface mounted panel board when the cables are protected by solid conduit or tubing.

A solid raceway, such as EMT, between 18 and 120 inches in length may enclose multiple nonmetallic sheath cables into the top of a surface mounted panel. This raceway must extend directly above the panel and must not penetrate any structural ceiling. Additionally, this exception requires the raceway end that the cables enter be plugged to prevent entrance of foreign material, and cable fill requirements of Chapter 9 must be met.

What Are The NEC Requirements For Use Of an Anti-Short Bushing?



When installing ARMORED CABLE (Type AC), NEC Article 333.9 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 501.16(B), exception 'a', will permit the use of liquidtight flexible metal conduit and liquidtight 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.



Installation FAQ's

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).

Never use a direct bearing set screw type MC connector with aluminum sheath metal clad cable; the fitting is not designed for this purpose and the screw will pierce the sheath possibly causing a short.

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 - MCAP, 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.

Installation FAQ's

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.

Installation FAQ's

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 Non-Metallic Gas Piping?



2005 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 for **Grounding**.

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 non-metallic 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 non metallic 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

Installation FAQ's

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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