

Infrastructure Made Easy



O-Z/Gedney™ Specialty Products
Electrical Infrastructure Products that Electrical Installations Rely On.



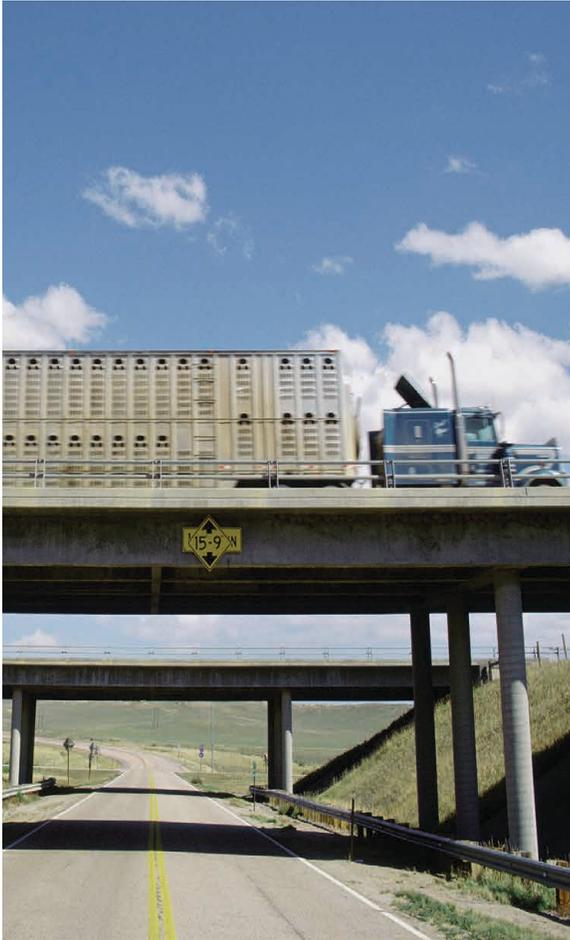


We Think of Everything, So You Don't Have To

Rigorous planning and attention to specifications should make any project run smoothly. Emerson's vast line of O-Z/Gedney™ specialty products practically guarantees it. These products work flawlessly in places that are inaccessible after the walls are built. Products that will serve for generations keeping out water, carrying cables skyward or protecting electrical connections.

Made from the best materials for corrosion resistance and durability, the O-Z/Gedney™ specialty products are installed in walls, floors and ceilings; inside, outside, below-grade, hidden and exposed – virtually anywhere. A century of experience results in customer-driven specialty products with features that are not found anywhere else.

Every Product Has it's Place



Emerson is in the business of designing and manufacturing innovative electrical products for infrastructure development. From airport terminals to sky scrapers, all kinds of facilities need specific products that are easy to install and built to last. Electrical contractors everywhere know they can count on us to provide standard or highly customized electrical products that are going to perform to the highest standards. Flexible manufacturing capability allows us to offer a variety of customized O-Z/Gedney™ specialty products with short turnaround times.

From cast junction boxes that protect electrical connections in the poured concrete of a highway bridge to thruwall seals that bring power into a wastewater treatment plant, O-Z/Gedney™ specialty products are built to function flawlessly. Our reputation depends on it.



Specialized Products For Specialized Places

- Airport Terminals
- Agricultural/Petro Plants
- Clean Rooms
- Convention Centers
- Food Processing Facilities
- Highways/Bridges
- Mid & High-Rise Office Buildings
- Municipal Buildings
- Power Plants
- Public Parking Complexes
- Pulp & Paper Plants
- Retail Shopping Centers
- Saw Mills
- Subway Systems
- Train/Light Rail Systems
- Wastewater Treatment Plants

O-Z/Gedney™ Cast Junction Boxes



Cast junction boxes have been a staple of infrastructure construction for over 100 years. The O-Z/Gedney™ brand is a market leader, providing a broad selection of hot dip galvanized cast iron junction boxes in sizes ranging from 4" x 4" x 4" to 36" x 24" x 12". Our engineers can suggest where to locate conduit entries and accessories.

Types

Surface Mount or Above Ground Pull/Splice Boxes

- NEMA 4 Watertight
 - Unflanged Boxes (YS Series)
 - Overlapping Cover Boxes (YL Series)
 - Hinged Cover Boxes (YW Series)
 - Hinged Cover Terminal Cabinets (YW Series)
- NEMA 6 Submersible
 - Flat Flanged Boxes (YF Series)

Flush Mount

- NEMA 4 Watertight
 - Outside Flanged Recessed Cover Boxes (YR Series)
- NEMA 3R Raintight
 - Inside Flanged Recessed Cover Boxes (YU Series)
- Removable Flange
 - Checkered Cover Sidewalk Boxes (YT Series)
- Open Bottom
 - Checkered Cover Sidewalk/Roadway Topping Box (Y58E Series)

O-Z/Gedney™ Thruwall and Floor Seals



WSCS

Conduit or cable that enters into a facility should not function as a waterway. Thruwall and floor seals offer the best defense against moisture and serve as the optimum choice for below grade foundation conduit or cable entry. They are designed to provide a watertight blockage between poured concrete and the fitting body as well as a pressure-tight seal around the penetrating end.

As the concrete dries, it tends to shrink away from typical PVC sleeves cast into the wall. Our exclusive O-Z/Gedney™ thruwall and floor seals eliminate leaks caused by concrete shrinkage to keep the structure and electrical system clean and dry. With the ability to withstand the pressure of a 50 foot head of water, these seals are also ideal for high groundwater table areas.

Types

FSCS Single-Seal Thruwall & Floor Seal

- For Conduit, Cable, Pipe or Tubing

WSCS Double-Seal Thruwall Seal

- For Conduit, Cable, Pipe or Tubing

O-Z/Gedney™ Expansion and Deflection Fittings



Long runs of electrical conduit are required in many infrastructure environments including bridges, roadways, tunnels, mass transit systems and airports. Large overnight or seasonal temperature changes cause extensive expansion and contraction of conduit. Seismic activity, heavy vehicular traffic and vibration conditions require protection from angular or parallel misalignment.

O-Z/Gedney™ invented expansion and deflection fittings and through Emerson, continues to offer a vast line of solutions that allow for dynamic conduit movement while protecting the conduit and enclosed conductors from destructive forces.

Types

Expansion Fittings

- Linear Expansion/Contraction of RMC/IMC or EMT Conduit

Deflection Fittings

- Expansion/Contraction/Angular and Parallel Misalignment

Combination Expansion Fitting/Pull Box

Bonding Jumpers for Telescoping Raceways

Combination Expansion/Deflection Fittings

Pull Box Fittings

O-Z/Gedney™ Cable Terminators and Conduit Sealing Bushings



Cable terminators, compound bushings and sealing bushings effectively seal single or multiple cables and conduit to provide ingress protection from adverse environmental conditions. The O-Z/Gedney™ conduit sealing bushings eliminate the need for manual sealing because it is designed to provide the same level of environmental protection. Since there is no process involved, installation is essentially “goof-proof.” The terminators and bushings mate with multiple cable and conduit configurations. They perform well in higher gas or fluid pressure conditions up to 100 psig.

With over 100 years of experience, our O-Z/Gedney™ Cable Terminators and Conduit Sealing Bushings are built to pass a simple test. Time. Our experience allows us to offer a great deal of flexibility in terms of choices and the ability to provide a quick turnaround time.

Types

Cable Terminators with Compound Chamber or Threaded Rigid Conduit

Compound Bushings

Sealing Bushings

Conduit Sealing Bushings

Materials

Malleable Iron with Zinc plate

Malleable Iron – Hot Dip Galvanized

All Stainless Steel Hardware

O-Z/Gedney™ Conduit Bushings



Insulating bushings protect wires and cables from abrasion during wire pulling and mechanical vibration. Emerson's industry-leading O-Z/Gedney™ conduit bushings suit any application and are the most commonly specified by engineers and end-users because we offer more material choices, extensive wire ranges and a larger variety of trade sizes. The molded-on phenolic liner, with a 150°C temperature rating, ensures the bushings will not pop off or melt. The positive metallic conduit end stop keeps the conduit from dislodging from the insulating liner, avoiding a code violation. The original grounding Copper Plus Lay-In-Lug makes installation of the ground wire easier. They are available in ½" through 6" trade sizes with a ground wire range from #14 to 500 kcmil.

Types

- Insulated Bushings
- Insulated Grounding Bushings
- Insulating Bushings and Couplings

Materials

- Malleable Iron with Zinc plate
- Malleable Iron – Galvanized
- Copper-free Aluminum
- Cast Bronze
- All Stainless Steel Hardware

O-Z/Gedney™ Armored and Metal Clad Cable Terminators



As the industry moves to Armored/Metal Clad cable routed in cable trays, the O-Z/Gedney™ cable terminators are ideal for use to secure, ground, and seal jacketed and non-jacketed armored cable to electrical cabinets and enclosures. Manufactured to suit any adverse environment, our cable terminators are ideal for higher-voltage applications.

Types

- Jacketed Metal Clad Cable Connectors
 - Type PG
- Cable Terminators for Non-Jacketed Metal Clad Cable
 - Type PK Series

Materials

- Malleable/Ductile Iron – Galvanized

O-Z/Gedney™ Cable Supports



In 1917 O-Z/Gedney™ invented cable supports and through Emerson, continues to refine them. The variety offered is a result of changing applications we have witnessed over the years.

Cable supports eliminate potential safety issues that arise when cable is inappropriately supported by electrical terminations instead of a true cable support. Our O-Z/Gedney™ cable supports are ideal for any situation, whether you need cable supported horizontally, vertically, indoors, outdoors, or retro-fitted. A Field Engineer can even be sent onsite to make sure inspections go smoothly by showing you exactly how many cable supports are needed for your project. They are available in 1-½" to 6" trade sizes.

Types

Indoors

- Type S (2 or more wires for up to 600 V maximum)
- Type R (1 or more wires for any voltage)

Outdoor

- Ventilated or Non-Ventilated Compound Type
(1 or more wires for all voltages)

Steel Wire Armored

- For Long Unsupported Cable Runs

Materials

Hot Dip Galvanized Malleable

Ductile Iron-Galvanized

Thermoset Phenolic Bakelite

Helping to process food, clean water, generate power and get from place to place, safely.



O-Z/Gedney™ is a cornerstone brand of Emerson's Electrical Apparatus and Lighting business; trusted worldwide to make electrical installations safer, more productive and more reliable.

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