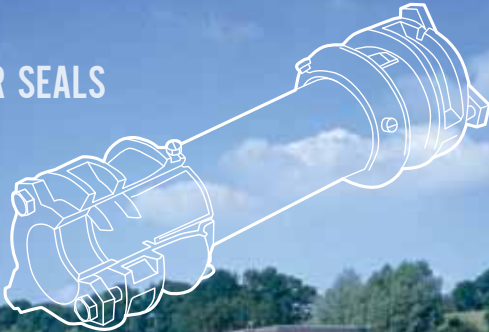


**“WE THINK OF EVERYTHING.”**

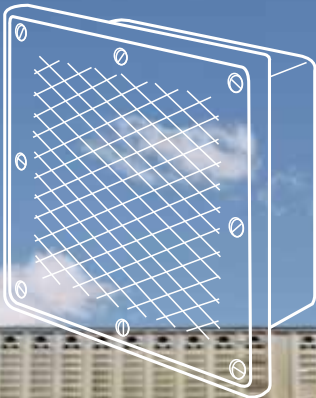
A photograph of a construction site. In the foreground, several tall, grey concrete pillars stand in a grid pattern. The ground is covered in gravel and has a network of rebar (steel reinforcement) laid out. Two workers wearing blue hard hats and dark clothing are bent over, working on the rebar. In the background, a yellow forklift is visible, and the scene is slightly blurred, suggesting a busy work environment. The text "WE THINK OF EVERYTHING." is overlaid in white, bold, sans-serif font across the middle of the image.



THRU-WALL AND FLOOR SEALS



CAST JUNCTION BOXES



**“WE THINK OF EVERYTHING, SO YOU DON’T HAVE TO.”**

**Rigorous planning and attention to specifications should make any project run smoothly. O-Z/Gedney’s vast line of 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.**

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

**OZGEDNEY**

**CABLE SUPPORTS**





## EVERY PRODUCT HAS ITS PLACE.

O-Z/Gedney is in the business of designing and manufacturing innovative electrical products for infrastructure development. From airport terminals to power plants, all kinds of facilities need specific products that are easy to install and built to last. Electrical contractors everywhere know they can count on O-Z/Gedney to provide standard or highly customized products that are going to perform to the highest standards. Flexible manufacturing capability allows O-Z/Gedney to offer a variety of customized 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 products are built to function flawlessly. Our reputation depends on it.

## SPECIALIZED PRODUCTS FOR SPECIALIZED PLACES.

Airport Terminals  
Agri/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

## CAST JUNCTION BOXES



Cast junction boxes have been a staple of infrastructure construction for over 100 years.

O-Z/Gedney is recognized as the market leader with the broadest selection of cast junction boxes in size ranges of 4" x 4" x 2" to 36" x 36" x 18" and material choices of hot dip galvanized cast iron, cast aluminum and cast bronze. Our engineers can suggest where to locate conduit entries and accessories or do it yourself with our online drilling template.

### TYPES:

#### Surface Mount

- NEMA 4 Watertight
  - Unflanged Boxes
  - Overlapping Cover Boxes
  - Hinged Cover Boxes
  - Hinged Cover Terminal Cabinets
- NEMA 6 Submersible
  - Flat Flanged Boxes

#### Flush Mount

- NEMA 4 Watertight
  - Outside Flanged Recessed Cover Boxes
- NEMA 3R Raintight
  - Inside Flanged Recessed Cover Boxes
- Removable Flange
  - Checked Cover Sidewalk Boxes
- Ornamental Trim
  - Hinged Door & Trim Cabinet
- Open Bottom
  - Checked Cover Sidewalk/Roadway Topping Box

#### Above Ground Pull/Splice Boxes

- NEMA 4 Watertight

## THRUWALL AND FLOOR SEALS



Conduit or cable entries into a facility should not function as waterways. Thruwall and floor seals offer the best defense against moisture and serve as the optimum choice for below grade foundation conduit/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. O-Z/Gedney's exclusive 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:

#### Single-Seal Thruwall & Floor Seal

- For Conduit, Pipe or Tubing

#### Double-Seal Thruwall Seal

- For Conduit, Pipe or Tubing

#### Seals

- For Large Size Mechanical Pipes

#### WSCS Thruwall & Floor Seal

- For Cable

#### Controlled Environment Vault Cable Seals

## 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 vehicle traffic and vibration conditions require protection from angular or parallel misalignment. O-Z/Gedney invented this type of fitting and continues to offer a vast line of expansion and deflection fittings 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

#### 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



## 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. O-Z/Gedney conduit sealing bushings eliminate the need for manual sealing because the protection is designed in with the same 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.

O-Z/Gedney has over 100 years of real life testing these products. We offer a great deal of flexibility in terms of choices and can provide a quick turnaround time.

### **TYPES:**

**Cable Terminators with Compound Chamber or Threaded Rigid Conduit**

**Compound Bushings**

**Sealing Bushings**

**Conduit Sealing Bushings**

### **MATERIALS:**

**Aluminum**

**Stainless Steel**

**Bronze**

## CONDUIT BUSHINGS



Insulating bushings protect wires and cables from abrasion during wire pulling and mechanical vibration. O-Z/Gedney's industry-leading conduit bushings suit any application and are the most commonly specified by engineers and end-users because O-Z/Gedney offers 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.

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**

## ARMORED AND METAL CLAD CABLE TERMINATORS



As the industry moves to Armored/Metal Clad cable routed in cable trays, O-Z/Gedney cable terminators are used to secure, ground, and seal jacketed and non-jacketed armored cable to electrical cabinets and enclosures. Available in various materials to suit any adverse environment, O-Z/Gedney's exclusive compound-filled cable terminators are ideal for higher-voltage applications.

### TYPES:

#### Jacketed Metal Clad Cable Connectors

- Type MCJ Fast-Fit™
- Type PG
- Tek-Mate™ Fast-Fit™
- Tek-Nut™ Cable Connectors

#### Cable Terminators for Non-Jacketed Metal Clad Cable

- Type PK series

#### Cable Terminators for Jacketed Metal Clad Cable

- Type SPK series

### MATERIALS:

Malleable/Ductile Iron – Galvanized  
Copper-free Aluminum  
Cast Bronze

## CABLE SUPPORTS



O-Z/Gedney invented cable supports and continues to refine them. The variety offered is a result of changing applications O-Z/Gedney has witnessed over the years. Cable supports eliminate a potential safety issue when cable is inappropriately supported by the electrical terminations instead of a true cable support. O-Z/Gedney cable supports are ideal for any situation, whether you need cable supported horizontally, vertically, indoor, outdoor, 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. Available in 1-1/2" to 6" trade sizes.

### TYPES:

#### Indoor

- 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  
Copper-free Aluminum  
Cast Bronze  
Thermoset Phenolic Bakelite

O-Z/Gedney is a premium line of commercial and infrastructure products under EGS Electrical Group, a division of Emerson Industrial Automation.

Emerson Industrial Automation brings integrated manufacturing solutions to diverse industries worldwide. Our comprehensive product line, extensive experience, world-class engineering and global presence enable us to implement solutions that give our customers the competitive edge.

For over 150 years, our electrical product brands have been providing a rich tradition of long-term, practical, high quality solutions with applications ranging from the construction and safe operation of petrochemical and process plants to providing quality power that precisely controls automotive robotic production.

Engineers, distributors, contractors, electricians and site maintenance professionals around the world trust Emerson Industrial Automation brands to make electrical installations safer, more productive and more reliable.

EGS is organized into three focused businesses that provide distributors and end-users expert knowledge and excellent service.

#### Electrical Construction Materials

This group manufactures a broad range of electrical products including conduit and cable fittings, plugs and receptacles, enclosures and controls, conduit bodies, and industrial lighting. Whether the application is hazardous location, industrial, or commercial, the ECM group has the products to meet your needs.

#### Power Quality Solutions

This group offers the broadest power quality line including UPS, power conditioners, voltage regulators, shielded transformers, surge suppression devices and power supplies.

#### Heating Cable Systems

This group offers a broad range of electrical heating cable products for residential, commercial, and industrial applications.

#### Electrical Construction Materials

 **Appleton**

**OZGEDNEY**

#### Power Quality Solutions

**SOLAHD**

#### Heating Cable Systems

**EASYHEAT**

**NELSON**