

## WHY STAINLESS STEEL?

### BROADEST SELECTION. BETTER RESPONSE. BEST PERFORMANCE.

Headquartered in Hammond, IN, Calbrite is the leading name in stainless steel conduit systems for harsh and corrosive environments. We offer the largest stainless steel conduit systems offering in the industry, with over 2,800 SKUs manufactured to strict guidelines set forth by UL and NEMA. Many of our products are ARRA-compliant.

If you have a need for a unique product, or need a product converted to stainless steel, we can work with you to develop custom products quickly and at a competitive price.

### STAINLESS STEEL IN HARSH ENVIRONMENTS

- **Corrosion-resistance.** Both 304 and 316 stainless steel alloys provide excellent resistance to corrosives, at extreme temperatures and in most industrial environments. When scratched, stainless steel's exposed metal "self-heals", oxidizing over the abrasion to protect against further corrosion.
- **Longevity.** The durability of conduit systems, frequently in excess of 50 years, reduces the need for costly maintenance or replacement needs, providing long term protection for your facility and optimizing your equipment investment.
- **Lowest total cost of ownership.** For many applications, stainless steel has the lowest maintenance cost and the lowest total lifecycle cost of any other UL-approved conduit material. This is due to the durability of stainless steel. It will outlast other materials, require little, if any, maintenance, and is easy to install (contractors only need their standard tools).
- **Environmentally-friendly.** Stainless steel retains structural and anti-corrosive properties in temperatures ranging from cryogenic to hundreds of degrees and does not burn and emit dangerous smoke and carcinogens. Additionally, stainless steel is recyclable.
- **Easy to install.** Calbrite stainless steel conduit and fittings do not require installers to use special tools or labor-intensive procedures for installation, and stainless is in full NEC compliance for all facilities.

Stainless steel provides a reliable, durable conduit that ensures uptime, increases productivity, and provides a long service life in industrial and commercial applications. Stainless steel is the first choice for these applications:

- Food and beverage
- Mining
- Pharmaceutical plants
- Power plants
- Pulp and paper
- Wastewater treatment
- Petrochemical
- Architectural & structural design
- Marine and coastal facilities
- Transportation
- Other harsh environments

### CALBRITE™ STAINLESS STEEL VS. ALUMINUM?

- Stainless steel conduit and fittings have up to five times the strength of aluminum and will last several times longer
- Stainless steel holds up against the same wash-down procedures and products that all installed stainless steel processing equipment stands up to, whereas aluminum cannot
- Stainless steel provides a safe, durable, lightweight, hygienic environmentally friendly, cost-effective, safe alternative to aluminum

### CALBRITE™ STAINLESS STEEL VS. PVC-COATED?

#### PVC Coated:

- Requires special installation tools, unlike stainless steel
- Toxicity can make it undesirable for food & potable water
- Potential "frequent" repairs
- If damaged, causes galvanized conduit to be exposed directly to corrosive environment
- Is not considered to be recyclable – stainless steel is 100% recyclable



## STAINLESS STEEL CONDUIT SYSTEMS

### STAINLESS STEEL CONDUIT



Stainless Steel Rigid Conduit 1/2" – 4"  
 Stainless Steel EMT Conduit 1/2" – 2"  
 Lengths – Rigid & EMT 5' & 10'  
 Stainless Steel Flex Conduit  
 Bare & Coated 1/2" – 1 1/2"  
 Flex Coils – 25'

**Material:** Type 304 & 316  
**Specifications:** UL 6A & CUL 6A,  
 ANSI C80.1, NEMA 4X

Finish – Exterior polished for corrosion  
 resistance & sanitary environments

### STAINLESS STEEL CONDUIT BODIES



**Body Style Form 8:** C, LB, LL, LR, TB, T, X  
**Size Range:** 1/2" – 4"

**Material:** Type 316  
**Specification:** UL 514A

All conduit bodies include cover & gasket

### STAINLESS STEEL HUBS & COUPLINGS



Hub (Line Terminator) 1/2" – 4"  
 Conduit Coupling 1/2" – 4"  
 3 Piece Coupling 1/2" – 2"  
 Grounding Hub 1/2" – 4"

**Material:** Type 316

### STAINLESS STEEL NIPPLES & ELBOWS



Nipples – Standard and Special Lengths  
 Elbows – Standard & Special Radius  
**Size Range:** 1/2" – 4"

**Material:** Type 304 & 316  
**Specifications:** UL 6A & CUL 6A, ANSI C80.1

### STAINLESS STEEL DEVICE BOXES



**Box Style:** FD, FDC Single, FDC Double,  
 FDT, FS, FST & FSX Single, FSCC Single,  
 FDX, FDCC

**Material:** Type 316  
**Specification:** UL 514A

### STAINLESS STEEL IN-USE BOX



Stainless Steel In-Use weather-proof box

**Material:** Type 316  
**Specifications:** NEMA 4X

Shallow and deep styles available

### CHANNEL & STRUT CLAMPS



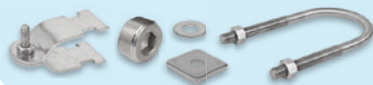
Slotted Strut – 7/8" & 1-5/8"  
 Length – 10'

Available in other sizes, styles & gauges  
 upon request

**Material:** Type 304 & 316

Strut Clamps – 1/2" – 4" Type 316

### ACCESSORIES



Clamps, Angle Brackets, Washers, Nuts,  
 U-Bolts, Locknuts, Cover Gasket Kits, Straps,  
 Cap Screws, Threaded Rod, Rod Couplings,  
 Conduit Caps, Box Connectors, Bushings

Pulling Elbows, Wedge Anchors, Nest Back  
 Clamps and Spacers, Compression Connectors,  
 Flex Connectors, Fender Washers

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