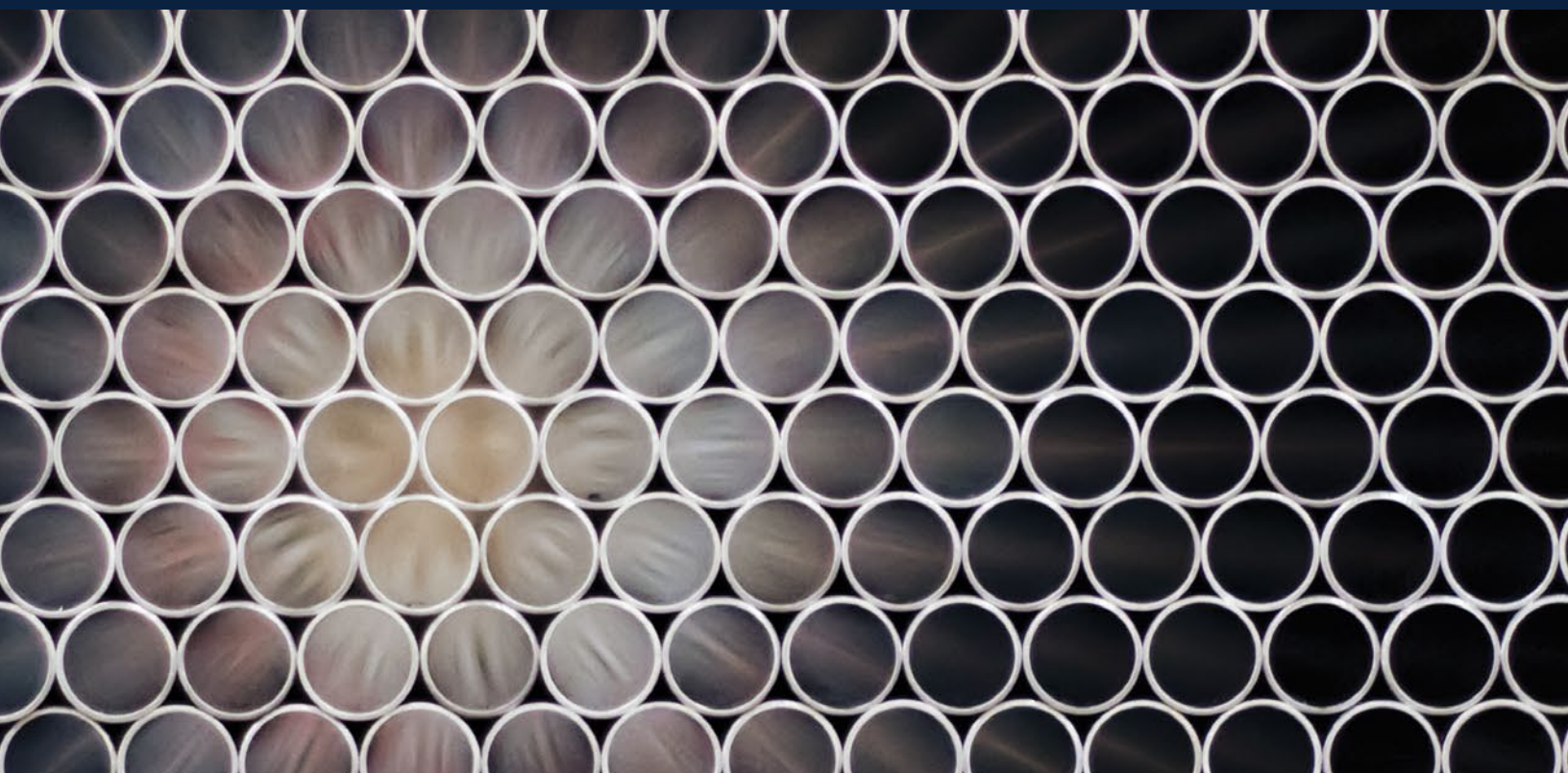
PENN

PENN ALUMINUM CONDUIT & EMT

A Marmon / Berkshire Hathaway Company

Aluminum EMT
The Smart Choice



Aluminum EMT is The Smart Choice.

- **Lower Cost**
- **Superior Appearance**
- **Reduced Labor**
- **Enhanced Safety**
- **Lighter Weight**
- **100% Recyclable**
- **Easier Fabrication**
- **Non-Corrosive**

Frequently Asked Questions

1. **Does Aluminum EMT meet the same code standards as galvanized steel EMT?**
   Yes, Aluminum EMT meets the UL 797A Safety Standard: Electrical Metallic Tubing – Aluminum & Stainless Steel. Aluminum EMT may be used in virtually all applications.
2. **Can galvanized steel EMT fittings be used with Aluminum EMT?**
   Yes, as referenced in the National Electrical Code Handbook, 2017 Edition, Section 358.14 and UL514B, galvanized steel fittings and enclosures may be used with Aluminum EMT when not subjected to severe corrosive environments.
3. **Is Aluminum EMT easier to bend than galvanized steel EMT?**
   Yes, Penn Aluminum EMT is produced using processes to improve the bending characteristics for consistent and easy bending in the fab shop or at the jobsite. Please see "Recommended Practices" on the next page for insights on bending.
4. **Is Aluminum EMT easier to cut than galvanized steel EMT?**
   Yes, using the same cutting equipment, Aluminum EMT is easier to cut than steel.
5. **What type of wire pulling fish tape should be used with Aluminum EMT?**
   It is recommended that a fiberglass fish tape be used when pulling wire bundles through Aluminum EMT. Please see "Recommended Practices" for insights regarding wire pulling with Aluminum EMT.
6. **Is Aluminum EMT a sustainable "Green" product?**
   Yes, aluminum is one of the most recyclable materials on Earth. Penn Aluminum EMT is produced from recycled aluminum. In addition, the production process of extruding aluminum is a much more environmentally sound practice than galvanizing steel EMT. Aluminum jobsite scrap also maintains recycling monetary value.
7. **Is Aluminum EMT more expensive than galvanized steel EMT?**
   No, the aluminum extrusion process used to produce aluminum EMT, along with the use of recycled aluminum, provides a lower cost end product. This, combined with the lighter weight and non-corrosive characteristics of Aluminum EMT, results in a total installed cost savings over galvanized steel EMT.

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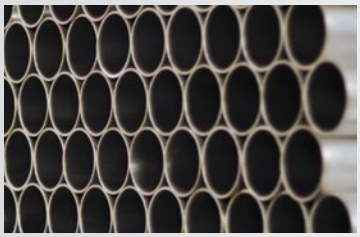
Specification Data: Aluminum Electrical Metallic Tubing (EMT)

- UL listed to UL797A Safety Standard (Steel UL797 Equivalent)
- Meets ANSI C80.3 and Federal Specifications
- Aluminum Alloy: 6063
- Meets the provisions of the Buy American Act



Penn Part Number	US Trade Size	Approximate Weight per 100 feet (lb.)	Nominal Outside Diameter* (in.)	Nominal Inside Diameter** (in.)	Nominal Wall Thickness** (in.)	Master Bundle (Lift)		
						(ft.)	(pcs.)	(lb.)
P-012-10-EMT	1/2	10.30	0.706	0.622	0.042	7,000	700	721
P-034-10-EMT	3/4	15.80	0.922	0.824	0.049	5,000	500	790
P-100-10-EMT	1	23.30	1.163	1.049	0.057	3,000	300	699
P-114-10-EMT	1-1/4	34.70	1.510	1.380	0.065	2,000	200	694
P-112-10-EMT	1-1/2	40.20	1.740	1.610	0.065	1,500	150	603
P-200-10-EMT	2	51.17	2.197	2.067	0.065	1,200	120	614
P-212-10-EMT	2-1/2	74.59	2.875	2.731	0.072	610	61	455
P-300-10-EMT	3	91.18	3.500	3.356	0.072	510	51	465
P-312-10-EMT	3-1/2	120.00	4.000	3.834	0.083	370	37	444
P-400-10-EMT	4	135.66	4.500	4.334	0.083	300	30	407

** Outside Diameter Tolerances: +/- .005" for trade sizes 1/2" through 2", +/- .010" for trade size 2-1/2", +/- .015" for trade size 3", +/- .020" for trade sizes 3-1/2" and 4".*

*** For reference only. Not a requirement of UL 797A Standard.*

Recommended Practices

Bending – Standard EMT bending equipment may be used for fabrication of Penn Aluminum EMT. We recommend maintaining consistent foot pressure when using hand benders and to use the arm as a guide only. Penn Aluminum EMT requires less force to bend than galvanized steel EMT.

Cutting – Use industry standard EMT cutting tools. Aluminum EMT alloy offers efficient and rapid cuts, allowing tooling to last longer.

Fittings – UL514B Safety Standard states that galvanized steel and zinc die cast fittings are permitted to be used with Aluminum EMT. Reference NEC handbook 358.14 for more information.

Wire Pulling/Fishing – It is recommended that round fiberglass fish tape be utilized for smaller wire bundle sizes. Polypropylene rope may be considered for larger bundle pulls.

BLUE LIGHTNING® **–** Penn Aluminum EMT can also be ordered with our factory-applied Blue Lightning friction-reducing coating for improved wire pulling.

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The Smart Choice for All Your Conduit Needs.

As part of Marmon Holdings, Inc., a Berkshire Hathaway Company, Penn Aluminum Conduit & EMT carries on the proud 100-year history of Penn Aluminum – a premier manufacturer of aluminum tubing serving critical American industries.

All of our Rigid Aluminum Conduit and Aluminum EMT products are manufactured from US-produced domestic aluminum billet in our extrusion facility in Murphysboro, Illinois. This location provides a central source to service the strategic electrical markets in the Midwest and Western regions of the country.

From design to application engineering to manufacturing, the safety of our employees and the quality of our products are our highest priorities. Our constant focus on quality and continuous improvement is recognized through our ISO/IATF 16949 certification.

The benefits of aluminum conduit products result in overall electrical project savings, jobsite worker safety, and valued environmental sustainability, making them *the smart choice* in the competitive electrical industry. We look forward to long-term partnerships with electrical distributors, general contractors and end-user electricians in this dynamic and growing market.

Proudly Serving America's Heartland.

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Find us in MasterSpec®
a product of The American Institute of Architects

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