

NEXT-GEN COOLING STARTS HERE // IN STOCK NOW

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OneSource CO₂ SystemTM

Walter Morris' Next Gen
Natural Refrigerant Solution

The Walter Morris Company helps you navigate changing regulations with ease.

Navigate New Mandates

At the start of 2025, the United States entered a new phase of climate regulation as the EPA mandated that all newly manufactured HVAC and refrigeration systems use refrigerants with a Global Warming Potential (GWP) of 700 or lower. This shift, authorized under the AIM Act and aligned with the Kigali Amendment, represents a sweeping transformation for the industry. Much like the historic removal of lead from gasoline, it is both a climate milestone and a complex technical challenge. Manufacturers must redesign systems, distributors must adapt inventory, and contractors need to update their skills to handle next-generation refrigerants.



The Emergence of CO₂ as a Refrigerant

Classified as a "natural" refrigerant, CO₂ is non-ozone depleting, non-toxic, non-flammable, and carries negligible environmental impact when released into the atmosphere. It is currently viewed as a viable solution for refrigeration applications because it is non-ozone depleting, non-toxic, non-flammable and has a high volumetric cooling capacity.



ENVIRONMENTAL BENEFITS

Natural refrigerants like CO₂ don't significantly contribute to climate change if released into the atmosphere. Unlike older synthetic refrigerants, natural refrigerants do not deplete the ozone layer.



REGULATORY COMPLIANCE

Governments and international agreements are phasing out high-GWP synthetic refrigerants. Natural refrigerants help companies stay compliant with these laws.



ENERGY EFFICIENCY

Natural refrigerants can offer high thermodynamic efficiency, which may lead to lower energy use in cooling and refrigeration systems. This reduces energy costs and carbon emissions over time.



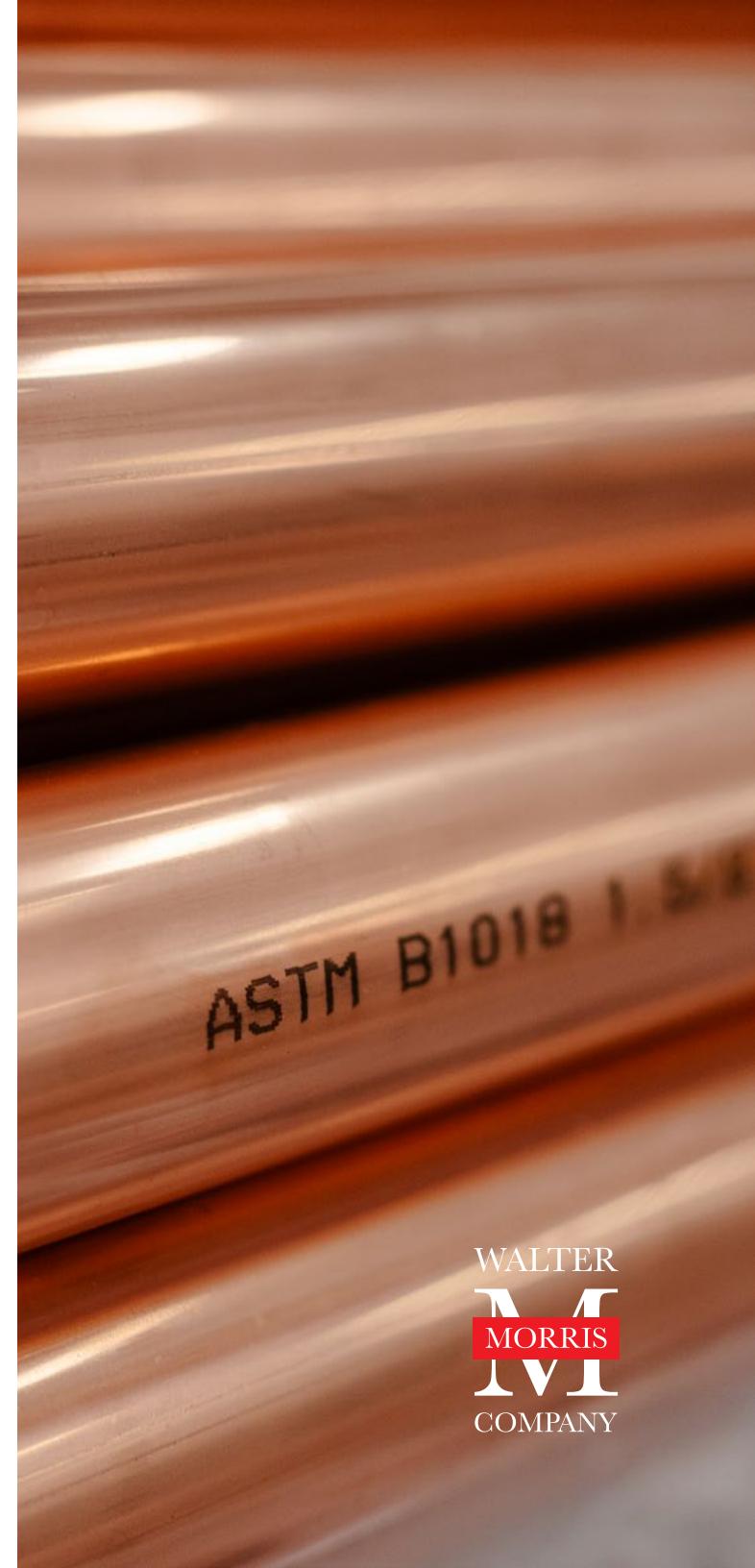
LONG-TERM AVAILABILITY

Being naturally occurring substances, these refrigerants are not under patent restrictions and are widely available. This ensures price stability and long-term availability compared to synthetic alternatives.



SAFETY AND SUITABILITY

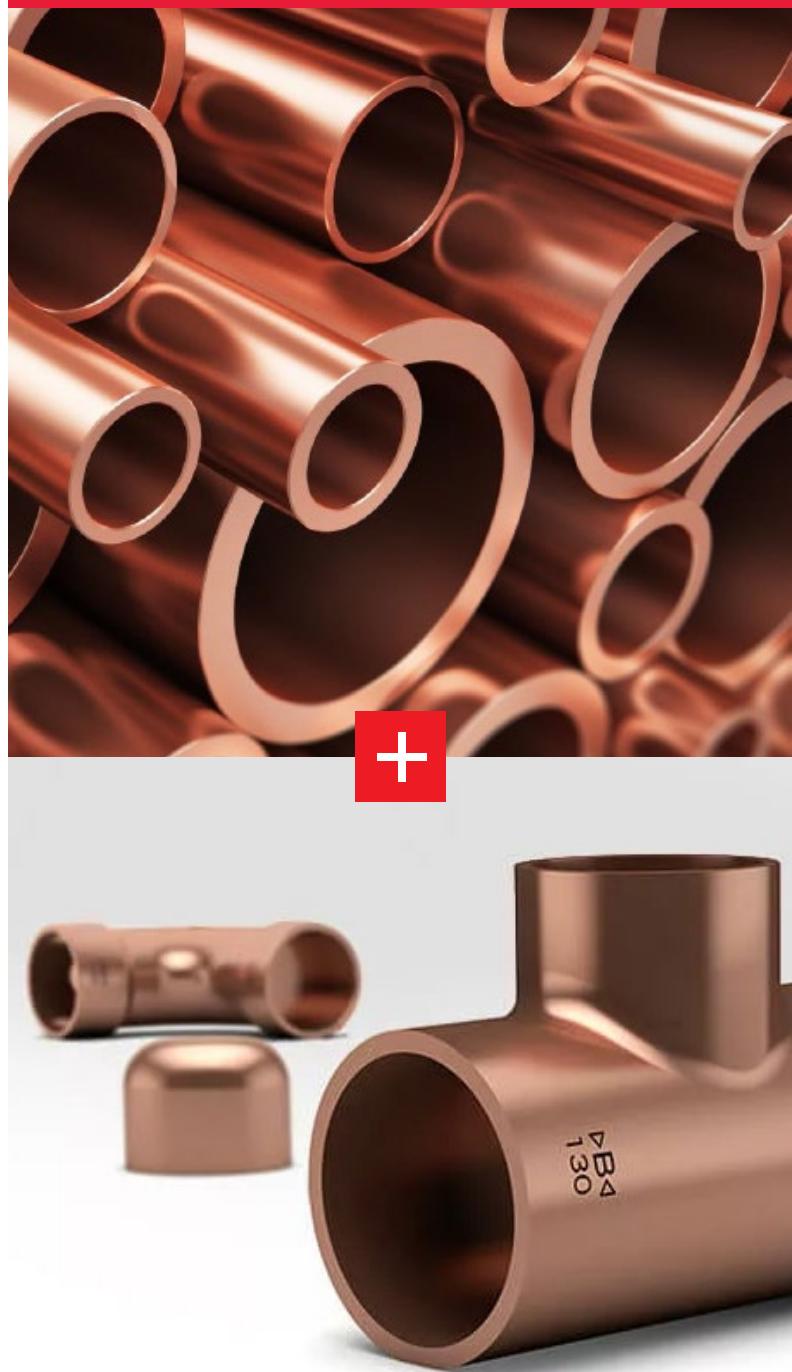
While some natural refrigerants pose handling challenges, modern technology and strict safety standards make them viable and safe options in many industrial and commercial applications.



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OneSource CO₂ Refrigeration

Walter Morris has developed an all-in-one system that simplifies the transition to CO₂. By high-quality products with guidance from a team of experts, we provide a complete solution engineered to meet the unique demands of CO₂ applications. Eliminate the guesswork of sourcing separate components and ensure compatibility, safety, and long-term reliability with Walter Morris.



Benefits

- A single, integrated solution designed for CO₂ systems
- High-pressure resistance and proven durability
- Compatibility between tubes and fittings for seamless installation
- Full compliance with 2025 EPA refrigerant mandates
- Support and expertise from Walter Morris's trusted team

Applications

CO₂ systems play a critical role in the HVAC & R sector by ensuring the efficiency and reliability of heating, refrigeration, and air-conditioning systems.



Ice Rinks

CO₂ systems keep ice consistent and energy-efficient, ensuring reliable conditions for indoor hockey rinks.



Food Processing

Tubes are used to transport refrigerant between different components, ensuring efficient cooling and preservation of food.



Hospitals and Labs

Sensitive storage areas, such as those in hospitals and labs, rely on safe, stable cooling.



Cold Storage

CO₂ refrigeration systems are reliable in low temperature applications, making them ideal for cold storage warehouses.



Grocery Stores

CO₂ systems and copper piping provide efficient and reliable cooling so that grocery stores can ensure the safety of refrigerated food.



Data Centers

CO₂ offers efficient cooling in compact spaces, making it ideal for modern, space-constrained systems.

About the Products: TALOS® XS Copper Tubing

TALOS® XS tubes are manufactured using a high strength copper-alloy material in order to satisfy the demands of today's high-pressure CO₂ systems in refrigeration, as well as other high-pressure HVAC & R applications. The unique properties of high purity copper make TALOS® copper tubes indispensable for air conditioning and refrigeration applications.

C E R T I F I C A T I O N S

UL Certification:

The Certificate of Compliance found on Halcor.com indicates that representative samples of the product described in the certification report have met the requirements for UL certification. Look for the UL Recognized Component Mark on the product.



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TALOS® copper tubes ensure the safe and secure operation of plumbing systems for decades and its resistance to corrosion is guaranteed by the cleaning method utilized during manufacturing.

Benefits

- High thermal conductivity
- Stable mechanical properties covering an extensive temperature range
- Chemically "inert" against HFCs, HFOs and natural refrigerants
(e.g. R-410A, R-32, R-134A, R-407C, R-1234yf, R-1234ze, R-600, R-744, etc.)
- High purity of internal surface
- Smooth internal surface enhancing flow rate
- Excellent weldability and "cold formability"
- Engineered with a commitment to excellence
- Ideally suitable for CO2 refrigeration applications
- Made from Extra-Strong Copper-Iron (CuFe2P) alloy
- Cost-effective and lightweight, manufactured with comparatively thinner walls
- Traditional processing techniques and equipment
- Compatible with existing fittings made of the same alloy

DETAILS

Specifications:

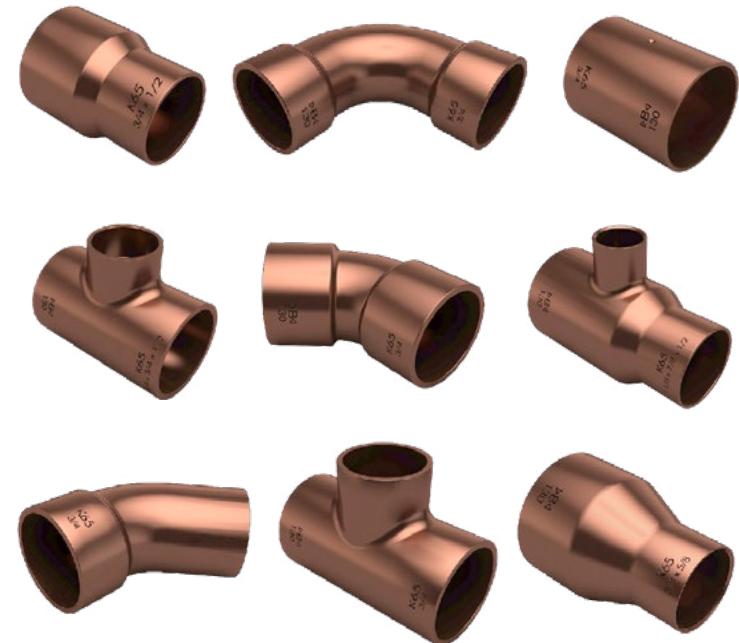
130 bar

Material:

Copper-iron alloy (CuFe2P) with chemical composition according to EN 12735-1 (CW107C) and UNS C19400.

About the Products: Conex Bänninger K65 Brazed Fittings

K65 high strength copper alloy fittings enable simple, safe and economical installation of high pressure refrigeration applications up to 130 bar. K65 fittings are particularly suited for use with CO₂ (R-744) in transcritical applications. The K65 alloy provides a mechanical strength high enough to withstand the pressure ratings required. K65 is a safe and economical solution for refrigeration systems with operating pressures up to 130 bar.



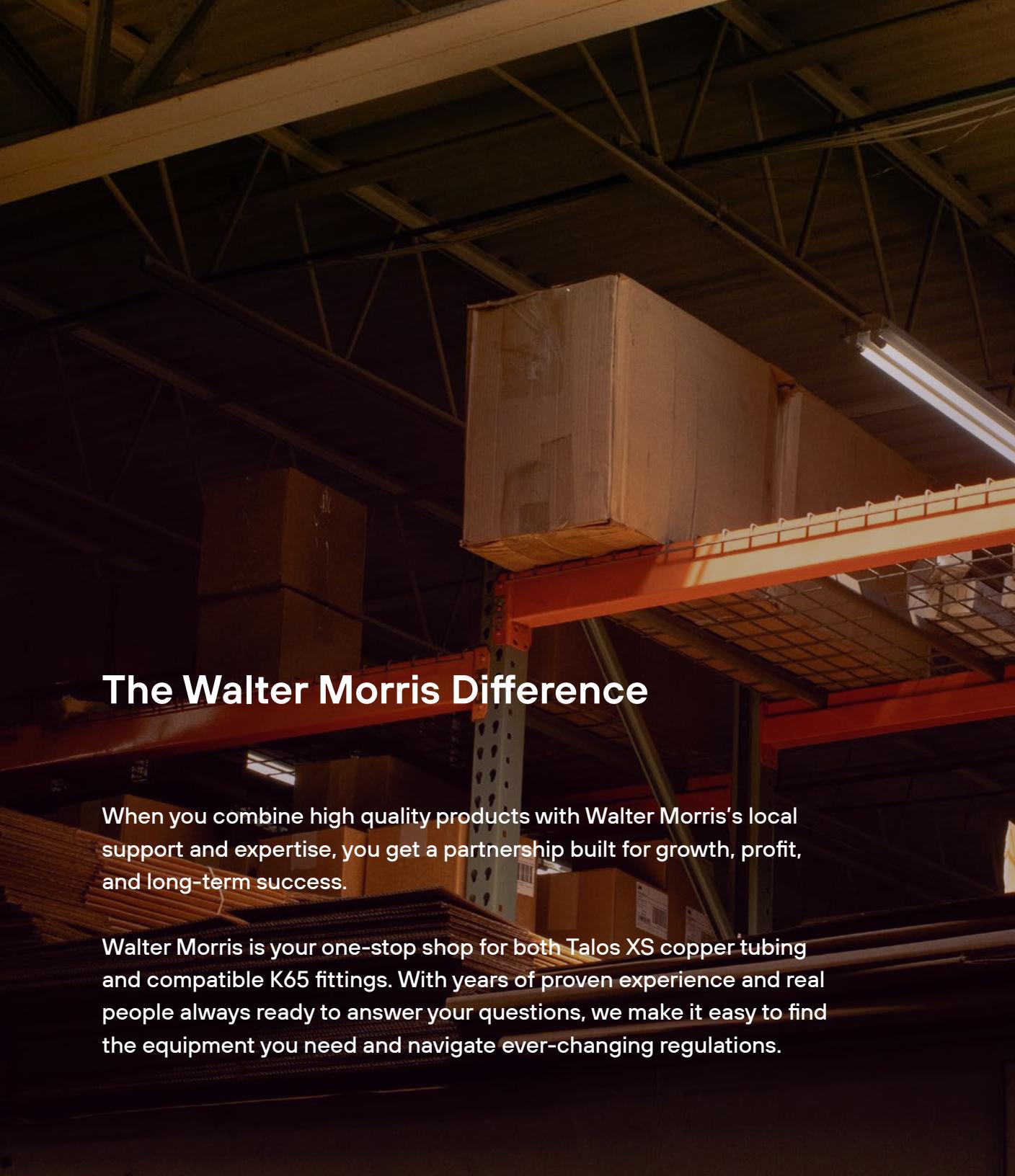
Conex | Bänninger

C E R T I F I C A T I O N S

UL Listing:

K65 fittings are UL 207 recognised and listed, refrigerant fitting report reference SA44668, approved use for field and factory installations.

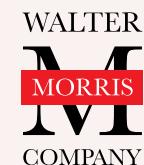




The Walter Morris Difference

When you combine high quality products with Walter Morris's local support and expertise, you get a partnership built for growth, profit, and long-term success.

Walter Morris is your one-stop shop for both Talos XS copper tubing and compatible K65 fittings. With years of proven experience and real people always ready to answer your questions, we make it easy to find the equipment you need and navigate ever-changing regulations.



THE MORRIS DIFFERENCE

Brand + Trust

Walter Morris has over 100 years serving New England's plumbing, heating, and mechanical pros. We are a committed partner for long-term growth.

People-First Mentality

Family-owned for over a century, Walter Morris values our people's safety, happiness, and growth.

Innovation + Technology

Local product expertise and guidance on system selection from real, passionate people.

DETAILS

Materials:

EN CuFe2P CW107C, UNS C19400

Guarantee:

When professionally installed, used and maintained in accordance with K65 installation instructions, Conex Universal Ltd. guarantees that K65 fittings supplied by Conex Universal Ltd. will be free of material defects resulting from errors in manufacture, for 25 years from the date of first purchase by an end user. See ConexBanninger.com to learn more.

The K65 alloy provides a mechanical strength high enough to withstand the pressure ratings required for CO₂ refrigerant systems.

Benefits

- Readily identifiable due to its slightly magnetic property and K65 and 130 bar markings.
- Covered by a twenty five year guarantee when professionally installed
- Wide range of fitting sizes
- Excellent processing properties that are similar to those of copper
- Immune to stress corrosion cracking and exhibits a high resistance to natural atmospheric corrosion.
- Maintains earth continuity without the need for additional earth continuity straps.
- Lower weight of tubes results in a product that is easier to handle
- High mechanical strength enables tube and fittings to be made lower in weight when compared with traditional thick walled copper or stainless steel. Supported by traditional brazed jointing, this leads to lower installed cost and improved handling.
- Conex Bänninger is an ISO 9001 quality assured company



Custom-Built Secure Transport

Walter Morris always goes the extra mile. With our custom-built wooden casket transportation system, copper tubes are less likely to be damaged in transit.

Raised up by wooden planks on either side of the casket, forklifts are able to achieve easier, faster picking with higher efficiency.



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TUBING SIZES

ELV-19201
3/8 in. • In Stock

ELV-19221
1/2 in. • In Stock

ELV-19240
5/8 in. • In Stock

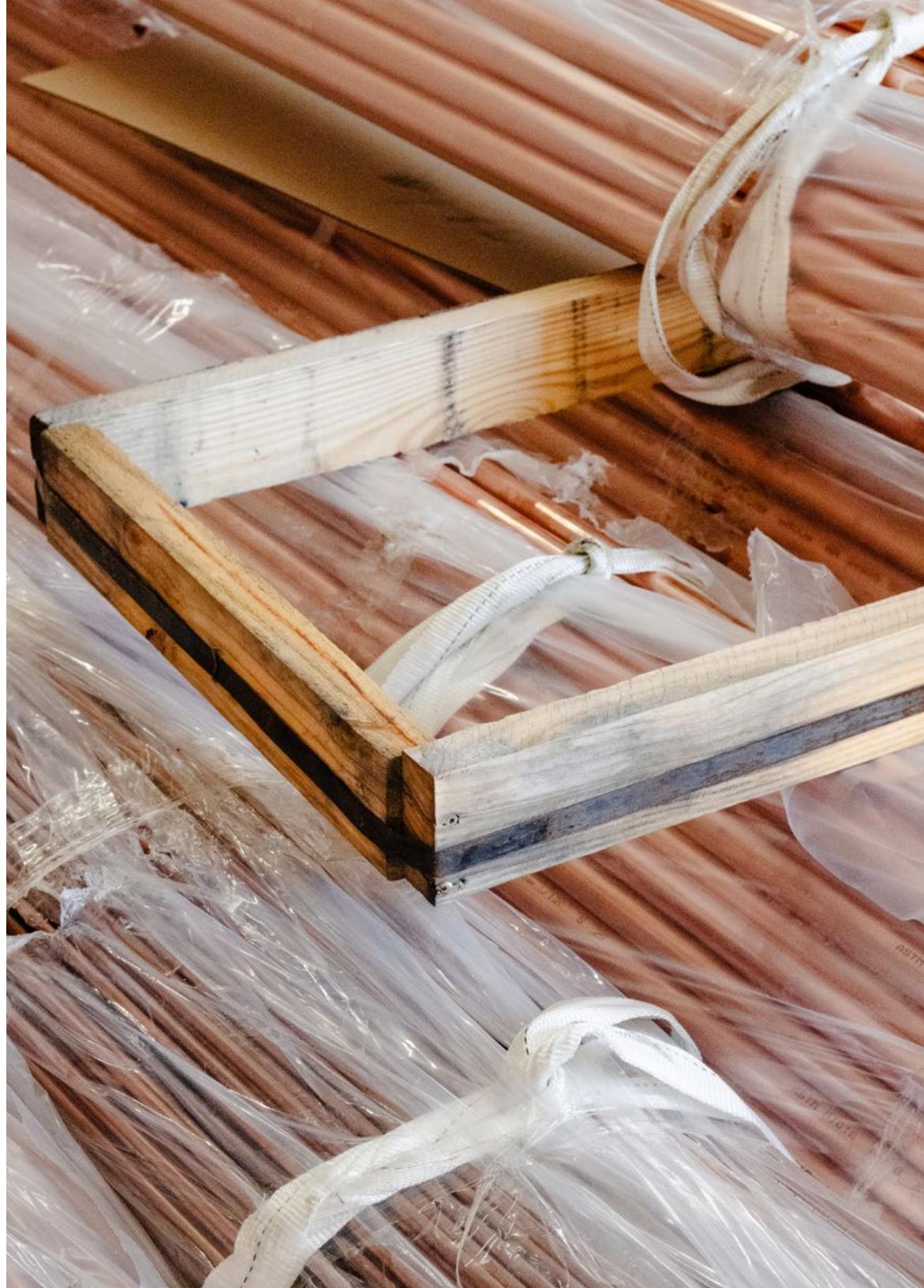
ELV-19260
3/4 in. • In Stock

ELV-19280
7/8 in. • In Stock

ELV-19300
1 1/8 in. • In Stock

ELV-19320
1 3/8 in. • In Stock

ELV-19340
1 5/8 in. • In Stock



About the Walter Morris Company

We're not just a manufacturer's rep—we're an extension of your team. At Walter Morris, exceptional products deserve exceptional representation. We deliver what matters: responsive service, deep technical know-how, and results that move the needle.

Family-owned for over 100 years, we've built our reputation in New England's industrial market one relationship at a time. We know manufacturing because we live it. From product training to market intelligence, we don't just represent your products—we champion your success. When you need representation that delivers,

Walter Morris gets it done.



Contact our Customer Service Team

Contact the Walter Morris Customer Service Team for details on availability, pricing, and delivery.

CALL 1 (800) 888 1922 TO INQUIRE

customerservice@morrismerchants.com