

# Strength, Agility and Innovative Ideas



The Strength to Deliver

## Atlas Tube Today

Atlas Tube was founded in 1984. Today we're known throughout North America for our capabilities in Hollow Structural Sections (HSS) – the quality and breadth of our product lines, our capacity, and our exceptional product and technical expertise. But we're also well known for our:

- Manufacturing efficiency—flexible manufacturing with “quick change” technology that provides the shortest cycle times in the industry.
- Efficient, customer-friendly e-commerce systems that offer real-time order and inventory status, and test report data.
- Proprietary products, like EPOXZKOTE® powder primed tubing, Eco-Pole™ galvanized steel distribution poles and pipe piling.

# produc

- Innovative ideas that take costs out of the process: time costs, labor costs, installation costs, shipping costs, administrative costs, manufacturing costs.

Atlas is a division of the JMC Steel Group, which gives us additional product lines, more value-added capabilities and greater production capacity.

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## Atlas Tube's Products

### Hollow Structural Sections (HSS)

Atlas produces in excess of 1.5 million tons of HSS a year, in four, state-of-the-art manufacturing facilities in the U.S. and Canada. Coupled with this large capacity is a surprising agility. Our flexible manufacturing concept uses "quick change" technology, an Atlas concept that enables us to switch product sizes

structural and design engineers, fabricators and contractors because of our in-house product and technical expertise. We have unsurpassed manufacturing capabilities. We produce:

- the broadest size range and product mix in the industry
- square tubing – 1" through 16" sq.
- rectangular tubing – 2" x 1" through 20" x 12"
- round tubing – 1.315" through 20"
- wall thicknesses – .065" through .688"
- mill cut lengths – 18 ft. – 105 ft.

epoxy powder coat primer. As a primer it's easy to weld, laser friendly, able to be bent and formed, and is available in a variety of colors. EPOXZKOTE is compatible with powders and all types of wet paints, and is produced in accordance with ASTM A500 standards.

### Product Availability

- Squares — 1.5" to 1.5" through 8" x 8"
- Rectangle — 2" x 1" through 10" x 6"
- Rounds — 1.5 NPS through 8 NPS
- Gauges — .0833 through .500

### The Cost/Weight Advantages Of HSS

HSS has a greater strength-to-weight ratio than wide flange structural steel shapes. Combine that with the excellent compression characteristics and exceptional torsional resistance of HSS and you need less steel to do the same job. **And, or course, less steel means less weight, which, in turn, equals less cost!**

EPOXZKOTE can help you save significant labor, time and money by replacing your variable shop costs with lower fixed costs.

- arrives clean and ready-to-use
- contains no embedded oils or lubricants to remove
- cleaning and prep is fast and easy
- weld spatter doesn't stick
- expensive, hazardous chemicals are eliminated
- warranty claims are reduced
- pretreatment isn't required
- rust removal is eliminated
- laser friendly
- no priming
- paint consumption is reduced

on our mills in under two hours — the shortest cycle times in the industry. The result: a high quality product, that's produced faster and delivered on time (including job custom lengths) to meet your tightest scheduling needs.

Using HSS can save you money in other ways – fabrication, surface preparation, painting/fireproofing, shipping, erection and maintenance costs.

### EPOXZKOTE Powder Primed Tubing

EPOXZKOTE Powder Primed Tubing is a revolutionary breakthrough in protective coating technology. EPOXZKOTE is a high performance, super tough, super-thin

**We're so sure EPOXZKOTE will save you money, we offer a free cost-savings analysis at your production location.**

**Support Columns, Beams, Trusses and Framing: We Speak Your Language.**

We're able to work closely with architects,



## WHY CHOOSE ATLAS?

- The broadest size range and product mix in the industry.
- Four production facilities with an annual capacity of over two million tons.
- Quick change technology that provides the shortest production cycle times in the industry.
- Highest Quality. All of our facilities are ISO 9001-2008 registered and maintain fully equipped, in-house testing laboratories.
- E-Commerce capabilities that use EDI and SAP electronic information systems to provide real-time order, inventory status and test report data.

# product

- A unique ability to take costs out of the system at every stage of the process.
- An ecological-friendly emphasis that focuses on recycling, solar energy and the elimination of harmful chemicals and solvents.

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## Atlas Tube's Products *(Continued)*

### Steel Pipe Piling

Atlas Tube's ASTM 252 straight seam steel pipe piles can be found used for friction or load bearing piles. Pipe piles may be filled with high strength concrete to add additional strength to the

foundation or underpinning application. Common applications include highways, bridges, buildings, marine, and piers. Full coil and product certification are available.

**Atlas Tube is one of the largest suppliers of pipe piling in North America.**  
**ASTM 252 (Steel Pipe Piling)**

Strength Levels	Grade 2	Grade 3
Yield Strength	35,000 PSI Min.	45,000 PSI Min.
Tensile Strength	60,000 PSI Min.	66,000 PSI Min.
Elongation % in 2" Min.	25	20

Size range – 1.900" O.D. to 20" O.D.

Wall thickness range - .125" - .625"

Lengths – 20' to 100' (custom lengths available)

### ECO-POLE™ Steel Distribution Poles

Atlas Tube's new galvanized steel distribution poles for utility applications have significant cost, strength and ecological advantages compared to wood and tapered steel poles.

#### Eco-Poles:

- will improve system reliability and reduces total cost of ownership.
- have no hazardous coatings or toxic chemicals and are 100% recyclable

- are developed in a "One-Piece" construction process and are available in lengths up to 55 feet. You can choose from:
  - high-strength, low-alloy galvanized steel, or
  - weathering steel
- non-tapered profile provides uniform strength along the entire length of the pole and provides easier and safer handling, transportation and storage
- are impervious to environmental factors such as rot, decay, brush fires and wildlife damage

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# *project*

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**HSS: Fabricator was Burnco and the owner is "PotashCorp Rocanville facility"**

**Product:** 5,500 tons of Atlas Tube's HSS

**Application:** construction of the framework and trusses for a huge potash facility.

**Benefits/Advantages:** HSS has fewer surfaces for potash to collect on, making cleaning easier. HSS also has fewer surfaces on which to apply a corrosion resistant coating. Saved time *and* money before, during and after installation.



**HSS: Apollo/Saturn Visitor Center, Cape Canaveral, FL**

**Product:** 670 tons of HSS consisting of 12" round X .375" wall and 6" round X .280" wall.

**Application:** Space framed truss-and-column structure

**Benefits/Advantages:** Architecturally pleasing and more cost effective while still being able to withstand 120 mph wind loads due to hurricanes.



**Eco-Pole: E.L.K. Energy**

**Product:** Eco-Pole Steel Distribution Poles

**Application:** Test Installation of 39, 45-ft class 3 poles by E.L.K. Energy, an electric utility in Essex, Ont.

**Benefits/Advantages**

Eco-Pole "has huge benefits with a small cost differential"

- 50-year life cycle (25 for wooden poles)
- straight uniform shape, lighter weight, use of one-size bolt made Eco-Pole easier to transport, prepare and install
- able to recycle (wooden and concrete poles have to be disposed)

# profiles

**HSS: Livestrong Sporting Park**

**Product:** 1,300 tons of HSS — 14" sq. x .625 and .500; 14" x 6" x .625, .500, .375 and .3125.

**Application:** Canopy structure to cover the stands

**Benefits/Advantages:** Aesthetics and strength.

HSS provided the strength required to support the canopy without obstructing the fans' view of the field.

**Steel Pipe Piling: Police Academy (New York City, NY)**

**Product:** 5,812 Tons – 44,000 ft. of 14" OD .500" and 102,000 ft of 16" OD .500"

**Application:** Pipe piling building support

**Benefits/Advantages:** NYC Codes called for the use of steel pile piling because of the size of the project, weight of the building and soil conditions.

**EPOX Z KOTE: RX-10 Lift Racks**

**Product:** 2" x 6" x .250" wall rectangular HSS

**Application:** Sissor support legs for lift rack runways

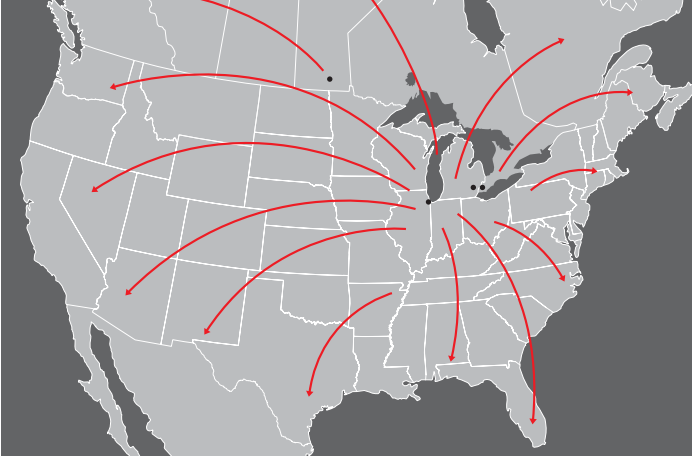
**Benefits/Advantages:** Provides a rust free surface for powder coating without the added cost of shot blasting





# *facilities*

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## Facilities and Capabilities

Atlas has five state-of-the-art manufacturing plants in the U.S. and Canada.

### Locations

- Harrow, Ont.
- Blytheville, AR
- Winnipeg, MB
- Chicago, IL
- Plymouth, MI

Our regular rolling cycles produce 57 different rectangles 22 different squares and 33 different rounds in gauges ranging .083" to .688".

### Manufacturing Services

Atlas developed the "quick change" mill concept in 1994, revolutionizing the way products were scheduled, produced and delivered. Customers were able to place orders on a two-week cycle, keep their inventories at a minimum level and order custom lengths at no additional cost.

Today we're able to change sizes on our mills in less than two hours — the shortest cycle times in the industry. Our advanced manufacturing technology enables us to handle your emergency needs — producing exact quantities, cutting them to the required lengths and bundling the order to your specifications for on time delivery.

Our traveling mill cutoff equipment produces virtually burr-free ends, reducing or eliminating your preparation time. Just one more cost-saving benefit.

We also offer a wide variety of value-added services, including:

### Value-Added Services

- I.D. Flash Removal
- Specialty Steel Chemistries
  - copper bearing
  - high strength, low alloy (HSLA)
  - weathering steels (A847)
  - ROPS grades
  - CSA G40.21
- Pickling and Oiling
- Galvanizing
- Custom Fabrication
  - bandsaw and lathe cutting
  - welding
  - punching
  - sizing
  - bending
  - slotting
  - beveling
- Custom Cutting
- Thermal Stress Relief

# Atlas





## Quality and Customer Service

Our Mission Statement is all about customer service — to... "satisfy customer needs in the quickest, most cost effective manner." That statement drives our manufacturing philosophy, e-commerce programs and employee training. We have the size and strength to deliver for you. But we also have the flexibility and agility to deliver quickly. Quality products. When you want them...when you need them.

### Quality

Atlas Tube is ISO 9001:2008 registered at each of its facilities. We also have a full time Metallurgist on our technical staff.

We monitor every step of our production processes from the receiving of the raw material coils to the finished product. Product testing is carried out to ensure that Atlas products meet or exceed the

exact requirements of customer specifications or industry standards, including ASTM A500 and CSA G40.21. Test report data is available instantaneously for our customers via EDI, FTP and internet access.

We have a full metal lab at each facility where we perform the following tests:

- Tensile testing capabilities
- Spectrographic analysis of the tube
- Metallographic analysis
- Charpy testing

### VMI Program

Our Vendor Managed Inventory (VMI) program adjusts daily to information from our distributor customers. The results: improved inventory turnover and on-time delivery. Lead times are reduced from 4-6 weeks to 2-3 days and having the proper inventory levels can help you increase your sales.

### E-Commerce

Our EDI electronic information systems save you time and improve your ordering and scheduling accuracy. We can provide the following information electronically to customers who can take advantage of this capability:

- Electronic Purchase Orders
- Order receipt confirmation
- Advanced Shipping Notice (ASN)
- Material Test Reports (MTR)
- Electronic invoices

### Customer Service Portal

Our customer service portal can be found at our website ([www.atlastube.com](http://www.atlastube.com)). We provide the following capabilities for our customers:

- View available stock
- View rollings
- Enter orders
- View order status
- Release material for delivery
- Review past deliveries
- View Material Test Reports (MTR)

## Atlas: From Recycled Content to Rooftop Solar Power

Atlas Tube is actively involved in protecting our environment. Steel is the most recycled material in the world and we use a percentage of recycled steel to produce our products.

Our EPOXZKOTE® powder primed tubing has eliminated the use of thousands of gallons of hazardous solvents and chemicals.

We're partnering with OYA solar to install the largest rooftop solar energy project in North America at our Harrow, Ontario facility. The 650,000 square-foot project will generate 30% of our Harrow plant's energy requirements.

### Atlas's Affiliations

- Steel Tube Institute of North America
- North American Steel Alliance
- Metals Service Center Institute
- National Association of Steel Pipe Distributors

- CIDECT
- CPTI
- AISC
- CISC/ICCA
- SEIA

- AISI Steel Pole Task Force
- Deep Foundations Institute (DFI)
- Pile Drivers Contractors Association (PDCA)







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## The Strength to Deliver

JMC Steel Group prides itself on having the knowledge and experience to deliver your steel pipe and tube solutions.

Since the founding of the company in 1877, when John Maneely first began selling pipe, valves and fittings in Philadelphia, our products — Hollow Structural Sections (HSS), pipe, tube, electrical conduit — have been used in some of the best known structures in North America, because our pipe and tube solutions deliver superior quality and value that have earned the trust of customers who demand the very best. JMC Steel Group has the knowledge, experience and credentials — qualities that we have earned and that have made us successful in the marketplace — to be there for you.

Today, we are the largest independent pipe and tube manufacturer in North America, producing 2 million tons of pipe and tube annually in our 11 manufacturing plants.

We are one company, with one goal: to deliver the pipe and tube solutions that contribute to our customers' success.

For more information contact Atlas Tube at 800-733-5683,  
email: sales@atlastube.com or visit our website at www.atlastube.com.