




Mechanical Tubing

Wheatland Tube — A History of Quality

Wheatland Tube has more than 100 years of experience making steel tube and pipe, and is a division of the largest independent tube manufacturer in North America — Zekelman Industries. At Wheatland, we use the latest technology to produce superior-quality galvanized and bare mechanical tubing available in a broad range of sizes, gauges and lengths.

AVAILABLE SIZES

ROUNDS
0.706"-5.000" 

SQUARES
0.750"-4.000" 

RECTANGLES
0.750" x 1.500"-
2.000" x 6.000" 

OCTAGONS
4.783" 



The Highest Quality Standards

Our in-line galvanized mechanical tubing is manufactured in accordance with ASTM A500 specifications, and is offered flash-in or flash-controlled in a variety of galvanized finish options. Our galvanized products also comply with A1057 and A787 coating specifications. Wheatland's manufacturing facilities are registered to ISO 9001:2008.

From start to finish, Wheatland's galvanized mechanical tubing is tested and inspected every step of the way — physical properties, steel chemistries, weld integrity, coating quality and dimensional specifications, as well as length, twist and straightness tolerances. Furthermore, Wheatland regularly performs destructive testing and fabrication simulations to ensure the best quality in the industry.

Exceptional Customer Service

Wheatland is widely known for its superior customer service and knowledgeable, experienced inside- and outside-sales teams. Additionally, extensive engineering and technical support are available, allowing us to respond to your needs quickly and effectively.

Zekelman Industries

As part of Zekelman Industries, the largest independent pipe and tube manufacturer in North America, you can count on Wheatland for **strength, innovation and service** — bringing exceptional value to your business.

For more information, call **800.733.5608** or visit **wheatland.com**



Wheatland Mechanical Tube

The Perfect Fit

Every project is different, and Wheatland makes the right tube for every project. Our mechanical tube provides excellent structural integrity. It's easy to fabricate, powder coat and weld so you save on fabrication, installation and labor costs. We offer custom lengths to match your specific needs and can provide value-added fabrication services.

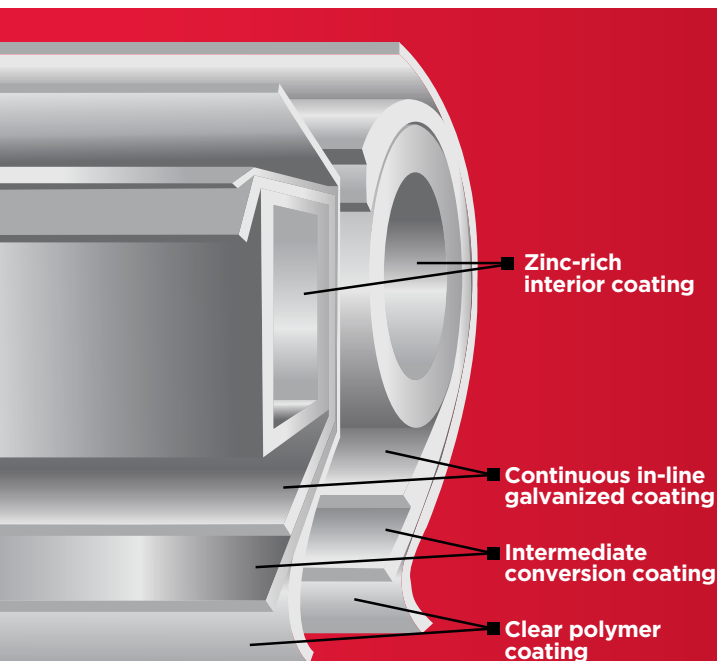
The precision, toughness and long-lasting protection of Wheatland's galvanized mechanical tubing make it ideal for uses that demand superior surface finish and precise dimensions.

Applications ideal for utilizing in-line galvanized tubing include:

- Solar racking
- Agricultural and dairy products
- Greenhouses
- Playgrounds and recreation
- Conveyors
- Carports and metal buildings
- Fabric structures
- Trailers
- And more

Wheatland Galvanization — Advanced Coatings Technology

Our in-line galvanizing process offers superior flexibility and quality when compared to product made from pre-galvanized coil or post-hot-dipped galvanized tube. In-line galvanizing produces a bright, virtually lead-free coating that is exceptionally durable and can stand up to the most severe fabrication processes — all without flaking or chipping.



Triple-layer Protection

Our triple-coat process starts with a high-grade 99.99% pure zinc coating. A conversion coating is then applied to reduce white rust, followed by a polymer top coat that seals the surface and provides a synergistic effect to the corrosion protection well beyond the zinc coating alone. This process protects the zinc that is covering the steel tube — resulting in significantly increased service life.

Our polymer third coat not only protects the underlying zinc; it also accepts most other top coats, which means your tubing comes pre-primed for additional surface coatings that you may wish to add. Whether painting or powder coating, your tube is ready to process with only minimal surface preparation.

The Wheatland Difference

Wheatland's tube and in-line galvanizing process stand up to the competition:

Durability and strength — Our mechanical tube can provide a minimum 50 ksi yield and 55 ksi tensile in order to meet your toughest design challenges. Wheatland can also provide even higher-strength tubing, if needed.

Reduced weight — Because our tube is stronger, thinner wall thicknesses can be used, resulting in a lighter-weight tube. We stock a wide range of wall thicknesses combined with powerful yield and tensile properties, steel grades and processes to deliver a heavy-duty tube that is still lightweight.

Corrosion protection — Our tubing is 100% coated inside and outside after welding to eliminate any raw steel areas or the appearance of a weld repair stripe on the OD.

Weld — We create tube that is easy for us to weld in the factory and easy for you on the site. That's because the 99.99% zinc, highly uniform coating gives you a faster, more dependable weld, typically without needing to remove the coating.

Cost efficiencies — By eliminating additional secondary galvanizing as well as added freight, handling and labor, you can achieve quicker turnaround and fewer SKUs — and deal with fewer vendors in your supply chain. And Wheatland's higher strength means you can often achieve lighter wall thicknesses, so more tubing can fit on a truck, reducing deliveries and associated costs.

Tough Protection for Demanding Applications

When you have a more demanding application that requires extra protection, specify Wheatland's SURcoat or ThunderCoat™ mechanical tubing. Both offer triple-layer protection against corrosion, while engineered to be easy to fabricate, liquid paint or powder coat.

SURcoat

When aesthetics and surface condition are important, SURcoat is the product of choice. Wheatland's SURcoat process is ideal for indoor applications — or whenever you're liquid painting or powder coating for a smooth, consistent coating.

ThunderCoat

When you need a tube that can withstand the elements on its own, ThunderCoat is your best choice. We apply a heavier zinc coating in-line to prepare the tube for outdoor applications or any environment that experiences high humidity. Even with a heavier coating, ThunderCoat withstands the rigors of your fabrication processes.



Tested to Perform

We are committed to delivering only the best products. That's why every Wheatland product is subjected to rigorous testing before it leaves the factory.

The salt spray performance test subjects each length of tube to an atomized solution of 5% sodium chloride. Our zinc coating is specifically designed to resist this type of punishment while protecting the underlying steel. If the tube does not meet the test standards at the completion of the process, we won't ship it.

MECHANICAL TUBING CAPABILITY CHART

ROUNDS

GAUGE & NOMINAL WALL THICKNESS

OD	EQUIVALENT SIZES	20 0.035	19 0.042	18 0.049	17 0.058	16 0.065	15 0.072	14 0.083	13 0.095	12 0.109	11 0.120	10 0.134	9 0.148	8 0.165	7 0.180	6 0.203	5 0.220
0.706	½" EMT																
0.750																	
0.815	½" IMC																
0.875																	
0.922	¾" EMT																
0.995																	
1.000																	
1.029																	
1.050	¾" NPS																
1.125																	
1.163	1" EMT																
1.250																	
1.290	1" IMC																
1.315	1" NPS																
1.375																	
1.500																	
1.510	1¼" EMT																
1.625																	
1.638	1¼" IMC																
1.660	1¼" NPS																
1.690																	
1.740	1½" EMT																
1.875																	
1.883	1½" IMC																
1.900	1½" NPS																
2.000																	
2.197	2" EMT																
2.250																	
2.360	2" IMC																
2.375	2" NPS																
2.500																	
2.857	2½" IMC																
2.875	2½" NPS																
3.000																	
3.476	3" IMC																
3.500	3" NPS																
3.971	3½" IMC																
4.000	3½" NPS																
4.466	4" IMC																
4.500	4" NPS																
5.000	4½" NPS																

SQUARES

GAUGE AND NOMINAL WALL THICKNESS

OD	20 0.035	19 0.042	18 0.049	17 0.058	16 0.065	15 0.072	14 0.083	13 0.095	12 0.109	11 0.120	10 0.134	9 0.148	8 0.165	7 0.180	6 0.203	5 0.220
0.750																
0.813																
0.875																
1.000																
1.250																
1.500																
1.750																
2.000																
2.250																
2.500																
3.000																
4.000																

RECTANGLES

GAUGE AND NOMINAL WALL THICKNESS

OD	20 0.035	19 0.042	18 0.049	17 0.058	16 0.065	15 0.072	14 0.083	13 0.095	12 0.109	11 0.120	10 0.134	9 0.148	8 0.165	7 0.180	6 0.203	5 0.220
0.750 x 1.500																
0.750 x 2.250																
1.000 x 2.000																
1.000 x 3.000																
1.500 x 2.000																
1.500 x 2.500																
1.500 x 3.000																
1.500 x 3.500																
1.750 x 2.750																
2.000 x 3.000																
2.000 x 4.000																
2.000 x 6.000																

OCTAGONS **NEW!**

GAUGE AND NOMINAL WALL THICKNESS

OD*	20 0.035	19 0.042	18 0.049	17 0.058	16 0.065	15 0.072	14 0.083	13 0.095	12 0.109	11 0.120	10 0.134	9 0.148	8 0.165	7 0.180	6 0.203	5 0.220
4.783																

*OD for octagon product is measured across the flats.

Octagons available in 66"-480" lengths. Secondary cutting is available for lengths shorter than 66" or for special length tolerances.

Indicates product capability

All tubular products are produced in accordance with ASTM A500. In-line galvanized coatings produced in accordance with ASTM 1057.



Wheatland *Tube*
A DIVISION OF ZEKELMAN INDUSTRIES

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About Wheatland Tube Mechanical Tubing

Wheatland Tube produces a wide size range of mechanical tubing, ideal for flattened, flared or machined parts, and for uses that require superior surface finish and precise dimensions.

For more information, contact Wheatland Tube at:

800.733.5608 or **info@wheatland.com**

Or, visit our website at **wheatland.com**

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