



## LSW ROD

### Overview

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Quality products begin with quality steel. Liberty Steel & Wire (LSW) produces the finest American-made steel possible by monitoring every step of the production process. Furthermore, our capabilities enable us to process the steel to match the most stringent customer specifications. In fact, our internal standards routinely exceed AISI and ASTM standards. LSW's ability to control the process from beginning to end provides a high degree of predictability and consistent quality.

### Capabilities

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LSW has made continual capital advancements to our melt shop. A multi-million dollar investment to our rod and wire mills now enables us to produce some of the most exacting high carbon and CHQ grade steel and wire products.

LSW's Rod Mill uses the most advanced technology for high-speed rolling and controlled cooling. The facility features a Morgan® No-Twist Finishing Mill for consistent rod quality. Retarded cooling provides system flexibility to meet a variety of end product specifications. And, rods are available for mechanical descaling or chemical cleaning.

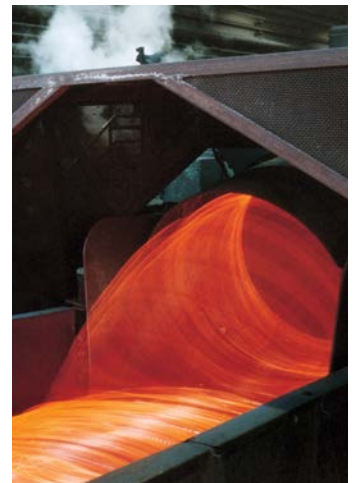
Significant features and benefits of our Rod Mill include:

- ISO 9001-2000 certified
- Available Coatings: Borax and Lime
- Manufactured with applicable AISI and SATM standards
- Coil Dimensions / Weight: Approximately 48" x 48" / 4,150 lbs.
- Chemical Capabilities: 1005 – 1083 Nonresulfurized Carbon Steel
- Shipments available via truck, rail and barge

### Applications

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LSW rod products are used for industrial wire, nails, welded wire reinforcement and fabricated wire. We produce low carbon steel wire rod, with a carbon content of up to 0.39%. This is suitable for a variety of applications where ease of forming is a consideration. While low carbon steel is malleable, high tensile steel has a carbon content of up to 0.65%, making it much more rigid. Our high carbon steel is used to produce high tensile wire, as well as for manufacturing products like furniture and bedding springs.





**LIBERTY**  
STEEL & WIRE

## Customer Care

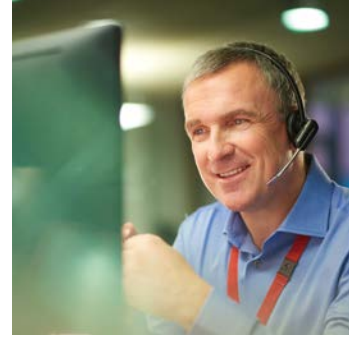
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The LSW quality assurance process starts long before the first ton of scrap is melted for your order. It begins with us listening to you, the customer. We want to learn exactly what you need for optimum steel performance. For example, LSW has over 20 steel grades that are classified as 1008 steel. Our production flexibility produces grades of steel customized to individual customer needs. At LSW, we create every pound of steel to meet your expectations and match your specific applications.

## Contact Us

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For additional information about Liberty Steel & Wire or to request a quote, call us at 309.697.7607.





## Rod Chart

Steel Rod — Diameter Ranges			
7/32" (.219")	15/64" (.234")	1/4" (.250")	17/64" (.266")
9/32" (.281")	19/64" (.297")	5/16" (.313")	11/32" (.344")
3/8" (.375")	25/64" (.390")	13/32" (.406")	27/64" (.422")
7/16" (.438")	1/2" (.500")	33/64" (.515")	17/32" (.531")
9/16" (.563")	19/32" (.594")	5/8" (.625")	41/64" (.640")
11/16" (.687")	3/4" (.750")		

\*Rolled per schedule. Rolling schedule available upon request.

**ISO 9001:2000** certified  
Produced in accordance  
with applicable ASTM  
standards.

**Chemical Capabilities**

1005 - 1080 Nonresulfurized Carbon Steel

**Available Coatings**

Borax and Lime Coatings

**Coil Dimensions / Weight**

Approximately 48" x 48" / 4,150 lbs.

Shipments available via truck, rail and barge