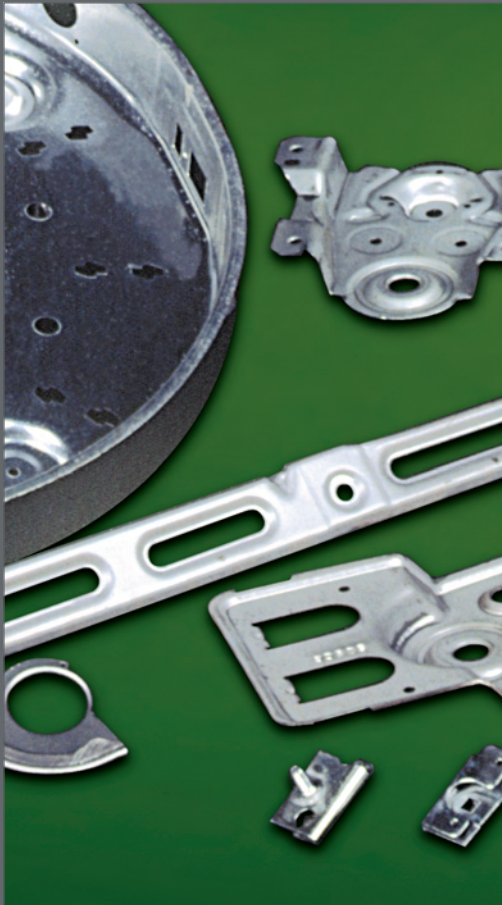


# Specialty Flat Rolled Steel

# Flat Rolled Steel



ISO 9001:2000

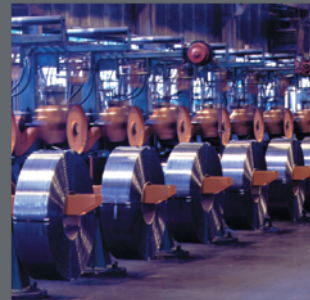


## Slitting

As a world class, value-added supplier of Specialty Steel, we are fully equipped to supply close tolerance, precision slit steel coil in a variety of types and grades. With a maximum coil capacity of 72" coil and the ability to produce oscillate wound coil, we can provide steel to the widths, tolerances, and grades you require.

## Slit to Width Steels

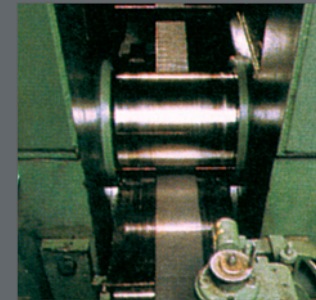
- Cold Rolled Steel
- Hot Rolled Pickled and Oiled
- High Carbon
- HSLA
- Coated Steel
- Stainless Steel



## Oscillate Coil

Thompson Dayton Steel Service offers oscillate wound, sheet and strip steels for uninterrupted coil runs eight to ten times longer than ribbon wound coils. Ask us about oscillate coil today.

- Reduce Costs
- Fewer Interruptions for Coil Changes
- Longer Continuous Operations
- Capabilities
  - .010" to .145"
  - Slit or Deburred Edge (#5)
  - Widths: .375" – 2.0"
  - Welds Annealed
- Cold Rolled Strip and Sheet
- Coated Steel
- Hot Rolled, Pickled and Oiled



## Cold Rolled Steel

Our precision cold rolling mill provides the ability to produce precision gauge correction and leveling. Thompson Dayton is capable of producing cold rolled and cold rolled one pass up to a maximum width of 12" in thicknesses ranging from .060" to .300".

## Steels Available Cold Rolled

- Cold Rolled Steel
- Cold Rolled One Pass Steel
- Hot Rolled Pickled and Oiled



## Large Inventories

Working very closely with your personnel, we are constantly aware of your critical need to maintain tight control over inventory. By determining future needs, we can anticipate all your requests for special delivery, Just-In-Time (JIT), and normally scheduled deliveries.

- Cold Rolled Steel
- Cold Rolled One Pass Steel
- Hot Rolled Pickled and Oiled Steel (Carbon/HSLA)
- High Carbon Steel
- Hot Dipped Galvanized
- Galvannealed Steel
- Electro Galvanized
- Aluminized
- Stainless Steel

# Dayton, OH

**THOMPSON**  
**T DAYTON**  
STEEL SERVICE

# Steels Available from Thompson Dayton Steel Service Dayton, Ohio

## Cold Rolled

Produced to meet specific customer applications with better formability, finishes, and tolerances than Hot Rolled. Available from .015" to .127" thick.

## Cold Rolled One Pass

Produced by rolling steel to tighter gauge tolerances. This method ensures a uniform thickness for each slit coil.

## Hot Rolled Pickled and Oiled (Carbon/HSLA)

Produced directly off the hot strip mill, this steel is pickled and can be temper rolled. Not as smooth as Cold Rolled, with tolerances not as tight, it is available from .044" to .250" thick.

## Hot Dipped Galvanized and Galvanealed

A sheet coil product with a zinc coating applied by a continuous hot dip process, these products are available with pure zinc (galvanized), or a zinc-iron alloy (galvanealed) coating. They provide both galvanic and a barrier coating, and are available in a variety of coating weights and surface finishes.

## Electro Galvanized

Available as sheet coil, this product is coated with electrolytically deposited zinc or zinc-nickel coating. Available in a variety of coating weights depending on the protection desired, it is generally more acceptable for critically exposed applications than Hot Dipped.

## Aluminized

Available as sheet coil, this steel is coated with an aluminum or aluminum-silicon alloy coating. The coating combats the destructive effects of exposure to combinations of heat and corrosion. Available in various grades to accommodate specific applications.

## High Carbon, Cold Rolled Steel

Available as sheet coil, this product is over .25% carbon and available in a wide range of chemistries (please call). Modified grades of high carbon chemistries are available, however may be subject to heat lot quantity minimums.

## Stainless Steel

This product is produced to meet a wide variety of customer specific applications. It is available in all standard industrial, aircraft, and military grades.

# Equipment Specifications

## 60" Slitter

	Maximum	Minimum
Coil Width	60"	1.25"
Coil Weight	25 Tons	N/A
Coil OD	72"	36"
Coil ID	24"	20"
Material Thickness	.357"	.020"

*Special Features: Continuous Electronic Gauging With Digital Read out Charts, Three Slitter Heads With Shimless Tooling*

## 48" Slitter

Coil Width	48"	.750"
Coil Weight	15 Tons	N/A
Coil OD	72"	36"
Coil ID	20"	20"
Material Thickness	.250"	.020"

*Special Features: Continuous Electronic Gauging With Digital Read out Charts*

## Oscillating Slitter

Product Width	2.0"	.375"
Material Thickness	.145"	.010"
Welds Annealed		
Edge: Slit or Deburred (#5)		

## Cold Rolling Mill

Width	12"	
Gauge	.300"	.060"
Tolerance Guarantee	N/A	±.0015"

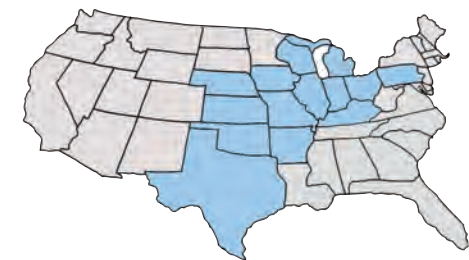
*Special Features: Continuous Electronic Gauging With Digital Read out Charts*

# Service

Thompson Dayton Steel Service is committed to providing expert service throughout the Central United States with service as far west as Texas, moving northeast to Pennsylvania. We deliver using our own trucks and committed carriers for fastest delivery. Call us for all your Flat Rolled Steel needs or visit us on the web. Tel. 937-236-6940, [www.thompsondayton.com](http://www.thompsondayton.com).

# Commonly Used Metric Conversions

	To Convert From	To	Multiply By
<b>Length</b>	inches (in)	millimeters (mm)	25.4
	foot (ft)	meter (m)	0.3048
<b>Weight</b>	ounces (oz)	gram (g)	28.3495
	pound (lb)	gram (g)	453.592
	pound (lb)	kilogram (kg)	0.4536
	ton	metric ton	0.9072
	metric ton	kilogram (kg)	1000
	metric ton	pound (lb)	2204.62
<b>Coating Weight</b>	ounce/square foot (oz./ft <sup>2</sup> )	grams/square meter (g/m <sup>2</sup> )	305.15
<b>Density</b>	pound/cubic inch (lb/in <sup>3</sup> )	grams/cubic centimeter (g/cm <sup>3</sup> )	27.68
<b>Strength</b>	pound/square inch (psi)	ksi (1000 psi)	0.001
	kilograms/square inch (kg/in <sup>2</sup> )	megapascal (Mpa)	6.895
	pound/square inch (psi)	megapascal (Mpa)	0.00689
	newton/square millimeter (n/mm <sup>2</sup> )	megapascal (Mpa)	1
	pound/square inch (psi)	newton/square millimeter (n/mm <sup>2</sup> )	0.00689
	kilograms/square inch (kg/in <sup>2</sup> )	newton/square millimeter (n/mm <sup>2</sup> )	6.895
kilograms/square inch (kg/in <sup>2</sup> )	kilogram/square millimeter (kg/mm <sup>2</sup> )	0.704	



# THOMPSON DAYTON STEEL SERVICE

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