

Flat Rolled Steel

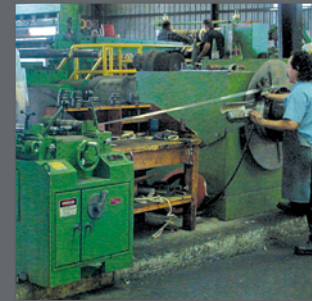
Carbon Steel



Slitting



Shearing

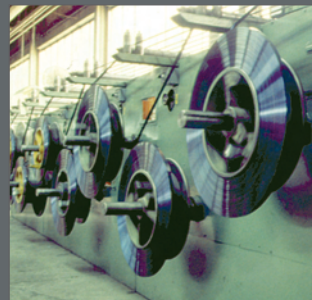


**Roller Leveling
& Edge Rolling**



**Minority Owned Supplier of
Carbon & Stainless Steel**

If you purchase Flat Rolled Steel and you require "Minority Content", Optimal Steel Service, LLC is a minority owned steel supplier dedicated to providing you the highest quality steels available today. We provide virtually any type and grade of flat rolled steel you could need and we can provide it in a timely manner to meet your strict delivery schedules. In addition, we can slit, shear, level, harden and temper, edge, polish, and multi-blank to meet your requirements. Call today: 818.765.0522 or Fax: 818.764.1491.



Hardening & Tempering



Oscillate Winding

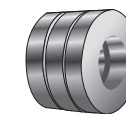


Polishing



Multi-blanking

Stainless Steel



**OPTIMAL STEEL
SERVICE, LLC**

Stainless Steel Specifications

TYPE	AMS	ASTM	ASME
301 ANN	5901	A-666	SA-240
QH	5517	A-666	SA-240
HH	5518	A-666	SA-240
FH	5519	A-666	SA-240
302	5516	A-666	SA-240
304	5513	A-666 A240	SA-240
304L	5511	A-666 A240-61T	SA-240
305	5514	A240-61T	SA-240
309			SA-240
309S	5523	A240	SA-240
310	5521		SA-240
310S		A240	SA-240
316	5524	A-666 A240	SA-240
316L	5507	A-666 A240	SA-240
317		A240	SA-240
317L		A240	SA-240
321	5510	A240	SA-240
347	5512	A240	SA-240
409		A240	SA-240
410	5504	A240	SA-240
410S		A240	
430	5503	A240	SA-240
17-4PH	5604		
17-7PH	5528 5529		
PH15-7MO	5520		
15-5PH (BMS-7-240)			

Carbon Steels

Thickness Range .010 to .125

Restricted thickness tolerances are available.

Carbon Chemistries:

Virtually all carbon chemistries are available. Please call.

Temper (Hardnesses):

#1 Full Hard, #2 Half Hard, #3 Quarter Hard, #4 Skin Passed, #5 Soft, Spheroidized Annealed, Hard Rolled, and Custom Temper.

Alloy Cold Rolled Strip Steels

Thickness Range .010 to .125

Restricted thickness tolerances are available.







Alloy Chemistries:

Special saw alloys for bars and chain parts. Electric furnace, aircraft quality and bearing quality can be specified. Modified grade alloy chemistries are available. Modified and special quality grades may be subject to "heat lot".

Temper (Hardnesses):

Spheroidized Annealed, Hard Rolled and Custom Temper.

Edges Available

-  **#1 Edge** - Perfect round or square edge, highest degree of accuracy.
-  **#2 Edge** - The natural hot roll edge.
-  **#3 Edge** - The natural edge produced by slitting (slit edge with burr).
-  **#4 Edge** - Approximate round edge produced by edge rolling; less accurate than #1 edge.
-  **#5 Edge** - Deburred slit edge.
-  **#6 Edge** - Square edge produced by edge rolling.
- Skived Edge** - Special mechanically shaped edges to conform with customer's finished product.

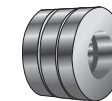
Standard Tolerances (in)

THICKNESS	WIDTH	LENGTH	FLATNESS TOLERANCES	
			STRETCHER LEVELED	ROLLED LEVELED
Annealed - Not Including Dead Soft				
<3/16	24 - 48	96	.125	-
<3/16	24 - 48	>96	.250	-
.062	24 - 48	Any	N/A	.5
<.062	>36	Any	N/A	.75
Tempered - 2xx and 3xx Series				
			1/4 Hard	1/2 Hard
>.030	36 - 48	Any	1.00	1.125
.016 - .030	36 - 48	Any	.750	1.125
<.016	36 - 48	Any	.625	1.000
>.030	24 - 36	Any	.750	.875
.016 - .030	24 - 36	Any	.625	.875
<.016	24 - 36	Any	.500	.750

Flatness Tolerance: Maximum deviation from a horizontal flat surface. Tension Leveler flatness tolerances available upon request.

Service

Optimal Steel Service, LLC provides service and product throughout the United States to those seeking minority content to fulfill regulated contracts.



OPTIMAL STEEL SERVICE, LLC

An Affiliate of Thompson Dayton Steel Service

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www.thompsondayton.com