



## GUIDE TO SELECTION Stainless Steels

### **HARDENABLE CHROMIUM STEELS (Martensitic and Magnetic) - AISI 400 Series**

These steels respond to heat treatment in a manner similar to most lower alloy steels and, by suitable thermal treatment, develop a wide range of mechanical properties.

### **NON-HARDENABLE CHROMIUM STEEL (Ferritic and Magnetic) - AISI 400 Series**

These types are essentially non-hardenable by heat treatment as compared with the first group of martensitic steels. They develop their maximum softness, ductility and corrosion resistance in the annealed condition in which they are essentially ferritic.

### **NON-HARDENABLE CHROMIUM-NICKEL AND CHROMIUM-NICKEL-MANGANESE STEELS - (Austenitic and Non-magnetic) - AISI 200 and 300 Series**

These types are austenitic, essentially non-magnetic in the annealed condition and do not harden by heat treatment. Cold working develops a wide range of mechanical properties and the steel in this condition will become slightly more magnetic. They develop maximum softness, ductility and corrosion resistance in the annealed condition.

### **PRECIPITATION HARDENABLE STAINLESS STEEL (Martensitic and Magnetic)**

These are iron-chromium-nickel alloys (with additional elements) which are hardenable by solution treating and aging.

#### **TYPE JS700 (N08700)**

A stabilized austenitic super stainless steel with corrosion resistance superior to Type 317L. It exhibits low susceptibility to stress corrosion cracking.

#### **TYPE 904L (N08904)**

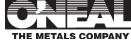
An extra-low carbon, non-stabilized austenitic super stainless steel with corrosion resistance superior to Type 317L. The copper addition imparts resistance to reducing acids.

#### **TYPE 17-4 (S17400)**

A martensitic precipitation hardening stainless steel that combines high strength and hardness with corrosion resistance superior to the hardenable chromium stainless steels, together with improved transverse properties.

#### **TYPE 201 (S20100)**

An austenitic, chromium-nickel-manganese stainless steel. It has been found to be an alternate for Types 301 and 304 in many applications.



## GUIDE TO SELECTION Stainless Steels

### **TYPE 301 (S30100)**

A lean austenitic, chromium-nickel stainless steel capable of unusually high uniform elongation with proper composition balance and forming conditions, frequently used for severe cold forming applications. This steel also attains high tensile strength with reasonable ductility by moderate to severe cold working and is often used in the cold rolled or cold drawn condition. Type 301 is essentially non-magnetic as annealed, but becomes magnetic when cold worked.

### **TYPE 303 (S30300)**

An austenitic, chromium-nickel stainless steel to which elements have been added to improve machining and non-seizing characteristics. They are the most readily machinable of all the austenitic, chromium-nickel grades.

### **TYPE 304 (S30400)**

The most widely used of the stainless and heat resisting steels. It is essentially non-magnetic when annealed, and can become slightly magnetic when cold worked.

### **TYPE 304L (S30403)**

A low-carbon, austenitic, chromium-nickel stainless steel with general corrosion resistance similar to Type 304, but with superior resistance to intergranular corrosion following welding or stress relieving.

### **TYPES 309/309S (30900, 30908)**

These steels are austenitic, chromium-nickel stainless steels with high heat resisting properties.

### **TYPES 310/310S (S31000, S31008)**

An austenitic, chromium-nickel stainless steel with high heat resisting properties, and greater hot strength than Types 309 and 309S. They are essentially non-magnetic when annealed or cold worked.

### **TYPE 316 (S31600)**

An austenitic, chromium-nickel-molybdenum stainless steel and heat resisting steel with corrosion resistance superior to most other chromium-nickel steels with in many types of chemical corrodents, as well as marine atmospheres.

### **TYPE 316L (S31603)**

A low-carbon, austenitic chromium-nickel-molybdenum stainless steel with general corrosion resistance similar to Type 316, but with superior resistance to intergranular corrosion following welding or stress relieving. It is suggested for use in parts to be exposed to certain corrosive environments which are fabricated by welding and cannot be subsequently annealed.



## GUIDE TO SELECTION Stainless Steels

### **TYPE 317 (S31700)**

An austenitic, chromium-nickel-molybdenum stainless steel which exhibits excellent corrosion resistance, superior even to Type 316, in special applications.

### **TYPE 317L (S31703)**

A low-carbon, austenitic chromium-nickel-molybdenum stainless steel with general corrosion resistance similar to Type 317, but with superior resistance to intergranular corrosion following welding or stress relieving. It is suggested for use in parts to be exposed to certain corrosive environments which are fabricated by welding and which cannot be subsequently annealed.

### **TYPE 321 (S32100)**

An austenitic, chromium-nickel stainless steel containing titanium to stabilize the carbon. This grade is suggested for parts to be exposed to certain corrosive environments which are fabricated by welding and cannot be subsequently annealed. It is also suggested for parts to be used at temperatures between 800 and 1,650 degrees F, which will subsequently be exposed to certain corrosive environments.

### **TYPE 409 (S40900)**

A general purpose non-hardenable constructional chromium stainless steel. It is primarily intended for use in moderately corrosive environments where appearance is not a critical feature.

### **TYPE 410 (S41000)**

The basic general purpose corrosion and heat resisting hardenable chromium steel. It has good corrosion resistance and fair machining properties.

### **TYPE 416 (S41600)**

A corrosion resisting, hardenable chromium steel to which sulphur has been added to improve the machining and non-seizing characteristics. It is the most readily machinable of all the stainless steels.

### **TYPE 430 (S43000)**

A chromium stainless steel with corrosion and heat resistance superior to Types 409 and 410. Type 430 is normally used in the annealed condition.

### **TYPE 440 (S44004)**

A high carbon chromium stainless steel that can attain the highest hardness ( $R_b$  100 Max) of any standard grade. Has high strength, corrosion resistance and good abrasion resistance.

### **TYPE 446 (S44600)**

A corrosion and heat resisting chromium steel used principally for the manufacture of parts which must resist scaling at high temperatures.



# STAINLESS PLATE

HOT ROLLED, ANNEALED AND PICKLED

Thickness and Width In Inches	Est. Wt. Per Sq. Ft. In Lbs.	304	304L	316L
3/16 x 48	8.579	X	X	X
60		X	X	X
72		X	X	X
96		X	X	X
1/4 x 48	11.162	X	X	X
60		X	X	X
72		X	X	X
96		X	X	X
5/16 x 48	13.746	X		
60			X	
72		X	X	X
96		X	X	X
3/8 x 48	16.496	X	X	X
60			X	
72		X	X	X
96		X	X	X
1/2 x 48	21.663	X	X	X
60			X	
72		X	X	X
96		X	X	X
5/8 x 72	26.831	X	X	X
96		X	X	X
3/4 x 72	32.123	X	X	X
96		X	X	X
1 x 72	42.665	X	X	X
96		X	X	X
1-1/4 x 72	52.992	X	X	X
96		X	X	X
1-1/2 x 72	63.312	X	X	X
96		X	X	X
2	84.01			
2-1/2	105.1			
3	126.3			

**STAINLESS**

STANDARD LENGTHS: 8 FT., 10 FT., 12 FT., 20 FT. RANDOM



# STAINLESS SHEETS

COLD ROLLED, ANNEALED AND PICKLED, 2 B FINISH, # 3 PVC

Gauge / Decimal In Inches	Est. Wt. Per Sq. Ft. In Lbs.	Size In Inches	Est. Wt. Sheet	304	304L	316L
7 Ga - .187	7.871	36 x 96	188.50	X	X	
		36 x 120	235.62	X	X	
		36 x 144	282.74	X	X	
		48 x 96	251.33	X	X	
		48 x 120	314.16	X	X	
		48 x 144	376.99	X	X	
		60 x 96	314.16	X	X	
		60 x 120	392.70	X	X	
		60 x 144	471.24	X	X	
		72 x 120	471.24	X	X	
72 x 144	565.49	X	X			
10 Ga - .135	5.673	36 x 96	136.15	X		
		36 x 120	170.19	X		
		36 x 144	204.23	X		
		48 x 96	181.53	X		X
	5.91	48 x 120	226.91	X	X	X
		48 x 144	272.26	X		X
		60 x 120	283.64	X		X
		60 x 144	340.37	X		X
11 Ga - .120	5.039	72 x 120	354.36	X	X	
		72 x 144	425.23	X	X	
		36 x 96	120.94	X		
	5.25	36 x 120	151.17	X		
		36 x 144	181.40	X		
		48 x 96	161.24	X		X
5.25	48 x 120	201.55	X		X	
	48 x 144	241.87	X		X	
	60 x 120	251.95	X		X	
	60 x 144	302.34	X		X	
5.25	72 x 120	315.00	X	X		
	72 x 144	378.00	X	X		

**STAINLESS**



## STAINLESS SHEETS

COLD ROLLED, ANNEALED AND PICKLED, 2 B FINISH, # 3 PVC

Gauge / Decimal In Inches	Est. Wt. Per Sq. Ft. In Lbs.	Size In Inches	Est. Wt. Sheet	304	304L	316L	
12 Ga - .105	4.409	36 x 96	105.82	X			
		36 x 120	132.27	X			
		36 x 144	158.72	X			
		48 x 96	141.08	X		X	
		48 x 120	176.36	X	X	X	
		48 x 144	211.63	X		X	
		60 x 120	220.45	X		X	
		60 x 144	264.54	X		X	
		4.60	72 x 120	275.70	X	X	
			72 x 144	330.84	X	X	
14 Ga - .075	3.15	36 x 96	75.6	X			
		36 x 120	94.48	X			
		36 x 144	113.40	X			
		48 x 96	100.78	X		X	
		48 x 120	125.97	X	X	X	
		48 x 144	151.20	X			
		60 x 120	157.47	X		X	
		60 x 144	188.96	X	X	X	
		3.28	72 x 120	196.80	X	X	X
			72 x 144	236.16	X	X	
16 Ga - .0595	2.498	36 x 96	59.95	X			
		36 x 120	74.94	X			
		36 x 144	89.93	X			
		48 x 96	79.95	X			
		48 x 120	99.94	X	X		
		48 x 144	119.90	X			
		60 x 120	124.92	X			
		60 x 144	149.90	X			

**STAINLESS**

**6**



## STAINLESS SHEETS

COLD ROLLED, ANNEALED AND PICKLED, 2 B FINISH, # 3 PVC

Gauge / Decimal In Inches	Est. Wt. Per Sq. Ft. In Lbs.	Size In Inches	Est. Wt. Sheet	304	304L	316L
18 Ga - .048	2.015	36 x 96	48.36	X		
		36 x 120	60.45	X		
		36 x 144	72.54	X		
		48 x 96	64.50	X		
		48 x 120	80.62	X	X	
		48 x 144	96.74	X		
20 Ga - .0355	1.490	36 x 96	35.77	X		
		36 x 120	44.71	X		
		36 x 144	53.66	X		
		48 x 96	47.70	X		
		48 x 120	59.62	X	X	
		48 x 144	71.57	X		
22 Ga - .0293	1.2600	36 x 96	30.24	X		
		36 x 120	37.80	X		
		36 x 144	45.36	X		
		48 x 96	40.32	X	X	
		48 x 120	50.40			
		48 x 144	60.48			
24 Ga - .0235	1.008	36 x 96	24.19			
		36 x 120	30.24			
		48 x 96	32.26			
		48 x 120	40.32			
26 Ga - .0178	.756	36 x 96	18.14			
		36 x 120	22.68			
		48 x 96	24.19			
		48 x 120	30.24			

**STAINLESS** **7**



## STAINLESS PLATE COILS

HOT ROLLED, ANNEALED AND PICKLED

Thickness/Decimal In Inches	Est. Wt./Sq. Ft. In Lbs.	Coil Width In Inches	304	304L	316L
3/16 - .1875	8.579	48	X	X	X
		60	X	X	X
		72	X	X	X
1/4 - .250	11.162	48	X	X	X
		60	X	X	X
		72	X	X	X
3/8 - .375	16.496	48	X	X	X
		60	X	X	X
		72	X	X	X
1/2 - .500	21.663	48	X	X	X
		60	X	X	X
		72	X	X	X

## STAINLESS SHEET COILS

COLD ROLLED, ANNEALED AND PICKLED

#2B FINISH

Gauge/Decimal In Inches	Est. Wt./Sq. Ft. In Lbs.	Coil Width In Inches	304	304L	316L
7 Ga - .187	7.871	36	X		
		48	X		
		60	X		
10 Ga - .135	5.673	36	X		
		48	X		X
		60	X		
11 Ga - .120	5.91	72		X	
	5.039	36	X		
		48	X	X	X
60		X		X	
12 Ga - .103	5.25	72		X	
	4.409	36	X		
		48	X		X
60		X			
14 Ga - .075	4.60	72		X	
	3.150	36	X		
		48	X	X	X
60		X			
16 Ga - .065	3.28	72		X	
	2.498	36	X		
		48	X	X	X
60		X			
18 Ga - .048	2.015	36			
		48	X	X	
20 Ga - .0355	1.4906	36			
		48	X		
22 Ga - .0293	1.2600	36			
		48	X		
24 Ga - .0235	1.008	48	X	X	
		48	X		
26 Ga - .0178	.756	48	X		

69 STAINLESS



## STAINLESS FLOOR PLATE

TYPE 304

Thickness and Width In Inches	Length	Wt. Per Sq. Ft.
1/8 x 36	10	6.150
1/8 x 48	8	6.150
1/8 x 48	10	6.150
3/16 x 48	8	8.700
3/16 x 48	10	8.700
1/4 x 48	8	11.250
1/4 x 48	10	11.250
1/4 x 48	12	11.250

## STAINLESS FLAT BARS (Edge Conditioned)

Stock Lengths – 12 Ft. Random

Size	Wt. Per Ft.	T304	T316L
1/8 x 1/2	.210	X	X
	.315	X	X
	.420	X	X
	.525	X	X
	.630	X	X
	.840	X	X
	1.050	X	X
	1.275	X	X
	1.680	X	X
3/16 x 1/2	.320	X	
	.478	X	
	.715	X	X
	.893	X	X
	1.071	X	X
	1.250	X	X
	1.428	X	X
	1.785	X	X
	2.142	X	X
	2.860	X	X
3.575	X		
1/4 x 1/2	.430	X	
	.650	X	X
	.930	X	X
	1.163	X	X
	1.395	X	X
	1.628	X	X
	1.860	X	X
	2.325	X	X
	2.790	X	X
	3.720	X	X
	5.580	X	X

**STAINLESS** 



## STAINLESS FLAT BARS (Edge Conditioned)

Stock Lengths – 12 Ft. Random

Size	Wt. Per Ft.	T304	T316L
5/16 x 1	1.146	X	X
	2.291	X	X
	2.860	X	X
	3.437	X	X
3/8 x 1	1.374	X	X
	1.720	X	X
	2.060	X	X
	2.750	X	X
	3.434	X	X
	4.122	X	X
	4.809	X	X
	5.496	X	X
	6.875	X	X
	8.244	X	X
1/2 x 3/4	1.290	X	X
	1.805	X	X
	2.256	X	X
	2.707	X	X
	3.610	X	X
	4.512	X	X
	5.414	X	X
	6.316	X	X
	7.219	X	X
	9.030	X	X
10.829	X	X	

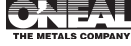
Because we produce our flat bars in-house by either slitting and edging or shearing and edging, sizes not listed above are available upon request. Range: Thickness 1/8" – 1/4" max. in lengths up to 30 ft.; Thickness 3/8" – 1/2" max. in lengths up to 12'.

## STAINLESS SQUARE BARS

12 Ft. Random Lengths

Size	Wt. Per Ft.	T303	T304	T316
1/2	.849	X	X	
5/8	1.328	X		
3/4	1.913	X	X	X
1	3.400	X	X	X
1-1/4	5.313	X	X	
1-1/2	7.650	X	X	
2	13.600		X	

**STAINLESS**



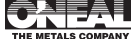
# STAINLESS ROUNDS

12' Random Lengths

Size In Inches	Est. Wt. Per Ft In Lbs.	303	304	304L	316/ 316L	316 PSQ*	416	416 PSQ*
1/8	.042		X					
3/16	.094		X	X				
1/4	.167	X	X	X	X			
5/16	.261	X	X	X				
3/8	.376	X	X	X	X			
7/16	.511		X	X				
1/2	.668	X	X	X	X			
9/16	.845	X	X	X				
5/8	1.043	X	X	X	X			
3/4	1.502	X	X	X	X		X	X
7/8	2.045		X	X	X		X	X
1	2.670	X	X	X	X		X	X
1-1/8	3.380		X	X	X	X	X	X
1-3/16	3.766				X	X	X	X
1-1/4	4.172		X	X	X			X
1-3/8	5.049		X				X	
1-7/16	5.518		X		X		X	X
1-1/2	6.008		X	X		X	X	X
1-5/8	7.051			X		X		X
1-11/16	7.604					X	X	X
1-3/4	8.178	X	X	X				
1-15/16	10.02		X			X	X	X
2	10.68		X	X				
2-1/8	12.06		X	X				
2-3/16	12.79		X			X	X	X
2-1/4	13.52			X		X		X
2-7/16	15.87		X			X	X	X
2-1/2	16.69		X	X			X	X
2-9/16	17.54		X					
2-5/8	18.40							
2-11/16	19.29						X	X
2-15/16	23.04		X					
3	24.03		X	X				
3-1/8	26.08		X	X				
3-1/4	28.21		X	X				
3-1/2	32.71		X	X				
4	42.73		X	X				
5	66.76							
6	96.13		X					
8	170.90		X					

**STAINLESS**

\*Pump Shaft Quality



## STAINLESS EQUAL LEG ANGLES

Stock Lengths: 20-24' Random

Size In Inches	Wt. Per Ft.	T304L	T316L
3/4 x 3/4 x 1/8	.590	X	X
1 x 1 x 1/8	.800	X	X
3/16	1.160	X	X
1/4	1.490	X	X
1-1/4 x 1-1/4 x 1/8	1.010	X	X
3/16	1.480	X	X
1/4	1.920	X	X
1-1/2 x 1-1/2 x 1/8	1.230	X	X
3/16	1.800	X	X
1/4	2.340	X	X
2 x 2 x 1/8	1.650	X	X
3/16	2.440	X	X
1/4	3.190	X	X
3/8	4.700	X	X
2-1/2 x 2-1/2 x 3/16	3.070	X	X
1/4	4.100	X	X
3/8	5.900	X	X
3 x 3 x 1/4	4.900	X	X
3/8	7.200	X	X
4 x 4 x 1/4	6.600	X	X
3/8	9.800	X	X

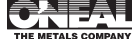
## STAINLESS UNEQUAL LEG ANGLES

Stock Lengths: 20-24' Random

Size In Inches	Wt. Per Ft.	T304L	T316L
3 x 1-1/2 x 3/16	2.81	X	X
3 x 1-1/2 x 1/4	3.69	X	X
3 x 2 x 3/16	3.14	X	X
3 x 2 x 1/4	4.10	X	X
3 x 2 x 3/8	5.90	X	X
4 x 3 x 1/4	5.80	X	X
4 x 3 x 3/8	8.50	X	X
4 x 3 x 1/2	11.22	X	X
5 x 3 x 1/4 (Welded)	6.85	X	X
5 x 3 x 3/8 (Welded)	10.01	X	X
6 x 4 x 1/4 (Welded)	8.30	X	X
6 x 4 x 3/8 (Welded)	12.70	X	X

**STAINLESS**

**12**



## STAINLESS H – BEAMS

TYPE 304L

20 FT. RANDOM

SIZE IN INCHES					WT. PER FOOT
H	B	T1	T2		
4	x 4	x 1/4	x 5/16		11.70
5	x 5	x 1/4	x 3/8		16.13
6	x 4	x 1/4	x 3/8		14.32
6	x 6	x 1/4	x 3/8		21.37

## STAINLESS CHANNEL

TYPE 304L, 316L

20 FT. RANDOM

SIZE IN INCHES				WT. PER FOOT
1-1/2	x 3/4	x 1/8		1.20
2	x 1	x 1/8		1.53
2	x 1	x 3/16		2.65
2	x 1	x 1/4		3.00
3	x 1-1/2	x 3/16		4.02
3	x 1-1/2	x 1/4		4.78
4	x 1-3/4	x 1/4		6.06
4	x 2	x 1/4		6.05
5	x 2-1/2	x 1/4		8.20
6	x 3	x 1/4		10.14
6	x 3	x 3/8		14.77
8	x 4	x 3/8		20.02

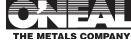
**STAINLESS**



## STAINLESS PIPE

Pipe Size (Nominal)	OD In Inches	ID In Inches	Wall Thickness	Wt. Per Ft. In Lbs.
<u>Sch 5</u>				
1/2	.840	.710	.065	.540
3/4	1.050	.920	.065	.690
1	1.315	1.185	.065	.880
1-1/4	1.660	1.530	.065	1.120
1-1/2	1.900	1.770	.065	1.290
2	2.375	2.245	.065	1.620
3	3.500	3.334	.083	3.060
3-1/2	4.000	3.834	.083	3.510
4	4.500	4.334	.083	3.915
6	6.625	6.407	.109	7.585
<u>Sch 10</u>				
1/2	.840	.674	.083	.671
3/4	1.050	.884	.083	.8572
1	1.315	1.097	.109	1.404
1-1/4	1.660	1.442	.109	1.806
1-1/2	1.900	1.682	.109	2.085
2	2.375	2.157	.109	2.638
3	3.500	3.260	.120	4.332
3-1/2	4.000	3.760	.120	4.973
4	4.500	4.260	.120	5.613
6	6.625	6.357	.134	9.289
<u>Sch 40</u>				
1/2	.840	.622	.109	.851
3/4	1.050	.824	.113	1.131
1	1.315	1.049	.133	1.679
1-1/4	1.660	1.380	.140	2.273
1-1/2	1.900	1.610	.145	2.718
2	2.375	2.067	.154	3.653
2-1/2	2.875	2.469	.203	5.793
3	3.500	3.068	.216	7.576
3-1/2	4.000	3.548	.226	9.109
4	4.500	4.026	.237	10.790
5	5.563	5.047	.258	14.620
6	6.625	6.065	.280	18.970
8	8.625	7.981	.322	28.550
10	10.750	10.020	.365	40.480
12	12.750	11.938	.406	53.520

**STAINLESS**



## STAINLESS PIPE

Pipe Size (Nominal)	OD In Inches	ID In Inches	Wall Thickness	Wt. Per Ft. In Lbs.
<u>Sch 80</u>				
1/2	.840	.546	.147	1.088
1	1.315	.957	.179	2.172
1-1/4	1.660	1.278	.191	2.997
1-1/2	1.900	1.500	.200	3.631
2	2.375	1.939	.218	5.022
2-1/2	2.875	2.323	.276	7.661
3	3.500	2.900	.300	10.250
3-1/2	4.000	3.364	.318	12.500
4	4.500	3.826	.337	14.980
5	5.563	4.813	.375	20.780
6	6.625	5.761	.432	28.570
8	8.825	7.625	.500	43.390

The above sizes and others not listed are available in most grades.

Fittings and flanges in most grades and sizes are available to accompany your pipe orders.

Tubing-Welded and Seamless, both polished and mill finish can be furnished per your specifications.

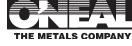


## STAINLESS STEEL ORNAMENTAL TUBE

TYPES 304, 304L, 316, 316L

Shape	O.D.	Gauge	Wall	Wt. Per Ft.
Round	1/2	20	.035	.1738
		16	.065	.3020
	5/8	20	.035	.2205
		18	.049	.3014
		16	.065	.3888
	3/4	18	.049	.3668
		14	.083	.5913
	7/8	18	.049	.4323
		16	.065	.5623
	1	20	.035	.3607
			.049	.4977
		16	.065	.6491
			12	.109
	1-1/4	18	.049	.6285
		16	.065	.8226
	1-1/2	18	.049	.7593
			.065	.9962
		14	.083	1.256
			11	.120
1-3/4	18	.049	.8902	
	14	.083	1.478	
2	16	.065	1.343	
	14	.083	1.669	
4	16	.065	2.732	
Square	1/2	16	.065	.3845
		3/4	18	.049
		16	.065	.6055

**STAINLESS**



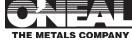
# STAINLESS STEEL ORNAMENTAL TUBE

TYPES 304, 304L, 316L

Shape	O.D.	Gauge	Wall	Wt. Per Ft.
Square	1	18	.049	.6337
		16	.065	.83
		14	.083	1.035
		12	.109	1.321
		11	.120	1.45
	1-1/4	16	.065	1.047
		11	.120	1.93
		14	.083	1.317
	1-1/2	14	.083	1.599
		16	.065	1.268
		11	.120	2.26
		7	.188	3.321
	2	16	.065	1.711
		12	.109	2.201
		11	.120	3.06
		7	.188	4.46
		14	.083	2.163
	1/4	1/4	.25	6.01
		2-1/2	11	.120
	3	11	.120	4.701
7		.188	7.190	
1/4		.25	9.35	
4	7	.180	9.350	
	1/4	.250	12.68	
Rectangle	1/2 x 1-1/2	16	.065	.8265
		1 x 2	16	.065
	1 x 3	11	.120	3.068
	2 x 3	11	.120	3.884
		7	.188	5.68
	2 x 4	12	.109	4.53
		11	.120	4.97
7		.188	6.90	

**STAINLESS**

**17**



**STAINLESS**

**18**