



*You will find this comprehensive manual helpful for estimation purposes. Information and data given are generally accepted throughout the steel industry but are intended for general reference only. Anyone making use of this information does so at his own risk and assumes full responsibility for the results.*

*Items listed do not represent our complete inventory - for additional information call your area steel service center.*

*We are unique in this business in that we have no minimum order requirements for either pick-ups or delivery by our fleet of trucks. Our motto is "we can find it for you." No matter what you need, place your metal inquiries with us.*



NORTH AMERICAN  
STEEL ALLIANCE

# Cold Finished Bars

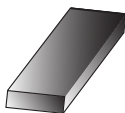
*Cold Finished Flat Bars* are produced by passing bars between power driven rolls.

*Cold Drawing* is the process for finishing a hot rolled rod or bar by pulling it through the hole of a die of the same shape, only smaller in size.

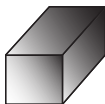
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Rounds



Flats



Squares



Hexagons



**Helpful Salespeople!**

**Friendly, knowledgeable and courteous  
customer service is what we do.**

Cold Finished Carbon Rounds						
Size In Inches	Weight Per Foot	Grade				
		C1018	C1045	C12L14	ASTM A311 B (formerly C1144 Century Series 100)	C1144
1/8	.042	20'				
3/16	.094	20'				
1/4	.167	20'	20'		12'	
5/16	.261	20'		12'	12'	
3/8	.376	20'	20'	12'	12'	
7/16	.511	20'		12'	12'	
1/2	.668	20'	20'	12'	12'	20'
9/16	.845	20'		12'		20'
5/8	1.040	20'	20'	12'	12'	20'
11/16	1.260	20'				20'
3/4	1.500	20'	20'	12'	12'	20'
13/16	1.760	20'		12'		
7/8	2.040	20'	20'	12'	12'	20'
15/16	2.350	20'	20'	12'	12'	
1	2.670	20'	20'	12'	12'	20'
1-1/16	3.010	20'			12'	
1-1/8	3.380	20'	20'	12'	12'	20'
1-3/16	3.770	20'	20'	12'	12'	20'
1-1/4	4.170	20'	20'	12'	12'	20'
1-5/16	4.600	20'		12'		20'
1-3/8	5.050	20'	20'	12'	12'	20'
1-7/16	5.520	20'	20'	12'	12'	20'
1-1/2	6.010	20'	20'	12'	12'	20'
1-9/16	6.520	20'				
1-5/8	7.050	20'	20'	12'	12'	20'
1-11/16	7.600	20'	20'			20'
1-3/4	8.180	20'	20'	12'	12'	20'
1-13/16	8.770	20'			12'	
1-7/8	9.390	20'	20'		12'	20'
1-15/16	10.020	20'	20'	12'	12'	20'
2	10.680	20'	20'	12'	12'	20'

## Cold Finished Carbon Rounds (continued)

Size In Inches	Weight Per Foot	Grade				
		C1018	C1045	C12L14	ASTM A311 B (formerly C1144 Century Series 100)	C1144
2-1/16	11.360	20'				
2-1/8	12.060	20'			12'	20'
2-3/16	12.780	20'	20'		12'	20'
2-1/4	13.520	20'	20'	12'	12'	20'
2-5/16	14.280	20'				
2-3/8	15.060	20'	20'		12'	20'
2-7/16	15.870	20'	20'		12'	20'
2-1/2	16.690	20'	20'	12'	12'	20'
2-9/16	17.530	20'				
2-5/8	18.400	20'		12'		20'
2-11/16	19.290	20'				
2-3/4	20.200	20'	20'	12'	12'	20'
2-13/16	21.120	20'				
2-7/8	22.070	20'			12'	
2-15/16	23.040	20'	20'		12'	20'
3	24.030	20'	20'	12'	12'	20'
3-1/8	26.080	20'				
3-3/16	27.130	20'	20'			
3-1/4	28.210	20'		12'	12'	20'
3-5/16	29.300	20'	20'			
3-3/8	30.420	20'			12'	20'
3-7/16	31.550	20'	20'		12'	20'
3-1/2	32.710	20'	20'	12'	12'	20'
3-9/16	33.890	20'				
3-5/8	35.090	20'		12'		
3-11/16	36.310	20'				
3-3/4	37.550	20'		12'	12'	20'
3-13/16	38.810	20'				
3-7/8	40.100	20'				
3-15/16	41.400	20'	20'		12'	20'
4	42.730	20'	20'	12'	12'	20'

**Cold Finished Carbon Rounds (continued)**

Size In Inches	Weight Per Foot	Grade				
		C1018	C1045	C12L14	ASTM A311 B (formerly C1144 Century Series 100)	C1144
4-3/16	46.830	20'				
4-1/4	48.230	20'			12'	20'
4-5/16	49.660	20'				
4-3/8	51.120	20'				
4-7/16	52.580	20'	20'			
4-1/2	54.080	20'	20'	12'	12'	20'
4-3/4	60.250	20'	20'			
4-15/16	65.100	20'	20'			
5	66.760	20'	20'	12'		
5-5/16	75.360	20'				
5-7/16	78.950	20'	20'			
5-1/2	80.780	20'		12'		
5-15/16	94.140	20'	20'			
6	96.130	20'	20'	12'		
6-1/2	112.82	20'		12'		
7	130.85	10'-12'	20'			
7-1/4	140.40	12'-24'				
7-1/2	150.20	10'-12'				
8	170.90	12'		12'		
8-1/2	192.90	24'				
9	216.30	20'				
10	267.00	12'				
12	384.50	12'				



**Good, Clean, Top Quality  
Material!**

*54 Cold Finished Bars*

### Cold Finished Carbon Flats

Size in Inches	Weight Per Foot Lbs.	Stock Lengths Feet		Size in Inches	Weight per Foot Lbs.	Stock Lengths Feet
1/8x1/4	.106	10'-12'		3/16x3-1/2	2.230	10'-12'
x5/16	.133	10'-12'		x4	2.550	10'-12'
x3/8	.159	10'-12'		x5	3.190	10'-12'
x7/16	.186	10'-12'		x6	3.820	10'-12'
x1/2	.213	10'-12'		1/4x3/8	.319	10'-12'
x5/8	.266	10'-12'		x1/2	.425	10'-12'
x3/4	.319	10'-12'		x5/8	.531	10'-12'
x7/8	.372	10'-12'		x3/4	.638	10'-12'
x1	.425	10'-12'		x1	.850	10'-12'
x1-1/4	.531	10'-12'		x1-1/4	1.060	10'-12'
x1-1/2	.638	10'-12'		x1-1/2	1.280	10'-12'
x1-3/4	.744	10'-12'		x1-3/4	1.490	10'-12'
x2	.850	10'-12'		x2	1.700	10'-12'
x2-1/2	1.060	10'-12'		x2-1/4	1.910	10'-12'
x3	1.280	10'-12'		x2-1/2	2.130	10'-12'
x3-1/2	1.490	10'-12'		x3	2.550	10'-12'
x4	1.700	10'-12'		x3-1/2	2.980	10'-12'
x5	2.130	10'-12'		x4	3.400	10'-12'
x6	2.550	10'-12'		x4-1/2	3.830	10'-12'
x8	3.400	10'-12'		x5	4.250	10'-12'
3/16x1/2	.319	10'-12'		x6	5.100	10'-12'
x3/4	.478	10'-12'		x8	6.800	10'-12'
x7/8	.558	10'-12'		x10	8.500	10'-12'
x1	.638	10'-12'		x12	10.200	10'-12'
x1-1/4	.797	10'-12'		5/16x1/2	.531	10'-12'
x1-1/2	.956	10'-12'		x5/8	.664	10'-12'
x1-3/4	1.120	10'-12'		x3/4	.797	10'-12'
x2	1.280	10'-12'		x1	1.060	10'-12'
x2-1/4	1.430	10'-12'		x1-1/4	1.330	10'-12'
x2-1/2	1.590	10'-12'		x1-1/2	1.590	10'-12'
x3	1.910	10'-12'				

## Cold Finished Carbon Flats (continued)

Size in Inches	Weight Per Foot Lbs.	Stock Lengths Feet		Size in Inches	Weight per Foot Lbs.	Stock Lengths Feet
5/16x2	2.130	10'-12'		1/2x5/8	1.060	10'-12'
x2-1/2	2.660	10'-12'		x3/4	1.280	10'-12'
x3	3.190	10'-12'		x7/8	1.490	10'-12'
x3-1/2	3.720	10'-12'		x1	1.700	10'-12'
x4	4.250	10'-12'		x1-1/4	2.130	10'-12'
x5	5.310	10'-12'		x1-1/2	2.550	10'-12'
x6	6.380	10'-12'		x1-3/4	2.980	10'-12'
3/8x1/2	.638	10'-12'		x2	3.400	10'-12'
x5/8	.797	10'-12'		x2-1/4	3.830	10'-12'
x3/4	.956	10'-12'		x2-1/2	4.250	10'-12'
x7/8	1.120	10'-12'		x2-3/4	4.680	10'-12'
x1	1.280	10'-12'		x3	5.100	10'-12'
x1-1/4	1.590	10'-12'		x3-1/2	5.950	10'-12'
x1-1/2	1.910	10'-12'		x4	6.800	10'-12'
x1-3/4	2.230	10'-12'		x4-1/2	7.650	10'-12'
x2	2.550	10'-12'		x5	8.500	10'-12'
x2-1/2	3.190	10'-12'		x6	10.200	10'-12'
x3	3.830	10'-12'		x8	13.600	10'-12'
x3-1/2	4.460	10'-12'		x10	17.000	10'-12'
x4	5.100	10'-12'		x12	20.400	10'-12'
x5	6.380	10'-12'		5/8x3/4	1.590	10'-12'
x6	7.650	10'-12'		x1	2.130	10'-12'
x8	10.200	10'-12'		x1-1/4	2.660	10'-12'
x10	12.750	10'-12'		x1-1/2	3.190	10'-12'
x12	15.300	10'-12'		x2	4.250	10'-12'
7/16x1/2	.744	10'-12'		x2-1/4	4.780	10'-12'
x3/4	1.120	10'-12'		x2-1/2	5.310	10'-12'
x1	1.490	10'-12'		x3	6.380	10'-12'
x1-1/4	1.860	10'-12'		x3-1/2	7.440	10'-12'
x2	2.980	10'-12'		x4	8.500	10'-12'
x2-1/2	3.720	10'-12'		x5	10.630	10'-12'

## Cold Finished Carbon Flats (continued)

Size in Inches	Weight Per Foot Lbs.	Stock Lengths Feet		Size in Inches	Weight per Foot Lbs.	Stock Lengths Feet
5/8x6	12.750	10'-12'		1x2-1/4	7.650	10'-12'
x8	17.000	10'-12'		x2-1/2	8.500	10'-12'
x10	21.250	10'-12'		x3	10.200	10'-12'
x12	25.500	10'-12'		x3-1/2	11.900	10'-12'
3/4x1	2.550	10'-12'		x4	13.600	10'-12'
x1-1/4	3.190	10'-12'		x4-1/2	15.300	10'-12'
x1-1/2	3.830	10'-12'		x5	17.000	10'-12'
x1-3/4	4.460	10'-12'		x6	20.400	10'-12'
x2	5.100	10'-12'		x8	27.200	10'-12'
x2-1/4	5.740	10'-12'		x10	34.000	10'-12'
x2-1/2	6.380	10'-12'		x12	40.080	10'-12'
x3	7.650	10'-12'		1-1/4x2	8.500	10'-12'
x3-1/2	8.930	10'-12'		x2-1/2	10.630	10'-12'
x4	10.200	10'-12'		x3	12.750	10'-12'
x4-1/2	11.480	10'-12'		x4	17.000	10'-12'
x5	12.750	10'-12'		x5	21.250	10'-12'
x6	15.300	10'-12'		x6	25.500	10'-12'
x8	20.400	10'-12'		x8	34.000	10'-12'
x10	25.500	10'-12'		x10	42.500	10'-12'
x12	30.600	10'-12'		x12	51.000	10'-12'
7/8x1	2.980	10'-12'		1-1/2x2	10.200	10'-12'
x1-1/2	4.460	10'-12'		x2-1/2	12.750	10'-12'
x2	5.950	10'-12'		x3	15.300	10'-12'
x2-1/2	7.440	10'-12'		x3-1/2	17.850	10'-12'
x3	8.930	10'-12'		x4	20.400	10'-12'
x5	14.880	10'-12'		x5	25.500	10'-12'
x6	17.850	10'-12'		x6	30.600	10'-12'
1x1-1/4	4.250	10'-12'		x8	40.800	10'-12'
x1-1/2	5.100	10'-12'		x10	51.000	10'-12'
x1-3/4	5.950	10'-12'		x12	61.200	10'-12'
x2	6.800	10'-12'				



**Cold Finished Carbon Flats (continued)**

Size in Inches	Weight Per Foot Lbs.	Stock Lengths Feet		Size in Inches	Weight Per Foot Lbs.	Stock Lengths Feet
1-3/4x3-1/2	20.830	10'-12'		2-1/2x3-1/2	29.750	10'-12'
2x2-1/2	17.000	10'-12'		x4	34.000	10'-12'
x3	20.400	10'-12'		x5	42.500	10'-12'
x3-1/2	23.800	10'-12'		x6	51.000	10'-12'
x4	27.200	10'-12'		x8	68.000	10'-12'
x5	34.000	10'-12'		3x4	40.800	10'-12'
x6	40.800	10'-12'		x4-1/2	45.900	10'-12'
2x8	54.400	10'-12'		x5	51.000	10'-12'
x10	68.000	10'-12'		x6	61.200	10'-12'
x12	81.600	10'-12'		x8	81.600	10'-12'
2-1/4x4	30.600	10'-12'				
x4-1/2	34.430	10'-12'				

**Cold Finished Carbon Squares**

Size in Inches	Weight Per Foot Lbs.	Stock Lengths Feet		Size in Inches	Weight Per Foot Lbs.	Stock Lengths Feet
1/8	.053	10'-12'		1-3/16	4.795	10'-12'
3/16	.120	10'-12'		1-1/4	5.310	10'-12'
1/4	.213	10'-12'		1-3/8	6.430	10'-12'
5/16	.332	10'-12'		1-1/2	7.650	10'-12'
3/8	.478	10'-12'		1-3/4	10.410	10'-12'
7/16	.652	10'-12'		2	13.600	10'-12'
1/2	.850	10'-12'		2-1/4	17.210	10'-12'
9/16	1.080	10'-12'		2-1/2	21.250	10'-12'
5/8	1.330	10'-12'		2-3/4	25.710	10'-12'
11/16	1.610	10'-12'		3	30.600	10'-12'
3/4	1.910	10'-12'		3-1/2	41.650	10'-12'
13/16	2.240	10'-12'		4	54.400	10'-12'
7/8	2.600	10'-12'		5	85.000	10'-12'
15/16	2.990	10'-12'		5-1/2	102.900	10'-12'
1	3.400	10'-12'		6	122.400	10'-12'
1-1/8	4.300	10'-12'				

Cold Finished Carbon Hexagons		
Size in Inches	Weight Per Foot Lbs.	Stock Lengths Feet
1/4	.184	10'-12'
5/16	.288	10'-12'
3/8	.414	10'-12'
7/16	.564	10'-12'
1/2	.736	10'-12'
9/16	.932	10'-12'
5/8	1.150	10'-12'
11/16	1.390	10'-12'
3/4	1.660	10'-12'
13/16	1.760	10'-12'
7/8	2.250	10'-12'
1	2.940	10'-12'
1-1/16	3.320	10'-12'
1-1/8	3.730	10'-12'
1-3/16	4.152	10'-12'
1-1/4	4.600	10'-12'
1-3/8	5.570	10'-12'
1-1/2	6.630	10'-12'
1-5/8	7.780	10'-12'
1-3/4	9.020	10'-12'
1-7/8	10.350	10'-12'
2	11.780	10'-12'
2-1/4	14.910	10'-12'
2-1/2	18.400	10'-12'
2-3/4	22.270	10'-12'
3	26.500	10'-12'
3-1/4	31.100	10'-12'
3-1/2	36.070	10'-12'
3-3/4	41.410	10'-12'