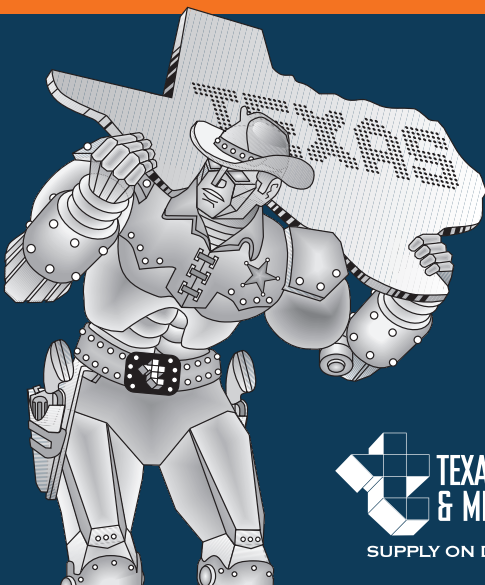


# STOCK REFERENCE GUIDE

SAFETY • QUALITY • PRODUCTION



TEXAS IRON  
& METAL

SUPPLY ON DEMAND.

# TEXAS IRON & METAL: OUR VISION FOR THE FUTURE

As we look to the future, we will honor our 80 years of service to the Houston community. We will not forget that the loyalty of our customers has enabled Texas Iron & Metal, a family-owned business, to supply steel for projects large and small, and for this, we are truly appreciative.

The members of Texas Iron & Metal fully recognize that it is all about choices! We intend to be the preferred choice of our current and future customers, and we will do so by our provision of the Texas Iron & Metal customer service experience.



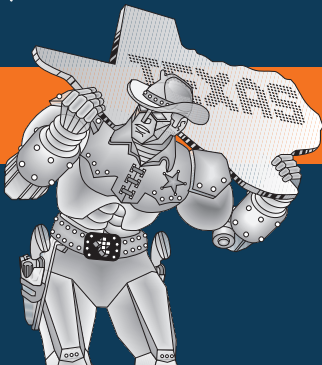
Max Reichenthal, President

## OUR VISION

CONSISTENCY. RELIABILITY. RESPONSIVENESS.



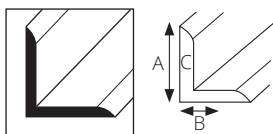
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# ANGLE



► **AN** Long Leg x Short Leg x Thickness x Length

## Angle

(A) Long Leg	(B) Short Leg	(C) Thickness	#/Ft.	#/20'
1/2	x 1/2	x 1/8	0.38	7.60
3/4	x 3/4	x 1/8	0.59	11.80
1	x 1	x 1/8	0.80	16.00
1	x 1	x 3/16	1.16	23.20
1	x 1/4	x 1/4	1.49	29.80
1 1/4	x 1 1/4	x 1/8	1.01	20.20
1 1/4	x 1 1/4	x 3/16	1.48	29.60
1 1/4	x 1 1/4	x 1/4	1.92	38.40
1 1/2	x 1 1/2	x 1/8	1.23	24.60
1 1/2	x 1 1/2	x 3/16	1.80	36.00
1 1/2	x 1 1/2	x 1/4	2.34	46.80
1 3/4	x 1 3/4	x 1/8	1.44	28.80
1 3/4	x 1 3/4	x 3/16	2.12	42.40
1 3/4	x 1 3/4	x 1/4	2.77	55.40
2	x 1 1/2	x 1/8	1.44	28.80
2	x 1 1/2	x 3/16	2.12	42.40
2	x 1 1/2	x 1/4	2.77	55.40
2	x 2	x 1/8	1.65	33.00
2	x 2	x 3/16	2.44	48.80
2	x 2	x 1/4	3.19	63.80

**Angle (cont.)**

(A) Long Leg	(B) Short Leg	(C) Thickness	#/Ft.	#/20'		
2	x	2	x	5/16	3.92	78.40
2	x	2	x	3/8	4.70	94.00
2 1/2	x	1 1/2	x	3/16	2.44	48.80
2 1/2	x	1 1/2	x	1/4	3.19	63.80
2 1/2	x	1 1/2	x	5/16	3.92	78.40
2 1/2	x	2	x	3/16	2.75	55.00
2 1/2	x	2	x	1/4	3.62	72.40
2 1/2	x	2	x	5/16	4.50	90.00
2 1/2	x	2	x	3/8	5.30	106.00
2 1/2	x	2 1/2	x	3/16	3.07	61.40
2 1/2	x	2 1/2	x	1/4	4.10	82.00
2 1/2	x	2 1/2	x	5/16	5.00	100.00
2 1/2	x	2 1/2	x	3/8	5.90	118.00
2 1/2	x	2 1/2	x	1/2	7.70	154.00
3	x	2	x	3/16	3.07	61.40
3	x	2	x	1/4	4.10	82.00
3	x	2	x	5/16	5.00	100.00
3	x	2	x	3/8	5.90	118.00
3	x	2	x	1/2	7.70	154.00
3	x	2 1/2	x	3/16	3.39	67.80
3	x	2 1/2	x	1/4	4.50	90.00
3	x	2 1/2	x	5/16	5.60	112.00
3	x	2 1/2	x	3/8	6.60	132.00
3	x	2 1/2	x	1/2	8.50	170.00
3	x	3	x	3/16	3.70	74.00
3	x	3	x	1/4	4.90	98.00
3	x	3	x	5/16	6.10	122.00
3	x	3	x	3/8	7.20	144.00

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Continued on next page 2

**Angle (cont.)**

(A) Long Leg	(B) Short Leg	(C) Thickness	#/Ft.	#/20'		
3	x	3	x	1/2	9.40	188.00
3 1/2	x	3	x	1/4	5.40	108.00
3 1/2	x	3	x	5/16	6.60	132.00
3 1/2	x	3	x	3/8	7.90	158.00
3 1/2	x	3	x	1/2	10.20	204.00
3 1/2	x	3 1/2	x	1/4	5.80	116.00
3 1/2	x	3 1/2	x	5/16	7.20	144.00
3 1/2	x	3 1/2	x	3/8	8.50	170.00
3 1/2	x	3 1/2	x	1/2	11.10	222.00
4	x	3	x	1/4	5.80	116.00
4	x	3	x	5/16	7.20	144.00
4	x	3	x	3/8	8.50	170.00
4	x	3	x	1/2	11.10	222.00
4	x	3 1/2	x	1/4	6.20	124.00
4	x	3 1/2	x	5/16	7.70	154.00
4	x	3 1/2	x	3/8	9.10	182.00
4	x	3 1/2	x	1/2	11.90	238.00
4	x	4	x	1/4	6.60	132.00
4	x	4	x	5/16	8.20	164.00
4	x	4	x	3/8	9.80	196.00
4	x	4	x	1/2	12.80	256.00
4	x	4	x	5/8	15.70	314.00
4	x	4	x	3/4	18.50	370.00
5	x	3	x	1/4	6.60	132.00
5	x	3	x	5/16	8.20	164.00
5	x	3	x	3/8	9.80	196.00
5	x	3	x	1/2	12.80	256.00
5	x	3	x	5/8	15.70	314.00

**Angle (cont.)**

(A) Long Leg	(B) Short Leg	(C) Thickness	#/Ft.	#/20'
5	x 3	x 3/4	18.50	370.00
5	x 3 1/2	x 1/4	7.00	140.00
5	x 3 1/2	x 5/16	8.70	174.00
5	x 3 1/2	x 3/8	10.40	208.00
5	x 3 1/2	x 1/2	13.60	272.00
5	x 3 1/2	x 5/8	16.80	336.00
5	x 3 1/2	x 3/4	19.80	396.00
5	x 5	x 5/16	10.30	206.00
5	x 5	x 3/8	12.30	246.00
5	x 5	x 1/2	16.20	324.00
5	x 5	x 5/8	20.00	400.00
5	x 5	x 3/4	23.60	472.00
5	x 5	x 7/8	27.20	544.00
6	x 3 1/2	x 5/16	9.80	196.00
6	x 3 1/2	x 3/8	11.70	234.00
6	x 3 1/2	x 1/2	15.30	306.00
6	x 3 1/2	x 5/8	18.80	376.00
6	x 4	x 5/16	10.30	206.00
6	x 4	x 3/8	12.30	246.00
6	x 4	x 1/2	16.20	324.00
6	x 4	x 5/8	20.00	400.00
6	x 4	x 3/4	23.60	472.00
6	x 6	x 5/16	12.50	250.00
6	x 6	x 3/8	14.90	298.00
6	x 6	x 1/2	19.60	392.00
6	x 6	x 5/8	24.20	484.00
6	x 6	x 3/4	28.70	574.00
6	x 6	x 7/8	33.10	662.00

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**Angle (cont.)**

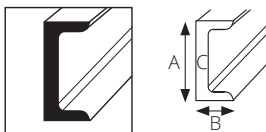
(A) Long Leg	(B) Short Leg	(C) Thickness	#/Ft.	#/20'		
6	x	6	x	1	37.40	748.00
7	x	4	x	3/8	13.60	272.00
7	x	4	x	1/2	17.90	358.00
7	x	4	x	3/4	26.20	524.00
8	x	4	x	1/2	19.60	392.00
8	x	4	x	5/8	24.20	484.00
8	x	4	x	3/4	28.70	574.00
8	x	4	x	1	37.40	748.00
8	x	6	x	1/2	23.00	460.00
8	x	6	x	5/8	28.50	570.00
8	x	6	x	3/4	33.80	676.00
8	x	6	x	1	44.20	884.00
8	x	8	x	1/2	26.40	528.00
8	x	8	x	5/8	32.70	654.00
8	x	8	x	3/4	38.90	778.00
8	x	8	x	7/8	45.00	900.00
8	x	8	x	1	51.00	1020.00
8	x	8	x	1 1/8	56.90	1138.00
9	x	4	x	1/2	21.30	426.00
9	x	4	x	5/8	26.30	526.00
9	x	4	x	3/4	31.30	626.00

**"Opportunities don't happen,  
you create them."**

**— CHRIS GROSSER**



## BAR CHANNEL



► **CHB** Size x Flange Width x Web Thickness x Length

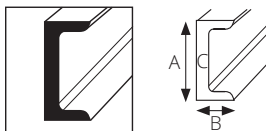
### BAR Channel

(A) Size		(B) Flange Width		(C) Web Thk.	#/Ft.
3/4	x	3/8	x	1/8	0.56#
1	x	1/2	x	1/8	0.84#
1 1/4	x	1/2	x	1/8	1.01#
1 1/2	x	1/2	x	1/8	1.12#
1 1/2	x	3/4	x	1/8	1.17#
2	x	1/2	x	1/8	1.47#
2	x	1	x	1/8	1.59#
2	x	1	x	3/16	2.32#
2 1/2	x	5/8	x	3/16	2.27#

**“Change your thoughts and  
you change your world.”**

— NORMAN VINCENT PEALE

# CHANNEL



► **CH** Size x #/Ft. x Length

## Channel

(A) Size	#/Ft.	Color Code	(B) Flange Width	(C) WebThk.
3 x	3.50#	Orange	1.360	0.140
3 x	4.10#	Red	1.410	0.170
3 x	5.00#	Green	1.498	0.258
3 x	6.00#	White	1.596	0.356
4 x	4.50#	Orange	1.520	0.145
4 x	5.40#	Red	1.580	0.180
4 x	6.25#	Green	1.647	0.247
4 x	7.25#	White	1.720	0.320
5 x	6.70#	Red	1.750	0.190
5 x	9.00#	Green	1.885	0.325
6 x	8.20#	Red	1.920	0.200
6 x	10.50#	Green	2.034	0.314
6 x	13.00#	White	2.157	0.437
7 x	9.80#	Red	2.090	0.210
7 x	12.25#	Green	2.194	0.314
7 x	14.75#	White	2.299	0.419
8 x	8.50#	Red	1.875	0.180
8 x	11.50#	Green	2.260	0.220
8 x	13.75#	White	2.343	0.303
8 x	18.75#	Blue	2.527	0.487

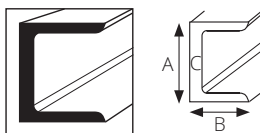
**Channel (cont.)**

(A) Size		#/Ft.	Color Code	(B) Flange Width	(C) WebThk.
9	x	13.40#	Red	2.430	0.230
9	x	15.00#	Green	2.485	0.285
9	x	20.00#	White	2.648	0.448
10	x	15.30#	Red	2.600	0.240
10	x	20.00#	Green	2.739	0.379
10	x	25.00#	White	2.886	0.526
10	x	30.00#	Blue	3.033	0.673
12	x	20.70#	Red	2.940	0.280
12	x	25.00#	Green	3.047	0.387
12	x	30.00#	White	3.170	0.510
15	x	33.90#	Red	3.400	0.400
15	x	40.00#	Green	3.520	0.520
15	x	50.00#	White	3.716	0.716

**“Twenty years from now you will be more disappointed by the things you didn’t do than by the ones you did do.”**

— MARK TWAIN

## MISC. CHANNEL



► **MC** Size x #/Ft. x Length

### Misc. Channel

(A) Size	#/Ft.	Color Code	(B) Flange Width	(C) WebThk.
3 x	7.10#	Red	1.938	0.312
4 x	13.80#	Red	2.500	0.500
6 x	12.00#	Red	2.497	0.310
6 x	15.10#	Green	2.938	0.316
6 x	15.30#	White	3.500	0.340
6 x	16.30#	Blue	3.000	0.375
6 x	18.00#	Yellow	3.500	0.379
7 x	17.60#	Red	3.000	0.375
7 x	19.10#	Green	3.450	0.352
7 x	22.70#	White	3.600	0.503
8 x	8.50#	Red	1.875	0.180
8 x	18.70#	Green	2.975	0.353
8 x	20.00#	White	3.025	0.400
8 x	21.40#	Blue	3.450	0.375
8 x	22.80#	Yellow	3.500	0.427
9 x	23.90#	Red	3.450	0.400
9 x	25.40#	Green	3.500	0.450
10 x	6.50#	Red	1.125	0.152
10 x	8.40#	Green	1.500	0.170
10 x	22.00#	White	3.315	0.290

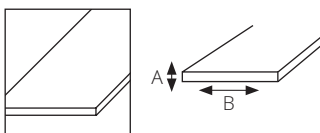
**Misc. Channel (cont.)**

(A) Size		#/Ft.	Color Code	(B) Flange Width	(C) WebThk.
10	x	25.00#	Blue	3.405	0.380
10	x	28.50#	Yellow	3.950	0.425
10	x	33.60#	Red	4.100	0.575
10	x	41.10#	Green	4.321	0.796
12	x	10.60#	Red	1.500	0.190
12	x	31.00#	Green	3.670	0.370
12	x	35.00#	White	3.767	0.467
12	x	40.00#	Blue	3.890	0.590
12	x	45.00#	Yellow	4.012	0.712
12	x	50.00#	Red	4.135	0.835
13	x	31.80#	Red	4.000	0.375
13	x	35.00#	Green	4.072	0.447
13	x	40.00#	White	4.185	0.560
13	x	50.00#	Blue	4.412	0.787
18	x	42.70#	Red	3.950	0.450
18	x	45.80#	Green	4.000	0.500
18	x	51.90#	White	4.100	0.600
18	x	58.00#	Blue	4.200	0.700

**"Innovation distinguishes  
between a leader and a  
follower."**

— STEVE JOBS

# STRIP

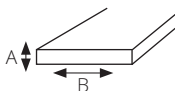
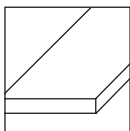


► **BF** Thickness x Width x Length

## Strip

(A) Thk.	(B) Width	#/Ft.	(A) Thk.	(B) Width	#/Ft.
1/8	x 1/2	.213	3/16	x 1/2	.319
	x 3/4	.319		x 3/4	.479
	x 1	.425		x 1	.638
	x 1 1/4	.531		x 1 1/4	.797
	x 1 1/2	.638		x 1 1/2	.956
	x 1 3/4	.744		x 1 3/4	1.116
	x 2	.850		x 2	1.276
	x 2 1/4	.956		x 2 1/4	1.434
	x 2 1/2	1.063		x 2 1/2	1.594
	x 3	1.275		x 3	1.913
	x 3 1/2	1.488		x 3 1/2	2.230
	x 4	1.700		x 4	2.550
	x 4 1/2	1.913		x 4 1/2	2.869
	x 5	2.125		x 5	3.188
	x 5 1/2	2.338		x 5 1/2	3.506
	x 6	2.550		x 6	3.825
	x 7	2.975		x 7	4.463
	x 8	3.400		x 8	5.100
	x 10	4.250		x 10	6.375
	x 12	5.100		x 12	7.650

# FLAT BAR



► **BF** Thickness x Width x Length

## Flat Bar HR & CR

(A) Thk.	(B) Width	#/Ft.	(A) Thk.	(B) Width	#/Ft.
1/4	x 1/2	.425	5/16	x 3/4	.797
	x 3/4	.638		x 1	1.063
	x 1	.850		x 1 1/4	1.328
	x 1 1/4	1.063		x 1 1/2	1.594
	x 1 1/2	1.275		x 2	2.125
	x 1 3/4	1.488		x 2 1/4	2.391
	x 2	1.700		x 2 1/2	2.656
	x 2 1/4	1.913		x 2 3/4	2.922
	x 2 1/2	2.125		x 3	3.188
	x 3	2.550		x 3 1/4	3.453
	x 3 1/4	2.763		x 3 1/2	3.719
	x 3 1/2	2.975		x 4	4.250
	x 4	3.400		x 4 1/2	4.780
	x 4 1/2	3.825		x 5	5.313
	x 5	4.250		x 5 1/2	5.844
	x 5 1/2	4.675		x 6	6.375
	x 6	5.100		x 7	7.438
	x 6 1/2	5.520		x 8	8.500
	x 7	5.950	3/8	x 1/2	.638
	x 8	6.800		x 3/4	.956

## Flat Bar HR & CR *(cont.)*

(A) Thk.	(B) Width	#/Ft.	(A) Thk.	(B) Width	#/Ft.
3/8	x 1	1.275	1/2	x 3	5.100
	x 1 1/4	1.594		x 3 1/4	5.525
	x 1 1/2	1.913		x 3 1/2	5.950
	x 1 3/4	2.231		x 4	6.800
	x 2	2.550		x 4 1/2	7.650
	x 2 1/4	2.869		x 5	8.500
	x 2 1/2	3.188		x 5 1/2	9.350
	x 2 3/4	3.506		x 6	10.200
	x 3	3.825		x 7	11.900
	x 3 1/4	4.144		x 8	13.600
	x 3 1/2	4.463	5/8	x 2	4.250
	x 4	5.100		x 2 1/2	5.313
	x 4 1/2	5.738		x 3	6.375
	x 5	6.375		x 4	8.500
	x 5 1/2	7.013		x 5	10.630
	x 6	7.650		x 6	12.750
	x 7	8.925		x 7	14.870
	x 8	10.200		x 8	17.000
1/2	x 3/4	1.275	3/4	x 1	2.550
	x 1	1.700		x 1 1/4	3.188
	x 1 1/4	2.125		x 1 1/2	3.825
	x 1 1/2	2.550		x 2	5.100
	x 1 3/4	2.975		x 2 1/2	6.375
	x 2	3.400		x 3	7.650
	x 2 1/4	3.825		x 3 1/2	8.925
	x 2 1/2	4.250		x 4	10.200
	x 2 3/4	4.675		x 4 1/2	11.480



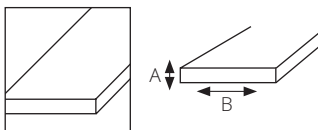
## Flat Bar HR & CR *(cont.)*

(A) Thk.	(B) Width	#/Ft.	(A) Thk.	(B) Width	#/Ft.
3/4	x 5	12.750	1	x 5 1/2	18.700
	x 5 1/2	14.030		x 6	20.400
	x 6	15.300		x 7	23.800
	x 7	17.850		x 8	27.200
	x 8	20.400	1 1/8	x 2	7.650
7/8	x 1 1/4	3.719		x 2 1/2	9.563
	x 1 1/2	4.463		x 3	11.480
	x 2	5.950		x 4	15.300
	x 2 1/2	7.438		x 5	19.130
	x 3	8.925		x 6	22.950
	x 3 1/2	10.410		x 8	30.600
	x 4	11.900	1 1/4	x 1 1/2	6.375
	x 4 1/2	13.390		x 2	8.500
	x 5	14.880		x 2 1/4	9.560
	x 5 1/2	16.360		x 2 1/2	10.630
	x 6	17.850		x 2 3/4	11.690
	x 7	20.830		x 3	12.750
	x 8	23.800		x 3 1/4	13.810
1	x 1 1/4	4.250		x 3 1/2	14.880
	x 1 1/2	5.100		x 4	17.000
	x 2	6.800		x 4 1/2	19.130
	x 2 1/2	8.500		x 5	21.250
	x 3	10.200		x 5 1/2	23.380
	x 3 1/2	11.900		x 6	25.500
	x 4	13.600		x 7	29.750
	x 4 1/2	15.300		x 8	34.000
	x 5	17.000	1 1/2	x 2	10.200

## Flat Bar HR & CR *(cont.)*

(A) Thk.	(B) Width	#/Ft.	(A) Thk.	(B) Width	#/Ft.
1 1/2	x 2 1/4	11.480	2	x 4	27.200
	x 2 1/2	12.750		x 4 1/2	30.600
	x 2 3/4	14.030		x 5	34.000
	x 3	15.300		x 5 1/2	37.400
	x 3 1/2	17.850		x 6	40.800
	x 4	20.400		x 7	47.600
	x 4 1/2	22.950		x 8	54.400
	x 5	25.500	2 1/4	x 2 1/2	19.130
	x 5 1/2	28.050		x 3	22.950
	x 6	30.600		x 3 1/2	26.780
	x 7	35.700		x 4	30.600
	x 8	40.800		x 5	38.250
1 3/4	x 2	11.900		x 6	45.900
	x 2 1/2	14.880	2 1/2	x 3	25.550
	x 3	17.850		x 3 1/2	29.750
	x 3 1/2	20.830		x 4	34.000
	x 4	23.800		x 4 1/2	38.250
	x 4 1/2	26.780		x 5	42.500
	x 5	29.750		x 6	51.000
	x 5 1/2	32.730		x 8	68.000
	x 6	35.700	3	x 4	40.800
2	x 2 1/4	15.300		x 4 1/2	45.900
	x 2 1/2	17.000		x 5	51.000
	x 3	20.400		x 6	61.200
	x 3 1/2	23.800		x 8	81.600

# UM PLATE



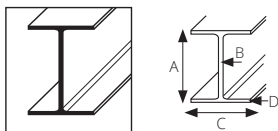
► **UM** Thickness x Width x Length

## UM Plate

(A) Thk.	(B) Width	#/Ft.
1/4	x 9	7.65
	x 10	8.51
	x 11	9.36
	x 12	10.21
5/16	x 9	9.56
	x 10	10.64
	x 12	12.75
3/8	x 9	11.48
	x 10	12.76
	x 11	14.04
	x 12	15.32
1/2	x 9	15.30
	x 10	17.02
	x 11	18.72
	x 12	20.42

(A) Thk.	(B) Width	#/Ft.
5/8	x 9	19.13
	x 10	21.27
	x 12	25.53
3/4	x 9	22.95
	x 10	25.53
	x 11	28.08
	x 12	30.63
1	x 9	30.63
	x 10	34.03
	x 12	40.84
1 1/2	x 10	51.00
	x 12	61.25
2	x 9	61.26
	x 10	68.08
	x 12	81.68

## M "JR." BEAM

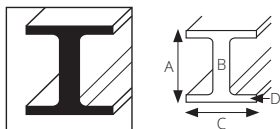


► **WF** Size x #/Ft. x Length

### M "JR." Beam • Light Beam

(A) Size	#/Ft.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
6	x 4.40	0.114	1.844	0.171
8	x 6.50	0.135	2.281	0.189
10	x 9.00	0.157	2.690	0.206
12	x 11.80	0.177	3.065	0.225

## WIDE FLANGE BEAM



► **WF** Size x #/Ft. x Length

### Wide Flange Beam

Size	#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
4	x 13.000	4.160	0.280	4.060	0.375
5	x 16.000	5.010	0.260	5.000	0.360

## Wide Flange Beam

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
5	x	19.000	5.150	0.270	5.030	0.430
6	x	9.000	5.900	0.170	3.940	0.215
	x	12.000	6.030	0.230	4.000	0.280
	x	15.000	5.990	0.230	5.990	0.260
	x	16.000	6.280	0.260	4.030	0.405
	x	20.000	6.200	0.260	6.020	0.365
	x	25.000	6.380	0.320	6.080	0.455
8	x	10.000	7.890	0.170	3.940	0.205
	x	13.000	7.990	0.230	4.000	0.255
	x	15.000	8.110	0.245	4.015	0.315
	x	18.000	8.140	0.230	5.250	0.330
	x	21.000	8.280	0.250	5.270	0.400
	x	24.000	7.930	0.245	6.495	0.400
	x	28.000	8.060	0.285	6.535	0.465
	x	31.000	8.000	0.285	7.995	0.435
	x	35.000	8.120	0.310	8.020	0.495
	x	40.000	8.250	0.360	8.070	0.560
	x	48.000	8.500	0.400	8.110	0.685
	x	58.000	8.750	0.510	8.220	0.810
	x	67.000	9.000	0.570	8.280	0.935
10	x	12.000	9.870	0.190	3.960	0.210
	x	15.000	9.990	0.230	4.000	0.270
	x	17.000	10.110	0.240	4.010	0.330
	x	19.000	10.240	0.250	4.020	0.395
	x	22.000	10.170	0.240	5.750	0.360
	x	26.000	10.330	0.260	5.770	0.440

## Wide Flange Beam (cont.)

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
10	x	30.000	10.470	0.300	5.810	0.510
	x	33.000	9.730	0.290	7.960	0.435
	x	39.000	9.920	0.315	7.985	0.530
	x	45.000	10.100	0.350	8.020	0.620
	x	49.000	9.980	0.340	10.000	0.560
	x	54.000	10.090	0.370	10.030	0.615
	x	60.000	10.220	0.420	10.080	0.680
	x	68.000	10.400	0.470	10.130	0.770
	x	77.000	10.600	0.530	10.190	0.870
	x	88.000	10.840	0.605	10.265	0.990
12	x	100.000	11.100	0.680	10.340	1.120
	x	112.000	11.360	0.755	10.415	1.250
	x	14.000	11.910	0.200	3.970	0.225
	x	16.000	11.990	0.220	3.990	0.265
	x	19.000	12.160	0.235	4.005	0.350
	x	22.000	12.310	0.260	4.030	0.425
	x	26.000	12.220	0.230	6.490	0.380
	x	30.000	12.340	0.260	6.520	0.440
	x	35.000	12.500	0.300	6.560	0.520
	x	40.000	11.940	0.295	8.005	0.515
x	45.000	12.060	0.335	8.045	0.575	
x	50.000	12.190	0.370	8.080	0.640	
x	53.000	12.060	0.345	9.995	0.575	
x	58.000	12.190	0.360	10.010	0.640	
x	65.000	12.120	0.390	12.000	0.605	
x	72.000	12.250	0.430	12.040	0.670	

## Wide Flange Beam *(cont.)*

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
12	x	79.000	12.380	0.470	12.080	0.735
	x	87.000	12.530	0.515	12.125	0.810
	x	96.000	12.710	0.550	12.160	0.900
	x	106.000	12.890	0.610	12.220	0.990
	x	120.000	13.120	0.710	12.320	1.105
	x	136.000	13.410	0.790	12.400	1.250
	x	152.000	13.710	0.870	12.480	1.400
	x	170.000	14.030	0.960	12.570	1.560
	x	190.000	14.380	1.060	12.670	1.735
	x	210.000	14.710	1.180	12.790	1.900
	x	230.000	15.050	1.285	12.895	2.070
	x	252.000	15.410	1.395	13.005	2.250
	x	279.000	15.850	1.530	13.140	2.470
	x	305.000	16.320	1.625	13.235	2.705
	x	336.000	16.820	1.775	13.385	2.955
	14	x	22.000	13.740	0.230	5.000
x		26.000	13.910	0.255	5.025	0.420
	x	30.000	13.840	0.270	6.730	0.385
	x	34.000	13.980	0.285	6.745	0.455
	x	38.000	14.100	0.310	6.770	0.515
	x	43.000	13.660	0.305	7.995	0.530
	x	48.000	13.790	0.340	8.030	0.595
	x	53.000	13.920	0.370	8.060	0.660
	x	61.000	13.890	0.375	9.995	0.645
	x	68.000	14.040	0.415	10.035	0.720
	x	74.000	14.170	0.450	10.070	0.785

## Wide Flange Beam *(cont.)*

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
14	x	82.000	14.310	0.510	10.130	0.855
	x	90.000	14.020	0.440	14.520	0.710
	x	99.000	14.160	0.485	14.565	0.780
	x	109.000	14.320	0.525	14.605	0.860
	x	120.000	14.480	0.590	14.670	0.940
	x	132.000	14.660	0.645	14.725	1.030
	x	145.000	14.780	0.680	15.500	1.090
	x	159.000	14.980	0.745	15.565	1.190
	x	176.000	15.220	0.830	15.650	1.310
	x	193.000	15.480	0.890	15.710	1.440
	x	211.000	15.720	0.980	15.800	1.560
	x	233.000	16.040	1.070	15.890	1.720
	x	257.000	16.380	1.175	15.995	1.890
	x	283.000	16.740	1.290	16.110	2.070
16	x	311.000	17.120	1.410	16.230	2.260
	x	342.000	17.540	1.540	16.360	2.470
	x	26.000	15.690	0.250	5.500	0.345
	x	31.000	15.880	0.275	5.525	0.440
	x	36.000	15.860	0.295	6.985	0.430
	x	40.000	16.010	0.305	6.995	0.505
	x	45.000	16.130	0.345	7.035	0.565
	x	50.000	16.260	0.380	7.070	0.630
	x	57.000	16.430	0.430	7.120	0.715
	x	67.000	16.330	0.395	10.235	0.665
x	77.000	16.520	0.455	10.295	0.760	
x	89.000	16.750	0.525	10.365	0.875	



## Wide Flange Beam *(cont.)*

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
16	x	100.000	16.970	0.585	10.425	0.985
18	x	35.000	17.700	0.300	6.000	0.425
	x	40.000	17.900	0.315	6.015	0.525
	x	46.000	18.060	0.360	6.060	0.605
	x	50.000	17.990	0.355	7.495	0.570
	x	55.000	18.110	0.390	7.530	0.630
	x	60.000	18.240	0.415	7.555	0.695
	x	65.000	18.350	0.450	7.590	0.750
	x	71.000	18.470	0.495	7.635	0.810
	x	76.000	18.210	0.425	11.035	0.680
	x	86.000	18.390	0.480	11.090	0.770
	x	97.000	18.590	0.535	11.145	0.870
	x	106.000	18.730	0.590	11.200	0.940
	x	119.000	18.970	0.655	11.265	1.060
	x	130.000	19.250	0.670	11.160	1.200
	x	143.000	19.490	0.730	11.220	1.320
	x	158.000	19.720	0.810	11.300	1.440
	x	175.000	20.040	0.890	11.375	1.590
	x	192.000	20.350	0.960	11.455	1.750
	x	211.000	20.670	1.060	11.555	1.910
	x	234.000	21.060	1.160	11.650	2.110
	x	258.000	21.460	1.280	11.770	2.300
	x	283.000	21.850	1.400	11.890	2.500
	x	311.000	22.320	1.520	12.005	2.740
21	x	44.000	20.660	0.350	6.500	0.450
	x	48.000	20.625	0.350	8.140	0.430

## Wide Flange Beam *(cont.)*

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
21	x	50.000	20.830	0.380	6.530	0.535
	x	57.000	21.060	0.405	6.555	0.650
	x	62.000	20.990	0.400	8.240	0.615
	x	68.000	21.130	0.430	8.270	0.685
	x	73.000	21.240	0.455	8.295	0.740
	x	83.000	21.430	0.515	8.355	0.835
	x	93.000	21.620	0.580	8.420	0.930
	x	101.000	21.360	0.500	12.290	0.800
	x	111.000	21.510	0.550	12.340	0.875
	x	122.000	21.680	0.600	12.390	0.960
	x	132.000	21.830	0.650	12.440	1.035
	x	147.000	22.060	0.720	12.510	1.150
	x	166.000	22.480	0.750	12.420	1.360
	x	182.000	22.720	0.830	12.500	1.480
24	x	248.000	23.740	1.110	12.775	1.990
	x	275.000	24.130	1.220	12.890	2.190
	x	300.000	24.530	1.320	12.990	2.380
	x	55.000	23.570	0.395	7.005	0.505
	x	62.000	23.740	0.430	7.040	0.590
	x	68.000	23.730	0.415	8.965	0.585
	x	76.000	23.920	0.440	8.990	0.680
	x	84.000	24.100	0.470	9.020	0.770
	x	94.000	24.310	0.515	9.065	0.875
	x	104.000	24.060	0.500	12.750	0.750
x	117.000	24.260	0.550	12.800	0.850	
x	131.000	24.480	0.605	12.855	0.960	

## Wide Flange Beam (cont.)

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
24	x	146.000	24.740	0.650	12.900	1.090
	x	162.000	25.000	0.705	12.955	1.220
	x	176.000	25.240	0.750	12.890	1.340
	x	192.000	25.470	0.810	12.950	1.460
	x	207.000	25.710	0.870	13.010	1.570
	x	229.000	26.020	0.960	13.110	1.730
	x	250.000	26.340	1.040	13.185	1.890
	x	279.000	26.730	1.160	13.305	2.090
	x	306.000	27.130	1.260	13.405	2.280
	27	x	84.000	26.710	0.460	9.960
x		94.000	26.920	0.490	9.990	0.745
x		102.000	27.090	0.515	10.015	0.830
x		114.000	27.290	0.570	10.070	0.930
x		146.000	27.380	0.605	13.965	0.975
x		161.000	27.590	0.660	14.020	1.080
x		178.000	27.810	0.725	14.085	1.190
x		194.000	28.110	0.750	14.035	1.340
x		217.000	28.430	0.830	14.115	1.500
x		235.000	28.660	0.910	14.190	1.610
x		258.000	28.980	0.980	14.270	1.770
x		281.000	29.290	1.060	14.350	1.930
x		307.000	29.610	1.160	14.445	2.090
x	336.000	30.000	1.260	14.545	2.280	
30	x	90.000	29.530	0.470	10.400	0.610
	x	99.000	29.650	0.520	10.450	0.670
	x	108.000	29.830	0.545	10.475	0.760

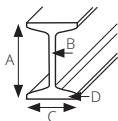
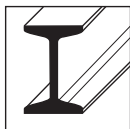
## Wide Flange Beam *(cont.)*

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
30	x	116.000	30.010	0.565	10.495	0.850
	x	124.000	30.170	0.585	10.515	0.930
	x	132.000	30.310	0.615	10.545	1.000
	x	173.000	30.440	0.655	14.985	1.065
	x	191.000	30.680	0.710	15.040	1.185
	x	211.000	30.940	0.775	15.105	1.315
	x	235.000	31.300	0.830	15.055	1.500
	x	261.000	31.610	0.930	15.155	1.650
	x	292.000	32.010	1.020	15.255	1.850
	x	326.000	32.400	1.140	15.370	2.050
33	x	118.000	32.860	0.550	11.480	0.740
	x	130.000	33.090	0.580	11.510	0.855
	x	141.000	33.300	0.605	11.535	0.960
	x	152.000	33.490	0.635	11.565	1.055
	x	169.000	33.820	0.670	11.500	1.220
	x	201.000	33.680	0.715	15.745	1.150
	x	221.000	33.930	0.775	15.805	1.275
	x	241.000	34.180	0.830	15.860	1.400
	x	263.000	34.530	0.870	15.805	1.570
	x	291.000	34.840	0.960	15.905	1.730
	x	318.000	35.160	1.040	15.985	1.890
	36	x	135.000	35.550	0.600	11.950
x		150.000	35.850	0.625	11.975	0.940
	x	160.000	36.010	0.650	12.000	1.020
	x	170.000	36.170	0.680	12.030	1.100
	x	182.000	36.330	0.725	12.075	1.180

### Wide Flange Beam (cont.)

Size		#/Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
36	x	194.000	36.490	0.765	12.115	1.260
	x	210.000	36.690	0.830	12.180	1.360
	x	230.000	35.900	0.760	16.470	1.260
	x	245.000	36.080	0.800	16.510	1.350
	x	260.000	36.260	0.840	16.550	1.440
	x	280.000	36.520	0.885	16.595	1.570
	x	300.000	36.740	0.945	16.655	1.680
	x	328.000	37.090	1.020	16.630	1.850
40	x	149.000	38.200	0.630	11.810	0.830
	x	167.000	38.590	0.650	11.810	1.025
	x	183.000	38.980	0.650	11.810	1.220
	x	192.000	38.200	0.710	17.710	0.830
	x	199.000	38.670	0.655	15.750	1.065
	x	215.000	38.980	0.650	15.750	1.220
	x	221.000	38.670	0.710	17.710	1.065
	x	244.000	39.060	0.710	17.710	1.260
	x	249.000	39.380	0.750	15.750	1.420
	x	268.000	39.370	0.750	17.750	1.415
	x	277.000	39.690	0.830	15.830	1.575
	x	297.000	39.840	0.930	15.825	1.650
	x	298.000	39.690	0.830	17.830	1.575
	x	324.000	40.160	1.000	15.905	1.810
	x	328.000	40.000	0.910	17.910	1.730

# STANDARD I BEAM



► **IB** Size x #/Ft. x Length

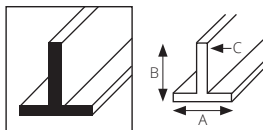
## Standard I Beam

(A) Size		#/Ft.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
3	x	5.70	0.170	2.330	0.260
	x	7.50	0.349	2.509	0.260
4	x	7.70	0.193	2.663	0.293
	x	9.50	0.326	2.796	0.293
5	x	10.00	0.214	3.004	0.326
	x	14.75	0.494	3.284	0.326
6	x	12.50	0.232	3.332	0.359
	x	17.25	0.465	3.565	0.359
7	x	15.30	0.252	3.662	0.392
	x	20.00	0.392	3.860	0.450
8	x	18.40	0.271	4.001	0.425
	x	23.00	0.441	4.171	0.425
10	x	25.40	0.311	4.661	0.491
	x	35.00	0.594	4.944	0.491
12	x	31.80	0.350	5.000	0.544
	x	35.00	0.428	5.078	0.544
	x	40.80	0.460	5.252	0.659
15	x	50.00	0.687	5.477	0.659
	x	42.90	0.411	5.501	0.622
	x	50.00	0.550	5.640	0.622

## Standard I Beam (cont.)

(A) Size		#/Ft.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
18	x	54.70	0.461	6.001	0.691
	x	70.00	0.711	6.251	0.691
20	x	66.00	0.505	6.255	0.795
	x	75.00	0.635	6.385	0.795
	x	86.00	0.660	7.060	0.920
	x	96.00	0.800	7.200	0.920
24	x	80.00	0.500	7.000	0.870
	x	90.00	0.625	7.125	0.870
	x	100.00	0.745	7.245	0.870
	x	106.00	0.620	7.870	1.090
	x	121.00	0.800	8.050	1.090

## T-BAR

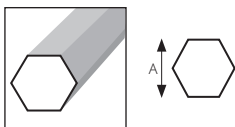


► **TB** Width x Stem Height x Stem Thickness x Length

### T-Bar

(A) Flange Width In.		(B) Stem Height		(C) Stem Thk.	#/Ft.
1 1/2	x	1 1/2	x	3/16	1.900
1 1/2	x	1 1/2	x	1/4	2.430
1 3/4	x	1 3/4	x	3/16	2.260
2	x	2	x	1/4	3.620
2 1/2	x	2 1/2	x	1/4	4.600

# HEX BAR



► **BH** Size x Length

## Hex Bar

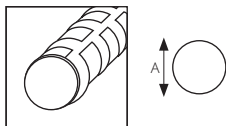
(A) Size	#/Ft.	#/12'	(A) Size	#/Ft.	#/12'
1/4	0.184	2.21	1 1/8	3.727	44.72
5/16	0.288	3.46	1 1/4	4.601	55.21
3/8	0.414	4.97	1 3/8	5.567	66.80
7/16	0.564	6.77	1 1/2	6.625	79.50
1/2	0.736	8.83	1 5/8	7.775	93.30
9/16	0.932	11.18	1 3/4	9.018	108.22
5/8	1.150	13.80	1 7/8	10.350	124.20
11/16	1.392	16.70	2	11.780	141.36
3/4	1.656	19.87	2 1/4	14.910	178.92
7/8	2.254	27.05	2 1/2	18.400	220.80
15/16	2.588	31.06	3	26.500	318.00
1	2.945	35.34			

**“Do what you can, where you are, with what you have.”**

— THEODORE ROOSEVELT



## REBAR

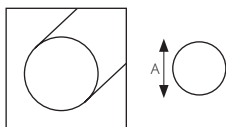


► **RE** No. x Length

### Rebar

(A) No.	Size	#/Ft.	#/20'
3	3/8	0.376	7.52
4	1/2	0.668	13.36
5	5/8	1.043	20.86
6	3/4	1.502	30.04
7	7/8	2.044	40.88
8	1	2.670	53.40

## ROUND BAR



► **BR/BRC** Size x Length

### Round Bar HR & CR

(A) Size	#/Ft.	#/20'
1/8	0.04	0.84
3/16	0.09	1.88
1/4	0.17	3.34

**Round Bar HR & CR (cont.)**

<b>(A) Size</b>	<b>#/Ft.</b>	<b>#/20'</b>
5/16	0.26	5.22
3/8	0.38	7.52
7/16	0.51	10.22
1/2	0.67	13.36
9/16	0.85	16.90
5/8	1.04	20.80
3/4	1.50	30.00
7/8	2.04	40.80
15/16	2.35	47.00
1	2.67	53.40
1 1/8	3.38	67.60
1 3/16	3.77	75.40
1 1/4	4.17	83.40
1 5/16	4.60	92.00
1 3/8	5.05	101.00
1 7/16	5.52	110.40
1 1/2	6.01	120.20
1 5/8	7.05	141.00
1 3/4	8.18	163.60
1 13/16	8.77	175.40
1 7/8	9.39	187.80
1 15/16	10.02	200.40
2	10.68	213.60
2 1/8	12.06	241.20
2 3/16	12.78	255.60
2 1/4	13.52	270.40
2 5/16	14.28	285.60
2 3/8	15.06	301.20

**Round Bar HR & CR (cont.)**

<b>(A) Size</b>	<b>#/Ft.</b>	<b>#/20'</b>
2 7/16	15.87	317.40
2 1/2	16.69	333.80
2 9/16	17.53	350.60
2 5/8	18.40	368.00
2 3/4	20.19	403.80
3	24.03	480.60
3 1/4	28.21	564.20
3 5/16	29.30	586.00
3 3/8	30.42	608.40
3 7/16	31.55	631.00
3 1/2	32.71	654.20
3 9/16	33.89	677.80
3 5/8	35.09	700.18
3 3/4	37.55	751.00
4	42.73	854.60
4 1/8	45.44	908.80
4 3/16	46.83	936.60
4 1/4	48.23	964.60
4 3/8	51.11	1022.20
4 7/16	52.58	1051.60
4 1/2	54.08	1081.60
4 3/4	60.25	1205.00
5	66.76	1335.20
5 1/8	70.14	1402.80
5 1/4	73.60	1472.00
5 3/8	77.15	1543.00
5 7/16	78.95	1579.00
5 1/2	80.78	1615.60

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Continued on next page 32

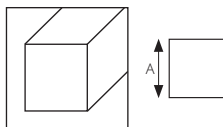
**Round Bar HR & CR (cont.)**

<b>(A) Size</b>	<b>#/Ft.</b>	<b>#/20'</b>
5 5/8	84.49	1689.80
5 3/4	88.29	1765.80
6	96.13	1922.60
6 1/4	104.31	2086.20
6 3/8	108.52	2170.40
6 1/2	112.82	2256.40
6 5/8	117.20	2344.00
6 3/4	121.70	2434.00
7	130.90	2618.00
7 1/4	140.40	2808.00
7 1/2	150.20	3004.00
7 3/4	160.40	3208.00
8	170.90	3418.00
8 1/2	192.93	3858.60
8 3/4	204.50	4090.00
9	216.30	4326.00
9 1/4	228.48	4569.60
9 1/2	241.00	4820.00
10	267.00	5340.00

**"If you do what you always  
did, you will get what you  
always got."**

**— ANONYMOUS**

# SQUARE BAR



► **BS** Size x Length

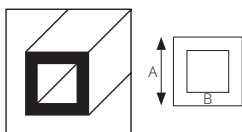
## Square Bar HR & CR

(A) Size	#/Ft.	#/20'	(A) Size	#/Ft.	#/20'
5/16	0.33	6.64	1 3/4	10.42	208.40
3/8	0.48	9.56	2	13.60	272.00
7/16	0.65	13.02	2 1/4	17.21	344.20
1/2	0.85	17.00	2 1/2	21.25	425.00
5/8	1.33	26.60	3	30.60	612.00
3/4	1.91	38.20	3 1/2	41.65	833.00
7/8	2.60	52.00	4	54.40	1088.00
1	3.40	68.00	4 1/2	68.85	1367.00
1 1/8	4.30	86.00	5	85.00	1700.00
1 1/4	5.32	106.40	5 1/2	102.90	2058.00
1 1/2	7.65	153.00	6	122.40	2448.00

**“If you try, you risk failure.  
If you don’t, you ensure it.”**

— ANONYMOUS

# SQUARE TUBING



► **TS** Side x Thickness x Length

## Square Tubing

(A) Side		(B) Thickness	#/Ft.
1/2	x	16g	0.384
3/4	x	16g	0.605
	x	14g	0.753
1	x	16g	0.826
	x	14g	1.035
	x	11g	1.436
1 1/4	x	16g	1.047
	x	14g	1.317
	x	11g	1.844
	x	3/16	2.620
1 1/2	x	16g	1.268
	x	14g	1.599
	x	11g	2.252
	x	3/16	3.220
	x	1/4	4.110
1 3/4	x	14g	1.880
	x	11g	2.660
2	x	16g	1.710
	x	14g	2.164

**Square Tubing (cont.)**

<b>(A) Side</b>		<b>(B) Thickness</b>	<b>#/Ft.</b>
2	x	11g	3.067
	x	3/16	4.320
	x	1/4	5.410
	x	5/16	6.320
2 1/2	x	14g	2.730
	x	11g	3.900
	x	3/16	5.590
	x	1/4	7.110
	x	5/16	8.430
3	x	14g	3.290
	x	11g	4.750
	x	3/16	6.870
	x	1/4	8.810
	x	5/16	10.580
	x	3/8	12.170
3 1/2	x	11g	5.610
	x	3/16	8.150
	x	1/4	10.510
	x	5/16	12.700
4	x	14g	4.420
	x	11g	6.220
	x	3/16	9.420
	x	1/4	12.210
	x	5/16	14.830
	x	3/8	17.270
	x	1/2	21.630
4 1/2	x	11g	7.310

## Square Tubing *(cont.)*

(A) Side	x	(B) Thickness	#/Ft.
4 1/2	x	3/16	10.700
	x	1/4	13.910
	x	5/16	16.960
	x	3/8	19.820
5	x	11g	8.160
	x	3/16	11.970
	x	1/4	15.620
	x	5/16	19.080
	x	3/8	22.370
	x	1/2	28.430
6	x	3/16	14.530
	x	1/4	19.020
	x	5/16	23.340
	x	3/8	27.480
	x	1/2	35.240
	x	5/8	42.300
7	x	3/16	17.080
	x	1/4	22.420
	x	5/16	27.590
	x	3/8	32.580
	x	1/2	42.050
	x	5/8	50.180
8	x	3/16	19.630
	x	1/4	25.820
	x	5/16	31.840
	x	3/8	37.690
	x	1/2	48.850



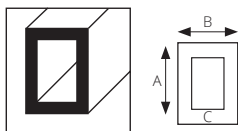
## Square Tubing (cont.)

(A) Side		(B) Thickness	#/Ft.
8	x	5/8	59.320
10	x	3/16	24.730
	x	1/4	32.630
	x	5/16	40.350
	x	3/8	47.900
	x	1/2	62.460
	x	5/8	76.330
12	x	1/4	39.430
	x	5/16	48.860
	x	3/8	58.100
	x	1/2	76.070
	x	5/8	93.340
14	x	5/16	57.360
	x	3/8	68.310
	x	1/2	89.680
16	x	5/16	65.870
	x	3/8	78.520
	x	1/2	105.400

**“Good, better, best. Never let  
it rest. 'Til your good is better  
and your better is best.”**

— ST. JEROME

# RECTANGULAR TUBING



► **TR** Long Side x Short Side x Thickness x Length

## Rectangular Tubing

(A) Long Side		(B) Short Side	(C) Thickness	#/Ft.			
1 1/2	x	1	16g	1.047			
			14g	1.317			
			11g	1.844			
2	x	1	16g	1.268			
			14g	1.599			
			11g	2.252			
			3/16	3.220			
			2	x	1 1/2	14g	1.882
						11g	2.660
2 1/2	x	1 1/2	14g	2.164			
			11g	3.067			
			3/16	4.320			
			1/4	5.410			
			3	x	1	16g	1.710
						14g	2.164
11g	3.067						
3	x	1 1/2	16g	1.932			
			14g	2.450			

## Rectangular Tubing *(cont.)*

(A) Long Side	(B) Short Side	(C) Thickness	#/Ft.	
3	x	1 1/2	11g	3.480
			3/16	4.970
3	x	2	14g	2.730
			11g	3.900
			3/16	5.590
			1/4	7.110
4	x	2	5/16	8.430
			14g	3.290
			11g	4.750
			3/16	6.870
			1/4	8.810
4	x	3	5/16	10.580
			3/8	12.170
			11g	5.610
			3/16	8.150
			1/4	10.510
5	x	2	5/16	12.700
			3/8	14.720
			11g	5.610
			3/16	8.150
			1/4	10.510
5	x	3	5/16	12.700
			3/8	14.710
			11g	6.220
			3/16	9.420
5	x	3	1/4	12.210
			5/16	14.830

## Rectangular Tubing *(cont.)*

(A) Long Side	(B) Short Side	(C) Thickness	#/Ft.	
5	x	3	3/8	17.270
			1/2	21.630
5	x	4	3/16	10.700
			1/4	13.910
			5/16	16.960
			3/8	19.820
6	x	2	11g	6.220
			3/16	9.420
			1/4	12.210
			5/16	14.830
			3/8	17.270
6	x	3	3/16	10.700
			1/4	13.910
			5/16	16.960
			3/8	19.820
6	x	4	1/2	25.030
			3/16	11.970
			1/4	15.620
			5/16	19.080
6	x	4	3/8	22.370
			1/2	28.430
			3/16	11.970
			1/4	15.620
7	x	3	5/16	19.080
			3/8	22.370
			3/16	11.970
7	x	4	3/16	13.250
			1/4	17.320

## Rectangular Tubing *(cont.)*

(A) Long Side	(B) Short Side	(C) Thickness	#/Ft.	
7	x	4	5/16	21.210
			3/8	24.930
7	x	5	3/16	14.530
			1/4	19.020
			5/16	23.340
			3/8	27.480
8	x	2	1/2	35.240
			3/16	11.970
			1/4	15.620
8	x	3	5/16	19.080
			3/8	22.370
			3/16	13.250
8	x	3	1/4	17.320
			5/16	21.210
			3/8	24.930
			1/2	31.840
8	x	4	3/16	14.530
			1/4	19.020
			5/16	23.340
			3/8	27.480
			1/2	35.240
8	x	6	5/8	42.300
			3/16	17.080
			1/4	22.420
8	x	6	5/16	27.590
			3/8	32.580
			1/2	42.050

## Rectangular Tubing *(cont.)*

(A) Long Side	(B) Short Side	(C) Thickness	#/Ft.	
10	x	2	3/16	14.530
			1/4	19.020
10	x	4	3/16	17.080
			1/4	22.420
			5/16	27.590
			3/8	32.580
10	x	5	3/16	18.350
			1/4	24.120
			5/16	29.720
10	x	6	3/16	19.630
			1/4	25.820
			5/16	31.840
			3/8	37.690
10	x	8	3/16	22.180
			1/4	29.290
			5/16	36.380
			3/8	42.790
10	x	8	1/2	55.660

**“Well done is better  
than well said.”**

— BENJAMIN FRANKLIN

## Rectangular Tubing *(cont.)*

(A) Long Side	(B) Short Side	(C) Thickness	#/Ft.
12	x 2	3/16	17.080
		1/4	22.420
		3/8	32.580
		1/2	42.050
12	x 4	3/16	19.630
		1/4	25.820
		5/16	31.840
		3/8	37.690
		1/2	48.850
12	x 6	3/16	22.180
		1/4	29.230
		5/16	36.100
		3/8	42.790
		1/2	55.660
		5/8	67.820
12	x 8	3/16	24.730
		1/4	32.630
		5/16	40.350
		3/8	47.900
		1/2	62.460
		5/8	76.330

# PIPE

## ► BP/BT/BPS/GP/GT Size x Schedule x Length

Pipe Size	Measurement In. (O.D.)	5	10	20	Non-Schedule Pipe Sizes			30
1/8"	0.405	.035	.049					
1/4"	0.540	.049	.065					
3/8"	0.675	.049	.065					
1/2"	0.840	.065	.083					
3/4"	1.050	.065	.083					
1"	1.315	.065	.109					
1 1/4"	1.660	.065	.109					
1 1/2"	1.900	.065	.109					
2"	2.375	.065	.109		.125	.190		
2 1/2"	2.875	.083	.120					
3	3.500	.083	.109		.156			
3 1/2"	4.000	.083	.120		.188			
4"	4.500	.083	.120		.188	.250	.313	
5"	5.563	.109	.134		.188			
6"	6.625	.109	.134		.188	.219	.250	
8"	8.625	.109	.148	.250	.188	.219	.562	.277
10"	10.750	.134	.165	.250	.188	.219		.307
12"	12.750	.165	.180	.250	.219	.312		.330
14"	14.000		.250	.312	.219			.375
16"	16.000		.250	.312	.219	.438		.375
18"	18.000		.250	.312	.625			.438
20"	20.000		.250	<b>.375</b>	.750	.125		<b>.500</b>
22"	22.000		.250	<b>.375</b>	.438			<b>.500</b>
24"	24.000		.250	<b>.375</b>	.625			.562
26"	26.000		.312	<b>.500</b>	.250	.625		
30"	30.000		.312	<b>.500</b>	.438			
36"	36.000		.312	<b>.500</b>	.281			
42"	42.000				.750			
48"	48.000				.625	.750		

If the schedule thickness is in **bold** it signifies that there are two schedules with the same thickness. Both schedules are written as numbers over letters (see *Example A*), along with the mic. reading above the schedule.

**Example A:** BP 12 x sch  $\frac{1.00}{120}$  / XXH x 42'-8"





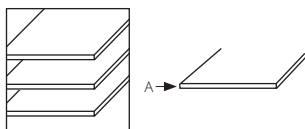
Available in welded and seamless, in black and galvanized, with plain and threaded ends. See Page 58 for Fittings and Flanges.

STD	40	60	XH	80	100	120	140	160	XXH
.068	.068		.095	.095					
.088	.088		.119	.119					
.091	.091		.126	.126					
.109	.109		.147	.147				.187	.294
.113	.113		.154	.154				.218	.308
.133	.133		.179	.179				.250	.358
.140	.140		.191	.191				.250	.382
.145	.145		.200	.200				.281	.400
.154	.154		.218	.218				.344	.436
.203	.203		.276	.276				.375	.552
.216	.216		.300	.300				.438	.600
.225	.225		.318	.318					.636
.237	.237		.337	.337		.438		.531	.674
.258	.258		.375	.375		.500		.625	.750
.280	.280		.432	.432		.562		.719	.854
.322	.322	.406	.500	.500	.594	.719	.812	.906	.875
.365	.365	.500	.500	.594	.719	.844	<b>1.000</b>	1.125	<b>1.000</b>
.375	.406	.562	.500	.688	.844	<b>1.000</b>	1.125	1.312	<b>1.000</b>
.375	.438	.594	.500	.750	.938	1.094	1.250	1.406	
.375	.500	.656	.500	.844	1.031	1.219	1.438	1.594	
.375	.562	.750	.500	.938	1.156	1.375	1.562	1.781	
.375	.594	.812	.500	1.031	1.281	1.500	1.750	1.969	
.375		.875	.500	1.125	1.375	1.625	1.875	2.125	
.375	.688	.969	.500	1.219	1.531	1.812	2.062	2.344	
.375			.500						
.375			.500						
.375	.750		.500						
.375			.500						
.375			.500						

If there is only one schedule size, the schedule is written as numbers over letters (see Example B), along with the mic. reading above the schedule.

**Example B:** BP 4 x <sup>0.083</sup>sch 5 x 21' 3"

# SHEET



► **SH** Thickness x Width x Length (*in Inches*)

## Carbon Steel

(A) Gauge Thk.	Inches	#/Sq.Ft.
10	0.134	5.625
11	0.119	5.000
12	0.104	4.375
14	0.074	3.125
16	0.059	2.500
18	0.047	2.000
20	0.035	1.500
22	0.029	1.250
24	0.023	1.000
26	0.017	0.750
28	0.014	0.625
30	0.012	0.500

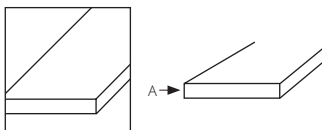
## Galvanized

(A) Thickness In.	#/Sq.Ft.
0.138	5.781
0.123	5.156
0.108	4.531
0.078	3.281
0.063	2.656
0.051	2.156
0.039	1.656
0.033	1.406
0.027	1.156
0.021	0.906
0.018	0.781
0.015	0.656

**“You must be the change you wish to see in the world.”**

— GANDHI

# PLATE

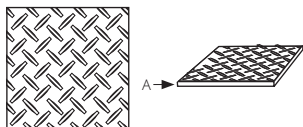


► **PL** Thickness x Width x Length (in Inches)

## PLATE

(A) Thickness	#/Sq.Ft.	(A) Thickness	#/Sq.Ft.
3/16	7.66	2 1/2	102.10
1/4	10.21	2 3/4	112.31
5/16	12.76	3	122.52
3/8	15.32	3 1/4	132.73
7/16	17.87	3 1/2	142.93
1/2	20.42	3 3/4	153.15
5/8	25.52	4	163.35
3/4	30.63	4 1/2	183.80
7/8	35.73	5	204.20
1	40.84	5 1/2	224.62
1 1/8	45.94	6	245.04
1 1/4	51.05	6 1/2	265.45
1 3/8	56.16	7	285.87
1 1/2	61.26	8	326.71
1 3/4	71.47	9	367.55
2	81.68	10	408.38
2 1/8	86.78	12	490.06
2 1/4	91.89		

# FLOOR PLATE



► **FP** Thickness x Width x Length (*in Inches*)

## Floor Plate

(A) Thickness #/Sq.Ft.

16g 3.000

14g 3.750

1/8 6.160

3/16 8.710

1/4 11.260

5/16 13.810

(A) Thickness #/Sq.Ft.

3/8 16.370

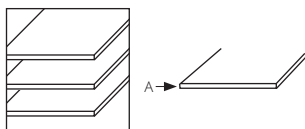
1/2 21.470

5/8 26.580

3/4 31.680

1 41.890

## ALUMINUM SHEET



► **SHA** Thickness x Width x Length

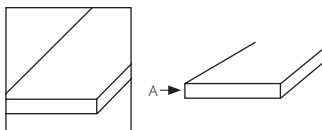
### Aluminum Sheet

(A) Thickness In.	#/Sq.Ft.	(A) Thickness In.	#/Sq.Ft.
0.032	.447	0.080	1.117
0.040	.559	0.090	1.257
0.050	.698	0.100	1.397
0.063	.880	0.125	1.746

**“Good things come to people who wait, but better things come to those who go out and get them.”**

— ANONYMOUS

# ALUMINUM PLATE

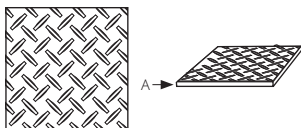


► **PLA** Thickness x Width x Length

## Aluminum Plate

(A) Thickness	#/Sq.Ft.	(A) Thickness	#/Sq.Ft.
3/16	2.641	1 3/4	24.70
1/4	3.528	2	28.22
5/16	4.417	2 1/4	31.75
3/8	5.292	2 1/2	35.28
1/2	7.056	3	42.34
5/8	8.820	3 1/2	49.39
3/4	10.584	4	56.45
7/8	12.315	4 1/2	63.50
1	14.11	5	70.56
1 1/4	17.64	6	84.67
1 1/2	21.17		

## ALUMINUM FLOOR PLATE



► **FP** Thickness x Width x Length (*in Inches*)

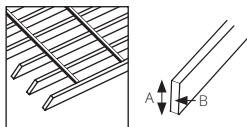
### Aluminum Floor Plate

(A) Thickness	#/Sq.Ft.	(A) Thickness	#/Sq.Ft.
1/8	2.000	3/8	5.600
3/16	3.000	1/2	7.300
1/4	3.900		

**“If you are not willing to risk  
the usual you will have to  
settle for the ordinary.”**

—JIM ROHN

# BAR GRATING



► **BGUS\*** Bar Height x Bar Thickness x Width x Length (*in Inches*)  
**\*BGUN/BGGS/BGGN**

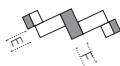
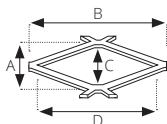
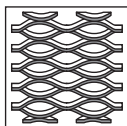
## Carbon Steel - 19W4 Spacing

(A) Bar Height	(B) Bar Thickness	#/Sq.Ft.
3/4	x 1/8	3.90
3/4	x 3/16	5.60
1	x 1/8	5.00
1	x 3/16	7.20
1	x 1/4	9.50
1 1/4	x 1/8	6.10
1 1/4	x 3/16	8.90
1 1/4	x 1/4	11.40
1 1/2	x 1/8	7.20
1 1/2	x 3/16	10.50
1 1/2	x 1/4	13.50
2	x 3/16	13.90
2	x 1/4	18.10

*Other bar spacing available with special order.  
 We can fabricate to client specifications.*



# EXPANDED METAL



► **XM** Size x Width x Length (in Inches)

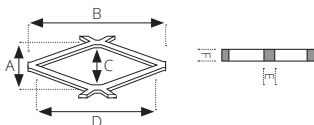
## Regular Expanded Metal • Carbon Steel ASTM A569/569M

Size	Wgt. in Lbs. per C.S.F		Center to Center		Size of Opening		Size of Strands	
	Plain	Galv.	(A) Width	(B) Length	(C) Width	(D) Length	(E) Width	(F) Thk.
1/4"	#18	114 171	0.255	1.00	0.172	0.719	0.073	0.048
1/2"	#18	70 85	0.500	1.20	0.438	0.938	0.088	0.048
	#13	147 173	0.500	1.20	0.313	0.938	0.096	0.092
3/4"	#16	54 65	0.923	2.00	0.813	1.750	0.099	0.060
	#13	80 92	0.923	2.00	0.750	1.688	0.096	0.092
	#9	180 195	0.923	2.00	0.688	1.563	0.148	0.134
1"	#16	44 51	1.090	2.40	1.000	2.063	0.096	0.060
1 1/2"	#13	60 68	1.330	3.00	1.188	2.500	0.104	0.092
	#9	120 131	1.330	3.00	1.125	2.375	0.142	0.135
	#6	250 273	1.330	3.00	1.000	2.313	0.201	0.198

**“Success is the sum of small efforts, repeated day-in and day-out.”**

— ROBERT COLLIER

## Expanded Metal (cont.)



► **XMF** Size x Width x Length (in Inches)

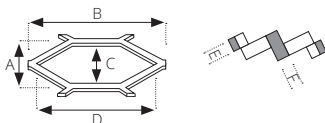
## Flattened Expanded Metal • Carbon Steel ASTM A569/569M

Size	Wgt. in Lbs. per C.S.F		Center to Center		Size of Opening		Size of Strands	
	Plain	Galv.	(A) Width	(B) Length	(C) Width	(D) Length	(E) Width	(F) Thk.
1/4"	#18	111 165	0.255	1.03	0.094	0.688	0.086	0.040
1/2"	#18	66 88	0.500	1.26	0.281	1.000	0.109	0.039
	#13	140 162	0.500	1.26	0.250	1.000	0.122	0.070
3/4"	#16	51 61	0.923	2.10	0.750	1.750	0.115	0.048
	#13	75 86	0.923	2.10	0.688	1.782	0.119	0.070
	#9	171 186	0.923	2.10	0.563	1.688	0.164	0.120
1"	#16	41 50	1.090	2.56	0.875	2.250	0.115	0.048
1 1/2"	#13	57 68	1.330	3.20	1.063	2.750	0.138	0.070
	#9	111 128	1.330	3.20	1.000	2.563	0.175	0.110
	#6	221 267	1.330	3.20	1.000	2.563	0.195	0.170

**"Action is the foundational  
key to all success."**

— PABLO PICASSO

## Expanded Metal (cont.)



► **XG** Size x Width x Length (in Inches)

## Expanded Metal Grating • Carbon Steel ASTM A569/569M

Size	Wgt. in Lbs. Center to Center		Size of Opening				Size of Strands		
	Plain	Galv.	(A) Width	(B) Length	(C) Width	(D) Length	(E) Width	(F) Thk.	
#3.00	300	320	1.333	5.33	0.938	3.438	0.261	0.183	0.040
#3.14	314	334	2.000	6.00	1.625	4.875	0.308	0.250	0.039
#4.00	400	430	1.333	5.33	0.938	3.438	0.297	0.215	0.070
#4.27	427	457	1.412	4.00	1.000	2.875	0.297	0.250	0.048
#5.00	500	550	1.333	5.33	0.813	3.375	0.327	0.250	0.070
#6.25	625	685	1.412	5.33	0.813	3.375	0.347	0.312	0.120
#7.00	700	750	1.412	5.33	0.813	3.375	0.388	0.312	0.048

## Stock Sizes

### Sheet, Plate, Expanded Metal & Grating

Width	48"	60"	72"	96"	120"
Length	96"	120"	144"	240"	480"

### Angle, Channel, Flatbar, Round bar, Square bar, TBAR

Length	20'	40'
--------	-----	-----

### Pipe

Length	21'	42'
--------	-----	-----

### Square & Rectangle Tube

Length	20'	24'	40'	48'
--------	-----	-----	-----	-----

# PIPE FITTINGS AND FLANGES

See pages 45-46 for available pipe sizes.

Tees



(FLB)  
Blind  
Flanges



90° Elbows  
Long Radius



Crosses



(FLJ)  
Lap Joint  
Flanges



90° Reducing  
Elbows  
Long Radius



Concentric  
Reducers



(FLTH)  
Threaded  
Flanges



3R Elbows  
45° & 90°



Eccentric  
Reducers



(FLS)  
Slip-On  
Flanges



90° Elbows  
Short Radius



Caps



(FLSW)  
Socket Weld  
Flanges



45° Elbows  
Long Radius



Lap Joint  
Stub Ends



(FLW)  
Weldneck  
Flanges



180° Returns  
Long & Short  
Radius



We stock gaskets and STUDS  
to go with OUR flanges.

## Decimal and Metric Equivalents of Fractions of an Inch

Fraction Inch	Decimal Inch	Millimeters	Fraction Inch	Decimal Inch	Millimeters
1/64	.015625	0.39688	33/64	.515625	13.09690
1/32	.03125	0.79375	17/32	.53125	13.49378
3/64	.046875	1.19063	35/64	.546875	13.89065
1/16	.0625	1.58750	9/16	.5625	14.28753
5/64	.078125	1.98438	37/64	.578125	14.68440
3/32	.09375	2.38125	19/32	.59375	15.08128
7/64	.109375	2.77813	39/64	.609375	15.47816
1/8	.1250	3.17501	5/8	.6250	15.87503
9/64	.140625	3.57188	41/64	.640625	16.27191
5/32	.15625	3.96876	21/32	.65625	16.66878
11/64	.171875	4.36563	43/64	.671875	17.06566
3/16	.1875	4.76251	11/16	.6875	17.46253
13/64	.203125	5.15939	45/64	.703125	17.85941
7/32	.21875	5.55626	23/32	.71875	18.25629
15/64	.234375	5.95314	47/64	.734375	18.65316
1/4	.2500	6.35001	3/4	.7500	19.05004
17/64	.265625	6.74689	49/64	.765625	19.44691
9/32	.28125	7.14376	25/32	.78125	19.84379
19/64	.296875	7.54064	51/64	.796875	20.24067
5/16	.3125	7.93752	13/16	.8125	20.63754
21/64	.328125	8.33439	53/64	.828125	21.03442
11/32	.34375	8.73127	27/32	.84375	21.43129
23/64	.359375	9.12814	55/64	.859375	21.82817
3/8	.3750	9.52502	7/8	.8750	22.22504
25/64	.390625	9.92189	57/64	.890625	22.62192
13/32	.40625	10.31877	29/32	.90625	23.01880
27/64	.421875	10.71565	59/64	.921875	23.41567
7/16	.4375	11.11252	15/16	.9375	23.81255
29/64	.453125	11.50940	61/64	.953125	24.20942
15/32	.46875	11.90627	31/32	.96875	24.60630
31/64	.484375	12.30315	63/64	.984375	25.00318
1/2	.5000	12.70003	1	1.0000	25.40005

## PIPE TOLERANCES

Covers Welded, Seamless and Galvanized  
1/8"-26" Schedules 10 through 160

**Wall thickness**                      **Over 5%**                      **Under 12.50%**

## HR/CR/GALVANIZED SHEET, PLATE & FLOOR PLATE TOLERANCES

<b>Gauge</b>	<b>Decimal Equivalent</b>	<b>HR Sheet Tolerance Range</b>
7	.1793	.172 - .186
8	.1644	.157 - .171
10	.1345	.127 - .141
11	.1196	.112 - .126
12	.1046	.097 - .111
14	.0747	.068 - .080
16	.0598	.054 - .064
18	.0478	.043 - .051
20	.0359	.029 - .039

<b>Gauge</b>	<b>Decimal Equivalent</b>	<b>CR Sheet Tolerance Range</b>
10	.1345	.129 - .139
11	.1196	.114 - .124
12	.1046	.099 - .109
14	.0747	.070 - .078
16	.0598	.055 - .063
18	.0478	.044 - .050
20	.0359	.033 - .037

<b>Gauge</b>	<b>Decimal Equivalent</b>	<b>Galvanized Sheet Tolerance Range</b>
10	.1382	.130 - .146
11	.1233	.115 - .131
12	.1084	.110 - .116
13	.0934	.086 - .100
14	.0785	.071 - .085
15	.0710	.066 - .076
16	.0635	.058 - .068
17	.0575	.053 - .061
18	.0516	.047 - .055
19	.0456	.041 - .049
20	.0396	.036 - .042

## HR/CR/GALVANIZED SHEET, PLATE & FLOOR PLATE TOLERANCES

Gauge	Nominal Equivalent	Floor Plate Tolerance Range CUT FROM COIL
16	.0600	.049 - .071
14	.0750	.064 - .086
12	.1050	.092 - .118
1/8	.1250	.112 - .138
3/16	.1875	.173 - .201
1/4	.2500	.234 - .266
3/8	.3750	.358 - .392
1/2	.5000	.481 - .519

Gauge	Nominal Equivalent	Plate Tolerance Range UP TO 84" WIDE	Plate Tolerance Range UP TO 96" WIDE	Plate Tolerance Range UP TO 120" WIDE
3/16	.1875	.178 - .216	.178 - .216	.178 - .216
1/4	.2500	.240 - .279	.240 - .279	.240 - .289
5/16	.3125	.303 - .341	.303 - .341	.303 - .351
3/8	.3750	.365 - .404	.365 - .404	.365 - .414
7/16	.438	.428 - .468	.428 - .468	.428 - .468
1/2	.5000	.490 - .529	.490 - .529	.490 - .539
5/8	.6250	.615 - .654	.615 - .664	.615 - .664
3/4	.7500	.740 - .789	.740 - .789	.740 - .799

**“The successful warrior  
is the average man, with  
laser-like focus.”**

— BRUCE LEE

## RECTANGULAR, SQUARE AND ROUND TUBING TOLERANCES

Gauge	Nominal Thickness	Tolerance Range
20	.035	.032 - .039
18	.049	.044 - .054
16	.065	.059 - .072
15	.072	.065 - .079
14	.083	.075 - .091
13	.095	.086 - .105
12	.109	.098 - .120
11	.120	.108 - .132
10	.134	.121 - .147
3/16	.188	.169 - .206
1/4	.250	.225 - .275
5/16	.313	.281 - .344
3/8	.375	.338 - .413
1/2	.500	.450 - .550

## CUTTING TIPS

Metal Thickness	Tip Size	Cutting Oxygen (PSIG)	Preheat Fuel Gas (PSIG)	Speed I.P.M.	Kerf Width
1/8"	000	20/25	3/5	24/28	.04
1/4"	00	20/25	3/5	21/25	.05
3/8"	0	20/25	3/5	20/24	.06
1/2"	0	30/35	3/5	18/22	.06
3/4"	1	30/35	3/6	15/20	.08
1"	2	35/40	3/6	14/18	.09
1 1/2"	2	40/45	5/9	12/16	.09
2"	3	40/45	5/9	10/14	.10
2 1/2"	3	40/45	6/10	9/12	.10
3"	4	40/50	8/12	8/11	.12
4"	5	45/55	8/12	7/10	.14
5"	5	50/55	8/12	6/9	.14
6"	6	45/55	10/15	5/7	.17
8"	6	55/65	10/15	4/6	.18
12"	8	60/70	10/15	3/5	.27



# WE'RE YOUR ALLY

for Prime and Less-Than Prime<sup>®</sup>  
industrial products and services.

---

## Texas Iron & Metal provides the following:

- **FREE** delivery in Houston with minimum order of \$400!
- **FREE** advance ordering pick up service
- **FAST** on-site loading
- **EASY** access to our superior selection and hard-to-find items
- **FAST** same- and next-day delivery
- **KNOWLEDGEABLE** and experienced sales associates
- **TAILORED** orders to fit your specifications and budget
- **AVAILABLE** saw and flame cutting services for your order
- **NEW SERVICES NOW AVAILABLE** include saw-cutting and shearing. Saw-cutting for various steel shapes including pipe, beams, angles, tubing, channel or bundles up to 25" x 25". Shearing material up to 12' wide and 3/16" to 1/2" thick for clean and straight edges.

## ORDER WRITE-UP PROCEDURE

<u>1/4/06</u>			<u>6V</u>
Date:			Initials:
Type:		<u>BF 3/16" X 2"</u>	
Qty:	<u>1</u>	Size:	<u>20'</u>
Prime:	Prime Drop	LTP <sup>®</sup>	LTP <sup>®</sup> Drop
Notes:	<u>302A, CUT IN HALF</u>		
<hr/>			
Type:		<u>PL6 1/2"</u>	
Qty:	<u>1</u>	Size:	<u>24" X 32"</u>
Prime:	Prime Drop	LTP <sup>®</sup>	LTP <sup>®</sup> Drop
Notes:	<u>Y5-2A</u>		

## Instructions

**ALL information must be clearly written on ticket.**

- 1) Write the **DATE** in the space provided.
- 2) Write in your **INITIALS** in the space provided.
- 3) Fill in the **TYPE** box with the Abbreviation (Abbr) and the Type material as noted below:  
**NOTE:** *If the material is Galvanized or a special alloy i.e. stainless steel, aluminum, etc. it must be noted in the Type section.*
- 4) Write in the **QUANTITY** of pieces in the space provided.
- 5) Fill in the **SIZE** with the length or dimensions in the space provided the size box. (Examples Above)
- 6) Circle either **PRIME, PRIME DROP, LTP<sup>®</sup>, OR LTP<sup>®</sup> DROP**  
**NOTE:** *A drop is considered anything that is not a standard length or (width x Length) dimension.*
- 7) Fill in the **NOTES** section with the location if the material is cut or you need to inform the inside salesperson of anything.
- 8) **Tell the customer "Thank You"** and let him or her know where to take the ticket.

# MATERIAL TYPES

CATEGORY	ITEM	PREFIX	PROPER WRITE UP	EXAMPLE
STRUCTURALS	Angle(Unequal Leg)	AN	Long Leg x Short Leg x Thickness x Length	AN 3 1/2 x 3 x 1/4 x 18'-2"
	Square Tubing	TS	Side x Thickness x Length	TS 4 x 3/8 x 20'
	Rectangular Tubing	TR	Long Side x Short Side x Thickness x Length	TR 6 x 4 x 1/4 x 15'-6"
	Channel	CH	Size x #/FL x Length	CH 3 x 5# x 20'
	Bar Channel	CHB	Size x Flange x Web Thickness x Length	CHB 2 x 1 x 1/8 x 20'
	Misc. Channel	MC	Size x #/FL x Length	MC 6 x 15.1# x 40'
	Wide Flange Beam	WF	Size x #/FL x Length	WF 6 x 12# x 42'-6"
	I Beam	IB	Size x #/FL x Length	IB 3 x 5.7# x 20'
	T-Bar	TB	Width x Stem Height x Stem Thickness X Length	TB 2 x 2 x 1/4 x 21'-4"
	BAR	Flat Bar	BF	Size x Width x Length
Round Bar (Hot Rolled)		BR	Size x Length	BR 1/2 x 19'-11"
Round Bar (Cold Rolled)		BRC	Size x Length	BRC 3/8 x 21'-1"
Square Bar		BS	Size x Length	BS 1 x 20'
Hex Bar		BH	Size x Length	BH 1 3/8 x 19'-1"
UM Plate		UM	Size x Width x Length	UM 3/4 x 10 x 20'
PLATE/SHEET	Plate (Smooth)	PL	Thickness x Width x Length	PL 1/4 x 60 x 120
	Sheet	SH	Thickness x Width x Length	SH 11G x 60 x 96
PIPE	Floor Plate	FP	Thickness x Width x Length	FP 1/2 x 48 x 96
	Black Pipe (Welded)	BP	Size x Schedule x Length	BP 6 x sch 40 x 22'-8"
	Black Pipe (Threaded )	BT	Size x Schedule x Length	BT 2 x sch 40 x 21'
	Black Pipe (Seamless)	BPS	Size x Schedule x Length	BPS 4 x sch 160 x 21'-8"
	Galvanized Pipe (Welded)	GP	Size x Schedule x Length	GP 8 x sch 40 x 18'-6"
	Galvanized Pipe (Threaded)	GT	Size x Schedule x Length	GT 8 x sch 40 x 18'-6"
ROUND TUBING	Round Tubing	TRM	OD x Wall Thickness x Length	TRM 9 7/8 x .350 x 5'-6"
	Expanded Metal - Standard	XMI	Size x Width x Length	XMI 1/4 #20 x 48 x 96
EXPANDED METAL	Expanded Metal - Flattened	XMF	Size x Width x Length	XMF 3/4 #9 x 48 x 96
	Expanded Metal - Grating	XG	Size x Width x Length	XG #4.27 x 60 x 120
BAR GRATING	Bar Grating (Serrated )	BGUS	Bar Height x Bar Thickness x Width x Length	BGUS 1 x 3/16 x 36 x 240 Serr
	Bar Grating (Non - Serrated)	BGUN	Bar Height x Bar Thickness x Width x Length	BGUN 1 x 3/16 x 36 x 240
	Bar Grating (Serrated & Galv)	BGGS	Bar Height x Bar Thickness x Width x Length	BGGS 1 x 3/16 x 36 x 240 Galv Serr
	Bar Grating (Non - Serrated & Galv)	BGGN	Bar Height x Bar Thickness x Width x Length	BGGN 1 x 3/16 x 36 x 240 Galv
	Rebar	RE	No. x Length	RE #3 x 20'
C PURLIN	C Purlin	CP	Width x Flange Height x Thickness x Length	CP 6 x 2 x 14G x 25'

**ALUMINUM MATERIALS**  
add an "A"  
to the Prefix.

**GALVANIZED MATERIALS**  
add an "G"  
to the Prefix.

**STAINLESS MATERIALS**  
add an "S"  
to the Prefix.

*Exception:*  
**Aluminum Pipe (PIPA)**

**Stainless Pipe (PIPS)**

**SHEET, PLATE, ANGLES, TUBING, & FLATS**

0.125	1/8	Red	1.250	1 1/4"	White
0.188	3/16	Yellow	1.375	1 3/8"	Green
0.250	1/4	White	1.500	1 1/2"	Red
0.313	5/16	Blue	1.750	1 3/4"	Black
0.375	3/8	Green	2.000	2"	Yellow
0.438	7/16	Orange	0.018	26 Gauge	Purple
0.500	1/2	Red	0.024	24 Gauge	Orange
0.563	9/16	Purple	0.030	22 Gauge	Black
0.625	5/8	Silver	0.036	20 Gauge	Green
0.688	11/16	Fluorescent Green	0.047	18 Gauge	Yellow
0.750	3/4	Black	0.065	16 Gauge	Blue
0.813	13/16	Orange	0.075	14 Gauge	White
0.875	7/8	Brown	0.105	12 Gauge	Black
0.938	15/16	Purple	0.120	11 Gauge	Red
1.000	1"	Yellow	0.134	10 Gauge	Green
1.125	1 1/8"	Red			

**PIPE CODES**

STD (Sch 40) up to 10"	Blue
XH (Sch 80) up to 8"	White

**COLORS CODES FOR PIPE**

5	Red
10	Yellow
20	Blue White
30	Yellow White
40	Red White
STD	Blue
60	Orange
80	Purple
XH	White
3/4	Black
100	Blue Green
120	Black
140	Silver
160	Green
XXH	Brown

**ADDED COLORS TO PIPE CODES**

Seamless	Red Stripe
Aluminum	Orange Stripe
Stainless	Purple Stripe

**MISC. ALLOYS**

Aluminum	Orange
All Stainless	Purple
Stainless 304 Add	Blue Dot
Stainless 316 Add	Green Dot
Cold Roll	Blue Stripe

**EXPANDED METAL COLOR CODE**

**FLAT** (All Flat Material will have a Blue Stripe)

1/4" - #18 Flat	Black	Blue
1/2" - #16 Flat	Silver	Blue
1/2" - #18 Flat	Orange	Blue
1/2" - #13 Flat	Purple	Blue
3/4" - #9 Flat	White	Blue
3/4" - #13 Flat	Yellow	Blue
1 1/2" - #6 Flat	Black	Blue
1 1/2" - #9 Flat	Silver	Blue
1 1/2" - #13 Flat	Red	Blue
1 1/2" - #16 Flat	Green	Blue
1 1/2" - #18 Flat	Brown	Blue

**STANDARD**

1/2" - #18 Std	Orange
1/2" - #13 Std	Purple
3/4" - #9 Std	White
3/4" - #13 Std	Yellow
1 1/2" - #16 Std	Green
1" - #13 Std	Red
1 1/2" - #9 Std	Silver
1 1/2" - #6 Std	Black
2" - #9 Std	Brown

**GRATING**

3.0#	Red
3.14#	Blue
4.0#	Green
4.27#	Yellow
5.0#	White
6.25#	Orange
7.0#	Black

LTP

LTP with certs