

BASTA BAKAL

OUR PARTNERSHIP. YOU SUCCESS. OUR LEGACY.



PRODUCT HANDBOOK

About Us

Regan Industrial Sales, Incorporated is a trusted steel provider established in 1968. Over the years, Regan has been supplying various steel plates, sections, pipes and tubing, bars, rods, and other novel steel products across a multi-sectoral market in the country.

Regan Industrial Sales, Incorporated provides superior services to contractors, manufacturing, mining, retail, and other industries, serving both the domestic and international sectors. Our company always brings a fresh and innovative approach to selling steel products.

We will venture to maintain our undisputed character as a leading steel supplier in the Philippines notwithstanding the ever-changing market conditions and customer needs. Currently, our company can efficiently deliver and extend a complete suite of services and products in far-off areas within the country after establishing three satellite hubs in Manila, Cebu, and Davao in order to customize and integrate logistics solutions in Luzon, Visayas, and Mindanao regions, respectively.

OUR PARTNERSHIP.
YOUR SUCCESS. OUR LEGACY.

TRUSTED STEEL PROVIDER
SINCE 1968

we are **STEEL & MORE...**

Our Services

It is our goal to exceed the expectations of every client by offering outstanding customer service, increased flexibility, and greater value for your steel requirements.

We provide superior services to contractors, manufacturing, mining, retail, and other industries, serving both the domestic and international sectors. Our people are distinguished by their passion and technical expertise combined with their hands-on experience, thereby ensuring that our clients receive the best possible service.



REGAN VALUES **PARTNERSHIPS**

Regan firmly believes that the core of our business is the RSK family: the reliable suppliers, our dynamic-thinking people, and our valued clients. We place an ardent focus and commitment in improving the ways in which our partners are supported and appreciated in order to cultivate a culture that is focused on creating a positive influence on the lives of the RSK family.



REGAN OFFERS **CONVENIENCE**

Regan takes pride in customizing your needs. Aside from offering superior service at competitive prices and producing time-tested steel products, we offer absolute convenience through being a one-stop shop for steel products that ensures an unmatched and time-definite delivery service all over the archipelago.



REGAN PROVIDES **VARIETY and CHOICES**

Our ability to seek a diversity of options over time for our clients has established Regan as one of the most respected steel suppliers in the Philippines -- providing services and products made of superior materials and outstanding customer service.



REGAN ANTICIPATES **INNOVATIVE SOLUTIONS**

As we move forward towards innovation, our company is constantly exploring in expanding its wide and varied selection of products, services, and systems that adhere to the highest standards in order to provide solutions for your different and changing needs.

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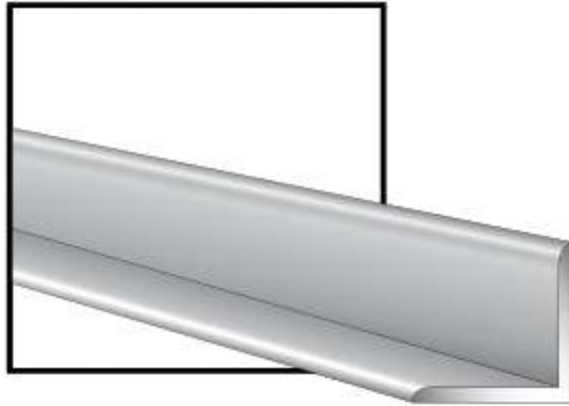
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ANGLE BARS



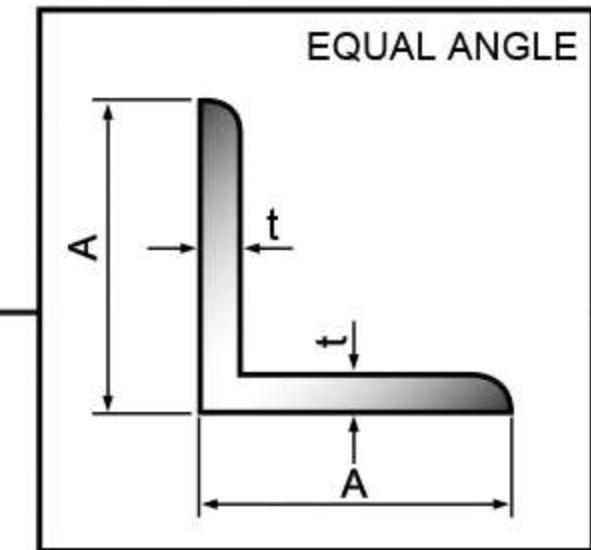
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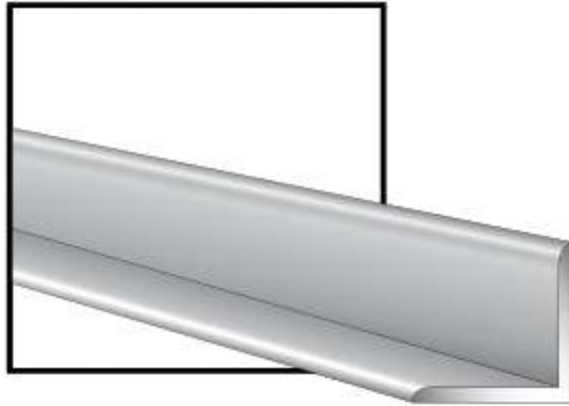
ANGLE BAR - EQUAL LEG

Philippine National Standard (PNS 657:2008)

Table 1 :
Dimensions and sectional properties of hot-rolled equal-leg angle bars



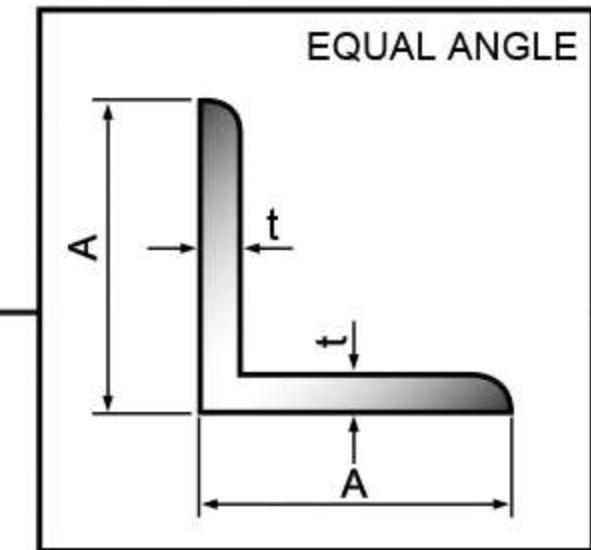
Size		Mass	Dimensions			Weight per 6m kg
mm	Thickness mm	kg/m	A mm	t mm	r _{root} mm	
20 x 20	2.0	0.61	20	2.0	3.5	3.660
	3.0	0.88	20	3.0	3.5	5.280
25 x 25	2.0	0.76	25	2.0	3.5	4.560
	2.5	0.94	25	2.5	3.5	5.640
	3.0	1.12	25	3.0	3.5	6.720
	3.5	1.29	25	3.5	3.5	7.740
	4.0	1.45	25	4.0	3.5	8.700
	5.0	1.78	25	5.0	3.5	10.680
	6.0	2.08	25	6.0	3.5	12.480
30 x 30	2.0	0.93	30	2.0	5.0	5.580
	3.0	1.36	30	3.0	5.0	8.160
	3.5	1.57	30	3.5	5.0	9.420
	4.0	1.78	30	4.0	5.0	10.680
	5.0	2.18	30	5.0	5.0	13.080
	6.0	2.56	30	6.0	5.0	15.360
35 x 35	4.0	2.09	35	4.0	5.0	12.540
	5.0	2.57	35	5.0	5.0	15.420
38 x 38	2.0	1.19	38	2.0	6.0	7.140
	2.5	1.47	38	2.5	6.0	8.820
	3.0	1.75	38	3.0	6.0	10.500
	3.5	2.02	38	3.5	6.0	12.120
	4.0	2.29	38	4.0	6.0	13.740
	4.5	2.56	38	4.5	6.0	15.360
	5.0	2.82	38	5.0	6.0	16.920
	6.0	3.33	38	6.0	6.0	19.980
50 x 50	2.5	1.95	50	2.5	7.0	11.700
	3.0	2.33	50	3.0	7.0	13.980
	3.5	2.69	50	3.5	7.0	16.140
	4.0	3.06	50	4.0	7.0	18.360
	4.5	3.41	50	4.5	7.0	20.460



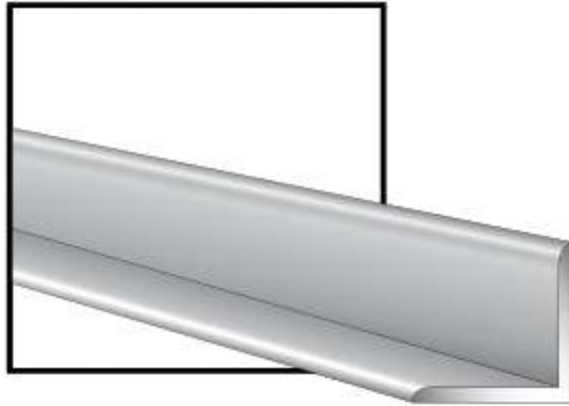
ANGLE BAR - EQUAL LEG

Philippine National Standard (PNS 657:2008)

Table 1 :
Dimensions and sectional properties of hot-rolled equal-leg angle bars



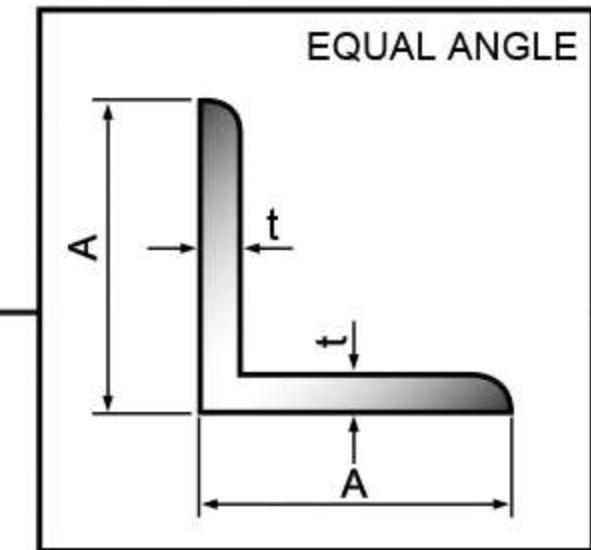
Size		Mass	Dimensions			Weight per 6m kg
mm	Thickness mm	kg/m	A mm	t mm	r _{root} mm	
50 x 50	5.0	3.77	50	5.0	7.0	22.620
	6.0	4.47	50	6.0	7.0	26.820
	7.0	5.15	50	7.0	7.0	30.900
	8.0	5.82	50	8.0	7.0	34.920
	9.0	6.47	50	9.0	7.0	38.820
63.5 x 63.5	4.0	3.90	63.5	4.0	7.0	23.400
	4.5	4.37	63.5	4.5	7.0	26.220
	5.0	4.83	63.5	5.0	7.0	28.980
	6.0	5.74	63.5	6.0	7.0	34.440
	7.0	6.64	63.5	7.0	7.0	39.840
	8.0	7.51	63.5	8.0	7.0	45.060
	9.0	8.38	63.5	9.0	7.0	50.280
	11.0	10.06	63.5	11.0	7.0	60.360
75 x 75	3.5	4.09	75	3.5	9.0	24.540
	4.0	4.65	75	4.0	9.0	27.900
	4.5	5.21	75	4.5	9.0	31.260
	5.0	5.76	75	5.0	9.0	34.560
	6.0	6.85	75	6.0	9.0	41.100
	7.0	7.93	75	7.0	9.0	47.580
	8.0	8.99	75	8.0	9.0	53.940
	9.0	10.03	75	9.0	9.0	60.180
	11.0	12.07	75	11.0	9.0	72.420
90 x 90	7.0	9.61	90	7.0	11.0	57.660
	8.0	10.90	90	8.0	11.0	65.400
	9.0	12.18	90	9.0	11.0	73.080
	10.0	13.45	90	10.0	11.0	80.700
100 x 100	5.5	8.52	100	5.5	12.0	51.120
	6.0	9.26	100	6.0	12.0	55.560
	7.0	10.73	100	7.0	12.0	64.380
	7.5	11.45	100	7.5	12.0	68.700
	8.0	12.18	100	8.0	12.0	73.080



ANGLE BAR - EQUAL LEG

Philippine National Standard (PNS 657:2008)

Table 1 :
Dimensions and sectional properties of hot-rolled equal-leg angle bars



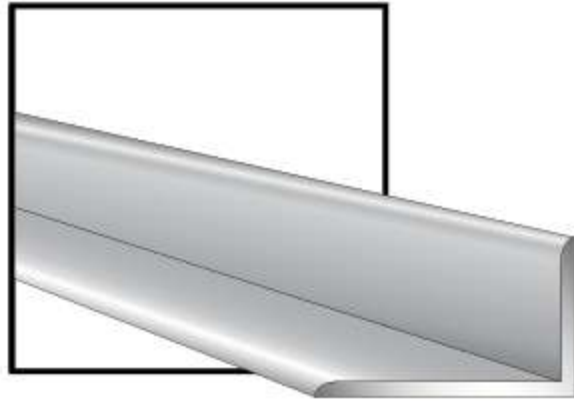
Size		Mass	Dimensions			Weight per 6m kg
mm	Thickness mm	kg/m	A mm	t mm	r _{root} mm	
100 x 100	9.0	13.62	100	9.0	12.0	81.720
	10.0	15.04	100	10.0	12.0	90.240
	12.0	17.83	100	12.0	12.0	106.980
125 x 125	8.0	15.34	125	8.0	13.0	92.040
	10.0	18.98	125	10.0	13.0	113.880
	12.0	22.56	125	12.0	13.0	135.360
150 x 150	10.0	22.98	150	10.0	16.0	137.880
	12.0	27.35	150	12.0	16.0	164.100
	15.0	33.77	150	15.0	16.0	202.620
200 x 200	16.0	48.50	200	16.0	18.0	291.000
	20.0	59.93	200	20.0	18.0	359.580
	24.0	71.11	200	24.0	18.0	426.660
250 x 250	28.0	104.02	250	28.0	18.0	624.120
	35.0	128.03	250	35.0	18.0	768.180

Other sizes not specified in the scope of this table can be custom-made.

NOTE 1 Equal leg hot-rolled angle bar specifications falls under the DTI BPS mandatory certification scheme.

NOTE 2 Mechanical and chemical properties can be made available upon request from the DTI BPS.

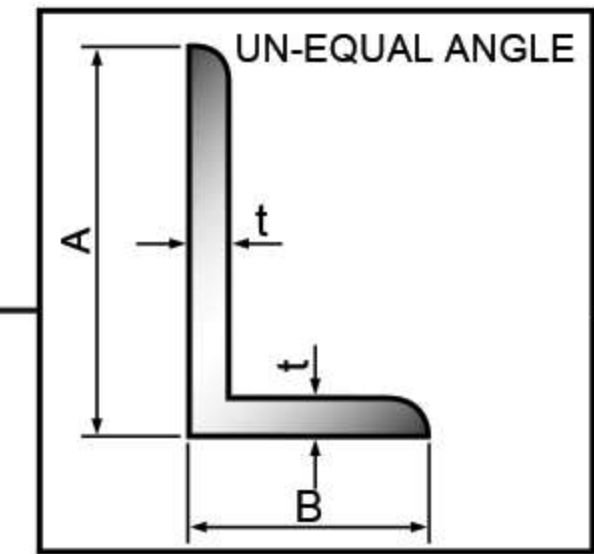
NOTE 3 Dimensional tolerances are also available upon request from DTI BPS.



ANGLE BAR - UNEQUAL LEG

Japanese Industrial Standard (JIS G3192:2008)

Table 1 :
Dimensions and sectional properties of hot-rolled equal-leg angle bars



		Mass	Dimensions				Weight per 6m kg
$A \times B$ mm	Thickness mm	kg/m	A mm	B mm	t mm	r _{root} mm	
75 x 50	5	4.67	75	50	5	7	28.020
	6	5.65			6	7	33.900
	8	7.39			8	7	44.340
90 x 75	9	11.00	90	75	9	8.5	66.000
100 x 75	6	7.95	100	75	6	10	47.700
	7	9.32			7	10	55.920
	8	10.60			8	10	63.600
	9	11.73			9	10	70.380
	10	13.00			10	10	78.000
	12	15.40			12	10	92.400
125 X 75	7	10.70	125	75	7	10	64.200
	8	12.20			8	11	73.200
	9	13.50			9	11	81.000
	10	14.90			10	10	89.400
	12	17.80			12	11	106.800
	13	19.10			13	10	114.600
125 X 90	10	16.10	125	90	10	10	96.600
	13	20.60			13	10	123.600
150 x 75	7	10.60	150	75	7	12	63.600
	8	12.07			8	12	72.420
	9	15.40			9	12	92.400
	10	17.00			10	11	102.000
	11	17.72			11	11	106.320
	12	20.20			12	11	121.200
	15	24.80			15	11	148.800
150 X 90	8	14.57	150	90	8	12	87.420
	9	16.40			9	12	98.400
	10	18.20			10	12	109.200
	12	21.50			12	12	129.000
	15	26.60			15	12	159.600
150 X 100	9	17.10	150	100	9	12	102.600
	12	22.40			12	12	134.400
	15	27.70			15	12	166.200

CHANNEL BARS

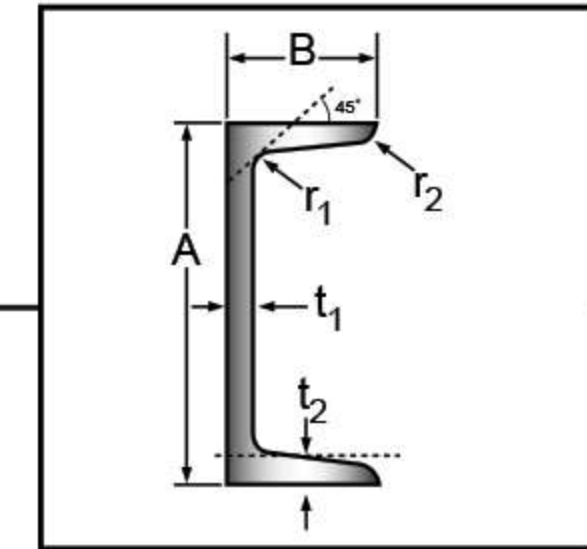


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CHANNEL BAR

Japanese Industrial Standard (JIS G3192:2008)

Table 1 :
Dimensions and sectional properties of channel bar

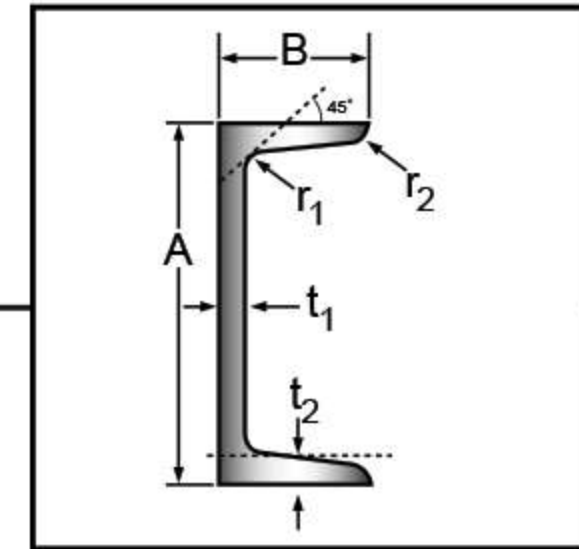


Size	Mass	Dimensions				Weight per 6m kg
		Thickness		Height Web (A) mm	Flange Width (B) mm	
mm	kg/m	Web (t1) mm	Flange (t2) mm			
75 x 40	5.30	3.75	5.24	75	40	31.800
	6.92	5.00	7.00			41.520
76 x 35	4.80	3.70	4.80	76	35	28.800
	6.10	4.32	6.93			36.600
80 x 40	7.10	4.65	6.93	80	40	42.600
100 x 46	8.52	4.80	7.90	100	46	51.120
100 x 50	7.30	4.25	6.00	100	50	43.800
	7.50	3.95	6.50			45.000
	9.36	5.00	7.50			56.160
	10.60	6.00	8.50			63.600
102 x 40	6.70	4.20	5.60	102	40	40.200
	8.00	4.57	7.52			48.000
102 x 50	10.20	8.13	7.52	102	50	61.200
118 x 50	8.16	3.80	5.20	118	50	48.960
125 x 65	11.66	4.64	7.10	125	65	69.960
	12.91	5.50	7.65			77.460
	13.40	6.00	8.00			80.400
127 x 44	8.21	3.80	5.20	127	44	49.260
140 x 58	12.30	5.00	8.20	140	58	73.800
150 x 75	14.66	4.86	7.40	150	75	87.960
	16.70	5.70	10.00			100.200
	17.90	6.00	10.00			107.400
	18.00	6.00	10.00			108.000
	18.60	6.35	10.28			111.600
	24.00	9.00	12.50			144.000

CHANNEL BAR

Japanese Industrial Standard (JIS G3192:2008)

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Dimensions and sectional properties of channel bar

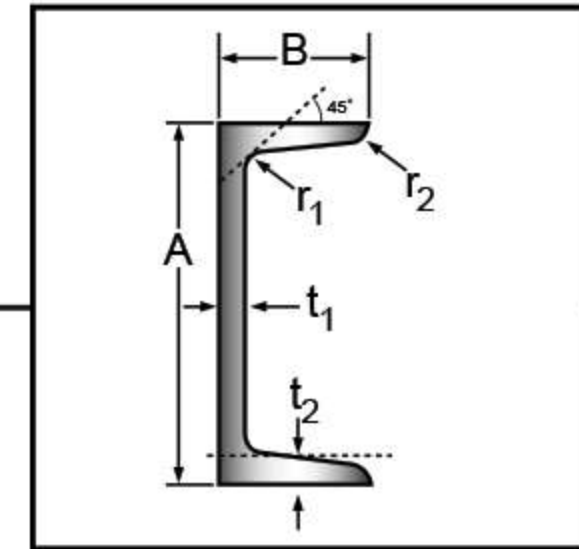


Size	Mass	Dimensions				Weight per 6m kg
		Thickness		Height	Flange	
mm	kg/m	Web (t1) mm	Flange (t2) mm	Web (A) mm	Width (B) mm	
152 x 48	10.70	5.00	6.20	152	48	64.200
152 x 89	23.90	7.00	11.50	152	89	143.400
160 x 64	14.20	5.50	7.50	160	64	85.200
180 x 65	16.30	5.05	8.50	180	65	97.800
	17.40	5.15	8.50			104.400
180 x 75	21.40	7.00	10.50	180	75	128.400
200 x 73	18.80	6.50	6.90	200	73	112.800
	19.69	7.00	7.50			118.140
	20.37	6.30	6.90			122.238
	22.64	8.10	8.50			135.822
	23.30	6.50	13.00			139.800
200 x 75	25.10	8.00	11.00	200	75	150.600
	25.78	8.20	8.80			154.680
200 x 76	18.40	5.00	9.30	200	76	110.400
200 x 80	24.60	7.50	11.00	200	80	147.600
200 x 90	30.30	8.00	13.50	200	90	181.800
250 x 76	23.30	5.90	5.60	250	76	139.800
250 x 78	25.30	7.20	9.10	250	78	151.800
250 x 80	29.76	8.56	10.28	250	80	178.560
250 x 90	34.60	9.00	13.00	250	90	207.600
	40.20	11.00	14.50			241.200
300 x 82	34.47	6.60	9.70	300	82	206.820

CHANNEL BAR

Japanese Industrial Standard (JIS G3192:2008)

Table 1 :
Dimensions and sectional properties of channel bar



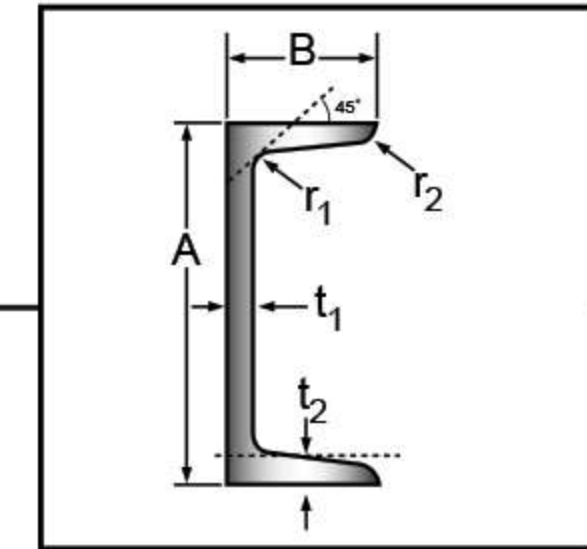
Size	Mass	Dimensions				Weight per 6m kg
		Thickness		Height Web (A) mm	Flange Width (B) mm	
mm	kg/m	Web (t1) mm	Flange (t2) mm			
300 x 85	31.02	6.70	9.30	300	85	186.102
	34.40	8.60	10.2			206.400
	39.10	10.00	9.40			234.600
300 x 89	43.88	10.00	15.50	300	89	263.280
300 x 90	38.10	9.00	13.00	300	90	228.600
	43.80	10.00	15.50			262.800
	48.60	12.00	16.00			291.600
300 x 100	46.20	10.00	16.50	300	100	277.200
360 x 98	53.47	10.8	15.30	360	98	320.796
380 x 100	54.00	9.60	17.40	380	100	324.000
	54.50	10.50	16.00			327.000
	62.00	13.00	16.50			372.000
	67.30	13.00	20.00			403.800
381 x 86	50.40	10.16	16.51	381	86	302.400
400 x 100	57.00	9.60	17.40	400	100	342.000

Other sizes not specified in the scope of this table can be custom-made.

CHANNEL BAR

American Standard (ASTM A36)

Table 1 :
Dimensions and sectional properties of channel bar



Size		Mass	Dimensions				Weight per Standard length	
			Thickness		Height Web (A) mm	Flange Width (B) mm		
inches		lbs/ft	Web (t1) mm	Flange (t2) mm				
C3	3" x 1-3/8"	4.10	4.32	6.93	76.2	34.9	82	
	3" x 1-1/2"	5.00	6.93	6.93		38.1	100	
	3" x 1-5/8"	6.00	9.04	6.93		41.3	120	
C4	4" x 1-5/8"	5.40	4.57	7.52	101.6	40.2	108	
	4" x 1-1/2"	6.25	6.27	7.52		41.8	125	
	4" x 1-3/4"	7.25	8.13	7.52		43.7	145	
C5	5" x 1-3/4	6.70	4.83	8.13	127.0	44.5	134	
	5" x 1-7/8"	9.00	8.26	8.13		47.9	180	
	5" x 2-1/2"	11.50	11.99	8.13		51.6	230	
C6	6" x 1-5/8"	8.20	5.08	8.71	152.4	48.8	164	
	6" x 2"	10.50	7.98	8.71		51.7	210	
	6" x 2-1/2"	12.00	7.95	9.53			240	
	6" x 2-1/8"	13.00	11.10	8.71		54.8	260	
	6" x 3"	16.00	9.53	12.07		57.5	320	
C7	7" x 2-1/4"	12.25	7.98	9.30	177.8	55.7	245	
		14.75	10.64	9.30		58.4	295	
C8	8" x 2-1/4"	11.50	5.65	10.00	203.2	57.4	230	
		18.75	12.37	9.91		64.2	375	
	8" x 2-1/2"	13.75	7.54	12.75		59.5	275	
	8" x 3"	15.00					300	
		16.25	10.03	9.91		61.8	325	
20.00		10.16	12.70		400			
C9	9" x 2-3/8"	13.40	5.84	10.49			268	
C10	10" x 2-1/2"	15.30	6.10	11.07	254.0	66.0	306	
	10" x 2-3/4"	20.00	9.45	13.40		69.6	400	
		25.00	12.90	14.70		73.3	500	
		10" x 3"	30.00	12.95		15.10	77.0	600
C12	12" x 3"	20.70	7.60	12.50	304.8	74.7	414	
		25.00	9.65	15.10		77.4	500	
		30.00	12.82	16.10		80.5	600	
C15	15" x 3-1/2"	40.00	13.18	19.10	381.0	89.4	800	
	15" x 3-3/4"	33.90	10.16	16.51		86.4	678	
		50.00	17.96	19.95		94.4	1000	
		15" x 4"	37.00	10.72		16.51		740

Other sizes not specified in the scope of this table can be custom-made.

DEFORMED BARS



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DEFORMED BAR

Philippine National Standard (PNS 49:2020 GR.230)

Table 1 :
Dimensions and sectional properties of deformed bar

ASTM A615 EQUIVALENT GR.33

Nominal Size		Mass kg/m	Weight per Length
Diameter <i>mm</i>	Length <i>m</i>		
10	6.0	0.616	3.696
	7.5		4.620
	9.0		5.544
	10.5		6.468
	12.0		7.392
12	6.0	0.888	5.328
	7.5		6.660
	9.0		7.992
	10.5		9.324
	12.0		10.656
16	6.0	1.578	9.468
	7.5		11.835
	9.0		14.202
	10.5		16.569
	12.0		18.936
20	6.0	2.466	14.796
	7.5		18.495
	9.0		22.198
	10.5		25.893
	12.0		29.592
25	6.0	3.853	23.118
	7.5		28.898
	9.0		34.677
	10.5		40.457
	12.0		46.236



DEFORMED BAR

Philippine National Standard (PNS 49:2020 GR 280)

Table 1 :
Dimensions and sectional properties of deformed bar

ASTM A615 EQUIVALENT GR.40

Nominal Size		Mass	Weight per
Diameter	Length		
<i>mm</i>	<i>m</i>	kg/m	Length
10	6.0	0.616	3.696
	7.5		4.620
	9.0		5.544
	10.5		6.468
	12.0		7.392
12	6.0	0.888	5.328
	7.5		6.660
	9.0		7.992
	10.5		9.324
	12.0		10.656
16	6.0	1.578	9.468
	7.5		11.835
	9.0		14.202
	10.5		16.569
	12.0		18.936
20	6.0	2.466	14.796
	7.5		18.495
	9.0		22.198
	10.5		25.893
	12.0		29.592
25	6.0	3.853	23.118
	7.5		28.898
	9.0		34.677
	10.5		40.457
	12.0		46.236



DEFORMED BAR

Philippine National Standard (PNS 49:2020 GR.420)

Table 1 :
Dimensions and sectional properties of deformed bar

ASTM A615 EQUIVALENT GR.60

Nominal Size		Mass	Weight per
Diameter	Length		
<i>mm</i>	<i>m</i>	kg/m	Length
10	6.0	0.616	3.696
	7.5		4.620
	9.0		5.544
	10.5		6.468
	12.0		7.392
12	6.0	0.888	5.328
	7.5		6.660
	9.0		7.992
	10.5		9.324
	12.0		10.656
16	6.0	1.578	9.468
	7.5		11.835
	9.0		14.202
	10.5		16.569
	12.0		18.936
20	6.0	2.466	14.796
	7.5		18.495
	9.0		22.198
	10.5		25.893
	12.0		29.592
25	6.0	3.853	23.118
	7.5		28.898
	9.0		34.677
	10.5		40.457
	12.0		46.236

Nominal Size		Mass	Weight per
Diameter	Length		
<i>mm</i>	<i>m</i>	kg/m	Length
28	6.0	4.834	29.004
	7.5		36.255
	9.0		43.506
	10.5		50.757
	12.0		58.008
32	6.0	6.313	37.878
	7.5		47.348
	9.0		56.817
	10.5		66.287
	12.0		75.756
36	6.0	7.990	47.940
	7.5		59.925
	9.0		71.910
	10.5		83.895
	12.0		95.880

FLAT BARS

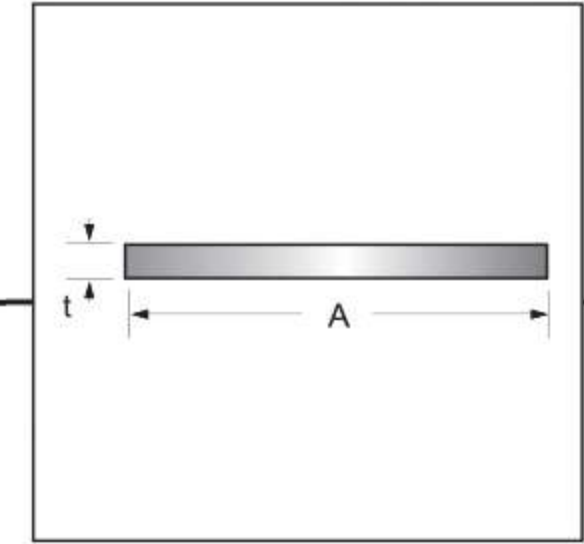


SERVICING NATIONWIDE
LUZON • VISAYAS • MINDANAO

FLAT BAR

American Standard (ASTM A36)

Table 1 :
Dimensions and sectional properties of Flat Bars

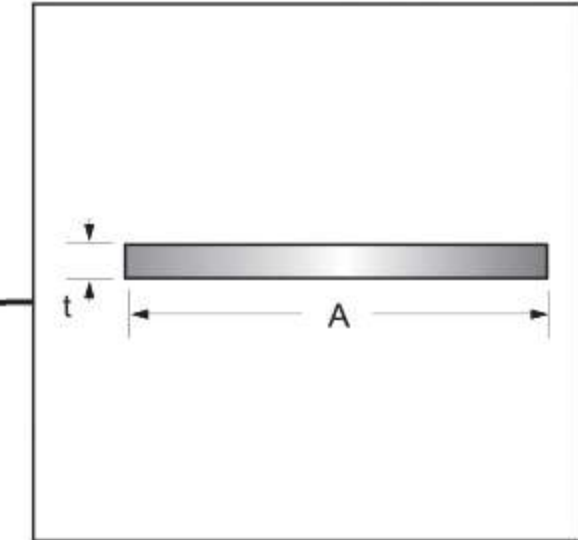


Dimensions		Mass	Weight per 6m kg
Width (A)	Thickness (t)		
<i>inches</i>	<i>mm</i>	kg/m	
2	3.0	1.20	7.18
	4.5	1.79	10.77
	6.0	2.39	14.36
	8.0	3.19	19.14
	9.0	3.59	21.53
	9.3	3.71	22.25
	10.0	3.99	23.93
	12.0	4.79	28.71
	15.0	5.98	35.89
	18.0	7.18	43.07
	20.0	7.98	47.85
	24.0	9.57	57.42
3	3.0	1.79	10.77
	4.5	2.69	16.15
	6.0	3.59	21.53
	8.0	4.79	28.71
	9.0	5.38	32.30
	9.3	5.56	33.38
	10.0	5.98	35.89
	12.0	7.18	43.07
	15.0	8.97	53.84
	18.0	10.77	64.60
	20.0	11.96	71.78
	24.0	14.36	86.14
4	3.0	2.39	14.36
	4.5	3.59	21.53
	6.0	4.79	28.71
	8.0	6.38	38.28
	9.0	7.18	43.07
	9.3	7.42	44.50
	10.0	7.98	47.85
	12.0	9.57	57.42
	15.0	11.96	71.78
	18.0	14.36	86.14
	20.0	15.95	95.71
	24.0	19.14	114.85
Dimensions		Mass	Weight per 6m kg
Width (A)	Thickness (t)		
<i>inches</i>	<i>mm</i>	kg/m	
5	3.0	2.99	17.95
	4.5	4.49	26.92
	6.0	5.98	35.89
	8.0	7.98	47.85
	9.0	8.97	53.84
	9.3	9.27	55.63
	10.0	9.97	59.82
	12.0	11.96	71.78
	15.0	14.95	89.73
	18.0	17.95	107.67
	20.0	19.94	119.63
	24.0	23.93	143.56
6	3.0	3.59	21.53
	4.5	5.38	32.30
	6.0	7.18	43.07
	8.0	9.57	57.42
	9.0	10.77	64.60
	9.3	11.13	66.76
	10.0	11.96	71.78
	12.0	14.36	86.14
	15.0	17.95	107.67
	18.0	21.53	129.20
	20.0	23.93	143.56
	24.0	28.71	172.27
7	3.0	4.19	25.12
	4.5	6.28	37.68
	6.0	8.37	50.25
	8.0	11.17	67.00
	9.0	12.56	75.37
	9.3	12.98	77.88
	10.0	13.96	83.74
	12.0	16.75	100.49
	15.0	20.94	125.62
	18.0	25.12	150.74
	20.0	27.91	167.49
	24.0	33.50	200.99

FLAT BAR

American Standard (ASTM A36)

Table 1 :
Dimensions and sectional properties of Flat Bars



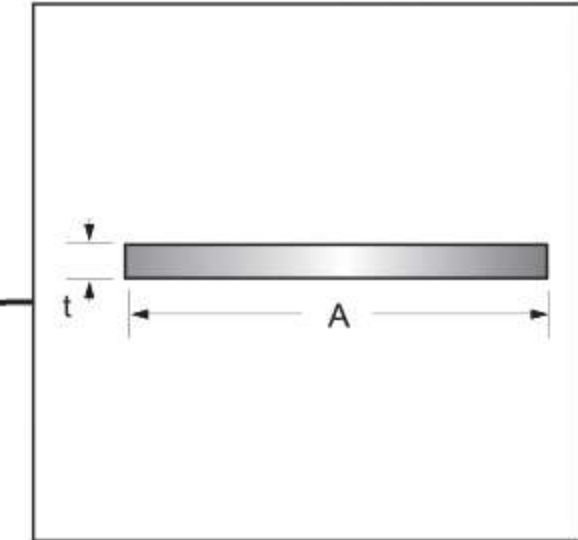
Dimensions		Mass	Weight per 6m kg
Width (A)	Thickness (t)		
<i>inches</i>	<i>mm</i>	kg/m	
8	3.0	4.79	28.71
	4.5	7.18	43.07
	6.0	9.57	57.42
	8.0	12.76	76.57
	9.0	14.36	86.14
	9.3	14.83	89.01
	10.0	15.95	95.71
	12.0	19.14	114.85
	15.0	23.93	143.56
	18.0	28.71	172.27
	20.0	31.90	191.41
	24.0	38.28	229.70
9	3.0	5.38	32.30
	4.5	8.08	48.45
	6.0	10.77	64.60
	8.0	14.36	86.14
	9.0	16.15	96.90
	9.3	16.69	100.13
	10.0	17.95	107.67
	12.0	21.53	129.20
	15.0	26.92	161.51
	18.0	32.30	193.81
	20.0	35.89	215.34
	24.0	43.07	258.41
10	3.0	5.98	35.89
	4.5	8.97	53.84
	6.0	11.96	71.78
	8.0	15.95	95.71
	9.0	17.95	107.67
	9.3	18.54	111.26
	10.0	19.94	119.63
	12.0	23.93	143.56
	15.0	29.91	179.45
	18.0	35.89	215.34
	20.0	39.88	239.27
	24.0	47.85	287.12

Dimensions		Mass	Weight per 6m kg
Width (A)	Thickness (t)		
<i>inches</i>	<i>mm</i>	kg/m	
11	3.0	6.58	39.48
	4.5	9.87	59.22
	6.0	13.16	78.96
	8.0	17.55	105.28
	9.0	19.74	118.44
	9.3	20.40	122.39
	10.0	21.93	131.60
	12.0	26.32	157.92
	15.0	32.90	197.40
	18.0	39.48	236.88
	20.0	43.87	263.19
	24.0	52.64	315.83
12	3.0	7.18	43.07
	4.5	10.77	64.60
	6.0	14.36	86.14
	8.0	19.14	114.85
	9.0	21.53	129.20
	9.3	22.25	133.51
	10.0	23.93	143.56
	12.0	28.71	172.27
	15.0	35.89	215.34
	18.0	43.07	258.41
	20.0	47.85	287.12
	24.0	57.42	344.55
13	3.0	7.78	46.66
	4.5	11.66	69.99
	6.0	15.55	93.31
	8.0	20.74	124.42
	9.0	23.33	139.97
	9.3	24.11	144.64
	10.0	25.92	155.52
	12.0	31.10	186.63
	15.0	38.88	233.29
	18.0	46.66	279.94
	20.0	51.84	311.05
	24.0	62.21	373.26

FLAT BAR

American Standard (ASTM A36)

Table 1 :
Dimensions and sectional properties of Flat Bars



Dimensions		Mass	Weight per 6m kg
Width (A)	Thickness (t)		
<i>inches</i>	<i>mm</i>	kg/m	
14	3.0	8.37	50.25
	4.5	12.56	75.37
	6.0	16.75	100.49
	8.0	22.33	133.99
	9.0	25.12	150.74
	9.3	25.96	155.76
	10.0	27.91	167.49
	12.0	33.50	200.99
	15.0	41.87	251.23
	18.0	50.25	301.48
	20.0	55.83	334.98
15	24.0	67.00	401.97
	3.0	8.97	53.84
	4.5	13.46	80.75
	6.0	17.95	107.67
	8.0	23.93	143.56
	9.0	26.92	161.51
	9.3	27.81	166.89
	10.0	29.91	179.45
	12.0	35.89	215.34
	15.0	44.86	269.18
	18.0	53.84	323.01
16	20.0	59.82	358.90
	24.0	71.78	430.68
	3.0	9.57	57.42
	4.5	14.36	86.14
	6.0	19.14	114.85
	8.0	25.52	153.13
	9.0	28.71	172.27
	9.3	29.67	178.02
	10.0	31.90	191.41
	12.0	38.28	229.70
	15.0	47.85	287.12
18	18.0	57.42	344.55
	20.0	63.80	382.83
	24.0	76.57	459.39

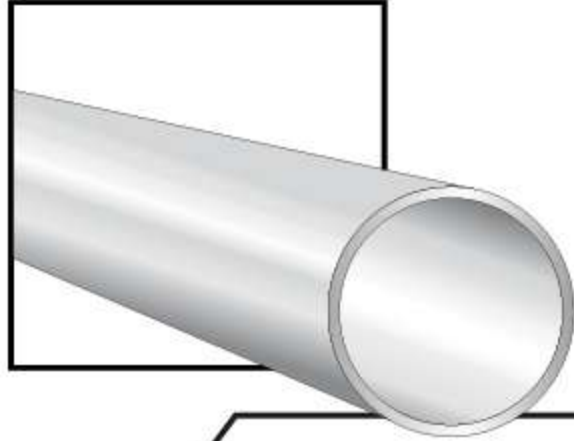
Dimensions		Mass	Weight per 6m kg
Width (A)	Thickness (t)		
<i>inches</i>	<i>mm</i>	kg/m	
18	3.0	10.77	64.60
	4.5	16.15	96.90
	6.0	21.53	129.20
	8.0	28.71	172.27
	9.0	32.30	193.81
	9.3	33.38	200.27
	10.0	35.89	215.34
	12.0	43.07	258.41
	15.0	53.84	323.01
	18.0	64.60	387.61
	20.0	71.78	430.68
20	24.0	86.14	516.82
	3.0	11.96	71.78
	4.5	17.95	107.67
	6.0	23.93	143.56
	8.0	31.90	191.41
	9.0	35.89	215.34
	9.3	37.09	222.52
	10.0	39.88	239.27
	12.0	47.85	287.12
	15.0	59.82	358.90
	18.0	71.78	430.68
24	20.0	79.76	478.54
	24.0	95.71	574.24

Other sizes not specified in the scope of this table can be custom-made.

PIPES & TUBINGS



SERVICING NATIONWIDE
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ERW Black and Galvanized Iron Pipe

Philippine National Standard (PNS 26:2018)

HEAVY GAUGE PIPES

Brand/s: SUPREME & SUPERIOR

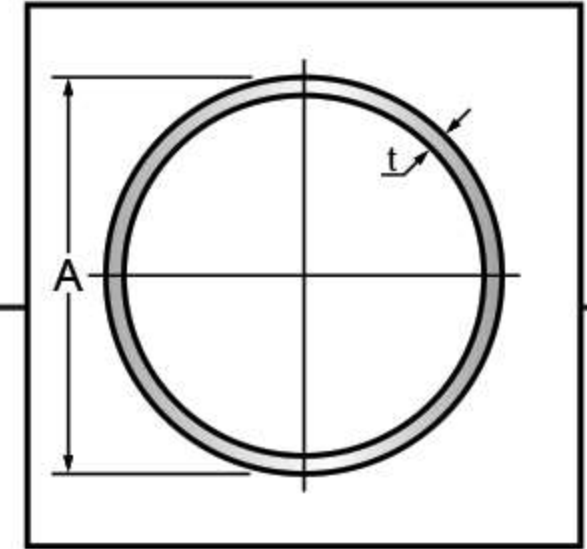


Table 1 :
Dimensions and sectional properties of black and hot dipped zinc coated (galvanized) longitudinally welded steel pipes

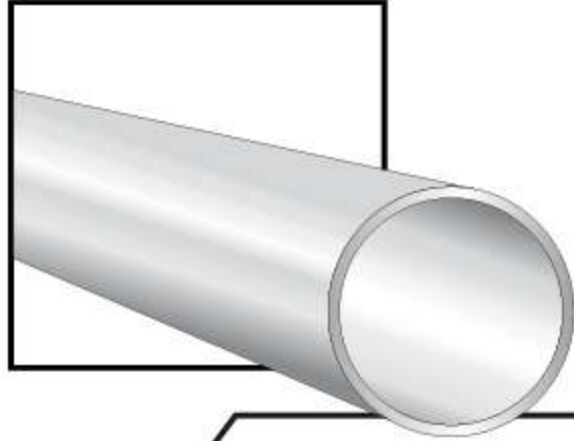
Nominal Size		Outside Diameter	Mass	Wall Thickness	Weight per pc
Diameter					
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	<i>mm</i>	6m
1/2"	15	21.30	1.277	2.80	7.662
3/4"	20	26.70	1.702	2.90	10.212
1"	25	33.40	2.515	3.40	15.090
1-1/4"	32	42.20	3.427	3.60	20.562
1-1/2"	40	48.30	4.069	3.70	24.414
2"	50	60.30	5.553	4.00	33.318
2-1/2"	65	73.00	8.694	5.20	52.164
3"	80	88.90	11.312	5.50	67.872
4"	100	114.30	16.024	6.00	96.144
5"	125	141.30	21.923	6.60	131.538
6"	150	168.30	28.224	7.10	169.344
8"	200	219.10	42.647	8.20	255.882
10"	250	273.00	60.476	9.30	362.856
12"	300	323.80	76.628	10.30	459.768

American Standard (ASTM A53)

Table 2 – Dimensions and sectional properties of black and hot dipped
s zinc coated (galvanized) longitudinally welded steel pipes

Nominal Size		Outside Diameter	Mass	Wall Thickness	Weight per 6m kg
Diameter					
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	<i>mm</i>	
14"	350	355.60	94.550	11.13	567.300
16"	400	406.40	123.300	12.70	739.800
18"	450	457.00	155.800	14.27	934.800
20"	500	508.00	183.420	15.09	1100.520
24"	600	610.00	255.410	17.48	1532.460

Other sizes not specified in the scope of this table can be custom-made.



ERW Black and Galvanized Iron Pipe

Philippine National Standard (PNS 26:2018)

LIGHT GAUGE PIPES

Brand/s: TRI R PIPE

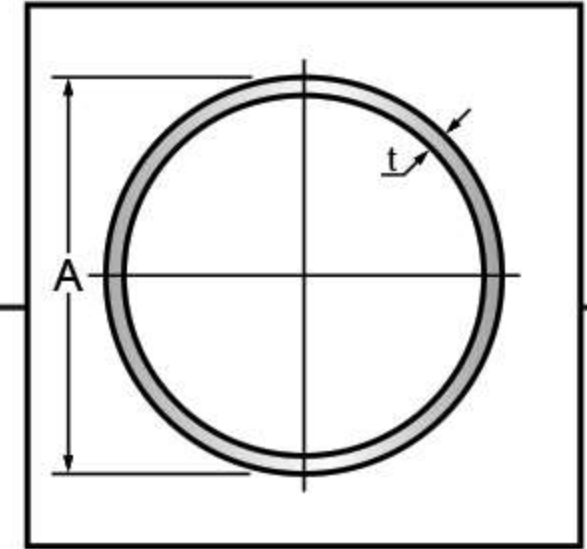
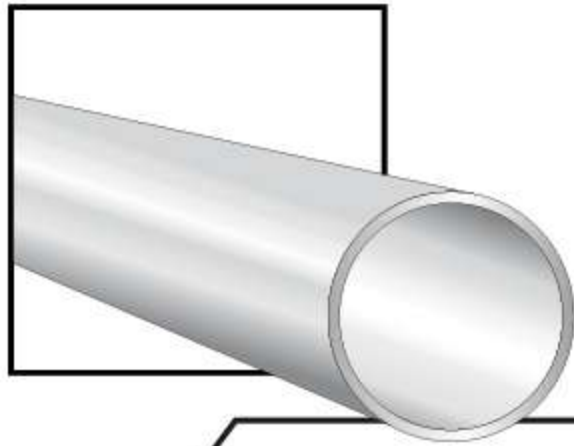


Table 1 :
Dimensions and sectional properties of black and hot dipped zinc coated (galvanized) longitudinally welded steel pipes

Nominal Size Diameter		Outside Diameter <i>mm</i>	Mass <i>kg/m</i>	Wall Thickness <i>mm</i>	Weight per pc 6m
<i>inches</i>	<i>mm</i>				
1/2"	15	21.30	0.952	2.00	5.712
3/4"	20	26.70	1.384	2.30	8.304
1"	25	33.40	1.975	2.60	11.850
1-1/4"	32	42.20	2.539	2.60	15.234
1-1/2"	40	48.30	3.247	2.90	19.482
2"	50	60.30	4.105	2.90	24.630
2-1/2"	65	73.00	5.508	3.20	33.048
3"	80	88.90	6.763	3.20	40.578
4"	100	114.30	9.828	3.60	58.968
5"	125	141.30	16.806	5.00	100.836
6"	150	168.30	20.135	5.00	120.810
8"	200	219.10	30.508	5.80	183.048
10"	250	273.00	43.358	6.60	260.148
12"	300	323.80	53.922	6.90	323.532

Other sizes not specified in the scope of this table can be custom-made.



Lightweight Steel Tubes

Philippine National Standard (PNS 2145:2020)

Lightweight Structural Steel Tubes Brand/s: STRUX

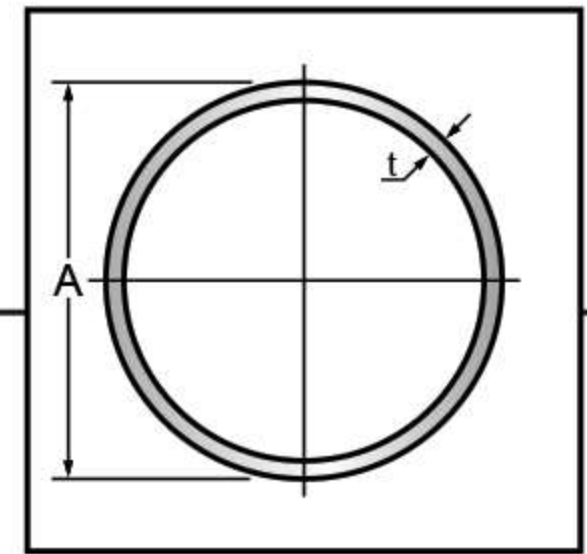
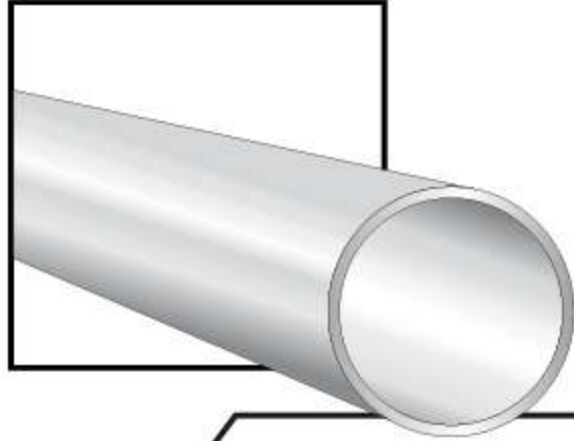


Table 1 :
Dimensions and sectional properties of black and hot dipped zinc coated (galvanized) longitudinally welded steel pipes

Nominal Size		Outside Diameter, mm		Mass	Wall Thickness, <i>mm</i>		Weight per pc
Diameter							
<i>inches</i>	<i>mm</i>	Min.	Max.	<i>kg/m</i>	Min.	Max.	6m
1/2"	15	20.50	21.70	0.657	1.40	1.55	3.942
3/4"	20	25.90	27.10	0.843	1.40	1.55	5.058
1"	25	32.60	33.80	1.238	1.62	1.80	7.428
1-1/4"	32	41.40	42.60	1.673	1.71	1.90	10.038
1-1/2"	40	47.50	48.70	1.932	1.71	1.90	11.592
2"	50	59.70	60.90	2.570	1.80	2.00	15.420
2-1/2"	65	72.30	73.70	4.262	2.48	2.75	25.572
3"	80	88.00	89.80	5.220	2.48	2.75	31.320
4"	100	113.20	115.40	6.758	2.48	2.75	40.548

Other sizes not specified in the scope of this table can be custom-made.



Seamless Black and Galvanized Iron Pipe

American Standard (ASTM A-53 / API5L / A106)

SCHEDULE 40

Brand/s: REGAN

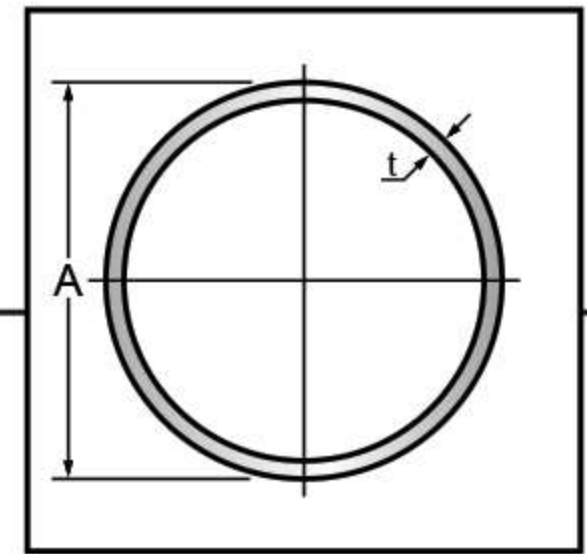
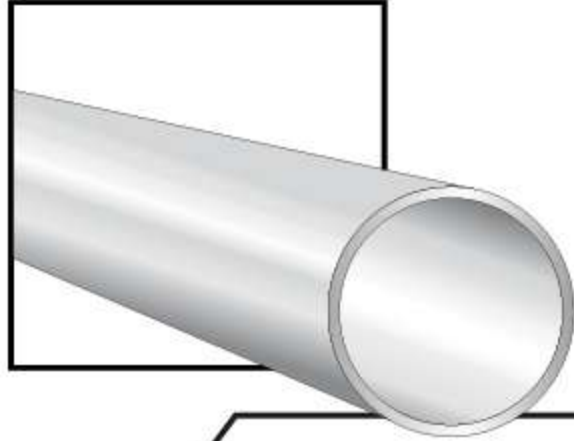


Table 1 –
Dimensions and sectional properties of black and hot dipped zinc coated (galvanized) seamless pipes

Nominal Size		Outside Diameter	Mass	Wall Thickness	Weight per pc
Diameter					
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	<i>mm</i>	6m
3/8"	10	17.15	0.850	2.31	5.10
1/2"	15	21.34	1.283	2.77	7.70
3/4"	20	26.67	1.750	2.87	10.50
1"	25	33.40	2.533	3.38	15.20
1-1/4"	32	42.20	3.433	3.56	20.60
1-1/2"	40	48.20	4.100	3.68	24.60
2"	50	60.30	5.517	3.91	33.10
2-1/2"	65	73.00	8.775	5.16	52.65
3"	80	88.90	11.467	5.49	68.80
3-1/2"	90	101.60	13.767	5.74	82.60
4"	100	114.30	16.333	6.02	98.00
5"	125	141.20	22.100	6.55	132.60
6"	150	168.80	28.667	7.11	172.00
8"	200	219.10	43.167	8.18	259.00
10"	250	273.00	61.300	9.27	367.80
12"	300	323.80	81.000	10.31	486.00
14"	350	355.60	96.133	11.13	576.80
16"	400	406.40	125.355	12.70	752.13
18"	450	457.20	158.500	14.27	951.00
20"	500	508.01	186.467	15.06	1118.80
24"	600	610.00	259.450	17.48	1556.70



Seamless Black and Galvanized Iron Pipe

American Standard (ASTM A-53 / API5L / A106)

SCHEDULE 80

Brand/s: REGAN

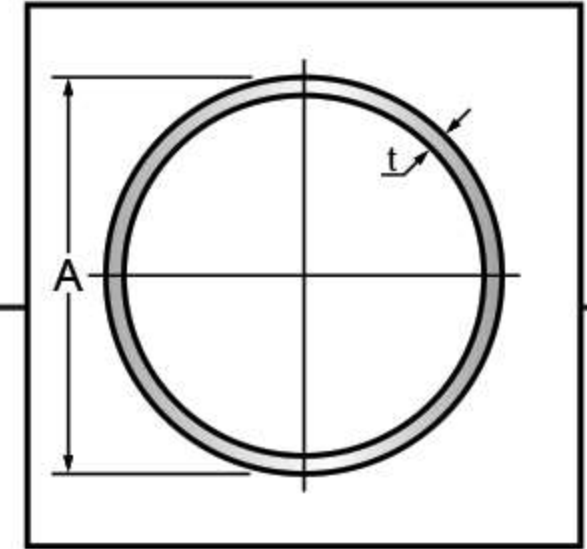
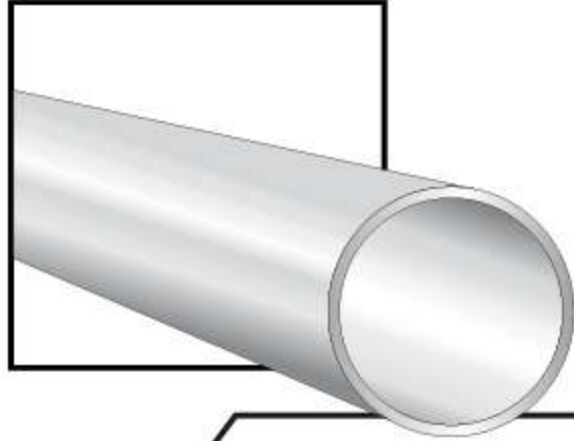


Table 1 –
Dimensions and sectional properties of black and hot dipped zinc coated (galvanized) seamless pipes

Nominal Size		Outside Diameter	Mass	Wall Thickness	Weight per pc
Diameter					
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	<i>mm</i>	6m
3/8"	10mm	17.15	1.117	3.20	6.70
1/2"	15mm	21.34	1.650	3.73	9.90
3/4"	20mm	26.67	2.217	3.91	13.30
1"	25mm	33.40	3.267	4.55	19.60
1-1/4"	32mm	42.20	4.533	4.85	27.20
1-1/2"	40mm	48.20	5.483	5.08	32.90
2"	50mm	60.30	7.583	5.54	45.50
2-1/2"	65mm	73.00	11.583	7.01	69.50
3"	80mm	88.90	15.483	7.62	92.90
3-1/2"	90mm	101.60	19.000	8.08	114.00
4"	100mm	114.30	22.650	8.56	135.90
5"	125mm	141.20	31.417	9.52	188.50
6"	150mm	168.80	43.167	10.97	259.00
8"	200mm	219.10	65.600	12.70	393.60
10"	250mm	273.00	97.333	15.09	584.00
12"	300mm	323.80	133.917	17.48	803.50
14"	350mm	355.60	160.733	19.00	964.40
16"	400mm	406.40	206.917	21.44	1241.50
18"	450mm	457.20	265.167	23.88	1591.00
20"	500mm	508.01	311.175	26.19	1867.05



Seamless Black and Galvanized Iron Pipe

American Standard (ASTM A-53 / API5L / A106)

SCHEDULE 160

Brand/s: REGAN

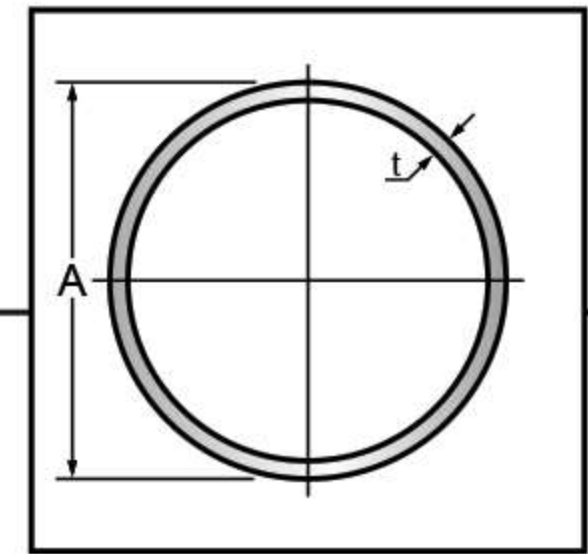
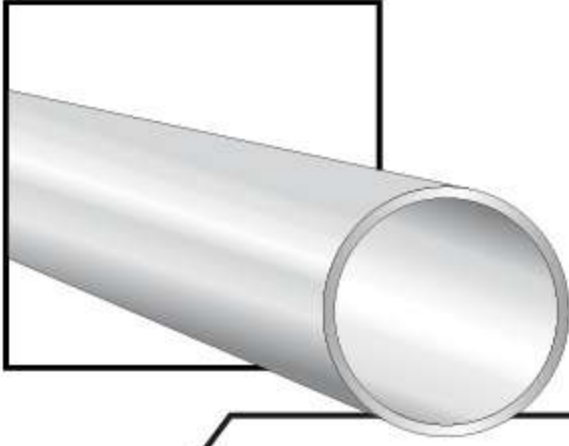


Table 1 –
Dimensions and sectional properties of black and hot dipped zinc coated (galvanized) seamless pipes

Nominal Size		Outside Diameter	Mass	Wall Thickness	Weight per pc
Diameter					
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	<i>mm</i>	6m
1/2"	15mm	21.34	1.967	4.75	11.80
3/4"	20mm	26.67	2.933	5.54	17.60
1"	25mm	33.40	4.300	6.35	25.80
1-1/4"	32mm	42.20	5.700	6.35	34.20
1-1/2"	40mm	48.20	7.367	7.14	44.20
2"	50mm	60.30	11.300	8.74	67.80
2-1/2"	65mm	73.00	15.133	9.52	90.80
3"	80mm	88.90	21.667	11.13	130.00
4"	100mm	114.30	34.067	13.49	204.40
5"	125mm	141.20	49.833	15.88	299.00
6"	150mm	168.80	68.633	18.26	411.80
8"	200mm	219.10	113.067	23.01	678.40
10"	250mm	273.00	175.067	28.58	1050.40
12"	300mm	323.80	242.533	33.32	1455.20



Spiral Welded Pipe

American Standard (ASTM A-139 | ASM A-252 | AWWA C 200)

Brand/s: REGAN

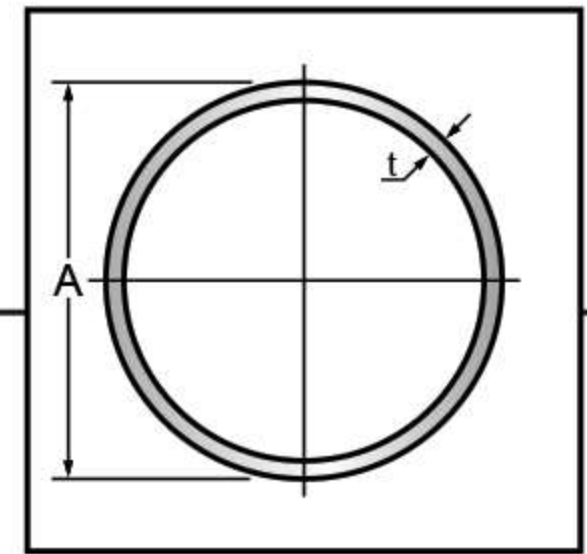
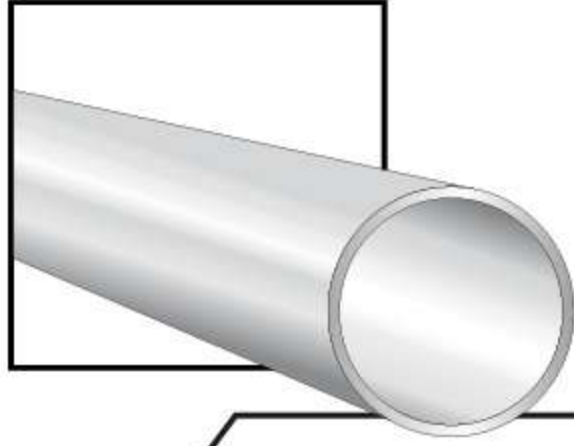


Table 1 –
Dimensions and sectional properties of black spiral

Nominal Diameter	Outside Diameter	Wall Thickness									
		mm									
mm	mm	3.20	4.76	6.35	7.95	9.53	12.70	16.00	19.00	22.00	25.00
150mm	168.3										
200mm	219.1										
250mm	273.9										
300mm	323.9										
350mm	355.6										
400mm	406.4										
450mm	457.2										
500mm	508										
600mm	609.6										
700mm	711.2										
800mm	812.8										
900mm	914.4										
1000mm	1016										
1100mm	1117.6										
1200mm	1219.2										
1500mm	1524										
1600mm	2032										
2250mm	2286										
2500mm	2540										
2750mm	2794										
3000mm	3048										
3300mm	3352.8										
3500mm	3606.8										
3800mm	3860.8										

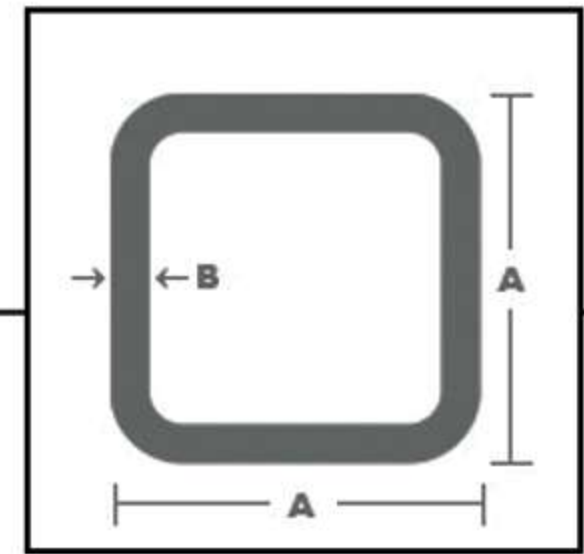
Other sizes not specified in the scope of this table can be custom-made.



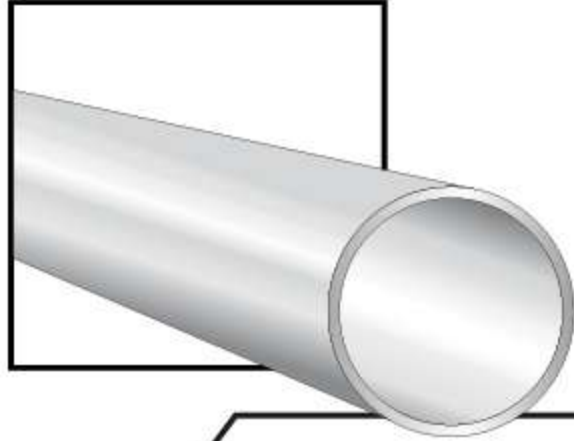
Square Tube

American Standard (ASTM A-500 Gr. B / Q235)

Table 1 –
Dimensions and sectional properties of tubulars



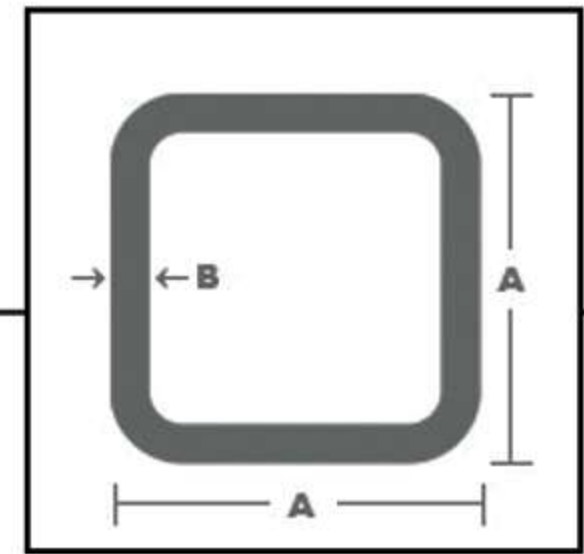
Size (A)		Thickness (B)	Mass	Weight per pc
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	6m (kg)
1/2 x 1/2	12.7 x 12.7	0.90	0.365	2.188
		1.20	0.486	2.917
		1.50	0.608	3.647
5/8 x 5/8	15.9 x 15.9	0.70	0.355	2.127
		0.90	0.456	2.735
		1.20	0.608	3.647
3/4 x 3/4	19 x 19	0.70	0.425	2.553
		0.90	0.547	3.282
		1.20	0.729	4.376
		1.50	0.912	5.470
		2.00	1.216	7.293
1 x 1	25 x 25	0.70	0.567	3.403
		0.90	0.729	4.376
		1.20	0.972	5.834
		1.50	1.216	7.293
		2.00	1.621	9.724
		3.00	2.431	14.586
1-1/4 x 1-1/4	31.8 x 31.8	0.70	0.709	4.254
		0.90	0.912	5.470
		1.20	1.216	7.293
		1.50	1.519	9.116
		2.00	2.026	12.155
1-1/2 x 1-1/2	38 x 38	0.70	0.851	5.105
		0.90	1.094	6.564
		1.20	1.459	8.752
		1.50	1.823	10.940
		2.00	2.431	14.586
		2.60	3.160	18.962
		3.00	4.862	29.170
		4.00	4.862	29.172
2 x 2	50 x 50	0.70	1.134	6.8068
		0.90	1.459	8.7516
		1.20	1.945	11.6688
		1.50	2.431	14.586
		2.00	3.241	19.448
		2.60	4.214	25.2824
		3.00	4.862	29.172
		4.00	6.483	38.896
		6.00	9.724	58.344



Square Tube

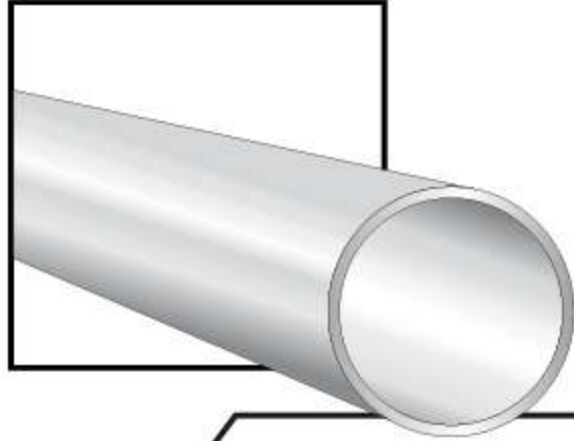
American Standard (ASTM A-500 Gr. B / Q235)

Table 1 –
Dimensions and sectional properties of tubulars



Size (A)		Thickness (B)	Mass	Weight per pc
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	6m (kg)
2-1/2 x 2-1/2	60 x 60	1.50	3.039	18.2325
		2.00	4.052	24.31
3 x 3	75 x 75	1.50	3.647	21.879
		2.00	4.862	29.172
		3.00	7.293	43.758
		4.00	9.724	58.344
		6.00	14.586	87.516
		8.00	19.448	116.688
4 x 4	100 x 100	2.00	6.483	38.896
		3.00	9.724	58.344
		4.00	12.965	77.792
		6.00	19.448	116.688
		8.00	25.931	155.584
6 x 6	150 x 150	3.00	14.586	87.516
		4.00	19.448	116.688
		6.00	29.172	175.032
		8.00	38.896	233.376
8 x 8	200 x 200	3.00	19.448	116.688
		4.00	25.931	155.584
		6.00	38.896	233.376
		8.00	51.861	311.168
		9.00	58.344	350.064
		10.00	64.827	388.96
		12.00	77.792	466.75
10 x 10	250 x 250	12.00	97.240	583.44
12 x 12	300 x 300	9.50	92.378	554.27

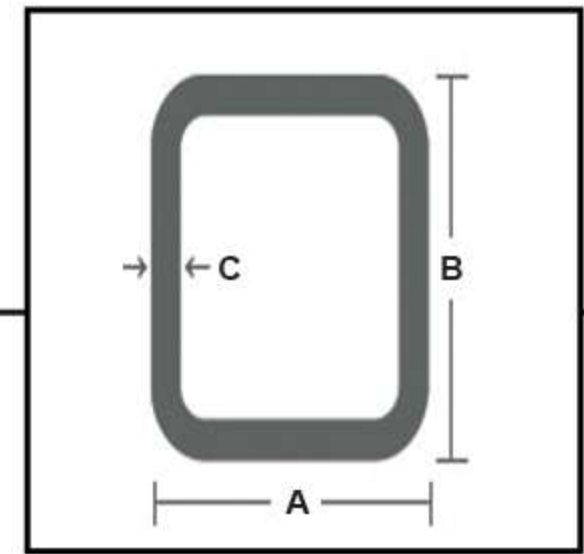
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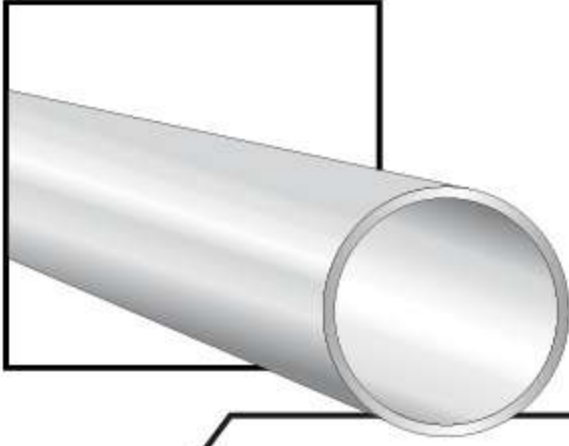
Rectangular Tube

American Standard (ASTM A-500 Gr. B / Q235)

Table 1 –
Dimensions and sectional properties of tubulars



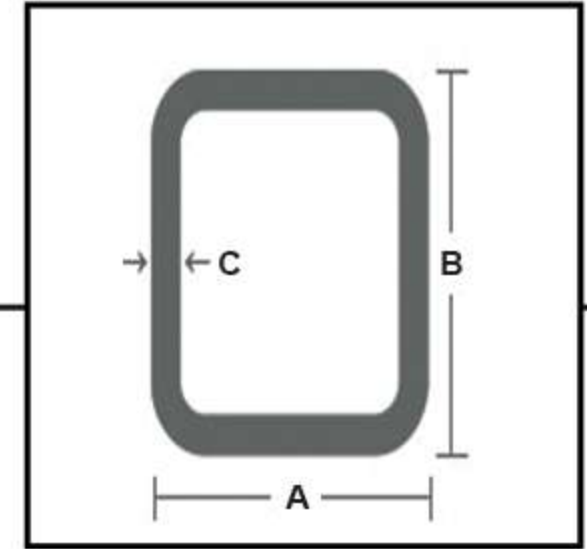
Size (AxB)		Thickness (C)	Mass	Weight per pc
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	6m (kg)
3/4 x 1-1/2	19 x 38	0.70	0.636	3.819
		0.90	0.818	4.910
		1.20	1.091	6.546
		1.50	1.364	8.183
		2.00	1.818	10.911
		3.00	2.728	16.366
3/4 x 2	19 x 50	1.20	1.321	7.925
		1.50	1.651	9.906
		2.00	2.201	13.208
1 x 2	25 x 50	0.70	0.837	5.025
		0.90	1.093	6.560
		1.20	1.436	8.614
		1.50	1.795	10.767
		2.00	2.393	14.356
		3.00	3.589	21.534
1 x 3	25 x 75	1.50	2.393	14.356
		2.00	3.190	19.142
1-1/2 x 2	40 x 50	1.20	1.723	10.337
		1.50	2.153	12.921
		2.00	2.871	17.228
		2.60	3.733	22.396
		3.00	4.307	25.841
1-1/2 x 3	40 x 75	1.50	2.752	16.510
		2.00	3.669	22.013
		3.00	5.503	33.019
2 x 3	50 x 75	1.20	2.393	14.356
		1.50	2.991	17.945
		2.00	3.988	23.927
		2.60	5.184	31.105
		3.00	5.982	35.891
		4.00	7.976	47.854
		6.00	11.964	71.781
2 x 4	50 x 100	1.20	2.871	17.228
		1.50	3.589	21.534
		2.00	4.785	28.713
		2.60	6.221	37.326
		3.00	7.178	43.069
		4.00	9.571	57.425
		5.00	12.155	72.930



Rectangular Tube

American Standard (ASTM A-500 Gr. B / Q235)

Table 1 –
Dimensions and sectional properties of tubulars



Size (AxB)		Thickness (C)	Mass	Weight per pc
<i>inches</i>	<i>mm</i>	<i>mm</i>	<i>kg/m</i>	6m (kg)
2 x 4	50 x 100	6.00	14.356	86.138
2 x 5	50 x 125	3.00	8.508	51.050
2 x 6	50 x 150	1.20	3.828	22.970
		1.50	4.785	28.713
		2.00	6.381	38.283
		2.60	8.295	49.769
		3.00	9.571	57.425
		4.00	12.761	76.567
		5.00	16.207	97.240
		6.00	19.142	114.850
2 x 8	50 x 200	2.60	10.128	60.770
		3.00	12.155	72.930
		4.00	16.207	97.240
3 x 5	75 x 125	4.00	12.761	76.567
3 x 6	75 x 150	4.00	14.356	86.138
		6.00	21.534	129.207
4 x 6	100 x 150	2.60	10.368	62.211
		3.00	11.964	71.781
		4.00	15.951	95.709
		6.00	23.927	143.563
4 x 8	100 x 200	2.60	12.442	74.653
		4.00	19.142	114.850
		6.00	28.713	172.276
		8.00	38.283	229.701
		9.00	43.069	258.413
		10.00	48.620	291.720
4 x 10	100 x 250	6.00	34.033	204.200

Other sizes not specified in the scope of this table can be custom-made.

PLATES & COILS

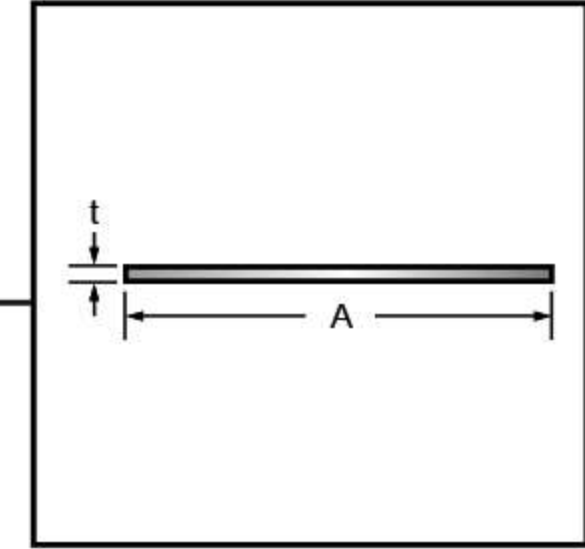


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MILD STEEL PLATE

Hot Rolled Sheet and Coil - American Standard
(ASTM A36) / Japan Industrial Standard (JIS G3101)

Table 1 :
Dimensions and sectional properties of Mild Steel Plate

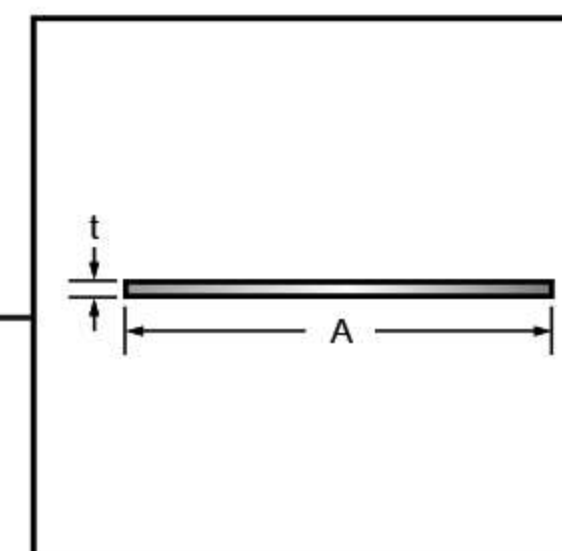


Size		Width x Length			
Thickness		4 ft x 8 ft	5 ft x 20 ft	6 ft x 20 ft	8 ft x 20 ft
Fraction	mm	Weight, kg			
1/16"	1.20	28.01	87.51	105.02	140.03
	1.40	32.67	102.10	122.52	163.36
	1.50	35.01	109.39	131.27	175.03
	1.80	42.01	131.27	157.53	210.04
	1.90	44.34	138.56	166.28	221.71
1/8"	2.00	46.68	145.86	175.03	233.38
	2.20	51.34	160.44	192.53	256.71
	2.30	53.68	167.74	201.29	268.38
	2.40	56.01	175.03	210.04	280.05
	2.50	58.34	182.32	218.79	291.72
	2.60	60.68	189.62	227.54	303.39
	2.70	63.01	196.91	236.29	315.06
	2.80	65.35	204.20	245.04	326.73
	2.90	67.68	211.49	253.80	338.39
3/16"	3.00	70.01	218.79	262.55	350.06
	3.20	74.68	233.37	280.05	373.40
	3.40	79.35	247.96	297.55	396.74
	3.50	81.68	255.25	306.31	408.41
	3.70	86.35	269.84	323.81	431.74
	3.80	88.68	277.13	332.56	443.41
	4.00	93.35	291.72	350.06	466.75
	4.20	98.02	306.30	367.57	490.09
	4.30	100.35	313.59	376.32	501.76
	4.50	105.02	328.18	393.82	525.09
	4.70	109.69	342.77	411.32	548.43
	4.80	112.02	350.06	420.08	560.10
1/4"	5.00	116.69	364.64	437.58	583.44
	5.20	121.36	379.23	455.08	606.78
	5.30	123.69	386.52	463.83	618.44
	5.50	128.36	401.11	481.34	641.78
	5.70	133.02	415.69	498.84	665.12
	5.80	135.36	422.99	507.59	676.79
	6.00	140.03	437.57	525.09	700.13
	6.30	147.03	459.45	551.35	735.13
	6.50	151.69	474.04	568.85	758.47

MILD STEEL PLATE

Hot Rolled Sheet and Coil - American Standard
(ASTM A36) / Japan Industrial Standard (JIS G3101)

Table 1 :
Dimensions and sectional properties of Mild Steel Plate

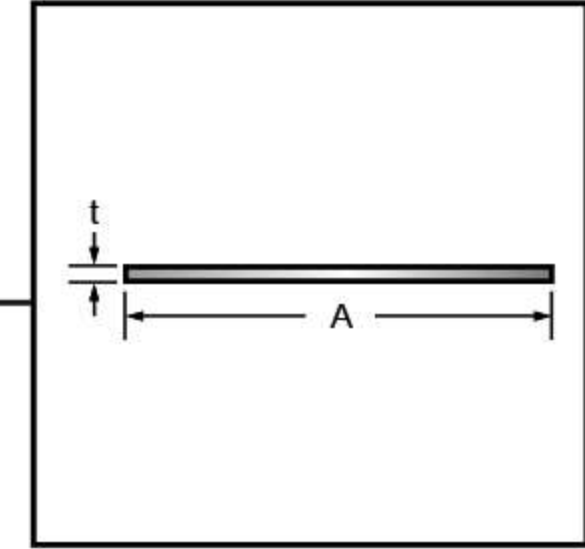


Size		Width x Length			
Thickness		4 ft x 8 ft	5 ft x 20 ft	6 ft x 20 ft	8 ft x 20 ft
Fraction	mm	Weight, kg			
5/16"	7.00	163.36	510.50	612.61	816.81
	7.50	175.03	546.97	656.37	875.16
	7.80	182.03	568.85	682.62	910.16
3/8"	8.00	186.70	583.43	700.13	933.50
	8.50	198.37	619.90	743.88	991.85
	8.70	203.04	634.48	761.39	1015.18
	9.00	210.04	656.36	787.64	1050.19
	9.50	221.71	692.82	831.40	1108.53
	9.70	226.37	707.41	848.90	1131.87
	9.80	228.71	714.70	857.65	1143.54
	10.00	233.38	729.29	875.16	1166.88
	10.50	245.04	765.75	918.92	1225.22
	10.80	252.05	787.63	945.17	1260.23
1/2"	11.00	256.71	802.22	962.67	1283.56
	11.50	268.38	838.68	1006.43	1341.91
	11.80	275.38	860.56	1032.69	1376.91
	12.00	280.05	875.15	1050.19	1400.25
	13.00	303.39	948.08	1137.70	1516.94
5/8"	14.00	326.73	1021.00	1225.22	1633.63
	15.00	350.06	1093.93	1312.74	1750.32
	16.00	373.40	1166.86	1400.25	1867.00
3/4"	17.00	396.74	1239.79	1487.77	1983.69
	18.00	420.08	1312.72	1575.28	2100.38
	19.00	443.41	1385.65	1662.80	2217.07
7/8"	20.00	466.75	1458.58	1750.32	2333.75
	22.00	513.43	1604.44	1925.35	2567.13
1"	24.00	560.10	1750.29	2100.38	2800.50
	25.00	583.44	1823.22	2187.89	2917.19
1-1/8"	28.00	653.45	2042.01	2450.44	3267.25
1-1/4"	30.00	700.13	2187.87	2625.47	3500.63
	32.00	746.80	2333.73	2800.50	3734.01
1-5/8"	35.00	816.81	2552.51	3063.05	4084.07
	36.00	840.15	2625.44	3150.57	4200.76
1-1/2"	38.00	886.83	2771.30	3325.60	4434.13
1-5/8"	40.00	933.50	2917.16	3500.63	4667.51
1-3/4"	45.00	1050.19	3281.80	3938.21	5250.95

MILD STEEL PLATE

Hot Rolled Sheet and Coil - American Standard
(ASTM A36) / Japan Industrial Standard (JIS G3101)

Table 1 :
Dimensions and sectional properties of Mild Steel Plate



Size		Width x Length			
Thickness		4 ft x 8 ft	5 ft x 20 ft	6 ft x 20 ft	8 ft x 20 ft
Fraction	mm	Weight, kg			
2"	50.00	1166.88	3646.45	4375.79	5834.38
2-1/2"	60.00	1400.25	4375.74	5250.95	7001.26
	63.00	1470.26	4594.52	5513.49	7351.32
3"	75.00	1750.32	5469.67	6563.68	8751.58
3-1/2"	90.00	2100.38	6563.60	7876.42	10501.89
4"	100.00	2333.75	7292.89	8751.58	11668.77

Other sizes not specified in the scope of this table can be custom-made.

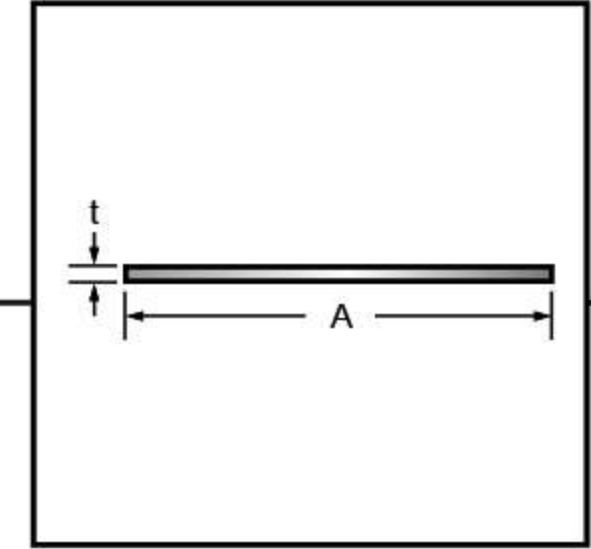
We also supply the following special grade of steel plates.

- ABS (American Bureau of Shipping)
- German Lloyds
- A572 - Gr. 50 (4', 6', 8' width or custom made sizes)
- A283 Gr. C
- AR Plates
- Corten Plates
- A709 (*weathering*) - custom made sizes

CHECKERED PLATE

Hot Rolled Sheet and Coil - American Standard
(ASTM A36) / Japan Industrial Standard (JIS G3101)

Table 1 :
Dimensions and sectional properties of Checkered Plate



Size		Width x Length
Thickness		4 ft x 8 ft
Fraction	mm	Weight, kg
1/16"	1.8	42.01
1/8"	2.0	46.68
	2.3	53.68
	2.5	58.34
	2.8	65.35
3/16"	3.0	70.01
	3.5	81.68
	3.7	86.35
	4.0	93.35

Size		Width x Length
Thickness		4 ft x 8 ft
Fraction	mm	Weight, kg
3/16"	4.5	105.02
	4.7	109.69
1/4"	5.0	116.69
	5.5	128.36
	6.0	140.03
3/8"	8.0	186.70
	10.0	233.38
1/2"	12.0	280.05

COLD ROLLED SHEET AND COIL

Cold Rolled Sheet and Coil - Japan Industrial Standard
(JIS G3141)

Table 1 :
Dimensions and sectional properties of Cold rolled sheet and coil



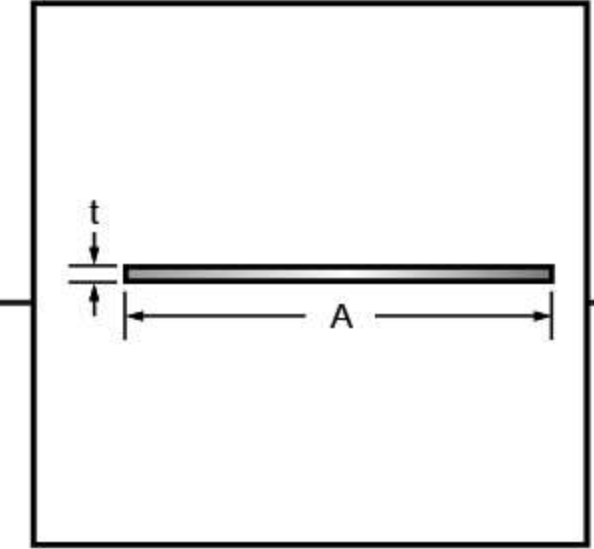
Size		Width x Length
Thickness		4 ft x 8 ft
Gauge	mm	Weight, kg
#26	0.40	9.34
	0.45	10.50
	0.50	11.67
	0.55	12.84
#24	0.60	14.00
	0.65	15.17
#22	0.70	16.34
	0.75	17.50
	0.80	18.67
	0.85	19.84
#20	0.90	21.00
	0.95	22.17
#18	1.00	23.34

Size		Width x Length
Thickness		4 ft x 8 ft
Gauge	mm	Weight, kg
#18	1.05	24.50
	1.10	25.67
	1.15	26.84
	1.20	28.01
	1.30	30.34
	1.35	31.51
#16	1.40	32.67
	1.45	33.84
	1.50	35.01
#14	1.60	37.34
	1.80	42.01
	2.00	46.68
	2.50	58.34

GALVANIZED IRON SHEET

Sheet and Coil - American Standard (ASTM A653) /
Japan Industrial Standard (JIS G3302)

Table 1 :
Dimensions and sectional properties of Galvanized iron sheel and coil



Size		Width x Length
Thickness		4 ft x 8 ft
Gauge	mm	<i>Weight, kg</i>
#26	0.40	9.34
	0.50	11.67
#24	0.60	14.00
#22	0.70	16.34
	0.80	18.67
#20	0.90	21.00
#18	1.00	23.34
	1.15	26.84
	1.20	28.01

Size		Width x Length
Thickness		4 ft x 8 ft
Gauge	mm	<i>Weight, kg</i>
#16	1.40	32.67
	1.50	35.01
	1.90	44.34
#14	2.00	46.68
	2.50	58.34
#12	2.70	63.01
#11	3.00	70.01
#8	4.00	93.35
#7	4.50	105.02

PURLINS

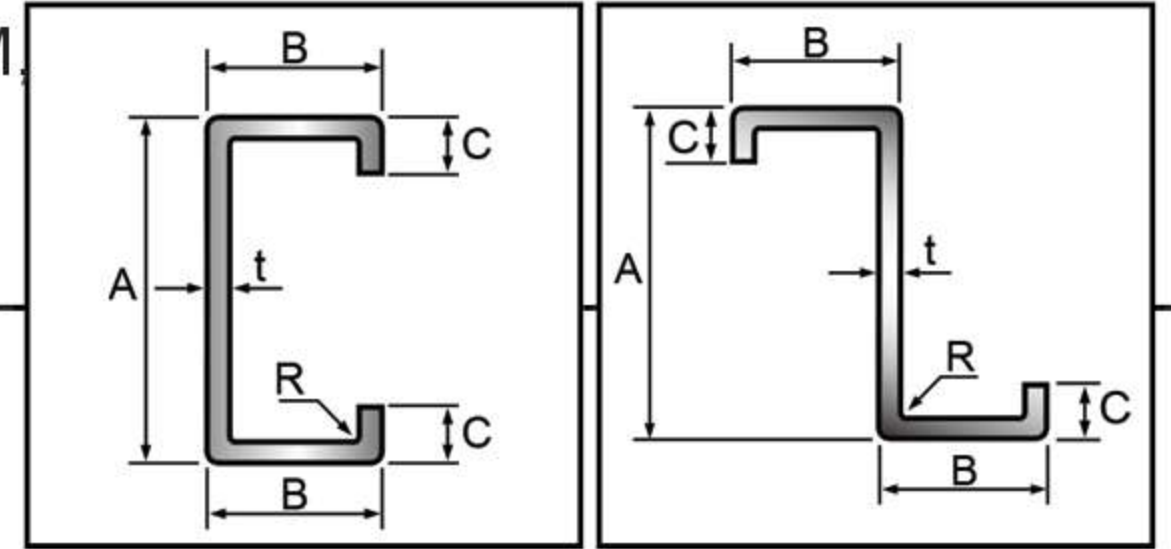


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C & Z PURLINS

American Standard (ASTM A653/A653M,
ASTM A570/A570M)

Table 1 :
Dimensions and sectional properties of C & Z Purlins

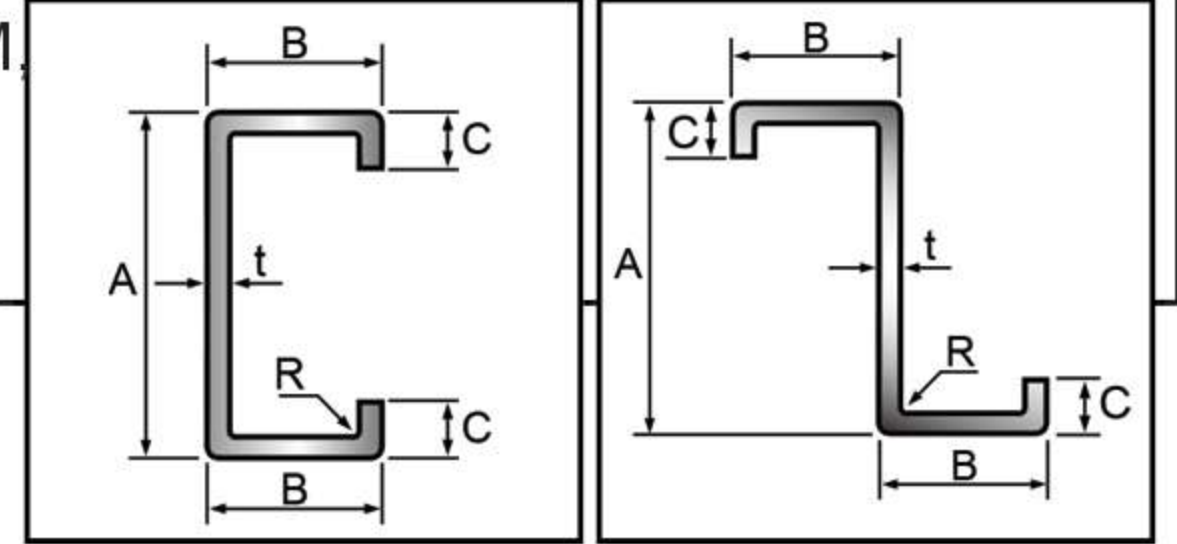


Dimensions				Mass	Weight per 6m kg
Height (A)	Width (B)	Lip (C)	Thickness (t)		
<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>mm</i>	kg/m	
3"	1-1/2"	1/2"	0.65	0.83	5.00
			0.70	0.90	5.38
			0.80	1.01	6.03
			0.90	1.13	6.78
			1.00	1.26	7.54
			1.05	1.32	7.91
			1.10	1.38	8.29
			1.20	1.51	9.04
			1.35	1.70	10.17
			1.50	1.88	11.30
			1.80	2.26	13.56
			2.00	2.51	15.07
3"	2"	1/2"	0.65	0.96	5.78
			0.70	1.04	6.22
			0.80	1.15	6.90
			0.90	1.29	7.76
			1.00	1.44	8.62
			1.05	1.51	9.05
			1.10	1.58	9.48
			1.20	1.69	10.15
			1.30	1.83	11.00
			1.35	1.94	11.64
			1.50	2.16	12.93
			1.80	2.59	15.51
4"	2"	1/2"	1.90	2.65	15.90
			2.00	2.87	17.24
			0.65	1.04	6.25
			0.70	1.12	6.73
			0.80	1.26	7.54
			0.90	1.41	8.48
			1.00	1.57	9.42
			1.05	1.65	9.89
			1.10	1.73	10.40
			1.20	1.88	11.30
			1.35	2.12	12.72
			1.50	2.32	13.90
			1.80	2.73	16.40
			2.00	3.03	18.20

C & Z PURLINS

American Standard (ASTM A653/A653M,
ASTM A570/A570M)

Table 1 :
Dimensions and sectional properties of C & Z Purlins



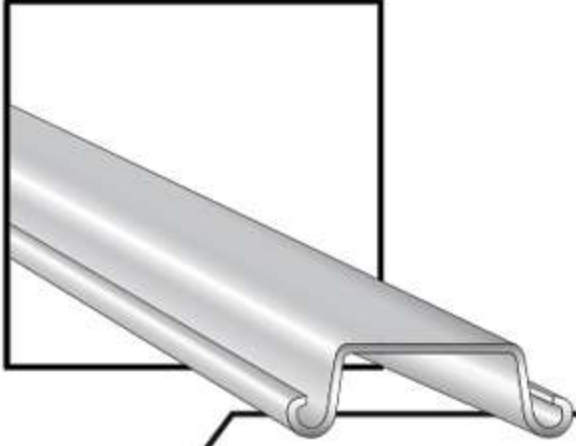
Dimensions				Mass	Weight per 6m kg
Height (A)	Width (B)	Lip (C)	Thickness (t)		
<i>inches</i>	<i>inches</i>	<i>inches</i>	<i>mm</i>	kg/m	
6"	2"	1/2"	0.65	1.30	7.81
			0.70	1.45	8.70
			0.80	1.58	9.50
			0.90	1.80	10.77
			1.00	1.99	11.96
			1.05	2.09	12.56
			1.10	2.19	13.16
			1.15	2.19	13.16
			1.20	2.39	14.36
			1.35	2.64	15.85
			1.50	2.93	17.60
			1.70	3.39	20.33
			1.80	3.72	22.30
			1.90	3.96	23.75
			2.00	4.15	24.90
7"	2"	1/2"	0.65	1.46	8.74
			0.70	1.57	9.42
			0.80	1.78	10.70
			0.90	1.97	11.82
			1.00	2.22	13.30
			1.05	2.33	14.00
			1.10	2.50	15.00
			1.20	2.67	16.00
			1.35	2.96	17.75
			1.50	3.32	19.90
			1.70	3.94	23.65
			1.80	4.07	24.40
			1.90	4.38	26.28
			2.00	4.53	27.20

Other sizes not specified in the scope of this table can be custom-made.

SHEET PILE



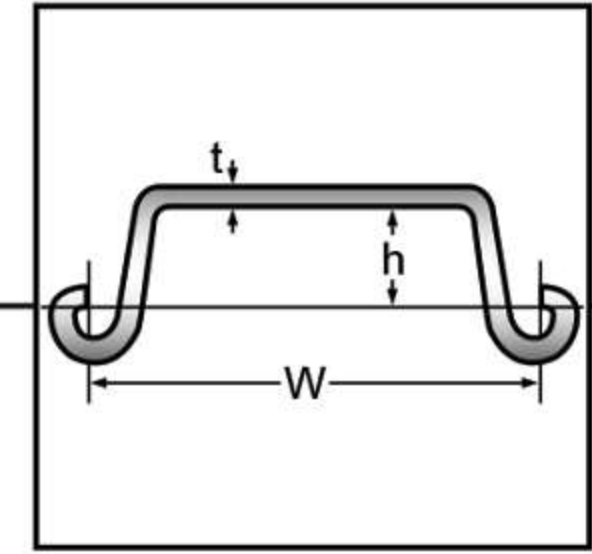
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Sheet Pile U-Type

Japanese Standard (JIS) | Hot & Cold Rolled

Table 1 :
Dimensions and sectional properties of Sheet Pile

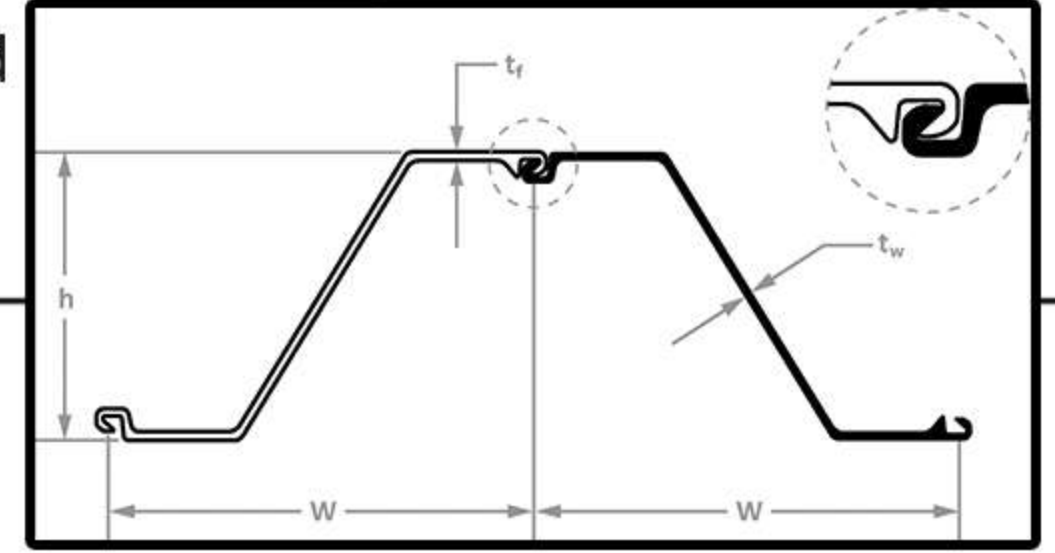


Type	Length	Mass	Dimensions			Weight
			Width	Height inches	Thickness	
	m	kgs/m	mm			kg
Type 2	9	48	400.00	100.00	10.5	432.00
	12					576.00
Type 3	8	60	400.00	125.00	13	480.00
	9					540.00
	12					720.00
Type 3-A	12	58.4				150.00
				700.80		
Type 4	12	76.1	400.00	170.00	15.5	913.20
Type 5L	12	105	500.00	200.00	24.3	1260.00
Type 6L	12	120	500.00	225.00	28.6	1440.00

Sheet Pile Z-Type

Japanese Standard (JIS) | Hot & Cold Rolled

Table 1 :
Dimensions and sectional properties of Sheet Pile



Type	Length	Mass	Dimensions			Weight
			Width	Height inches	Thickness	
	m	kgs/m	mm			kg
Type 12	8	72.8	770.00	343.50	8.6	582.40
	9					655.20
	12					873.60
Type 13	12	76.2	770.00	344.00	9.1	914.40
Type 14	12	79.6	770.00	344.50	9.6	955.20
Type 18	12	76.7	700.00	420.50	9.1	920.40
Type 24	12	95.8	700	459.2	11.3	1149.60
Type 26	12	103	700	460.2	12.3	1236.00
Type 36	11.8	94.7	700	449	11.2/15.1	1117.46
	12	118.7	700	499.2		1424.40
MHZ13-820	12	70.1	820	380	7.8	841.20
MHZ14-820	12	74.5	820	380	8.3	894.00
MHZ15-820	12	78.8	820	380	8.8	945.60
MHZ21-820	12	92.5	820	432	11.3	1110.00
MHZ23-820	12	101.1	820	432	12.3	1213.20
MHZ25-820	12	110.2	820	432	13.3	1322.40
MHZ12-1	12	72.8	770	361	8.6	873.60
MHZ13-1	12	76.2	770	360	9.1	914.40
MHZ14-1	12	79.6	770	360	9.6	955.20
MHZ17-1	12	73.3	700	365	8.5	879.60
MHZ18-1	12	76.7	700	365	9.1	920.40
MHZ19-1	12	80.2	700	365	9.6	962.40
MHZ20-1	12	83.7	700	365	10.1	1004.40
MHZ24-2	12	95.8	700	382	11.3	1149.60
MHZ26-2	12	103	700	382	12.3	1236.00
MHZ27-1	12	106.4	700	382	12.8	1276.80
MHZ28-2	12	110.1	700	450	13.3	1321.20
MHZ36-1	12	118.7	700	450	15.1	1424.40
MHZ38-1	12	126.5	700	450	16.1	1518.00
MHZ40-1	12	134.3	700	450	17.1	1611.60
MHZ42-1	12	143	700	450	18.1	1716.00
MHZ44-1	12	150.7	700	450	19.1	1808.40
MHZ46-1	12	158.5	700	450	20.1	1902.00
MHZ48-1	12	159.3	700	450	22.1	1911.60
MHZ50-1	12	166.7	700	450	23.1	2000.40
MHZ52-1	12	174.3	700	450	24.1	2091.60

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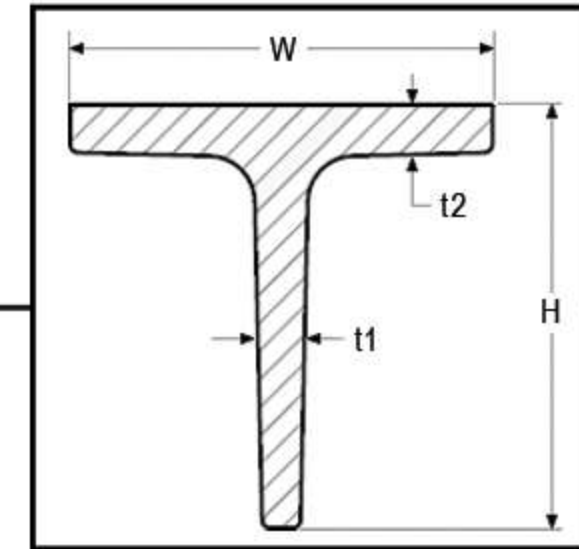
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T - BEAM

American Standard (ASTM A36)

Astm A572 Gr. 50 and ASTM A992 - for Special Order

Table 1 :
Dimensions and sectional properties of Wide flange



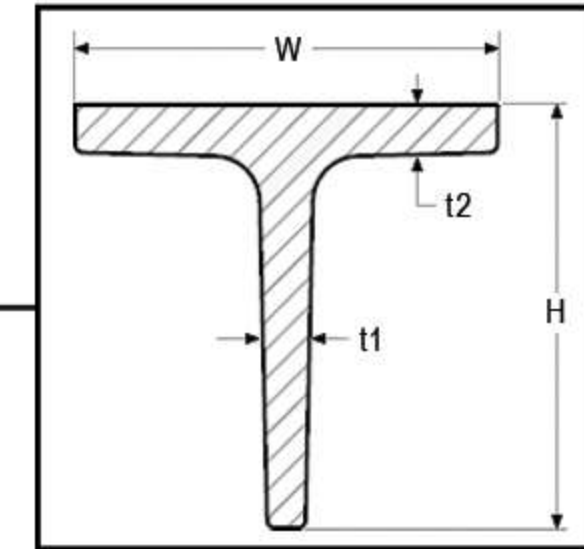
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches	6m	12m
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
2 x 4	6.5	9.50	7.10	2.08	4.16	59.09	118.17
2.5 x 5	8	9.10	6.10	2.50	5.00	72.72	145.44
	9.5	10.90	6.90	2.58	5.15	86.36	172.71
3 x 4	9	5.50	4.30	2.95	3.94	81.81	163.62
	12	7.10	5.80	3.00	4.00	109.08	218.16
	16	10.30	6.60	3.13	4.03	145.44	290.88
3 x 6	7.5	6.60	5.80	3.00	5.99	68.18	136.35
	10	9.30	6.60	3.25	6.02	90.90	181.80
	12.5	11.60	8.10	3.19	6.08	113.63	227.25
4 x 4	5	5.20	4.30	3.95	3.94	45.45	90.90
	6.5	6.50	5.80	4.00	4.00	59.09	118.17
	7.5	8.00	6.20	4.06	4.02	68.18	136.35
4 x 5-1/4	9	8.40	5.80	4.07	5.25	81.81	163.62
	10.5	10.20	6.40	4.14	5.27	95.45	190.89
4 x 6-1/2	12	10.10	6.20	3.97	6.50	109.08	218.16
	14	11.80	7.20	4.03	6.54	127.26	254.52
4 x 8	15.5	11.00	7.30	4.00	8.00	140.90	281.79
	17.5	12.50	8.00	4.06	8.03	159.08	318.15
	20	14.20	9.30	4.13	8.08	181.80	363.60
	24	17.30	10.30	4.25	8.12	218.16	436.32
	29	20.50	13.00	4.38	8.22	263.61	527.22
	33.5	25.20	14.60	4.50	8.29	304.52	609.03
5 x 4	6	5.30	4.80	4.94	3.96	54.54	109.08
	7.5	5.30	5.80	5.00	4.00	68.18	136.35
	8.5	8.40	6.10	5.06	4.01	77.27	154.53
	9.5	10.00	6.40	5.13	4.02	86.36	172.71
5 x 5-3/4	11	9.10	6.10	5.09	5.75	99.99	199.98
	13	9.10	6.10	5.17	5.75	118.17	236.34
	15	13.00	7.60	5.24	5.81	136.35	272.70
5 x 8	16.5	11.00	7.40	4.88	7.96	149.99	299.97
	19.5	13.40	8.10	4.97	7.99	177.26	354.51
	22.5	15.70	8.90	5.06	8.02	204.53	409.05
5 x 10	21	10.54	10.67	5.00	10.00	190.89	381.78
	24	11.00	11.00	5.00	10.00	218.16	436.32
	24.5	14.20	8.60	5.00	10.00	222.71	445.41
	27	15.70	9.30	5.06	10.03	245.43	490.86

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American Standard (ASTM A36)

Astm A572 Gr. 50 and ASTM A992 - for Special Order

Table 1 :
Dimensions and sectional properties of Wide flange



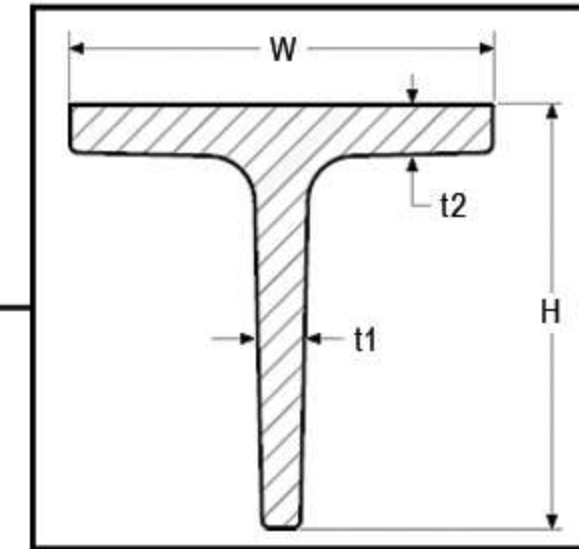
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
5 x 10	28.5	14.35	14.35	5	10	259.07	518.13
	30	17.30	10.50	5.13	10.08	272.7	545.4
	34	19.60	11.90	5.20	10.13	309.06	618.12
	36	14.00	13.00	5.00	10.00	327.24	654.48
	38.5	22.00	13.60	5.31	10.20	349.965	699.93
	44	25.10	15.40	5.42	10.27	399.96	799.92
	50	28.40	17.40	5.56	10.35	454.5	909
	56	31.70	19.20	5.69	10.42	509.04	1018.08
6 x 4	7	5.70	5.10	5.955	3.97	63.63	127.26
	8	6.70	5.60	5.995	3.99	72.72	145.44
	9.5	8.90	6.10	6.08	4.01	86.36	172.71
	11	10.80	6.60	6.155	4.03	99.99	199.98
6 x 6-1/2	13	9.7	5.8	6.11	6.49	118.17	236.34
	15	11.2	6.6	6.17	6.52	136.35	272.70
	15.5	12	6.5	5.90	6.70	140.90	281.79
	17.5	13.2	7.6	6.25	6.56	159.08	318.15
6 x 8	20	13.10	7.50	5.97	8.00	181.80	363.60
	22.5	14.60	8.50	6.03	8.04	204.53	409.05
	25	16.30	9.40	6.10	8.08	227.25	454.50
6 x 10	26.5	14.60	8.80	6.03	10.00	240.89	481.77
	29	16.30	9.10	6.10	10.01	263.61	527.22
6 x 12	26.5	11.05	11.05	6.00	12.00	240.89	481.77
	31.5	13.08	13.08			286.34	572.67
	32.5	15.40	9.90	6.06	12.00	295.43	590.85
	36	17.00	10.90	6.13	12.04	327.24	654.48
	37	15.37	15.48	6.00	12.00	336.33	672.66
	39.5	18.70	11.90	6.19	12.08	359.06	718.11
	42	17.40	17.40	6.00	12.00	381.78	763.56
	43.5	20.60	13.10	6.27	12.13	395.42	790.83
	46	21.74	13.84	6.00	12.00	418.14	836.28
	48	22.90	14.00	6.36	12.16	436.32	872.64
	53	25.00	15.70	6.44	12.23	481.77	963.54
	60	28.10	18.00	6.56	12.32	545.40	1090.80
	68	31.80	20.10	6.71	12.40	618.12	1236.24
	76	35.60	22.10	6.86	12.48	690.84	1381.68
12 x 14	85	39.60	24.40	7.015	12.57	772.65	1545.30

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American Standard (ASTM A36)

Astm A572 Gr. 50 and ASTM A992 - for Special Order

Table 1 :
Dimensions and sectional properties of Wide flange



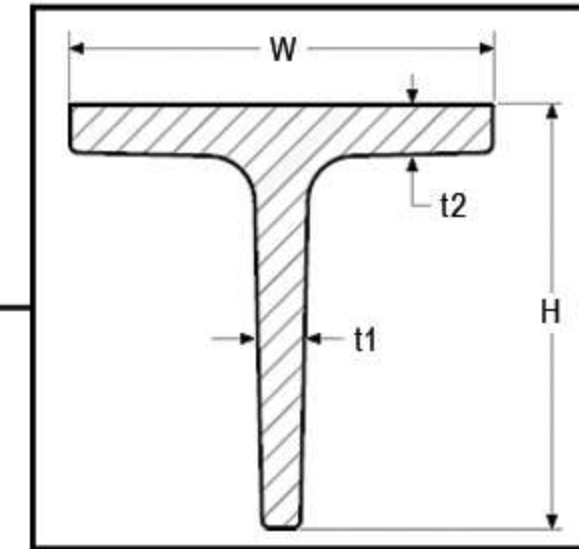
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
6 x 14	95	44.10	26.90	7.19	12.67	863.55	1727.10
6 x 16	105	48.30	30.00	7.355	12.79	954.45	1908.90
	115	52.60	32.60	7.525	12.90	1045.35	2090.70
	126	57.20	35.40	7.705	13.01	1145.34	2290.68
	139.5	62.70	38.90	7.925	13.14	1268.06	2536.11
	152.5	68.70	41.20	8.16	13.24	1386.23	2772.45
	168	75.10	45.10	8.41	13.39	1527.12	3054.24
7 x 5	11	8.50	5.80	6.86	5.00	99.99	199.98
	13	10.60	6.50	6.95	5.03	118.17	236.34
7 x 6-3/4	15	9.70	6.90	6.93	8.00	136.35	272.70
	17	11.50	7.30	7.00	6.75	154.53	309.06
	19	13.00	8.00	7.06	6.78	172.71	345.42
7 x 8	21.5	13.40	7.80	6.84	8.00	195.44	390.87
	24	15.10	8.60	6.91	8.03	218.16	436.32
	26.5	16.70	9.40	6.97	8.06	240.89	481.77
7 x 10	30.5	16.30	9.60	6.96	10.00	277.25	554.49
	34	18.20	10.60	7.03	10.04	309.06	618.12
	37	19.90	11.40	7.10	10.07	336.33	672.66
	41	21.70	13.00	7.16	10.13	372.69	745.38
7 x 14-1/2	36.5	12.83	12.83	7.00	14.50	331.79	663.57
	44.5	15.62	15.62			404.51	809.01
	45	18.03	11.18	7.01	14.52	409.05	818.10
	49.5	19.81	12.32	7.08	14.57	449.96	899.91
	51	17.91	17.91	7.00	14.50	463.59	927.18
	54.5	21.84	13.34	7.16	14.61	495.41	990.81
	58.5	20.45	20.45	7.00	14.50	531.77	1063.53
	60	23.88	14.99	7.24	14.67	545.40	1090.80
	66	26.16	16.38	7.33	14.73	599.94	1199.88
7 x 16	72.5	27.70	17.30	7.39	15.50	659.03	1318.05
	79.5	30.20	18.90	7.48	15.57	722.66	1445.31
	88	33.40	20.80	7.63	15.64	799.92	1599.84
	96.5	36.50	22.60	7.75	15.71	877.19	1754.37
	105.5	39.70	24.90	7.88	15.80	959.00	1917.99
	116.5	43.70	27.20	8.02	15.89	1058.99	2117.97
	128.5	48.00	29.80	8.19	16.00	1168.07	2336.13
	141.5	52.60	32.80	8.37	16.11	1286.24	2572.47

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American Standard (ASTM A36)

Astm A572 Gr. 50 and ASTM A992 - for Special Order

Table 1 :
Dimensions and sectional properties of Wide flange



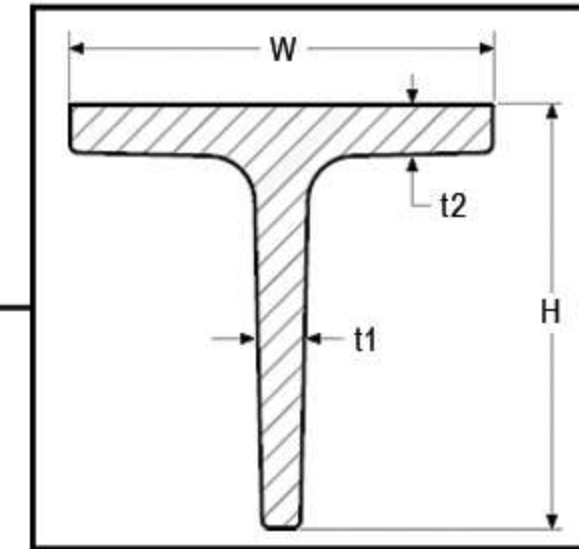
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
7 x 16	155.5	57.40	35.80	8.56	16.23	1413.50	2826.99
	171	62.70	39.20	8.78	16.37	1554.39	3108.78
	185	67.50	42.00	8.97	16.48	1681.65	3363.30
	199	72.20	45.00	9.16	16.59	1808.91	3617.82
	213	77.00	47.60	9.35	16.70	1936.17	3872.34
	227.5	81.60	51.00	9.53	16.83	2067.98	4135.95
	250	88.90	55.60	9.82	17.01	2272.50	4545.00
	275	97.00	60.60	10.13	17.21	2499.75	4999.50
	302.5	105.60	66.00	10.47	17.42	2749.73	5499.45
	332.5	114.90	71.80	10.84	17.65	3022.43	6044.85
	365	124.70	78.00	11.22	17.89	3317.85	6635.70
8 x 5-1/2	13	8.80	6.40	7.83	5.00	118.17	236.34
	15.5	11.20	7.00	7.92	5.53	140.90	281.79
8 x 7	18	10.90	7.60	7.93	6.99	163.62	327.24
	20	12.80	7.80	8.00	7.00	181.80	363.60
	22.5	14.30	8.80	8.06	7.04	204.53	409.05
	25	16.00	9.70	8.13	7.07	227.25	454.50
	28.5	18.20	10.90	8.22	7.12	259.07	518.13
8 x 10-1/4	33.5	16.90	10.00	8.17	10.24	304.52	609.03
	38.5	19.30	11.60	8.26	10.30	349.97	699.93
	44.5	22.20	13.30	8.38	10.37	404.51	809.01
	50	25.00	14.90	8.49	10.43	454.50	909.00
9 x 6	17.5	10.90	7.60	8.86	6.00	159.08	318.15
	20	13.30	8.00	8.95	6.02	181.80	363.60
	23	15.40	9.10	9.03	6.06	209.07	418.14
	25	14.48	9.02	9.00	6.00	227.25	454.50
	27.5	16.00	9.91	9.00	6.00	249.98	499.95
9 x 7-1/2	25	14.50	9.10	9.00	7.50	227.25	454.50
	27.5	16.00	9.90	9.06	7.53	249.98	499.95
	30	17.70	10.60	9.13	7.56	272.70	545.40
	32.5	19.10	11.40	9.18	7.59	295.43	590.85
	35.5	20.60	12.60	9.24	7.64	322.70	645.39
9 x 11	38	17.30	10.80	9.11	11.04	345.42	690.84
	43	19.60	12.20	9.20	11.09	390.87	781.74
	48.5	22.10	13.60	9.30	11.15	440.87	881.73
	53	23.90	15.00	9.37	11.20	481.77	963.54

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American Standard (ASTM A36)

Astm A572 Gr. 50 and ASTM A992 - for Special Order

Table 1 :
Dimensions and sectional properties of Wide flange



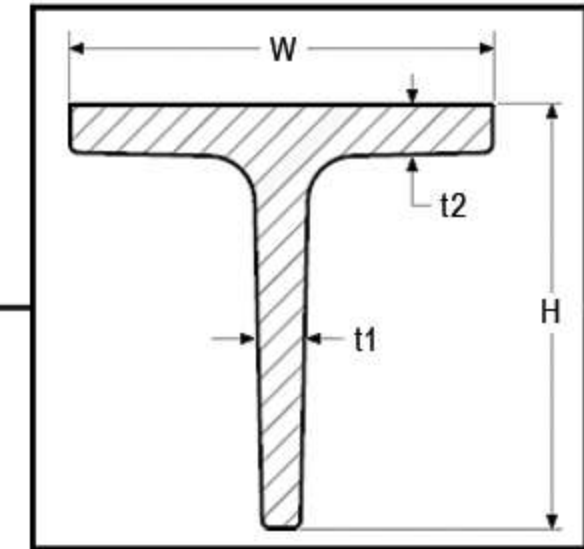
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H)	Flange Width (W)		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm	inches	inches	6m	12m
9 x 11	59.5	26.90	16.60	9.49	11.27	540.86	1081.71
	65	30.50	17.00	9.63	11.16	590.85	1181.70
	71.5	33.50	18.50	9.75	11.22	649.94	1299.87
	79	36.60	20.60	9.86	11.30	718.11	1436.22
	87.5	40.40	22.60	9.00	11.00	795.38	1590.75
	96	44.45	24.38			872.64	1745.28
	105.5	48.51	26.92			959.00	1917.99
	117	53.59	29.46			1063.53	2127.06
10.5 x 6-1/2	22	11.50	8.80	10.33	6.50	199.98	399.96
	25	13.60	9.70	10.42	6.53	227.25	454.50
	28.5	16.50	10.30	10.53	6.56	259.07	518.13
10.5 x 8-1/4	24	10.92	8.89	10.50	8.25	218.16	436.32
	27.5	13.21	9.40			249.975	499.95
	31	15.60	10.20	10.50	8.24	281.79	563.58
	34	17.40	10.90	10.57	8.25	309.06	618.12
	36.5	18.80	11.60	10.62	8.30	331.785	663.57
	41.5	21.20	13.1	10.715	8.36	377.235	754.47
	46.5	23.6	14.7	10.81	8.42	422.685	845.37
10.5 x 12-1/4	50.5	20.30	12.70	10.68	12.29	459.045	918.09
	55.5	22.20	14.00	10.755	12.34	504.495	1008.99
	61	24.40	15.20	10.84	12.39	554.49	1108.98
	66	26.30	16.50	10.915	12.44	599.94	1199.88
	73.5	29.20	18.30	11.03	12.51	668.115	1336.23
	83	34.5	19.1	11.24	12.42	754.47	1508.94
12 x 7	27.5	12.80	10.10	11.775	7.00	249.975	499.95
	31	15.00	10.90	11.87	7.04	281.79	563.58
12 x 9	34	14.80	10.60	11.855	8.96	309.06	618.12
	38	17.30	11.20	11.955	8.99	345.42	690.84
	42	19.60	11.90	12.045	9.02	381.78	763.56
	47	22.10	13.10	12.145	9.06	427.23	854.46
	51.5	24.90	14.00	12.265	9.00	468.135	936.27
12 x 12	50	19.70	11.90	12.00	12.00	454.50	909.00
	52	19.10	12.70	12.03	12.75	472.68	945.36
	58.5	21.60	14.00	12.13	12.80	531.765	1063.53
	60	23.60	14.10	12.16	12.09	545.4	1090.80
	65.5	24.40	15.40	12.24	12.86	595.395	1190.79

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American Standard (ASTM A36)

Astm A572 Gr. 50 and ASTM A992 - for Special Order

Table 1 :
Dimensions and sectional properties of Wide flange



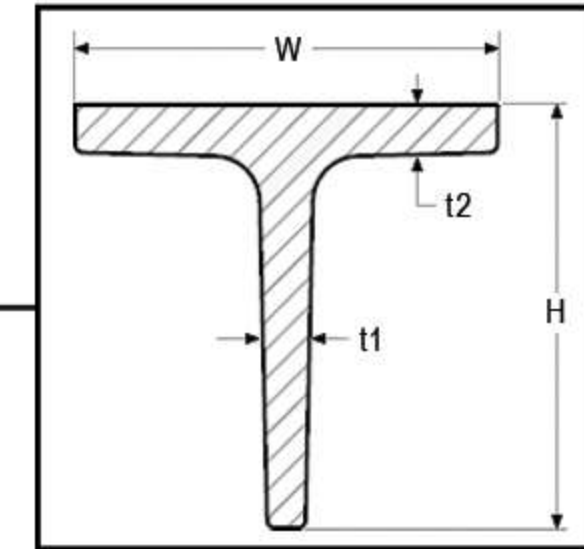
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of	Flange Width		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm	Section (H) inches	(W) inches	6m	12m
12 x 12	73	27.70	16.50	12.37	12.90	663.57	1327.14
	80	31.40	18.60	12.46	12.26	727.2	1454.40
	81	31.00	17.90	12.50	12.96	736.29	1472.58
	88	34.00	19.10	12.62	12.89	799.92	1599.84
	96	37.10	20.60	12.74	12.95	872.64	1745.28
	103.5	39.90	22.10	12.86	13.01	940.815	1881.63
	114.5	43.90	24.40	13.01	13.11	1040.805	2081.61
	125	48.00	25.40	13.17	13.19	1136.25	2272.50
	139.5	53.10	29.50	12.00	12.75	1268.055	2536.11
	153	57.90	32.00			1390.77	2781.54
	167.5	63.00	35.10			1522.575	3045.15
	185	69.10	38.60			1681.65	3363.30
13.5 x 10	42	16.20	11.80	13.35	9.63	381.78	763.56
	47	19.00	12.40	13.46	9.99	427.23	854.46
	51	21.00	13.20	13.54	10.02	463.59	927.18
	57	23.70	14.50	13.64	10.07	518.13	1036.26
	64.5	27.90	15.50	13.82	10.01	586.31	1172.61
13.5 x 14	73	24.80	15.40	13.69	13.97	663.57	1327.14
	80.5	27.40	16.80	13.80	14.02	731.75	1463.49
	89	30.20	18.40	13.91	14.09	809.01	1618.02
	97	34.00	19.10	14.06	14.04	881.73	1763.46
	108.5	38.10	21.10	14.22	14.12	986.27	1972.53
	117.5	40.90	23.10	14.33	14.19	1068.08	2136.15
	129	45.00	24.90	14.49	14.27	1172.61	2345.22
	140.5	49.00	26.90	14.65	14.35	1277.15	2554.29
	153.5	53.10	29.50	14.81	14.45	1395.32	2790.63
	168	57.90	32.00	15.00	14.55	1527.12	3054.24
	184	63.00	35.10	15.195	14.67	1672.56	3345.12
15 x 10-1/2	45	15.50	11.90	15.00	10.50	409.05	818.10
	49.5	17.00	13.30	14.82	10.46	449.96	899.91
	54	19.30	13.90	14.91	10.48	490.86	981.72
	58	21.60	14.30	15.00	10.50	527.22	1054.44
	62	23.60	14.90	15.08	10.52	563.58	1127.16
	66	25.40	15.60	15.15	10.55	599.94	1199.88
	74	30.00	16.50	15.34	10.48	672.66	1345.32
15 x 15	86.5	27.10	16.60	15.22	14.99	786.29	1572.57

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American Standard (ASTM A36)

Astm A572 Gr. 50 and ASTM A992 - for Special Order

Table 1 :
Dimensions and sectional properties of Wide flange



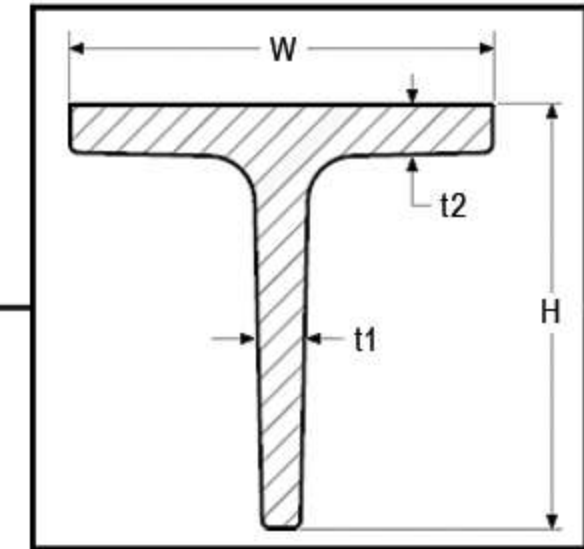
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of	Flange		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm	Section (H) inches	Width (W) inches	6m	12m
15 x 15	95.5	30.10	16.60	15.34	15.04	868.10	1736.19
	105.5	33.40	18.00	15.47	15.11	959.00	1917.99
	117.5	38.10	21.10	15.65	15.06	1068.08	2136.15
	130.5	41.90	23.60	15.81	15.16	1186.25	2372.49
	146	47.00	25.90	16.01	15.26	1327.14	2654.28
	163	52.10	29.00	16.20	15.37	1481.67	2963.34
	178.5	56.90	31.50	16.40	15.47	1622.57	3245.13
	195.5	62.00	34.50	16.60	15.56	1777.10	3554.19
16.5 x 11-1/2	59	18.70	14.10	16.43	11.48	536.31	1072.62
	65	21.70	14.70	16.55	11.51	590.85	1181.70
	70.5	24.40	15.40	16.66	11.54	640.85	1281.69
	76	26.80	16.10	16.75	11.57	690.84	1381.68
	84.5	31.00	17.00	16.91	11.50	768.11	1536.21
16.5 x 15-3/4	100	29.20	18.20	16.84	15.75	909.00	1818.00
	110	32.40	19.70	16.97	15.81	999.90	1999.80
	120	35.60	21.10	17.09	15.86	1090.80	2181.60
	131.5	39.90	22.10	17.27	15.81	1195.34	2390.67
	145.5	43.90	24.40	17.42	15.91	1322.60	2645.19
	159	48.00	26.40	17.58	15.99	1445.31	2890.62
	177	53.10	29.50	17.78	16.10	1608.93	3217.86
	193.5	57.90	32.00	17.98	16.20	1758.92	3517.83
18 x 12	68	20.20	15.20	17.78	11.95	613.58	1227.15
	75	23.90	15.90	17.92	11.97	681.75	1363.50
	80	25.90	16.60	18.00	12.00	727.20	1454.40
	85	27.90	17.30	18.08	12.03	772.65	1545.30
	91	30.00	18.40	18.16	12.07	827.19	1654.38
	97	32.00	19.60	18.24	12.12	881.73	1763.46
	105	34.50	21.10	18.35	12.18	954.45	1908.90
	116	39.90	22.10	18.56	12.12	1054.44	2108.88
	128	43.90	24.40	18.72	12.22	1163.52	2327.04
18 x 16-1/2	115	32.00	19.40	17.94	16.48	1045.35	2090.70
	122.5	34.30	20.80	18.03	16.51	1113.53	2227.05
	130	36.60	21.50	18.12	16.56	1181.70	2363.40
	140	39.90	22.50	18.25	16.60	1272.60	2545.20
	150	42.70	24.00	18.36	16.66	1363.50	2727.00
	164	47.00	25.90	18.55	16.63	1490.76	2981.52

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American Standard (ASTM A36)

Astm A572 Gr. 50 and ASTM A992 - for Special Order

Table 1 :
Dimensions and sectional properties of Wide flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
18 x 16-1/2	179.5	51.10	28.40	18.70	16.73	1631.66	3263.31
	196.5	55.90	31.00	18.90	16.83	1786.19	3572.37
20 x 12	75	21.10	16.00	19.10	11.81	677.21	1354.41
	84	26.00	16.50	19.30	11.81	759.02	1518.03
	92	31.00	16.50	19.49	11.81	831.74	1663.47
	106	35.90	19.10	19.69	11.81	959.00	1917.99
	117.5	40	21.1	19.845	11.89	1068.08	2136.15
	132	43.90	24.40	20.00	11.93	1199.88	2399.76
20 x 16	99.5	27.1	16.5	19.335	15.75	904.46	1808.91
	108	31.00	16.50	19.49	15.75	977.18	1954.35
	125	36.10	19.10	19.69	15.75	1131.71	2263.41
	139	40.00	21.10	19.85	15.83	1258.97	2517.93
	147	49.00	26.90	20.20	12.01	1336.23	2672.46
	149	41.90	23.60	19.92	15.83	1349.87	2699.73
	162	46.00	25.40	20.08	15.91	1472.58	2945.16
	164	54.10	30.00	20.40	12.13	1486.22	2972.43
	181	51.10	28.40	20.28	16.12	1645.29	3290.58
	199	55.90	31.00	20.48	16.12	1804.37	3608.73

Other sizes not specified in the scope of this table can be custom-made.

WIDE FLANGE



SERVICING NATIONWIDE
LUZON • VISAYAS • MINDANAO

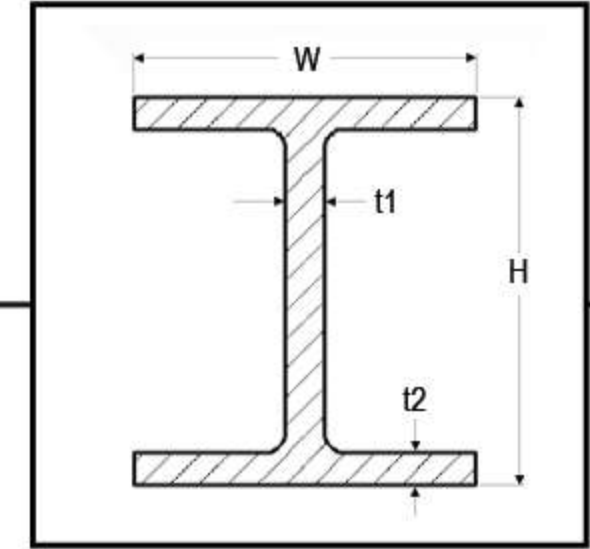


WIDE FLANGE

American Standard (ASTM A36)

ASTM A572 Gr. 50 and ASTM A992 - *for Special Order*

Table 1 :
Dimensions and sectional properties of Wide Flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
W4 4 x 4	13	9.50	7.10	4.16	4.16	118.17	236.34
W5 5 x 5	16	9.10	6.10	5.00	5.00	145.44	290.88
	19	10.90	6.90	5.00	5.15	172.71	345.42
W6 6 x 4	9	5.50	4.30	5.00	3.94	81.81	163.62
	12	7.10	5.80	5.00	4.00	109.08	218.16
	16	10.30	6.60	5.00	4.03	145.44	290.88
6 x 6	15	6.60	5.80	5.00	5.99	136.35	272.70
	20	9.30	6.60	5.00	6.02	181.80	363.60
	25	11.60	8.10	5.00	6.08	227.25	454.50
W8 8 x 4	10	5.20	4.30	5.00	3.94	90.90	181.80
	13	6.50	5.80	5.00	4.00	118.17	236.34
	15	8.00	6.20	5.00	4.02	136.35	272.70
8 x 5-1/4	18	8.40	5.80	5.00	5.25	163.62	327.24
	21	10.20	6.40	5.00	5.27	190.89	381.78
8 x 6-1/2	24	10.10	6.20	5.00	6.50	218.16	436.32
	28	11.80	7.20	5.00	6.54	254.52	509.04
8 x 8	31	11.00	7.30	5.00	8.00	281.79	563.58
	35	12.50	8.00	5.00	8.03	318.15	636.30
	40	14.20	9.30	5.00	8.08	363.60	727.20
	48	17.30	10.30	5.00	8.12	436.32	872.64
	58	20.50	13.00	5.00	8.22	527.22	1054.44
	67	25.20	14.60	5.00	8.29	609.03	1218.06
W10 10 x 4	12	5.30	4.80	5.00	3.96	109.08	218.16
	15	5.30	5.80	5.00	4.00	136.35	272.70
	17	8.40	6.10	5.00	4.01	154.53	309.06
	19	10.00	6.40	5.00	4.02	172.71	345.42
10 x 5-3/4	22	9.10	6.10	5.00	5.75	199.98	399.96
	26	9.10	6.10	5.00	5.75	236.34	472.68
	30	13.00	7.60	5.00	5.81	272.70	545.40
10 x 8	33	11.00	7.40	5.00	7.96	299.97	599.94
	39	13.40	8.10	5.00	7.99	354.51	709.02
	45	15.70	8.90	5.00	8.02	409.05	818.10
10 x 10	42	10.54	10.67	5.00	10.00	381.78	763.56
	48	11.00	11.00	5.00	10.00	436.32	872.64
	49	14.20	8.60	5.00	10.00	445.41	890.82
	54	15.70	9.30	5.00	10.03	490.86	981.72

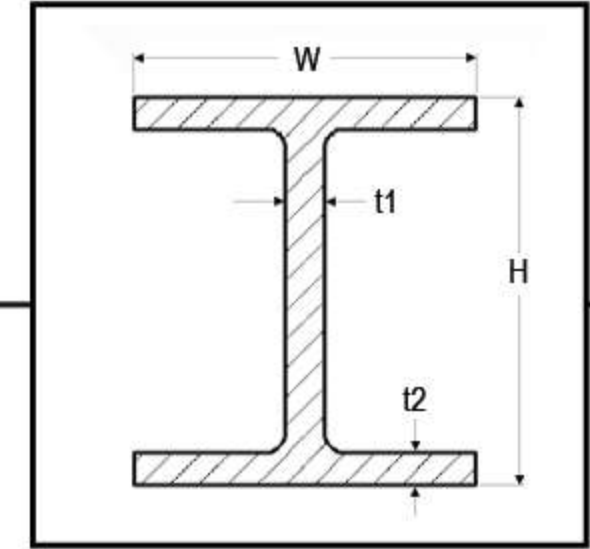


WIDE FLANGE

American Standard (ASTM A36)

ASTM A572 Gr. 50 and ASTM A992 - *for Special Order*

Table 1 :
Dimensions and sectional properties of Wide Flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
10 x 10	57	14.35	14.35	10	10	518.13	1036.26
	60	17.30	10.50	10.25	10.08	545.4	1090.8
	68	19.60	11.90	10.40	10.13	618.12	1236.24
	72	14.00	13.00	10.00	10.00	654.48	1308.96
	77	22.00	13.60	10.62	10.20	699.93	1399.86
	88	25.10	15.40	10.84	10.27	799.92	1599.84
	100	28.40	17.40	11.12	10.35	909	1818
	112	31.70	19.20	11.38	10.42	1018.08	2036.16
W12 12 x 4	14	5.70	5.10	11.91	3.97	127.26	254.52
	16	6.70	5.60	11.99	3.99	145.44	290.88
	19	8.90	6.10	12.16	4.01	172.71	345.42
	22	10.80	6.60	12.31	4.03	199.98	399.96
12 x 6-1/2	26	9.7	5.8	12.22	6.49	236.34	472.68
	30	11.2	6.6	12.34	6.52	272.70	545.40
	31	12	6.5	11.80	6.70	281.79	563.58
	35	13.2	7.6	12.50	6.56	318.15	636.30
12 x 8	40	13.10	7.50	11.94	8.00	363.60	727.20
	45	14.60	8.50	12.06	8.04	409.05	818.10
	50	16.30	9.40	12.19	8.08	454.50	909.00
12 x 10	53	14.60	8.80	12.06	10.00	481.77	963.54
	58	16.30	9.10	12.19	10.01	527.22	1054.44
12 x 12	53	11.05	11.05	12.00	12.00	481.77	963.54
	63	13.08	13.08			572.67	1145.34
	65	15.40	9.90	12.12	12.00	590.85	1181.70
	72	17.00	10.90	12.25	12.04	654.48	1308.96
	74	15.37	15.48	12.00	12.00	672.66	1345.32
	79	18.70	11.90	12.38	12.08	718.11	1436.22
	84	17.40	17.40	12.00	12.00	763.56	1527.12
	87	20.60	13.10	12.53	12.13	790.83	1581.66
	92	21.74	13.84	12.00	12.00	836.28	1672.56
	96	22.90	14.00	12.71	12.16	872.64	1745.28
	106	25.00	15.70	12.88	12.23	963.54	1927.08
	120	28.10	18.00	13.12	12.32	1090.80	2181.60
	136	31.80	20.10	13.41	12.40	1236.24	2472.48
	152	35.60	22.10	13.71	12.48	1381.68	2763.36
12 x 14	170	39.60	24.40	14.03	12.57	1545.30	3090.60

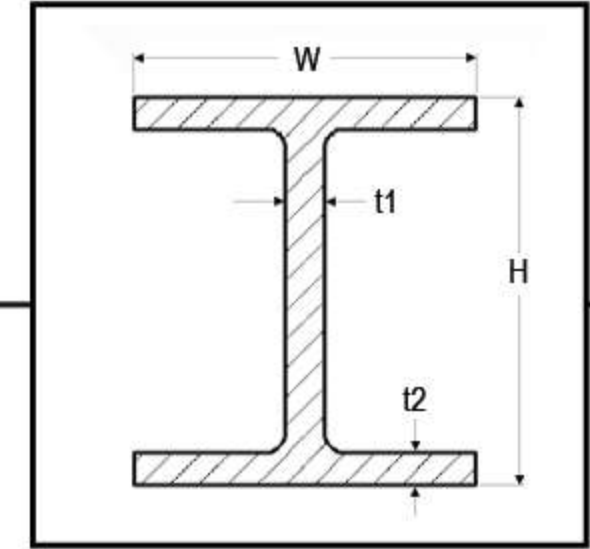


WIDE FLANGE

American Standard (ASTM A36)

ASTM A572 Gr. 50 and ASTM A992 - *for Special Order*

Table 1 :
Dimensions and sectional properties of Wide Flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
12 x 14	190	44.10	26.90	14.38	12.67	1727.10	3454.20
12 x 16	210	48.30	30.00	14.71	12.79	1908.90	3817.80
	230	52.60	32.60	15.05	12.90	2090.70	4181.40
	252	57.20	35.40	15.41	13.01	2290.68	4581.36
	279	62.70	38.90	15.85	13.14	2536.11	5072.22
	305	68.70	41.20	16.32	13.24	2772.45	5544.90
	336	75.10	45.10	16.82	13.39	3054.24	6108.48
W14 14 x 5	22	8.50	5.80	13.72	5.00	199.98	399.96
	26	10.60	6.50	13.89	5.03	236.34	472.68
14 x 6-3/4	30	9.70	6.90	13.86	8.00	272.70	545.40
	34	11.50	7.30	14.00	6.75	309.06	618.12
	38	13.00	8.00	14.12	6.78	345.42	690.84
14 x 8	43	13.40	7.80	13.68	8.00	390.87	781.74
	48	15.10	8.60	13.81	8.03	436.32	872.64
	53	16.70	9.40	13.94	8.06	481.77	963.54
14 x 10	61	16.30	9.60	13.91	10.00	554.49	1108.98
	68	18.20	10.60	14.06	10.04	618.12	1236.24
	74	19.90	11.40	14.19	10.07	672.66	1345.32
	82	21.70	13.00	14.31	10.13	745.38	1490.76
14 x 14-1/2	73	12.83	12.83	14.00	14.50	663.57	1327.14
	89	15.62	15.62			809.01	1618.02
	90	18.03	11.18	14.02	14.52	818.10	1636.20
	99	19.81	12.32	14.16	14.57	899.91	1799.82
	102	17.91	17.91	14.00	14.50	927.18	1854.36
	109	21.84	13.34	14.32	14.61	990.81	1981.62
	117	20.45	20.45	14.00	14.50	1063.53	2127.06
	120	23.88	14.99	14.48	14.67	1090.80	2181.60
	132	26.16	16.38	14.66	14.73	1199.88	2399.76
14 x 16	145	27.70	17.30	14.78	15.50	1318.05	2636.10
	159	30.20	18.90	14.95	15.57	1445.31	2890.62
	176	33.40	20.80	15.25	15.64	1599.84	3199.68
	193	36.50	22.60	15.50	15.71	1754.37	3508.74
	211	39.70	24.90	15.75	15.80	1917.99	3835.98
	233	43.70	27.20	16.04	15.89	2117.97	4235.94
	257	48.00	29.80	16.38	16.00	2336.13	4672.26
	283	52.60	32.80	16.74	16.11	2572.47	5144.94

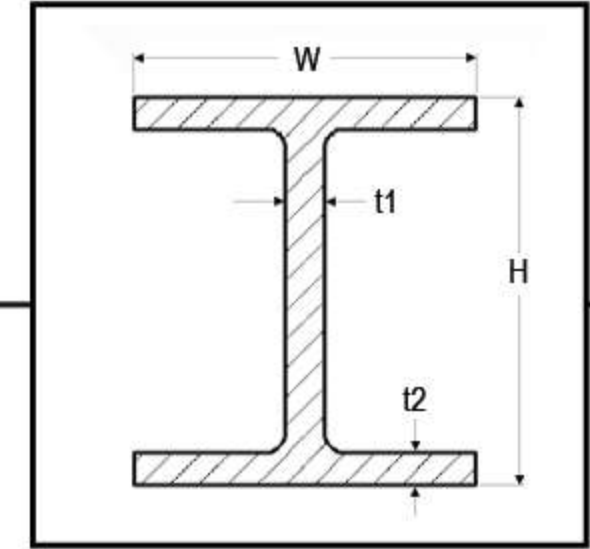


WIDE FLANGE

American Standard (ASTM A36)

ASTM A572 Gr. 50 and ASTM A992 - *for Special Order*

Table 1 :
Dimensions and sectional properties of Wide Flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
14 x 16	311	57.40	35.80	17.12	16.23	2826.99	5653.98
	342	62.70	39.20	17.56	16.37	3108.78	6217.56
	370	67.50	42.00	17.94	16.48	3363.30	6726.60
	398	72.20	45.00	18.31	16.59	3617.82	7235.64
	426	77.00	47.60	18.69	16.70	3872.34	7744.68
	455	81.60	51.00	19.05	16.83	4135.95	8271.90
	500	88.90	55.60	19.63	17.01	4545.00	9090.00
	550	97.00	60.60	20.26	17.21	4999.50	9999.00
	605	105.60	66.00	20.94	17.42	5499.45	10998.90
	665	114.90	71.80	21.67	17.65	6044.85	12089.70
	730	124.70	78.00	22.44	17.89	6635.70	13271.40
W16 16 x 5-1/2	26	8.80	6.40	15.65	5.00	236.34	472.68
	31	11.20	7.00	15.84	5.53	281.79	563.58
16 x 7	36	10.90	7.60	15.85	6.99	327.24	654.48
	40	12.80	7.80	16.00	7.00	363.60	727.20
	45	14.30	8.80	16.12	7.04	409.05	818.10
	50	16.00	9.70	16.25	7.07	454.50	909.00
	57	18.20	10.90	16.43	7.12	518.13	1036.26
16 x 10-1/4	67	16.90	10.00	16.33	10.24	609.03	1218.06
	77	19.30	11.60	16.52	10.30	699.93	1399.86
	89	22.20	13.30	16.75	10.37	809.01	1618.02
	100	25.00	14.90	16.97	10.43	909.00	1818.00
W18 18 x 6	35	10.90	7.60	17.71	6.00	318.15	636.30
	40	13.30	8.00	17.90	6.02	363.60	727.20
	46	15.40	9.10	18.06	6.06	418.14	836.28
	50	14.48	9.02	18.00	6.00	454.50	909.00
	55	16.00	9.91	18.00	6.00	499.95	999.90
18 x 7-1/2	50	14.50	9.10	18.00	7.50	454.50	909.00
	55	16.00	9.90	18.12	7.53	499.95	999.90
	60	17.70	10.60	18.25	7.56	545.40	1090.80
	65	19.10	11.40	18.35	7.59	590.85	1181.70
	71	20.60	12.60	18.47	7.64	645.39	1290.78
18 x 11	76	17.30	10.80	18.21	11.04	690.84	1381.68
	86	19.60	12.20	18.39	11.09	781.74	1563.48
	97	22.10	13.60	18.59	11.15	881.73	1763.46
	106	23.90	15.00	18.73	11.20	963.54	1927.08

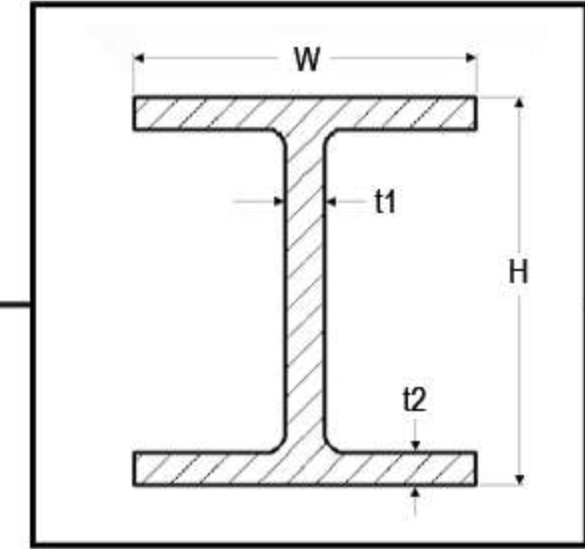


WIDE FLANGE

American Standard (ASTM A36)

ASTM A572 Gr. 50 and ASTM A992 - *for Special Order*

Table 1 :
Dimensions and sectional properties of Wide Flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
18 x 11	119	26.90	16.60	18.97	11.27	1081.71	2163.42
	130	30.50	17.00	19.25	11.16	1181.70	2363.40
	143	33.50	18.50	19.49	11.22	1299.87	2599.74
	158	36.60	20.60	19.72	11.30	1436.22	2872.44
	175	40.40	22.60	18.00	11.00	1590.75	3181.50
	192	44.45	24.38			1745.28	3490.56
	211	48.51	26.92			1917.99	3835.98
	234	53.59	29.46			2127.06	4254.12
W21 21 x 6-1/2	44	11.50	8.80	20.66	6.50	399.96	799.92
	50	13.60	9.70	20.83	6.53	454.50	909.00
	57	16.50	10.30	21.06	6.56	518.13	1036.26
21 x 8-1/4	48	10.92	8.89	21.00	8.25	436.32	872.64
	55	13.21	9.40			499.95	999.90
	62	15.60	10.20	20.99	8.24	563.58	1127.16
	68	17.40	10.90	21.13	8.25	618.12	1236.24
	73	18.80	11.60	21.24	8.30	663.57	1327.14
	83	21.20	13.1	21.43	8.36	754.47	1508.94
	93	23.6	14.7	21.62	8.42	845.37	1690.74
21 x 12-1/4	101	20.30	12.70	21.36	12.29	918.09	1836.18
	111	22.20	14.00	21.51	12.34	1008.99	2017.98
	122	24.40	15.20	21.68	12.39	1108.98	2217.96
	132	26.30	16.50	21.83	12.44	1199.88	2399.76
	147	29.20	18.30	22.06	12.51	1336.23	2672.46
	166	34.5	19.1	22.48	12.42	1508.94	3017.88
W24 24 x 7	55	12.80	10.10	23.55	7.00	499.95	999.90
	62	15.00	10.90	23.74	7.04	563.58	1127.16
24 x 9	68	14.80	10.60	23.71	8.96	618.12	1236.24
	76	17.30	11.20	23.91	8.99	690.84	1381.68
	84	19.60	11.90	24.09	9.02	763.56	1527.12
	94	22.10	13.10	24.29	9.06	854.46	1708.92
	103	24.90	14.00	24.53	9.00	936.27	1872.54
24 x 12	100	19.70	11.90	24.00	12.00	909.00	1818.00
	104	19.10	12.70	24.06	12.75	945.36	1890.72
	117	21.60	14.00	24.26	12.80	1063.53	2127.06
	120	23.60	14.10	24.31	12.09	1090.8	2181.60
	131	24.40	15.40	24.48	12.86	1190.79	2381.58

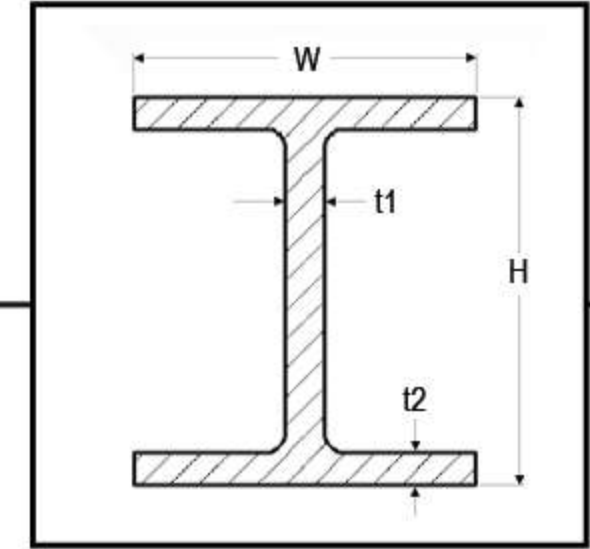


WIDE FLANGE

American Standard (ASTM A36)

ASTM A572 Gr. 50 and ASTM A992 - *for Special Order*

Table 1 :
Dimensions and sectional properties of Wide Flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
24 x 12	146	27.70	16.50	24.74	12.90	1327.14	2654.28
	160	31.40	18.60	24.92	12.26	1454.4	2908.80
	162	31.00	17.90	25.00	12.96	1472.58	2945.16
	176	34.00	19.10	25.24	12.89	1599.84	3199.68
	192	37.10	20.60	25.47	12.95	1745.28	3490.56
	207	39.90	22.10	25.71	13.01	1881.63	3763.26
	229	43.90	24.40	26.02	13.11	2081.61	4163.22
	250	48.00	25.40	26.34	13.19	2272.5	4545.00
	279	53.10	29.50	24.00	12.75	2536.11	5072.22
	306	57.90	32.00			2781.54	5563.08
	335	63.00	35.10			3045.15	6090.30
	370	69.10	38.60			3363.3	6726.60
W27 27 x 10	84	16.20	11.80	26.69	9.63	763.56	1527.12
	94	19.00	12.40	26.91	9.99	854.46	1708.92
	102	21.00	13.20	27.07	10.02	927.18	1854.36
	114	23.70	14.50	27.28	10.07	1036.26	2072.52
	129	27.90	15.50	27.63	10.01	1172.61	2345.22
27 x 14	146	24.80	15.40	27.38	13.97	1327.14	2654.28
	161	27.40	16.80	27.59	14.02	1463.49	2926.98
	178	30.20	18.40	27.81	14.09	1618.02	3236.04
	194	34.00	19.10	28.11	14.04	1763.46	3526.92
	217	38.10	21.10	28.43	14.12	1972.53	3945.06
	235	40.90	23.10	28.66	14.19	2136.15	4272.30
	258	45.00	24.90	28.98	14.27	2345.22	4690.44
	281	49.00	26.90	29.29	14.35	2554.29	5108.58
	307	53.10	29.50	29.61	14.45	2790.63	5581.26
	336	57.90	32.00	30.00	14.55	3054.24	6108.48
	368	63.00	35.10	30.39	14.67	3345.12	6690.24
W30 30 x 10-1/2	90	15.50	11.90	30.00	10.50	818.10	1636.20
	99	17.00	13.30	29.64	10.46	899.91	1799.82
	108	19.30	13.90	29.82	10.48	981.72	1963.44
	116	21.60	14.30	30.00	10.50	1054.44	2108.88
	124	23.60	14.90	30.16	10.52	1127.16	2254.32
	132	25.40	15.60	30.30	10.55	1199.88	2399.76
	148	30.00	16.50	30.67	10.48	1345.32	2690.64
30 x 15	173	27.10	16.60	30.44	14.99	1572.57	3145.14

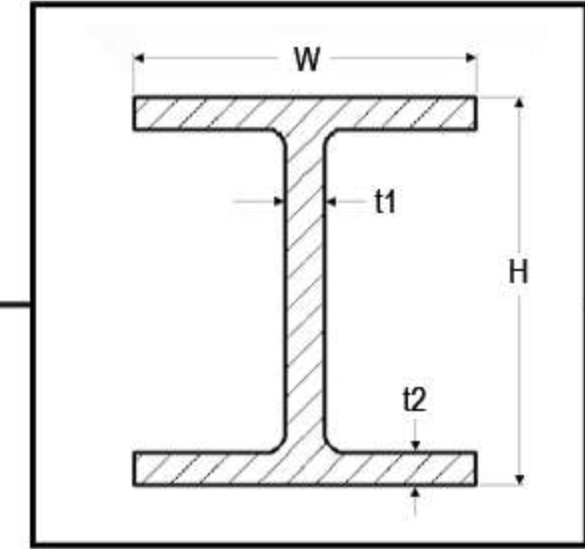


WIDE FLANGE

American Standard (ASTM A36)

ASTM A572 Gr. 50 and ASTM A992 - *for Special Order*

Table 1 :
Dimensions and sectional properties of Wide Flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
30 x 15	191	30.10	16.60	30.68	15.04	1736.19	3472.38
	211	33.40	18.00	30.94	15.11	1917.99	3835.98
	235	38.10	21.10	31.30	15.06	2136.15	4272.30
	261	41.90	23.60	31.61	15.16	2372.49	4744.98
	292	47.00	25.90	32.01	15.26	2654.28	5308.56
	326	52.10	29.00	32.40	15.37	2963.34	5926.68
	357	56.90	31.50	32.80	15.47	3245.13	6490.26
	391	62.00	34.50	33.19	15.56	3554.19	7108.38
W33 33 x 11-1/2	118	18.70	14.10	32.86	11.48	1072.62	2145.24
	130	21.70	14.70	33.10	11.51	1181.70	2363.40
	141	24.40	15.40	33.31	11.54	1281.69	2563.38
	152	26.80	16.10	33.50	11.57	1381.68	2763.36
	169	31.00	17.00	33.82	11.50	1536.21	3072.42
W33 33 x 15-3/4	200	29.20	18.20	33.68	15.75	1818.00	3636.00
	220	32.40	19.70	33.93	15.81	1999.80	3999.60
	240	35.60	21.10	34.18	15.86	2181.60	4363.20
	263	39.90	22.10	34.53	15.81	2390.67	4781.34
	291	43.90	24.40	34.84	15.91	2645.19	5290.38
	318	48.00	26.40	35.16	15.99	2890.62	5781.24
	354	53.10	29.50	35.55	16.10	3217.86	6435.72
	387	57.90	32.00	35.95	16.20	3517.83	7035.66
W36 36 x 12	135	20.20	15.20	35.55	11.95	1227.15	2454.30
	150	23.90	15.90	35.84	11.97	1363.50	2727.00
	160	25.90	16.60	36.00	12.00	1454.40	2908.80
	170	27.90	17.30	36.16	12.03	1545.30	3090.60
	182	30.00	18.40	36.32	12.07	1654.38	3308.76
	194	32.00	19.60	36.48	12.12	1763.46	3526.92
	210	34.50	21.10	36.69	12.18	1908.90	3817.80
	232	39.90	22.10	37.12	12.12	2108.88	4217.76
	256	43.90	24.40	37.43	12.22	2327.04	4654.08
36 x 16-1/2	230	32.00	19.40	35.88	16.48	2090.70	4181.40
	245	34.30	20.80	36.06	16.51	2227.05	4454.10
	260	36.60	21.50	36.24	16.56	2363.40	4726.80
	280	39.90	22.50	36.50	16.60	2545.20	5090.40
	300	42.70	24.00	36.72	16.66	2727.00	5454.00
	328	47.00	25.90	37.09	16.63	2981.52	5963.04

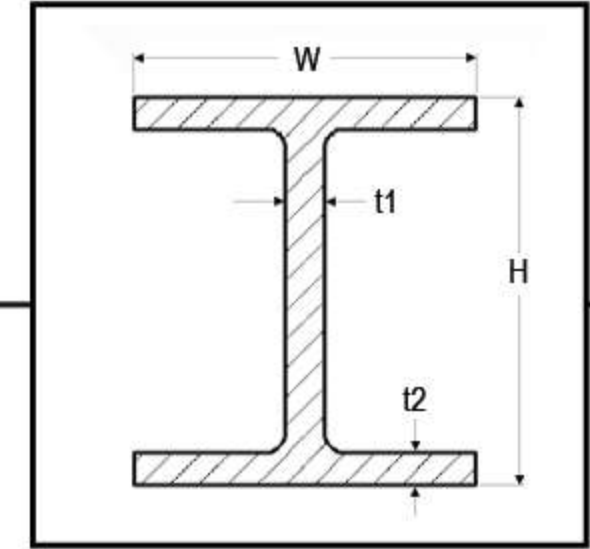


WIDE FLANGE

American Standard (ASTM A36)

ASTM A572 Gr. 50 and ASTM A992 - *for Special Order*

Table 1 :
Dimensions and sectional properties of Wide Flange



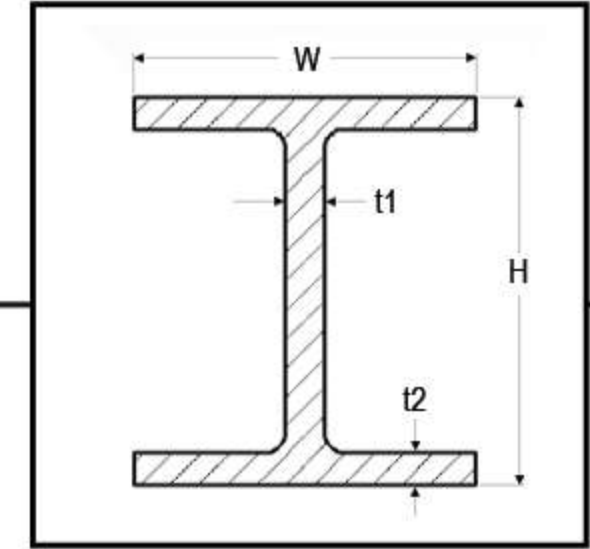
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches	6m	12m
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
36 x 16-1/2	359	51.10	28.40	37.40	16.73	3263.31	6526.62
	393	55.90	31.00	37.80	16.83	3572.37	7144.74
W40 40 x 12	149	21.10	16.00	38.20	11.81	1354.41	2708.82
	167	26.00	16.50	38.59	11.81	1518.03	3036.06
	183	31.00	16.50	38.98	11.81	1663.47	3326.94
	211	35.90	19.10	39.37	11.81	1917.99	3835.98
	235	40	21.1	39.69	11.89	2136.15	4272.30
	264	43.90	24.40	40.00	11.93	2399.76	4799.52
40 x 16	199	27.1	16.5	38.67	15.75	1808.91	3617.82
	215	31.00	16.50	38.98	15.75	1954.35	3908.70
	249	36.10	19.10	39.38	15.75	2263.41	4526.82
	277	40.00	21.10	39.69	15.83	2517.93	5035.86
	294	49.00	26.90	40.39	12.01	2672.46	5344.92
	297	41.90	23.60	39.84	15.83	2699.73	5399.46
	324	46.00	25.40	40.16	15.91	2945.16	5890.32
	327	54.10	30.00	40.79	12.13	2972.43	5944.86
	362	51.10	28.40	40.55	16.12	3290.58	6581.16
	397	55.90	31.00	40.95	16.12	3608.73	7217.46

Other sizes not specified in the scope of this table can be custom-made.

WIDE FLANGE

Japanese Standard (JIS)

Table 1 :
Dimensions and sectional properties of Wide Flange



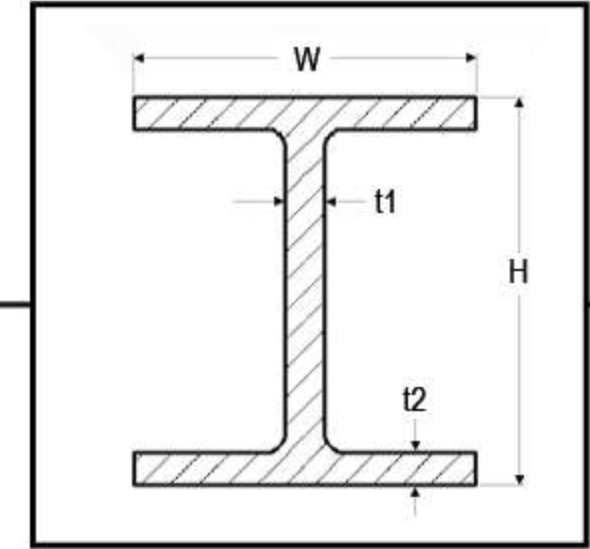
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm			6m	12m
100 x 50	9.3	7.00	5.00	100	50	55.8	111.6
100 x 100	14.8	7.20	5.54	100	100	88.80	177.60
	16.9	8.00	6.00			101.40	202.80
	17.2	8.00	6.00			103.20	206.40
125 x 60	13.1	8.00	6.00	125	60	78.60	157.20
125 x 125	23.6	9.00	6.50	125	125	141.60	283.20
150 x 75	14.0	7.00	5.00	150	75	84.00	168.00
148 x 100	20.7	9.00	6.00	148	100	124.20	248.40
150 x 150	31.1	10.00	7.00	150	150	186.60	373.20
	31.9	10.00	7.50			191.40	382.80
152 x 152	23.0	6.80	5.80	152	152	138.00	276.00
175 x 90	18.0	8.00	5.00	175	9	108.00	216.00
175 x 175	40.4	11.00	7.50	175	175	242.40	484.80
200 x 100	17.8	7.00	4.50	198	99	106.80	213.60
	18.2	7.22	4.88			109.20	218.40
	20.9	8.00	5.50	200	100	125.40	250.80
	21.0	7.70	5.26			126.00	252.00
	21.3	7.70	5.34			127.80	255.60
200 x 150	29.9	9.00	6.00	194	150	179.40	358.80
	30.6	9.00	6.00			183.60	367.20
203 x 133	22.3	6.88	5.23	203	133	133.80	267.60
	25.0	7.80	5.70			150.00	300.00
	25.4	7.45	5.45			152.40	304.80
	30.0	9.48	6.08			180.00	360.00
200 x 200	32.7	12.50	7.85	200	200	196.20	392.40
	49.9	12.00	8.00			299.40	598.80
	56.2	12.00	12.00			337.20	674.40
	59.5	14.30	9.54			357.00	714.00
	60.0	14.30	9.58			360.00	720.00
254 x 102	28.0	9.60	7.50	254	102	168.00	336.00
250 x 125	25.1	8.00	5.00	248	124	150.60	301.20
	29.00	9.00	6.00	250	125	174.00	348.00
	29.0	9.00	6.00	254	125	174.00	348.00
	29.6	9.00	6.00			177.60	355.20
250 x 175	43.6	11.00	7.00	244	175	261.60	523.20
	44.1	11.80	7.80	250	175	264.60	529.20



WIDE FLANGE

Japanese Standard (JIS)

Table 1 :
Dimensions and sectional properties of Wide Flange

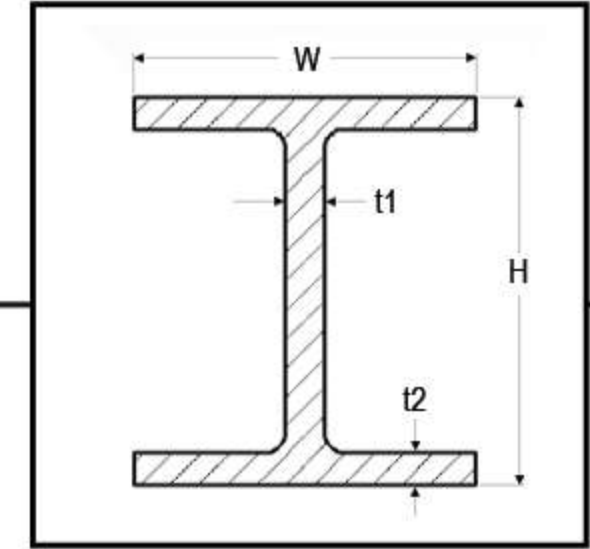


Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
250 x 250	71.80	14.00	9.00	250	250	430.80	861.60
	72.40	14.10	8.60			434.40	868.80
	80.20	10.30	16.40			481.20	962.40
	81.60	13.72	13.95			489.60	979.20
	82.20	14.00	13.80			493.20	986.40
	132.00	25.52	15.12			792.00	1584.00
254 x 146	25.70	8.40	5.85	254	146	154.20	308.40
	31.00	8.09	5.50			186.00	372.00
	37.30	10.40	6.90			223.80	447.60
254 x 254	73.00	14.40	8.50		254	438.00	876.00
	167.00	30.99	18.98			1002.00	2004.00
260 x 168	68.20	12.42	5.12	260	168	409.20	818.40
294 x 200	56.80	11.15	7.90	294	200	340.80	681.60
294 x 302	83.40	11.68	11.58		302	500.40	1000.80
	84.50	12.30	11.80			507.00	1014.00
300 x 150	32.00	8.00	5.50	298	149	192.00	384.00
	36.70	9.00	6.50	300	150	220.20	440.40
300 x 200	65.40	13.10	8.90	298	200	392.40	784.80
	55.80	12.00	8.00	294	200	334.80	669.60
	68.60	14.90	9.62	300	200	411.60	823.20
300 x 300	93.00	15.00	10.00	300	300	558.00	1116.00
	94.00	15.00	10.00			564.00	1128.00
	94.50	15.00	10.00			567.00	1134.00
	105.80	15.33	13.80			634.80	1269.60
	110.00	15.35	14.69			660.00	1320.00
300 x 305	105.00	14.88	14.45	300	305	630.00	1260.00
	106.00	14.88	14.45			636.00	1272.00
	180.00	24.98	24.52			1080.00	2160.00
305 x 165	54.00	13.60	8.40	305	165	324.00	648.00
	40.00	9.58	6.38			240.00	480.00
	46.00	11.75	6.75			276.00	552.00
	46.20	10.90	7.00			277.20	554.40
305 x 305	97.00	15.54	9.78	305	305	582.00	1164.00
	110.00	15.72	15.48			660.00	1320.00
	126.00	17.10	17.80			756.00	1512.00
	137.00	21.70	13.80			822.00	1644.00

WIDE FLANGE

Japanese Standard (JIS)

Table 1 :
Dimensions and sectional properties of Wide Flange



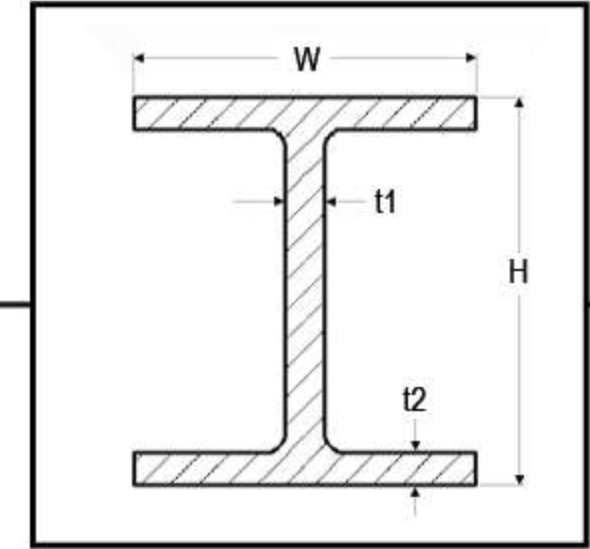
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm			6m	12m
305 x 305	149.00	20.65	20.13	305	305	894.00	1788.00
	158.00	24.64	15.67			948.00	1896.00
	198.00	30.95	18.72			1188.00	2376.00
	223.00	35.50	21.70			1338.00	2676.00
310 x 305	96.80	15.54	9.98	310	305	580.80	1161.60
	118.00	18.48	12.18			708.00	1416.00
336 x 249	69.20	11.72	7.84	336	249	415.20	830.40
344 x 348	113.00	16.00	10.00	344	348	678.00	1356.00
	115.00	15.70	9.60			690.00	1380.00
350 x 174	41.20	9.00	6.00	346	174	247.20	494.40
350 x 175	33.26	10.80	6.80	350	175	199.56	399.12
	49.40	10.60	7.40			296.40	592.80
	49.60	11.00	7.00			297.60	595.20
350 x 250	79.70	13.56	8.81	340	250	478.20	956.40
350 X 350	135.00	19.00	12.00	350	350	810.00	1620.00
	136.00	17.95	11.61			816.00	1632.00
	137.00	19.00	12.00			822.00	1644.00
356 x 171	45.00	9.80	6.70	356	171	270.00	540.00
	57.00	13.50	8.00			342.00	684.00
	57.87	13.80	7.87			347.22	694.44
356 X 358	129.00	17.42	9.88		358	774.00	1548.00
356 X 368	153.00	19.60	11.90		368	918.00	1836.00
	159.00	21.98	13.62			954.00	1908.00
	202.00	27.40	16.30			1212.00	2424.00
356 X 406	287.00	28.40	22.20		409	1722.00	3444.00
383 x 299	88.50	12.00	9.55	383	299	531.00	1062.00
388 x 402	140	15.62	9.58	388	402	840.00	1680.00
390 x 300	105	16.00	10.00	390	300	630.00	1260.00
	107	15.30	9.72			642.00	1284.00
394 x 398	147	18.01	11.55	394	398	882.00	1764.00
400 x 200	56.6	10.82	7.40	396	199	339.60	679.20
	56.1	11.00	7.00			336.60	673.20
	66.3	13.05	7.98	400	180	397.80	795.60
400 x 200	66	12.60	8.35		200	396.00	792.00
	65.4	13.00	8.00			392.40	784.80
400 x 400	172	20.60	12.82			1032.00	2064.00



WIDE FLANGE

Japanese Standard (JIS)

Table 1 :
Dimensions and sectional properties of Wide Flange



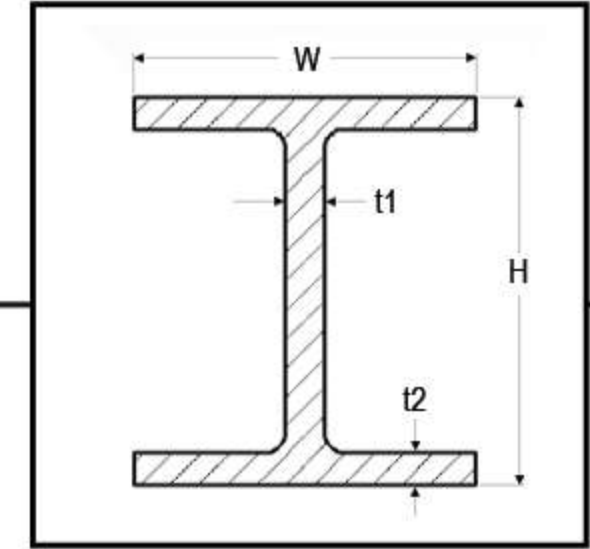
Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
400 x 400	197	20.50	20.70	400	408	1182.00	2364.00
	232	28.00	18.00	414	405	1392.00	2784.00
	283	35.00	20.00	428	407	1698.00	3396.00
	415	50.00	30.00	458	417	2490.00	4980.00
	605	70.00	45.00	498	432	3630.00	7260.00
406 x 178	54	12.18	8.38	406	178	324.00	648.00
	60	12.50	7.70			360.00	720.00
	67	14.30	8.70			402.00	804.00
407 x 191	82	16.50	9.84	407	191	492.00	984.00
410 x 178	53.2	11.22	7.38	410	178	319.20	638.40
	54	12.18	8.38			324.00	648.00
450 x 200	65.1	12.00	8.00	446	199	390.60	781.20
	66.2	10.53	8.32			397.20	794.40
	74.9	14.00	9.00	450	200	449.40	898.80
	76	14.00	9.00	450	200	456.00	912.00
450 x 300	121	18.00	11.00	440	300	726.00	1452.00
	128.5	17.60	11.60			771.00	1542.00
	140	20.52	10.88			840.00	1680.00
457 x 152	52	10.90	7.60	457	152	312.00	624.00
	60	13.30	8.10			360.00	720.00
457 x 191	67	13.84	9.80		191	402.00	804.00
	67.1	13.84	9.88			402.60	805.20
	98	18.90	11.00			588.00	1176.00
500 x 200	77.00	13.58	8.75	496	199	462.00	924.00
	77.90	14.00	9.00			467.40	934.80
	79.50	14.00	9.00			477.00	954.00
	88.20	16.00	10.00	500	200	529.20	1058.40
	89.60	16.00	10.00			537.60	1075.20
500 x 300	111	15.00	11.00	482	300	666.00	1332.00
	114	14.46	10.68			684.00	1368.00
	125	18.00	11.00	488		750.00	1500.00
600 x 200	92.50	15.00	10.00	596	199	555.00	1110.00
	94.60	15.00	10.00			567.60	1135.20
	103.00	17.00	11.00	600	200	618.00	1236.00
	106.00	16.28	10.68			636.00	1272.00
	120.00	11.78	11.65	606	201	720.00	1440.00



WIDE FLANGE

Japanese Standard (JIS)

Table 1 :
Dimensions and sectional properties of Wide Flange



Size	Mass	Dimensions				Weight per	
		Thickness		Depth of Section (H) inches	Flange Width (W) inches		
inches	lbs/ft	Flange (t2) mm	Web (t1) mm				
600 x 300	133.00	17.00	12.00	582	300	798.00	1596.00
	137.00	16.62	12.10			822.00	1644.00
	147.00	20.00	12.00	588		882.00	1764.00
	149.00	19.72	11.58			894.00	1788.00
	151.00	19.48	11.70			906.00	1812.00
	170.00	23.00	14.00	594	302	1020.00	2040.00
	179.00	22.95	14.42			1074.00	2148.00
610 x 229	113.00	16.30	10.60	610	229	678.00	1356.00
	125.00	18.15	11.76			750.00	1500.00
	140.00	20.70	12.60			840.00	1680.00
610 x 305	179.00	22.28	13.45		305	1074.00	2148.00
700 x 300	163.00	20.00	13.00	692	300	978.00	1956.00
	182.00	24.00	13.00	700		1092.00	2184.00
762 x 267	197.00	24.50	15.18	762	267	1182.00	2364.00
800 x 300	188.00	22.00	14.00	792	300	1128.00	2256.00
	207.00	26.00	14.00	800	300	1242.00	2484.00
900 x 300	210	23.00	15.00	890	299	1260.00	2520.00
	240	28.00	16.00	900	300	1440.00	2880.00
	283	34.00	18.00	912	302	1698.00	3396.00
	304	37.00	19.00	918	303	1824.00	3648.00

Other sizes not specified in the scope of this table can be custom-made.

Other Services

We provide other services to our valued clients such as:

- Coil Shearing and Slitting
- Sand Blasting
- Base Plate Cutting
- Build Up of Heavy Beams
- Pipe and Structural Bending
- Base Plate Perforation
- Fabrication of Tee- Beams



***"Whatever you do, Do it for the Glory of GOD."
I Corinthians 10:31***

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