UNITED TRADING
AND CONTRACTING.LLC

Structural steel

Steel formed for use in construction

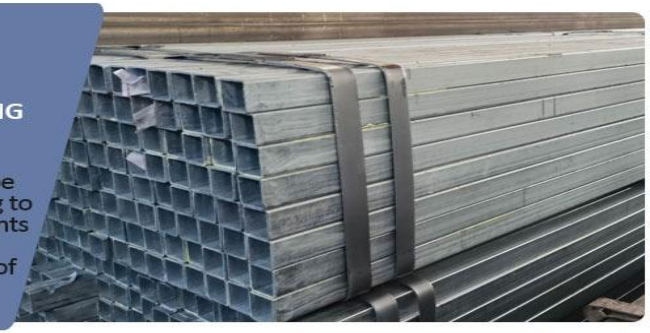
- Stainless Steel Plates, SS Pipes, SS Rods, Seamless Pipes, C Shaped Steel, Spiral Pipes, Galvanized Square Tubes and Pipes, Cold Drawn flat steels, Strip Steel, Steel Plates, round Steel, angle channel, rail steel ETC. With complete variations one stop purchasing unit.

info@utctradingllc.com

1

SUPPORT CUTTING

Accurate cutting machine tools can be customized according to customer requirements to meet different quantitative needs of customers.



2

METICULOUS WORKMANSHIP

Strictly control the quality of each product, with meticulous workmanship, quality and quantity.

3

EXCESSIVE INVENTORY

With various product specifications and sufficient inventory, you can buy in large quantities.

4

MATURE PROCESS

It is processed by special technology and mature technology. With strictly selected materials, the product is firm and reliable.

LARGE INVENTORY

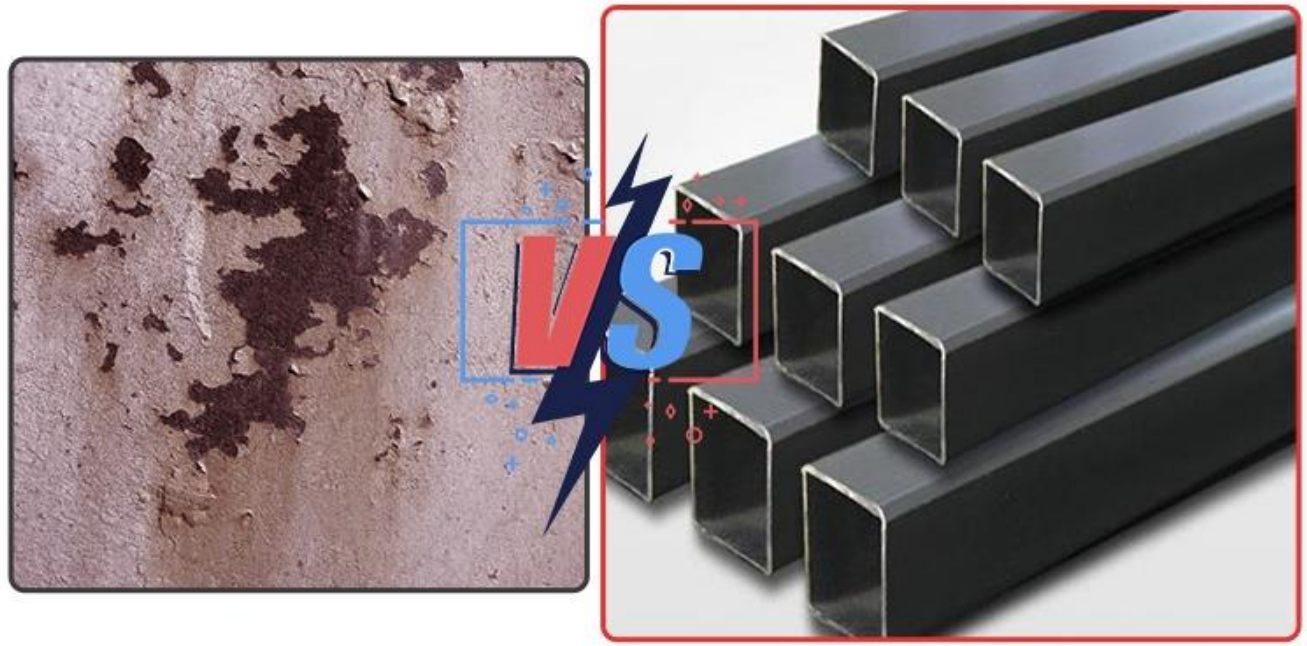
The factory has large inventory, complete specifications and one-stop procurement

FACTORY OUTLET

SELECTED RAW MATERIALS

Selected high-quality raw materials, durable, heat and alkali resistant, professional testing

Our Product Advantages



The products of others

- No rust
- Not resistant to corrosion
- Short service life of

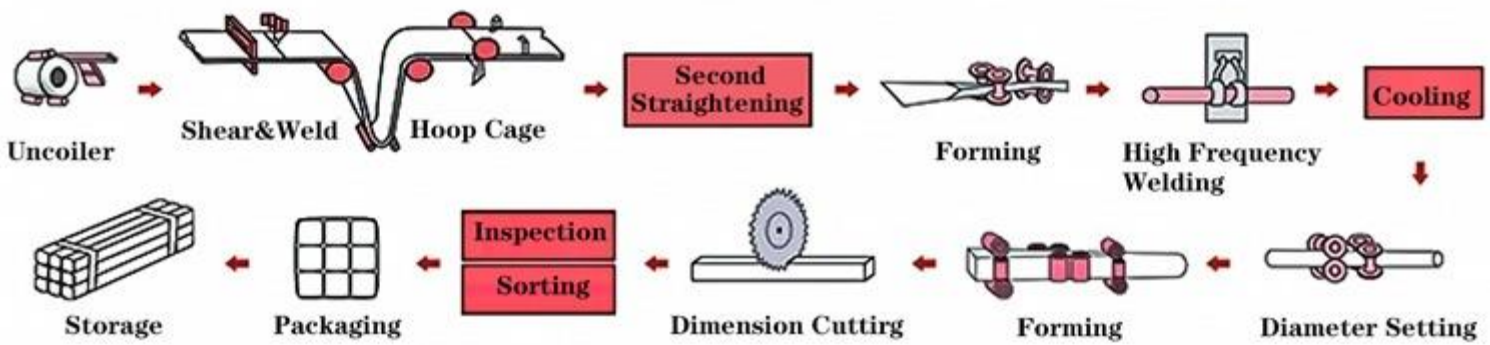
Our products

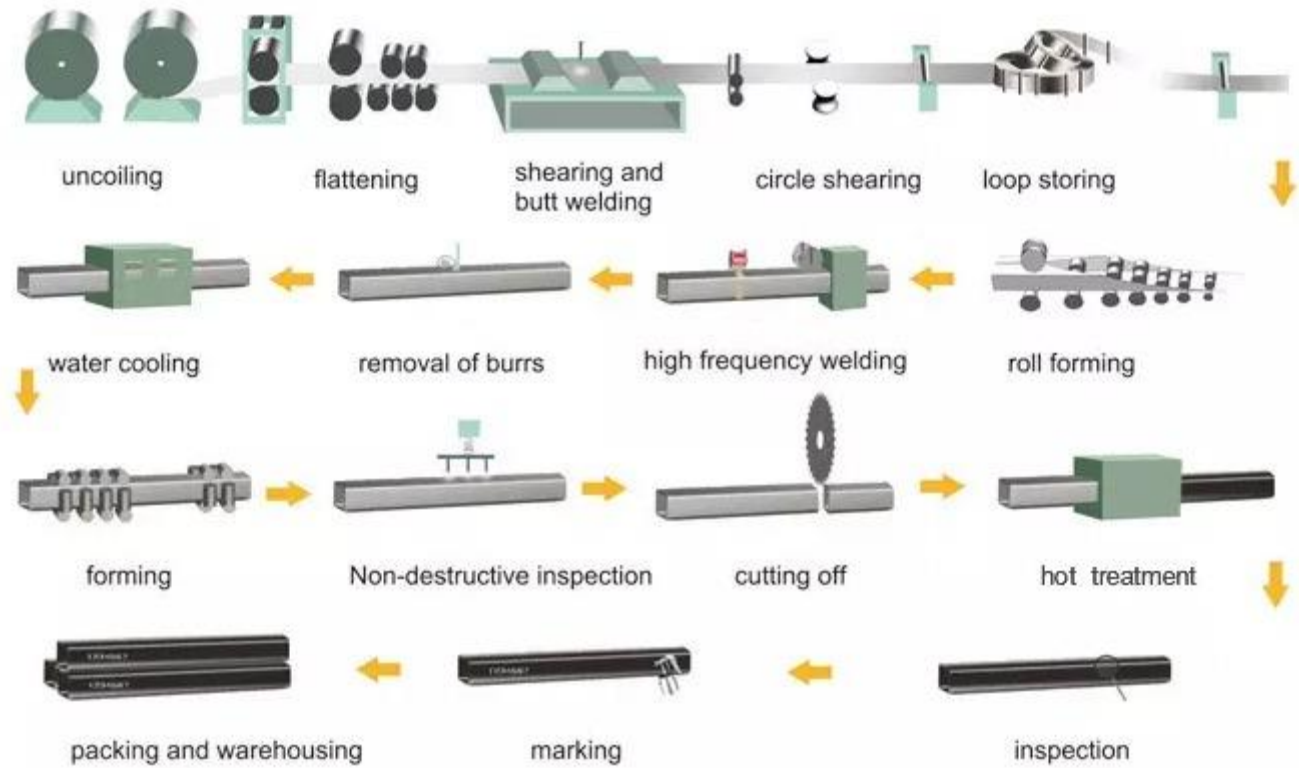
- Corrosion resistance
- Rust protection
- Service life more than 10 years
- Reliable after-sales service

Packaging & Shipping

The Production Process

Product Flow Chart




uncoiling
flattening
shearing and butt welding
circle shearing
loop storing
water cooling
removal of burrs
high frequency welding
roll forming
forming
Non-destructive inspection
cutting off
hot treatment
packing and warehousing
marking
inspection

Square tube size（mm）		Rectangular tube size (mm)	
16×16×0.4～1.5	380×380×8.0～14.0	10×20×0.6～1.5	250×150×6～12.0
18×18×0.4～1.5	400×400×8.0～14.0	14×21×0.6～1.5	250×100×6～12.0
20×20×0.4～1.5	420×420×10.0～14.0	15×30×1.5～1.5	250×200×6～12.0
25×25×0.6～2.0	450×450×10.0～14.0	15×38×0.6～1.5	300×150×6～12.0
30×30×0.6～4.0	480×480×10.0～14.0	20×30×0.6～2.0	300×200×6～12.0
34×34×1.0～2.0	500×500×10.0～14.0	20×40×0.8～2.0	300×250×6～12.0
35×35×1.0～4.0	550×550×10.0～40.0	20×50×1.0～2.0	400×250×8～12.0
38×38×1.0～4.0	600×600×10.0～40.0	22×35×0.9～2.0	400×300×8～12.0
40×40×1.0～4.5	700×700×10.0～40.0	25×40×0.9～3.75	450×200×8～12.0
44×44×1.0～4.5	800×800×10.0～50.0	25×65×1.0～2.0	450×250×8～12.0
45×45×1.0～5.0	900×900×10.0～50.0	30×40×1.0～3.75	400×300×8～12.0
50×50×1.0～5.0	1000×1000×10.0～50.0	30×45×1.0～3.75	400×350×8～12.0
60×60×1.5～5.0		30×50×1.0～4.0	500×200×10～12.0
70×70×2.0～6.0		30×60×1.0～4.5	500×250×10～12.0
75×75×2.0～6.0		40×50×1.0～4.5	500×300×10～12.0
80×80×2.0～6.0		40×60×1.0～5.0	500×350×10～12.0
85×85×2.0～6.0		40×80×1.5～5.0	500×400×10～12.0
95×95×2.0～8.0		40×100×2.0～5.0	500×450×10～12.0
100×100×2.0～8.0		50×60×2.0～5.0	600×200×10～28.0
120×120×4.0～8.0		50×80×2.0～5.0	600×400×10～28.0
150×150×6.0～10.0		50×100×2.0～8.0	600×500×10～28.0
180×180×6.0～12.0		60×80×2.0～6.0	800×400×10～28.0
200×200×6.0～12.0		80×100×2.0～8.0	800×600×10～28.0
220×220×6.0～14.0		120×60×2.5～10.0	800×700×10～28.0
250×250×6.0～14.0		120×80×2.5～10.0	1000×400×10～28.0
280×280×6.0～14.0		150×100×2.5～12.0	1000×500×10～28.0
300×300×8.0～14.0		180×150×2.5～12.0	1000×600×10～28.0
320×320×8.0～14.0		200×100×4～12.0	1000×800×10～28
350×350×8.0～14.0		200×150×4～12.0	

Size (MM)	Thickness(MM)	Size (MM)	Thickness(MM)
10*10	0.5–1.5	15*10	0.6–1.0
12*12	0.6–1.5	20*10	0.6–1.0
15*15	0.6–1.5	15*30	0.6–1.0
16*16	0.6–1.5	25*12	0.6–1.0
19*19	0.6–1.8	40*20	0.6–3.0
20*20	0.6–2.0	38*19	0.6–3.0
25*25	1.0–2.75	50*25	0.6–3.0
30*30	1.0–2.75	60*30	1.0–3.75
32*32	1.0–3.0	50*30	1.0–3.75
35*35	1.0–3.0	60*40	1.5–3.75
38*38	1.0–3.0	75*25	1.5–3.75
40*40	1.0–3.5	75*50	1.5–5.75
45*45	1.0–5.0	80*40	1.5–5.75
50*50	1.0–5.0	100*50	2.0–6.0
55*55	1.0–5.0	100*60	2.0–6.0
60*60	1.0–6.0	100*75	2.0–6.0
63.5*63.5	1.0–6.0	120*60	3.0–6.0
70*70	1.5–6.0	120*80	3.0–6.0
75*75	1.5–6.0	125*50	3.0–6.0
80*80	2.0–6.0	125*75	3.0–6.0
89*89	2.0–6.0	150*50	3.0–6.0
90*90	2.0–6.0	150*75	3.0–6.0
100*100	2.3–6.0	150*100	4.0–12
120*120	4.0–6.0	160*80	4.0–6.0
125*125	4.0–6.0	175*100	4.0–12
150*150	4.0–6.0	200*100	4.0–12
200*200	4.0–8.0	200*150	4.0–12
250*250	6.0–12	250*150	5.0–12
300*300	6.0–12	300*200	5.0–12
400*400	6.0–12	400*200	5.0–12

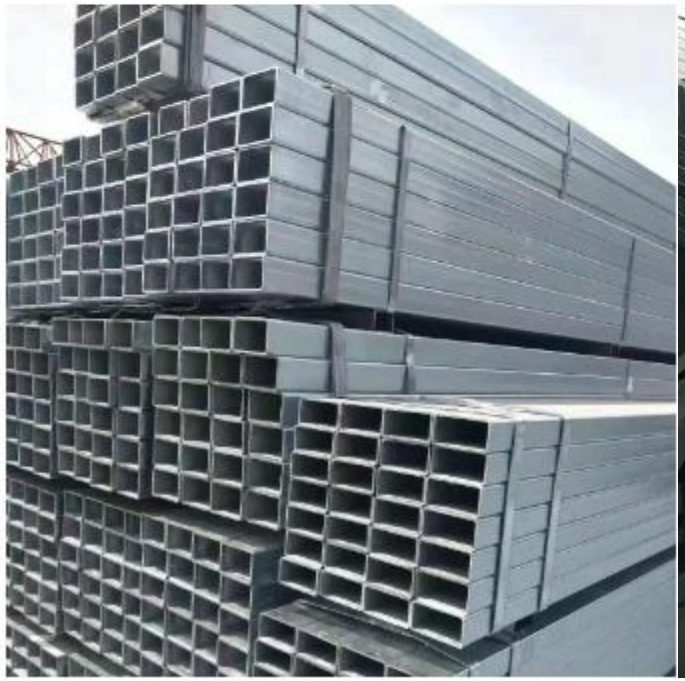
Application

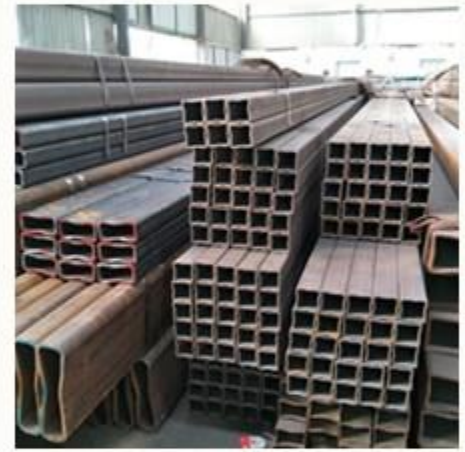
Glass Curtain Wall

Automobile Making

Solar Power Bracket


elcometer
33.0

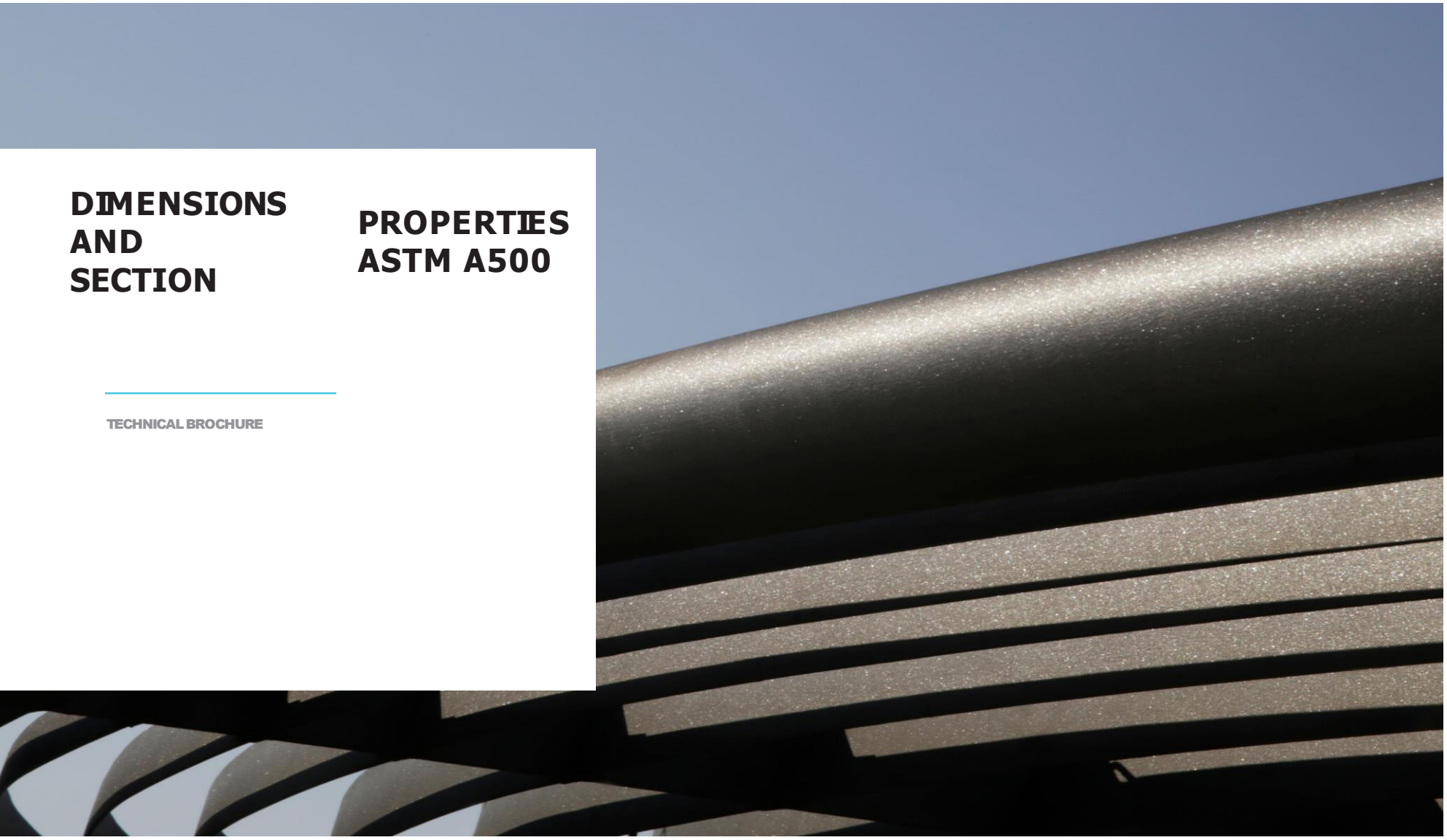




DIMENSIONS AND SECTION

PROPERTIES ASTM A500

TECHNICAL BROCHURE



DIMENSIONS AND SECTION PROPERTIES OF SQUARE TUBE

Nominal Size				Weight per Foot	Wall Thickness t	b/t	h/t	Cross Sectional Area	I	S	r	Z	Torsional Stiffness Constant J	Torsional Shear Constant C	Surface Area per Foot
in.	in.	in.	GA	lb.	in.			in.2	in.4	in.3	in.	in.3	in.4	in.3	ft.2
22	22	0.875		244.91	0.814	24.0	24.0	67.28	4967.3	451.6	8.59	529.8	7891.7	728.6	7.10
22	22	0.750		212.02	0.698	28.5	28.5	58.22	4354.7	395.9	8.65	461.6	6863.9	632.2	7.13
20	20	0.875		221.09	0.814	21.6	21.6	60.76	3674.1	367.4	7.78	432.9	5869.2	597.2	6.43
20	20	0.750		191.61	0.698	25.7	25.7	52.64	3228.6	322.9	7.83	377.9	5113.2	518.8	6.47
18	18	0.875		197.27	0.814	19.1	19.1	54.25	2627.3	291.9	6.96	345.8	4225.0	478.8	5.77
18	18	0.750		171.19	0.698	22.8	22.8	47.05	2315.5	257.3	7.02	302.5	3688.4	416.6	5.80
16	16	0.875		173.45	0.814	16.7	16.7	47.74	1801.0	225.1	6.14	268.5	2919.9	373.4	5.10
16	16	0.750		150.77	0.698	19.9	19.9	41.47	1593.1	199.1	6.20	235.5	2555.9	325.6	5.13
16	16	0.250		53.05	0.233	65.7	65.7	14.56	600.1	75.0	6.42	85.8	921.3	115.8	5.27
14	14	0.875		149.62	0.814	14.2	14.2	41.23	1169.0	167.0	5.32	200.9	1915.0	281.0	4.43
14	14	0.750		130.35	0.698	17.1	17.1	35.88	1039.1	148.4	5.38	176.8	1682.3	245.7	4.47
14	14	0.250		46.25	0.233	57.1	57.1	12.69	398.7	57.0	5.60	65.3	614.0	88.3	4.60
12	12	0.750		109.93	0.698	14.2	14.2	30.30	631.2	105.2	4.56	126.5	1034.0	177.0	3.80
12	12	0.188		29.84	0.174	66.0	66.0	8.15	189.1	31.5	4.82	36.0	290.3	48.6	3.95
10	10	0.750		89.51	0.698	11.3	11.3	24.72	347.0	69.4	3.75	84.7	577.6	119.5	3.13

DIMENSIONS AND SECTION PROPERTIES OF SQUARE TUBE

Nominal Size				Weight per Foot	Wall Thickness t	b/t	h/t	Cross Section-al Area	I	S	r	Z	Torsional Stiffness Constant J	Torsion-al Shear Constant C	Surface Area per Foot
in.	in.	in.	GA	lb.	in.			in.2	in.4	in.3	in.	in.3	in.4	in.3	ft.2
9	9	0.625		67.83	0.581	12.5	12.5	18.70	215.5	47.9	3.40	58.1	356.2	81.6	2.83
9	9	0.125		14.96	0.116	74.6	74.6	4.09	53.5	11.9	3.62	13.6	82.0	18.3	2.97
8	8	0.125		13.26	0.116	66.0	66.0	3.62	37.4	9.3	3.21	10.7	57.3	14.4	2.63
7	7	0.125		11.56	0.116	57.3	57.3	3.16	24.8	7.1	2.80	8.1	38.2	11.0	2.30
6	6	0.134	10	10.54	0.125	45.0	45.0	2.90	16.5	5.5	2.39	6.4	25.7	8.6	1.96
6	6	0.120	11	9.48	0.112	50.6	50.6	2.61	15.0	5.0	2.40	5.7	23.1	7.8	1.97
5.5	5.5	0.134	10	9.63	0.125	41.0	41.0	2.65	12.6	4.6	2.19	5.3	19.7	7.2	1.80
5.5	5.5	0.120	11	8.66	0.112	46.1	46.1	2.38	11.4	4.2	2.19	4.8	17.7	6.5	1.80
5	5	0.134	10	8.72	0.125	37.0	37.0	2.40	9.4	3.8	1.98	4.4	14.7	5.9	1.63
5	5	0.120	11	7.85	0.112	41.6	41.6	2.16	8.5	3.4	1.99	3.9	13.2	5.3	1.63
4.5	4.5	0.134	10	7.81	0.125	33.0	33.0	2.15	6.8	3.02	1.78	3.5	10.6	4.8	1.46
4.5	4.5	0.120	11	7.03	0.112	37.2	37.2	1.93	6.2	2.73	1.78	3.2	9.6	4.3	1.47
4	4	0.134	10	6.89	0.125	29.0	29.0	1.90	4.7	2.35	1.57	2.74	7.4	3.7	1.30
4	4	0.120	11	6.21	0.112	32.7	32.7	1.71	4.3	2.13	1.58	2.48	6.7	3.4	1.30
4	4	0.105	12	5.45	0.097	38.2	38.2	1.49	3.8	1.88	1.59	2.17	5.8	3.0	1.31
4	4	0.095	13	4.97	0.088	42.5	42.5	1.36	3.4	1.72	1.59	1.98	5.3	2.7	1.31
4	4	0.083	14	4.37	0.077	48.9	48.9	1.19	3.0	1.52	1.60	1.75	4.7	2.4	1.31

DIMENSIONS AND SECTION PROPERTIES OF SQUARE TUBE

Nominal Size				Weight per Foot	Wall Thickness t	b/t	h/t	Cross Sectional Area	I	S	r	Z	Torsional Stiffness Constant J	Torsional Shear Constant C	Surface Area per Foot
in.	in.	in.	GA	lb.	in.			in.2	in.4	in.3	in.	in.3	in.4	in.3	ft.2
3.5	3.5	0.134	10	5.98	0.125	25.0	25.0	1.65	3.09	1.76	1.37	2.07	4.9	2.84	1.13
3.5	3.5	0.120	11	5.40	0.112	28.3	28.3	1.49	2.81	1.61	1.38	1.87	4.4	2.57	1.13
3.5	3.5	0.105	12	4.74	0.097	33.1	33.1	1.30	2.48	1.42	1.38	1.64	3.9	2.24	1.14
3.5	3.5	0.095	13	4.32	0.088	36.8	36.8	1.18	2.27	1.30	1.39	1.50	3.5	2.05	1.14
3.5	3.5	0.083	14	3.80	0.077	42.3	42.3	1.04	2.02	1.15	1.39	1.33	3.1	1.81	1.14
3	3	0.165		6.13	0.153	16.6	16.6	1.68	2.230	1.487	1.15	1.773	3.62	2.466	0.96
3	3	0.134	10	5.07	0.125	21.0	21.0	1.40	1.896	1.264	1.16	1.491	3.03	2.059	0.96
3	3	0.120	11	4.58	0.112	23.8	23.8	1.26	1.731	1.154	1.17	1.354	2.75	1.863	0.97
3	3	0.105	12	4.03	0.097	27.9	27.9	1.10	1.531	1.020	1.18	1.191	2.41	1.631	0.97
3	3	0.095	13	3.68	0.088	31.1	31.1	1.01	1.406	0.937	1.18	1.090	2.21	1.490	0.97
3	3	0.083	14	3.24	0.077	36.0	36.0	0.89	1.249	0.833	1.19	0.964	1.95	1.314	0.98
3	3	0.060		2.37	0.056	50.6	50.6	0.65	0.935	0.623	1.20	0.716	1.44	0.970	0.98
2.5	2.5	0.313		8.45	0.291	5.6	5.6	2.35	1.82	1.45	0.879	1.88	3.20	2.74	0.75
2.5	2.5	0.238		6.83	0.221	8.3	8.3	1.89	1.58	1.26	0.914	1.58	2.69	2.25	0.77
2.5	2.5	0.165		5.01	0.153	13.3	13.3	1.38	1.23	0.99	0.947	1.19	2.03	1.67	0.79
2.5	2.5	0.134	10	4.16	0.125	17.0	17.0	1.15	1.06	0.85	0.961	1.01	1.71	1.40	0.80
2.5	2.5	0.120	11	3.76	0.112	19.3	19.3	1.04	0.97	0.78	0.967	0.92	1.56	1.27	0.80
2.5	2.5	0.105	12	3.31	0.097	22.8	22.8	0.91	0.86	0.69	0.974	0.81	1.37	1.12	0.81
2.5	2.5	0.095	13	3.03	0.088	25.4	25.4	0.83	0.79	0.64	0.979	0.74	1.26	1.02	0.81
2.5	2.5	0.083	14	2.67	0.077	29.5	29.5	0.73	0.71	0.57	0.984	0.66	1.11	0.90	0.81

DIMENSIONS AND SECTION PROPERTIES OF SQUARE TUBE

Nominal Size				Weight per Foot	Wall Thickness t	b/t	h/t	Cross Sectional Area	I	S	r	Z	Torsional Stiffness Constant J	Torsional Shear Constant C	Surface Area per Foot
in.	in.	in.	GA	lb.	in.			in.2	in.4	in.3	in.	in.3	in.4	in.3	ft.2
2.12	2.12	0.188		4.64	0.174	9.2	9.2	1.28	0.786	0.740	0.784	0.916	1.33	1.30	0.66
2.12	2.12	0.134	10	3.47	0.125	14.0	14.0	0.96	0.626	0.589	0.808	0.709	1.03	0.992	0.67
2.12	2.12	0.125		3.27	0.116	15.3	15.3	0.90	0.592	0.557	0.812	0.667	0.964	0.930	0.68
2	2	0.134	10	3.25	0.125	13.0	13.0	0.90	0.513	0.513	0.756	0.621	0.846	0.871	0.63
2	2	0.120	11	2.94	0.112	14.9	14.9	0.81	0.473	0.473	0.763	0.568	0.773	0.793	0.63
2	2	0.105	12	2.60	0.097	17.6	17.6	0.71	0.423	0.423	0.770	0.504	0.684	0.699	0.64
2	2	0.100		2.50	0.093	18.5	18.5	0.69	0.410	0.410	0.772	0.486	0.660	0.673	0.64
2	2	0.095	13	2.38	0.088	19.7	19.7	0.65	0.392	0.392	0.774	0.463	0.629	0.641	0.64
2	2	0.083	14	2.11	0.077	23.0	23.0	0.58	0.351	0.351	0.780	0.412	0.559	0.568	0.64
1.75	1.75	0.120	11	2.53	0.112	12.6	12.6	0.70	0.306	0.350	0.661	0.424	0.506	0.596	0.55
1.5	1.5	0.250		3.71	0.233	3.4	3.4	1.04	0.258	0.343	0.497	0.469	0.470	0.699	0.43
1.5	1.5	0.120	11	2.13	0.112	10.4	10.4	0.59	0.184	0.245	0.558	0.301	0.308	0.426	0.47
1.5	1.5	0.100		1.82	0.093	13.1	13.1	0.50	0.162	0.215	0.568	0.260	0.266	0.365	0.47
1.5	1.5	0.083	14	1.54	0.077	16.5	16.5	0.42	0.140	0.187	0.575	0.223	0.227	0.310	0.48
1.25	1.25	0.120	11	1.72	0.112	8.2	8.2	0.48	0.099	0.159	0.456	0.199	0.170	0.285	0.38
1.25	1.25	0.100		1.48	0.093	10.4	10.4	0.41	0.088	0.142	0.466	0.174	0.148	0.246	0.39
1.25	1.25	0.083	14	1.26	0.077	13.2	13.2	0.35	0.078	0.124	0.473	0.150	0.128	0.210	0.39