



**I BEAM |**



Model	Section Size (mm)			
	h	b	d	t
10	100	68	4.5	
12	120	74	5.0	
12.6	126	74	5.0	
14	140	80	5.5	
16	160	88	6.0	
18	180	94	6.5	
20a	200	100	7.0	
20b	200	102	9.0	
22a	220	110	7.5	
22b	220	112	9.5	
24a	240	116	8.0	
24b	240	118	10.0	
25a	250	116	8.0	
25b	250	118	10.0	
27a	270	122	8.5	
27b	270	124	10.5	
28a	280	122	8.5	
28b	280	124	10.5	
30a	300	126	9.0	
30b	300	128	11.0	
30c	300	130	13.0	
32a	320	130	9.5	
32b	320	132	11.5	
32c	320	134	13.5	
36a	360	136	10.0	
36b	360	138	12.0	
36c	360	140	14.0	
40a	400	142	10.5	
40b	400	144	12.5	
40c	400	146	14.5	
45a	450	150	11.5	
45b	450	152	13.5	
45c	450	154	15.5	
50a	500	158	12.0	
50b	500	160	14.0	
50c	500	162	16.0	
55a	550	166	12.5	
55b	550	168	14.5	
55c	550	170	16.5	
56a	560	166	12.5	
56b	560	168	14.5	
56c	560	170	16.5	
63a	630	176	13.0	
63b	630	178	15.0	
63c	630	180	17.0	

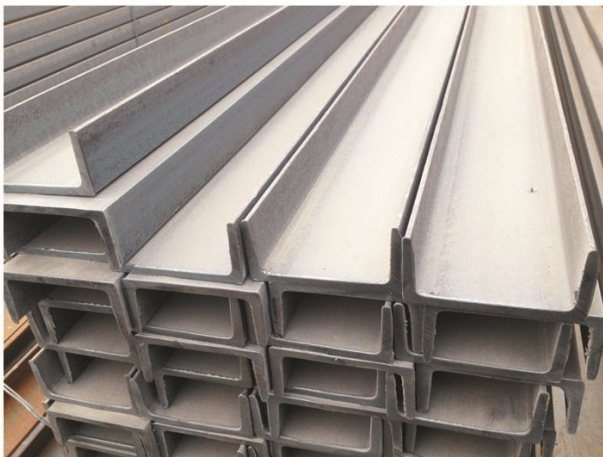
**H BEAM |**



Category	Model (Designation mm)	Section Size (mm)				
		H	B	t <sub>1</sub>	t <sub>2</sub>	r
IPE	100/100	100	100	6	6	8
	120/120	120	120	6.5	6.5	8
	150/150	150	150	7	7	10
	175/175	175	175	7.8	7.8	11
	200/200	200	200	8	8	13
	200/200	204	204	12	12	13
	250/250	250	250	9	9	14
	250/250	252	252	10	10	13
	300/300	300	300	10	10	15
	300/300	304	304	12	12	15
	300/300	308	308	15	15	15
	350/350	350	350	11	11	15
	350/350	354	354	10	10	13
	350/350	358	358	10	10	13
	350/350	362	362	10	10	13
HEA	400/400	400	400	11	11	22
	400/400	404	404	10	10	22
	400/400	408	408	10	10	22
	400/400	412	412	10	10	22
	400/400	416	416	10	10	22
	400/400	420	420	10	10	22
	400/400	424	424	10	10	22
	400/400	428	428	10	10	22
	400/400	432	432	10	10	22
	400/400	436	436	10	10	22
	400/400	440	440	10	10	22
	400/400	444	444	10	10	22
	400/400	448	448	10	10	22
	400/400	452	452	10	10	22
	400/400	456	456	10	10	22
HEB	100/100	100	100	6	6	8
	120/120	120	120	6.5	6.5	8
	150/150	150	150	7	7	10
	175/175	175	175	7.8	7.8	11
	200/200	200	200	8	8	13
	200/200	204	204	12	12	13
	250/250	250	250	9	9	14
	250/250	252	252	10	10	13
	300/300	300	300	10	10	15
	300/300	304	304	12	12	15
	300/300	308	308	15	15	15
	350/350	350	350	11	11	15
	350/350	354	354	10	10	13
	350/350	358	358	10	10	13
	350/350	362	362	10	10	13
HEM	100/100	100	100	6	6	8
	120/120	120	120	6.5	6.5	8
	150/150	150	150	7	7	10
	175/175	175	175	7.8	7.8	11
	200/200	200	200	8	8	13
	200/200	204	204	12	12	13
	250/250	250	250	9	9	14
	250/250	252	252	10	10	13
	300/300	300	300	10	10	15
	300/300	304	304	12	12	15
	300/300	308	308	15	15	15
	350/350	350	350	11	11	15
	350/350	354	354	10	10	13
	350/350	358	358	10	10	13
	350/350	362	362	10	10	13
HEI	100/100	100	100	6	6	8
	120/120	120	120	6.5	6.5	8
	150/150	150	150	7	7	10
	175/175	175	175	7.8	7.8	11
	200/200	200	200	8	8	13
	200/200	204	204	12	12	13
	250/250	250	250	9	9	14
	250/250	252	252	10	10	13
	300/300	300	300	10	10	15
	300/300	304	304	12	12	15
	300/300	308	308	15	15	15
	350/350	350	350	11	11	15
	350/350	354	354	10	10	13
	350/350	358	358	10	10	13
	350/350	362	362	10	10	13
HET	100/80	100	80	5	5	8
	120/80	120	80	5.5	5.5	8
	150/80	150	80	6	6	10
	175/80	175	80	6.5	6.5	11
	200/80	200	80	7	7	13
	200/80	204	80	12	12	13
	250/80	250	80	8	8	14
	250/80	252	80	9	9	13
	300/80	300	80	10	10	15
	300/80	304	80	12	12	15
	300/80	308	80	15	15	15
	350/80	350	80	11	11	15
	350/80	354	80	10	10	13
	350/80	358	80	10	10	13
	350/80	362	80	10	10	13



**HOT ROLLED STEEL CHANNEL** |



Model	Section Size (mm)			Standard
	Web	Flange	d	
5	50	37	4.5	
5.3	63	40	4.8	
5.5	65	40	4.3	
8	80	43	5.0	
10	100	48	5.3	
12	120	53	5.5	
12.6	126	53	5.5	
14a	140	58	6.0	
14b	140	60	6.0	
16a	160	63	6.5	
16b	160	65	6.5	
18a	180	68	7.0	
18b	180	70	9.0	
20a	200	73	7.0	
20b	200	75	9.0	
22a	220	77	7.0	
22b	220	79	9.0	
24a	240	78	7.0	
24b	240	80	9.0	
24c	240	82	11.0	
25a	250	78	7.0	
25b	250	80	9.0	
25c	250	82	11.0	
27a	270	82	7.5	
27b	270	84	9.5	
27c	270	86	11.5	
28a	280	82	7.5	
28b	280	84	9.5	
28c	280	86	11.5	
30a	300	85	7.5	
30b	300	87	9.5	
30c	300	89	11.5	
32a	320	88	8.0	
32b	320	90	10.0	
32c	320	92	12.0	
36a	360	96	9.0	
36b	360	98	11.0	
36c	360	100	13.0	
40a	400	100	10.5	
40b	400	102	12.5	
40c	400	104	14.5	

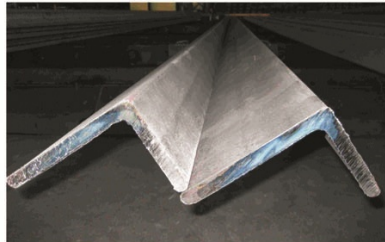
**EQUAL STEEL ANGEL BAR** |



Model	Section Size (mm)		12.5	8
	b	d		
2	20	3	12.5	10
	20	4	12.5	14
2.5	25	3	12.5	16
	25	4	14.0	10
3	30	3	14.0	12
	30	4	14.0	14
3.6	36	3	14.0	16
	36	4	15.0	8
	40	3	15.0	10
4	40	4	15.0	12
	40	4	15.0	14
	40	5	15.0	16
	45	3	15.0	16
4.5	45	4	16.0	10
	45	5	16.0	12
	45	6	16.0	14
	50	3	16.0	16
5	50	4	18.0	12
	50	5	18.0	14
	50	6	18.0	16
	56	3	18.0	18
	56	4	20.0	14
5.6	56	5	20.0	16
	56	6	20.0	18
	56	7	20.0	20
	56	8	20.0	24
	60	5	22.0	16
6	60	6	22.0	18
	60	7	22.0	20
	60	8	22.0	22
	63	4	22.0	18
	63	5	22.0	20
6.3	63	6	22.0	22
	63	7	22.0	24
	63	8	22.0	26
	63	10	22.0	28
	70	4	25.0	18
	70	5	25.0	20
7	70	6	25.0	22
	70	7	25.0	24
	70	8	25.0	26
	75	5	25.0	28
	75	6	25.0	30
7.5	75	7	25.0	32
	75	8	25.0	36
	75	9		
	75	10		
	80	6		
8	80	7		
	80	8		
	80	9		
	80	10		
	80	12		
	80	14		
	80	16		
	80	18		
	80	20		
	80	24		
	80	28		
	80	32		
	80	36		
	80	40		
	80	45		
	80	50		
	80	55		
	80	60		
	80	65		
	80	70		
	80	75		
	80	80		
	80	85		
	80	90		
	80	95		
	80	100		
	80	105		
	80	110		
	80	115		
	80	120		
	80	125		
	80	130		
	80	135		
	80	140		
	80	145		
	80	150		
	80	155		
	80	160		
	80	165		
	80	170		
	80	175		
	80	180		
	80	185		
	80	190		
	80	195		
	80	200		
	80	205		
	80	210		
	80	215		
	80	220		
	80	225		
	80	230		
	80	235		
	80	240		
	80	245		
	80	250		
	80	255		
	80	260		
	80	265		
	80	270		
	80	275		
	80	280		
	80	285		
	80	290		
	80	295		
	80	300		
	80	305		
	80	310		
	80	315		
	80	320		
	80	325		
	80	330		
	80	335		
	80	340		
	80	345		
	80	350		
	80	355		
	80	360		
	80	365		
	80	370		
	80	375		
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	80	385		
	80	390		
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	80	405		
	80	410		
	80	415		
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	80	425		
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	80	465		
	80	470		
	80	475		
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	80	595		
	80	600		
	80	605		
	80	610		
	80	615		
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	80	625		
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	80	665		
	80	670		
	80	675		
	80	680		
	80	685		
	80	690		
	80	695		
	80	700		
	80	705		
	80	710		
	80	715		
	80	720		
	80	725		
	80	730		
	80	735		
	80	740		
	80	745		
	80	750		
	80	755		
	80	760		
	80	765		
	80	770		
	80	775		
	80	780		
	80	785		
	80	790		
	80	795		
	80	800		
	80	805		
	80	810		
	80	815		
	80	820		
	80	825		
	80	830		
	80	835		
	80	840		
	80	845		
	80	850		
	80	855		
	80	860		
	80	865		
	80	870		
	80	875		
	80	880		
	80	885		
	80	890		
	80	895		
	80	900		
	80	905		
	80	910		
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	80	920		
	80	925		
	80	930		
	80	935		
	80	940		
	80	945		
	80	950		
	80	955		
	80	960		
	80	965		
	80	970		
	80	975		
	80	980		
	80	985		
	80	990		
	80	995		
	80	1000		
	80	1005		
	80	1010		
	80	1015		
	80	1020		
	80	1025		
	80	1030		
	80	1035		
	80	1040		
	80	1045		
	80	1050		
	80	1055		
	80	1060		
	80	1065		
	80	1070		
	80	1075		
	80	1080		
	80	1085		
	80	1090		
	80	1095		
	80	1100		
	80	1105		
	80	1110		
	80	1115		
	80	1120		
	80	1125		
	80	1130		
	80	1135		
	80	1140		
	80	1145		
	80	1150		
	80	1155		
	80	1160		
	80	1165		
	80	1170		
	80	1175		
	80	1180		
	80	1185		
	80	1190		
	80	1195		
	80	1200		
	80	1205		
	80	1210		
	80	1215		
	80	1220		
	80	1225		
	80	1230		
	80	1235		
	80	1240		
	80	1245		
	80	1250		



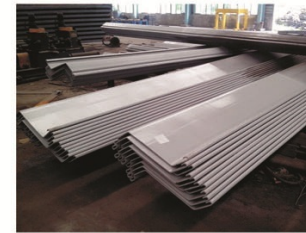
## UNEQUAL STEEL ANGEL BAR |



Model	B	b	d
10.0/6.3	100	63	6
10.0/6.3	100	63	7
10.0/6.3	100	63	8
10.0/6.3	100	63	10
10.0/8.0	100	80	6
10.0/8.0	100	80	7
10.0/8.0	100	80	8
10.0/8.0	100	80	10
11.0/7.0	110	70	6
11.0/7.0	110	70	7
11.0/7.0	110	70	8
11.0/7.0	110	70	10
12.5/8.0	125	80	7
12.5/8.0	125	80	8
12.5/8.0	125	80	10
12.5/8.0	125	80	12
12.5/8.0	140	80	8
14.0/9.0	140	90	10
14.0/9.0	140	90	12
14.0/9.0	140	90	14
14.0/9.0	150	90	8
14.0/9.0	150	90	10
14.0/9.0	150	90	12
14.0/9.0	150	90	14
14.0/9.0	150	90	16
14.0/9.0	160	100	10
14.0/9.0	160	100	12
14.0/9.0	160	100	14
14.0/9.0	160	100	16
14.0/9.0	180	110	10
14.0/9.0	180	110	12
14.0/9.0	180	110	14
14.0/9.0	180	110	16
14.0/9.0	200	125	12
14.0/9.0	200	125	14
14.0/9.0	200	125	16
14.0/9.0	200	125	18

Model	Section Size (mm)		
	B	b	d
2.5/1.6	25	16	3
2.5/1.6	25	16	4
3.2/2.0	32	20	3
3.2/2.0	32	20	4
4.0/2.5	40	25	3
4.0/2.5	40	25	4
4.5/2.8	45	28	3
4.5/2.8	45	28	4
5.0/3.2	50	32	3
5.0/3.2	50	32	4
5.0/3.2	56	36	3
5.0/3.2	56	36	4
5.0/3.2	56	36	5
5.0/3.2	63	40	4
5.0/3.2	63	40	5
5.0/3.2	63	40	6
5.0/3.2	63	40	7
5.0/3.2	70	45	4
5.0/3.2	70	45	5
5.0/3.2	70	45	6
5.0/3.2	70	45	7
5.0/3.2	75	50	5
5.0/3.2	75	50	6
5.0/3.2	75	50	8
5.0/3.2	75	50	10
5.0/3.2	80	50	5
5.0/3.2	80	50	6
5.0/3.2	80	50	7
5.0/3.2	80	50	8
5.0/3.2	90	56	5
5.0/3.2	90	56	6
5.0/3.2	90	56	7
5.0/3.2	90	56	8

## STEEL SHEET PILE |



Model	Width (w) mm	Height (h) mm	Thickness (t) mm	Section Area (cm <sup>2</sup> )	Weight per Pile (kg/m)	Weight per Meter (kg/m)	Moment of Inertia (cm <sup>4</sup> )	Modulus of Section (cm <sup>3</sup> )
SL10.1	600	150	5	119.75	58.4	58.4	3825	510
SL10.2	600	150	6	126.11	62.4	62.4	4050	540
SL10.3	600	150	7	132.47	66.4	66.4	4275	600
SL10.4	600	150	8	138.83	70.4	70.4	4500	660
SL10.5	600	150	9	145.19	74.4	74.4	4725	720
SL10.6	600	150	10	151.55	78.4	78.4	4950	780
SL10.7	600	150	11	157.91	82.4	82.4	5175	840
SL10.8	600	150	12	164.27	86.4	86.4	5400	900
SL10.9	600	150	13	170.63	90.4	90.4	5625	960
SL10.10	600	150	14	176.99	94.4	94.4	5850	1020
SL10.11	600	150	15	183.35	98.4	98.4	6075	1080
SL10.12	600	150	16	189.71	102.4	102.4	6300	1140
SL10.13	600	150	17	196.07	106.4	106.4	6525	1200
SL10.14	600	150	18	202.43	110.4	110.4	6750	1260
SL10.15	600	150	19	208.79	114.4	114.4	6975	1320
SL10.16	600	150	20	215.15	118.4	118.4	7200	1380
SL10.17	600	150	21	221.51	122.4	122.4	7425	1440
SL10.18	600	150	22	227.87	126.4	126.4	7650	1500
SL10.19	600	150	23	234.23	130.4	130.4	7875	1560
SL10.20	600	150	24	240.59	134.4	134.4	8100	1620
SL10.21	600	150	25	246.95	138.4	138.4	8325	1680
SL10.22	600	150	26	253.31	142.4	142.4	8550	1740
SL10.23	600	150	27	259.67	146.4	146.4	8775	1800
SL10.24	600	150	28	266.03	150.4	150.4	9000	1860
SL10.25	600	150	29	272.39	154.4	154.4	9225	1920
SL10.26	600	150	30	278.75	158.4	158.4	9450	1980
SL10.27	600	150	31	285.11	162.4	162.4	9675	2040
SL10.28	600	150	32	291.47	166.4	166.4	9900	2100
SL10.29	600	150	33	297.83	170.4	170.4	10125	2160
SL10.30	600	150	34	304.19	174.4	174.4	10350	2220
SL10.31	600	150	35	310.55	178.4	178.4	10575	2280
SL10.32	600	150	36	316.91	182.4	182.4	10800	2340
SL10.33	600	150	37	323.27	186.4	186.4	11025	2400
SL10.34	600	150	38	329.63	190.4	190.4	11250	2460
SL10.35	600	150	39	335.99	194.4	194.4	11475	2520
SL10.36	600	150	40	342.35	198.4	198.4	11700	2580
SL10.37	600	150	41	348.71	202.4	202.4	11925	2640
SL10.38	600	150	42	355.07	206.4	206.4	12150	2700
SL10.39	600	150	43	361.43	210.4	210.4	12375	2760
SL10.40	600	150	44	367.79	214.4	214.4	12600	2820
SL10.41	600	150	45	374.15	218.4	218.4	12825	2880
SL10.42	600	150	46	380.51	222.4	222.4	13050	2940
SL10.43	600	150	47	386.87	226.4	226.4	13275	3000
SL10.44	600	150	48	393.23	230.4	230.4	13500	3060
SL10.45	600	150	49	399.59	234.4	234.4	13725	3120
SL10.46	600	150	50	405.95	238.4	238.4	13950	3180
SL10.47	600	150	51	412.31	242.4	242.4	14175	3240
SL10.48	600	150	52	418.67	246.4	246.4	14400	3300
SL10.49	600	150	53	425.03	250.4	250.4	14625	3360
SL10.50	600	150	54	431.39	254.4	254.4	14850	3420
SL10.51	600	150	55	437.75	258.4	258.4	15075	3480
SL10.52	600	150	56	444.11	262.4	262.4	15300	3540
SL10.53	600	150	57	450.47	266.4	266.4	15525	3600
SL10.54	600	150	58	456.83	270.4	270.4	15750	3660
SL10.55	600	150	59	463.19	274.4	274.4	15975	3720
SL10.56	600	150	60	469.55	278.4	278.4	16200	3780
SL10.57	600	150	61	475.91	282.4	282.4	16425	3840
SL10.58	600	150	62	482.27	286.4	286.4	16650	3900
SL10.59	600	150	63	488.63	290.4	290.4	16875	3960
SL10.60	600	150	64	494.99	294.4	294.4	17100	4020
SL10.61	600	150	65	501.35	298.4	298.4	17325	4080
SL10.62	600	150	66	507.71	302.4	302.4	17550	4140
SL10.63	600	150	67	514.07	306.4	306.4	17775	4200
SL10.64	600	150	68	520.43	310.4	310.4	18000	4260
SL10.65	600	150	69	526.79	314.4	314.4	18225	4320
SL10.66	600	150	70	533.15	318.4	318.4	18450	4380
SL10.67	600	150	71	539.51	322.4	322.4	18675	4440
SL10.68	600	150	72	545.87	326.4	326.4	18900	4500
SL10.69	600	150	73	552.23	330.4	330.4	19125	4560
SL10.70	600	150	74	558.59	334.4	334.4	19350	4620
SL10.71	600	150	75	564.95	338.4	338.4	19575	4680
SL10.72	600	150	76	571.31	342.4	342.4	19800	4740
SL10.73	600	150	77	577.67	346.4	346.4	20025	4800
SL10.74	600	150	78	584.03	350.4	350.4	20250	4860
SL10.75	600	150	79	590.39	354.4	354.4	20475	4920
SL10.76	600	150	80	596.75	358.4	358.4	20700	4980
SL10.77	600	150	81	603.11	362.4	362.4	20925	5040
SL10.78	600	150	82	609.47	366.4	366.4	21150	5100
SL10.79	600	150	83	615.83	370.4	370.4	21375	5160
SL10.80	600	150	84	622.19	374.4	374.4	21600	5220
SL10.81	600	150	85	628.55	378.4	378.4	21825	5280
SL10.82	600	150	86	634.91	382.4	382.4	22050	5340
SL10.83	600	150	87	641.27	386.4	386.4	22275	5400
SL10.84	600	150	88	647.63	390.4	390.4	22500	5460
SL10.85	600	150	89	653.99	394.4	394.4	22725	5520
SL10.86	600	150	90	660.35	398.4	398.4	22950	5580
SL10.87	600	150	91	666.71	402.4	402.4	23175	5640
SL10.88	600	150	92	673.07	406.4	406.4	23400	5700
SL10.89	600	150	93	679.43	410.4	410.4	23625	5760
SL10.90	600	150	94	685.79	414.4	414.4	23850	5820
SL10.91	600	150	95	692.15	418.4	418.4	24075	5880
SL10.92	600	150	96	698.51	422.4	422.4	24300	5940
SL10.93	600	150	97	704.87	426.4	426.4	24525	6000
SL10.94	600	150	98	711.23	430.4	430.4	24750	6060
SL10.95	600	150	99	717.59	434.4	434.4	24975	6120
SL10.96	600	150	100	723.95	438.4	438.4	25200	6180
SL10.97	600	150	101	730.31	442.4	442.4	25425	6240
SL10.98	600	150	102	736.67	446.4	446.4	25650	6300
SL10.99	600	150	103	743.03	450.4	450.4	25875	6360
SL10.100	600	150	104	749.39	454.4	454.4	26100	6420
SL10.101	600	150	105					



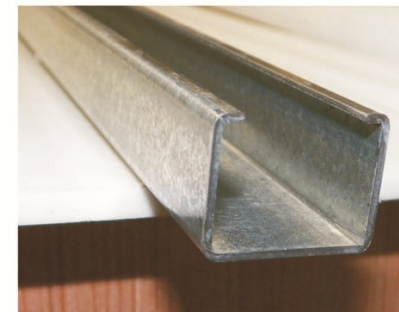
**CARBON STEEL PLATE**



Thickness mm	Theoretical Weight kg/m <sup>2</sup>	18	141.300
0.2	1.570	20	149.200
0.25	1.963	22	172.700
0.27	2.120	23	180.600
0.3	2.365	24	193.400
0.35	2.748	25	196.300
0.4	3.140	26	204.100
0.45	3.533	27	212.000
0.5	3.925	28	219.800
0.55	4.318	29	227.700
0.6	4.710	30	235.500
0.65	5.103	32	251.200
0.7	5.495	34	266.900
0.75	5.888	36	282.600
0.8	6.280	38	298.300
0.9	7.065	40	314.000
1	7.650	42	329.700
1.1	8.635	44	345.400
1.2	9.420	46	361.100
1.25	9.813	48	376.800
1.3	10.210	50	392.500
1.4	10.990	52	408.200
1.5	11.790	54	423.900
1.6	12.560	56	439.600
1.8	14.130	58	455.300
2	15.700	60	471.000
2.2	17.270	65	519.250
2.5	19.530	70	548.500
2.8	21.980	75	588.750
3	23.550	80	629.000
3.2	25.120	85	669.250
3.5	27.480	90	709.500
3.8	29.830	95	749.750
4	31.400	100	789.000
4.5	35.330	105	824.250
5	39.250	110	863.500
5.5	43.180	120	942.000
6	47.100	125	981.250
7	54.950	130	1020.500
8	62.800	140	1098.000
9	70.650	150	1177.500
10	78.500	160	1256.000
11	86.350	165	1295.250
12	94.200	170	1334.500
13	102.050	180	1413.000
14	109.900	185	1452.250
15	117.800	190	1491.500
16	125.600	195	1530.750
17	133.500	200	1570.000

Steel Grades	Product Specifications	Standard
Q235A/B/C/D	6-150/1800-3200	GB/T700-2006
Q345A/B/C/D	6-120/1800-3200	GB/T1591-2008
Q345E	6-50/1800-3200	GB/T1591-2008
Q390A/B/C/D	6-120/1800-3200	GB/T1591-2008
Q420A/B/C/D	6-80/1800-3200	GB/T1591-2008
Q450C/D	6-80/1800-3200	GB/T1591-2008
Q235C/D	6-80/1800-3200	GB/T714-2008
Q345C/D/E	6-80/1800-3200	GB/T714-2008
Q370C/D/E	6-60/1800-3200	GB/T714-2008
Q420C/D/E	6-50/1800-3200	GB/T714-2008
SS400	6-150/1800-3200	JIS G 3101-2004
S45C	6-200/1800-3200	JISG 4051-2005
SM490A	6-120/1800-3200	JISG 3106-2004
ASTM A36	6-120/1800-3200	ASTM A6/AS/A6-05
ASTM A572	6-120/1800-3200	ASTM A6/AS/A6-05
S235JR J0 J2	6-100/1800-3200	EN10025-2004
S275JR J0 J2	6-100/1800-3200	EN10025-2004
S355JR J0 J2 K2	6-80/1800-3200	EN10025-2004
Q345C/D/E	6-50/1800-3200	GB/T714-2008
Q370C/D/E	6-50/1800-3200	GB/T714-2008
Q235GJC/D/E	6-50/1800-3200	GB/T19879-2005
Q345GJC/D/E	6-50/1800-3200	GB/T19879-2005
Q390GJC/D/E	6-50/1800-3200	GB/T19879-2005
High Quality Carbon Structural Steel -45	6-200/1800-3200	GB/T699-1999
Q245R	6-50/1800-3200	GB/T13-2008
Q345R	6-50/1800-3200	GB/T13-2008
Q370R	6-50/1800-3200	GB/T13-2008
16MnDR	6-50/1800-3200	GB3531-2008
9MnNiDR	6-50/1800-3200	GB3531-2008
Level A,B,D Series	6-38/1800-3200	Specification of Various Countries
Level	6-38/1800-3200	Specification of Various Countries
A32A/B, D32/D36	16-30/1800-3200	YB/T4137-2005
Q650CFD/DOB	16-30/1800-3200	YB/T4137-2005

**COLD FORMED C CHANNEL&PURLIN**



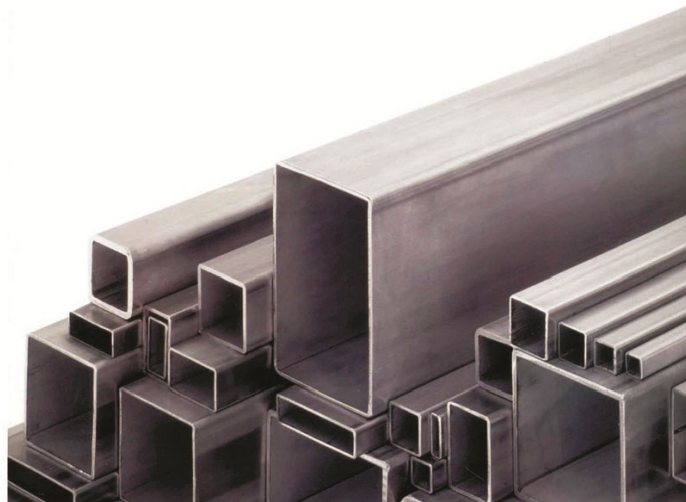
Web	Size mm			Thickness	Standard
	Flange	Lip	Thickness		
60	30	10	2.5		
60	30	10	3.0		
100	50	20	2.5		
100	50	20	3.0		
140	60	20	2.5		
140	60	20	3.0		
180	60	20	3.0		
180	70	20	3.0		
200	60	20	3.0		
200	70	20	3.0		
250	40	15	3.0		
300	40	15	3.0		GBT 6723-2008
400	50	15	3.0		
450	70	30	6.0		
450	70	30	8.0		
500	100	40	6.0		
500	100	40	8.0		
500	100	40	10.0		
550	120	50	8.0		
550	120	50	10.0		
550	120	50	12.0		
600	150	60	12.0		
600	150	60	14.0		
600	150	60	16.0		



## SQUARE&RECTANGLE STEEL TUBE&PIPE |



<b>Standard</b>	ASTM, BS, EN, GB
<b>Grade</b>	Q195, Q235, Q345
<b>Thickness</b>	0.5-20 mm
<b>Outer Diameter</b>	15-300 mm



## GALVANIZED STEEL COIL |

Model	Nominal Thickness (mm)	Application	Standard
SGHC	1.60 - 6.00	General	
SGH340	1.60 - 6.00	Structure	
SGH400	1.60 - 6.00	Structure	
SGH440	1.60 - 6.00	Structure	
SGH490	1.60 - 6.00	Structure	
SGH540	1.60 - 6.00	Structure	
SGCC	0.25 - 3.2	General	
SGCH	0.11 - 1.0	General Hard	JIS G
SGCD1	0.40 - 2.3	Drawing Level 1	3302:2005
SGCD2	0.40 - 2.3	Drawing Level 2	
SGCD3	0.60 - 2.3	Drawing Level 3	
SGC340	0.25 - 3.2	Structure	
SGC400	0.25 - 3.2	Structure	
SGC440	0.25 - 3.2	Structure	
SGC490	0.25 - 3.2	Structure	
SGC570	0.25 - 2.0	Structure	



ASTM A653 / A653M 2004a		Minimum Requirement		
Type	Coating Designation	Triple-Spot Test		Single-Spot Test
		Inch-Pound Units	SI Units	SI Units
		Total Both Sides, oz/ft <sup>2</sup>	One Side	Total Both Sides, g/m <sup>2</sup>
Zinc	G360	3.60	1.28	3.20
	G300	3.00	1.04	2.90
	G235	2.35	0.80	2.00
	G240	2.40	0.72	1.80
	G185	1.85	0.64	1.60
	G165	1.65	0.56	1.40
	G140	1.40	0.48	1.20
	G115	1.15	0.40	1.00
	G90	0.90	0.32	0.80
	G60	0.60	0.20	0.50
	G40	0.40	0.12	0.30
	G300	0.30	0.10	0.25
	G01	no minimum	no minimum	no minimum
	A60	0.60	0.20	0.50
Zinc-iron alloy	A40	0.40	0.12	0.30
	A25	0.25	0.08	0.20
	A01	no minimum	no minimum	no minimum
	SI Units			
	Type	Coating Designation	Total Both Sides, g/m <sup>2</sup>	One Side
Zinc	Z1100	1100	390	975
	Z900	900	316	790
	Z700	700	238	595
	Z600	600	204	510
	Z550	550	190	475
	Z500	500	170	425
	Z450	450	154	385
	Z350	350	120	300
	Z275	275	94	235
	Z180	180	60	150
	Z120	120	36	90
	Z90	90	30	75
	Z001	no minimum	no minimum	no minimum
	Zinc-iron alloy	ZF180	180	60
ZF120		120	36	90
ZF75		75	24	60
ZF001		no minimum	no minimum	no minimum



DIN EN 10327:2004		Chemical Composition						Yield Strength	Tensile Strength	Elongation	Plastic Strain Ratio	Strain Hardening Exponent	
Steel Model	Hot Dip Coating Type	Weight Percent						Re Mpa	Rm Mpa	A80 % >	r90 >	n90 >	
		C	Si	Mn	P	S	Ti						
DX51D	1 0226	+Z +ZF +ZA +AZ +AS	0.12	0.5	0.6	0.1	0.045	0.3	-	270 - 500	22	-	-
DX52D	1 0350	+Z +ZF +ZA +AZ +AS	0.12	0.5	0.6	0.1	0.045	0.3	140 - 300	270 - 420	26	-	-
DX53D	1 0355	+Z +ZF +ZA +AZ +AS	0.12	0.5	0.6	0.1	0.045	0.3	140 - 200	270 - 380	30	-	-
DX54D	1 0306	+Z +ZA	0.12	0.5	0.6	0.1	0.045	0.3	120 - 220	260 - 350	36	1.6	0.18
DX54D	1 0306	+ZF	0.12	0.5	0.6	0.1	0.045	0.3	120 - 220	260 - 350	34	1.4	0.18
DX54D	1 0306	+AZ	0.12	0.5	0.6	0.1	0.045	0.3	120 - 220	260 - 350	36	-	-
DX54D	1 0306	+AS	0.12	0.5	0.6	0.1	0.045	0.3	120 - 220	260 - 350	36	1.4	0.18
DX55D	1 0226	+AS	0.12	0.5	0.6	0.1	0.045	0.3	140 - 240	270 - 370	30	-	-
DX56D	1 0226	+Z +ZA	0.12	0.5	0.6	0.1	0.045	0.3	120 - 180	260 - 350	39	1.9	0.21
DX56D	1 0226	+ZF	0.12	0.5	0.6	0.1	0.045	0.3	120 - 180	260 - 350	37	1.7	0.20
DX56D	1 0226	+AS	0.12	0.5	0.6	0.1	0.045	0.3	120 - 180	260 - 350	39	1.7	0.20
DX57D	1 0226	+Z +ZA	0.12	0.5	0.6	0.1	0.045	0.3	120 - 170	260 - 350	41	2.1	0.22
DX57D	1 0226	+ZF	0.12	0.5	0.6	0.1	0.045	0.3	120 - 170	260 - 350	39	1.9	0.21
DX57D	1 0226	+AS	0.12	0.5	0.6	0.1	0.045	0.3	120 - 170	260 - 350	41	1.9	0.21





**HOT ROLLED STEEL REBAR |**



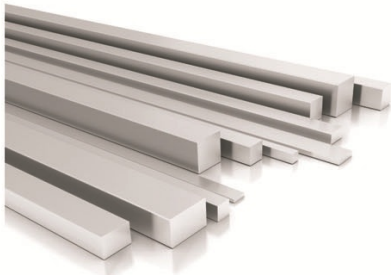
Nominal Diameter mm	Nominal Cross-sectional Area mm <sup>2</sup>	Standard	Chemical Composition %						Mechanical Properties				Bending Performance		
			Model	C	Si	Mn	P	S	Ceq	Yield Strength MPa	Tensile Strength MPa	Elongation %	Elongation Max Force %	Nominal Diameter	Bent Core Diameter
6	28.27	GB 1499.2-2007	HRB335 HRBF335	< 0.25	< 0.80	< 1.60	< 0.045	< 0.045	< 0.54	> 400	> 540	> 16	> 7.5	6-25	3d
8	50.27													28-40	4d
10	78.54													> 40-50	5d
12	113.1													6-25	4d
14	153.9													28-40	5d
16	201.1													> 40-50	6d
18	254.5													6-25	4d
20	314.2													28-40	5d
22	380.1													> 40-50	6d
25	490.9													6-25	4d
28	615.8	28-40	5d												
32	804.2	> 40-50	6d												
36	1017.9	6-25	4d												
40	1257	28-40	7d												
50	1964	> 40-50	8d												

**CARBON STEEL COIL (COLD ROLLED & HOT ROLLED) |**



<b>Standard</b>	ASTM, DIN, EN, GB, JIS
<b>Thickness</b>	1.0-20 / 0.12-2.0 mm (Hot Rolled / Cold Rolled)
<b>Width</b>	1000, 1220, 1250, 1500, 1800 mm

**ROUND&SQUARE STEEL |**



Nominal Diameter of Round Steel d Nominal Length of Square Steel a mm	Round Steel	Square Steel	Standard
5.5	○	□	
6	○	□	
6.5	○	□	
7	○	□	
8	○	□	
9	○	□	
10	○	□	
11	○	□	
12	○	□	
13	○	□	
14	○	□	
15	○	□	
16	○	□	
17	○	□	
18	○	□	
19	○	□	
20	○	□	
21	○	□	
22	○	□	
23	○	□	
24	○	□	
25	○	□	
26	○	□	
27	○	□	
28	○	□	
29	○	□	
30	○	□	
31	○	□	
32	○	□	
33	○	□	
34	○	□	
35	○	□	
36	○	□	
38	○	□	
40	○	□	
42	○	□	
45	○	□	
48	○	□	
50	○	□	
53	○	□	
55	○	□	
56	○	□	
58	○	□	
60	○	□	
63	○	□	
65	○	□	
68	○	□	
70	○	□	
75	○	□	
80	○	□	
90	○	□	
95	○	□	
100	○	□	
105	○	□	
110	○	□	
115	○	□	
120	○	□	
125	○	□	
130	○	□	
135	○	□	
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145	○	□	
150	○	□	
155	○	□	
160	○	□	
165	○	□	
170	○	□	
180	○	□	
190	○	□	
200	○	□	
210	○	□	
220	○	□	
230	○	□	
240	○	□	
250	○	□	
260	○	□	
270	○	□	
280	○	□	
290	○	□	
300	○	□	
310	○	□	

GB/T  
702-2008

**HOT ROLLED STEEL WIRE ROD |**



<b>Standard</b>	AISI, ASTM, BS, DIN, GB, JIS
<b>Grade</b>	SAE1006, 1008, 1010, 1012, 1015, 1018, 1020
<b>Diameter</b>	5.5-40 mm





PRE-PAINTED GALVANIZED STEEL COIL |



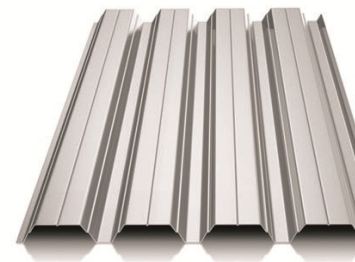
<b>Standard</b>	ASTM, EN, GB, JIS
<b>Grade</b>	CGC340-CGC570, CGCD1-CGCD3, DX51D, SGCC, SGCH, etc
<b>Thickness</b>	0.14-2.00 mm
<b>Width</b>	800-1250 mm
<b>Color</b>	RAL Color



CORRUGATED STEEL SHEET |

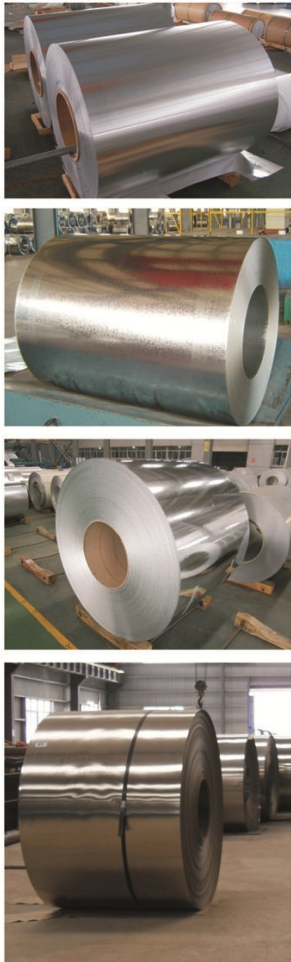


<b>Standard</b>	ASTM, GB, JIS
<b>Grade</b>	DX51D, SGCC, SPCC, etc
<b>Thickness</b>	0.12-3.2 mm
<b>Width</b>	600-1500 mm
<b>Color</b>	RAL Color



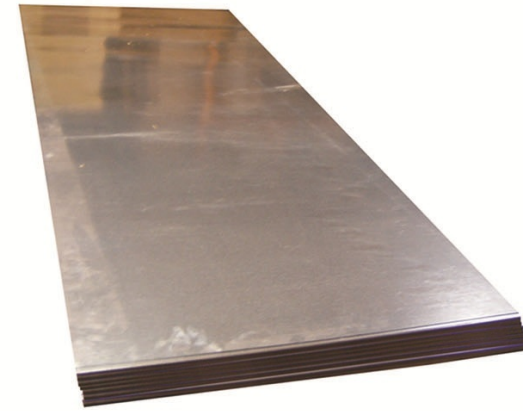


STAINLESS STEEL COIL |



<b>Standard</b>	ASTM, EN, DIN, GB, JIS
<b>Grade</b>	201, 202, 301, 302, 303, 304, 304L, 305, 309, 309S, 310, 310S, 310L, 316, 316L, 316Ti, 317, 317L, 321, 321H, 347, 347H, 403, 405, 409, 409L, 410, 410S, 420, 420J1, 420J2, 430, 631, 904L, etc
<b>Thickness</b>	0.2-16 mm
<b>Width</b>	600-2200 mm

STAINLESS STEEL SHEET |



Model	Thickness	Width	Length
1	0.3	1000	2000
2	0.3	1219	2438
3	0.4	1000	2000
4	0.4	1219	2438
5	0.5	1000	2000
6	0.5	1219	2438
7	0.6	1000	2000
8	0.6	1219	2438
9	0.7	1000	2000
10	0.7	1219	2438
20	1.5	1219	2438
21	2	1000	2000
22	2	1219	2438
23	2.5	1000	2000
24	2.5	1219	2438
25	3	1000	2000
26	3	1219	2438
27	3	1500	6000
28	4	1500	6000
39	24	1500	6000
40	25	1500	6000
41	30	1500	6000
42	35	1500	6000
43	40	1500	6000
44	45	1500	6000
45	50	1500	6000
46	55	1500	6000
47	60	1500	6000

