



SELECTION STEEL

CONVERSIONS

FLATS

mm	kg/M	mm	kg/M	mm	kg/M	mm	kg/M
10 x 3	0.241	40 x 20	6.437	90 x 6	4.346	150 x 12	14.453
13 x 3	0.313	45 x 10	3.620	90 x 8	5.791	150 x 16	19.270
13 x 5	0.523	50 x 3	1.210	90 x 10	7.236	150 x 20	24.190
13 x 6	0.627	50 x 5	2.009	90 x 12	8.692	150 x 25	30.135
16 x 3	0.386	50 x 6	2.419	100 x 5	4.028	150 x 50	60.373
16 x 5	0.644	50 x 8	3.219	100 x 6	4.828	180 x 6	8.692
16 x 8	1.030	50 x 10	4.028	100 x 8	6.437	180 x 10	14.453
20 x 3	0.483	50 x 12	4.828	100 x 10	8.046	180 x 12	17.425
20 x 5	0.805	50 x 16	6.437	100 x 12	9.656	180 x 20	29.008
20 x 6	0.964	50 x 20	8.046	100 x 16	12.915	200 x 6	9.656
20 x 10	1.609	50 x 25	10.055	100 x 20	16.093	200 x 8	12.915
25 x 3	0.604	55 x 6	2.655	100 x 25	20.090	200 x 10	16.093
25 x 5	1.006	65 x 3	1.568	100 x 50	40.282	200 x 12	19.27
25 x 6	1.210	65 x 5	2.614	110 x 5	4.428	200 x 16	25.728
25 x 8	1.609	65 x 6	3.137	110 x 6	5.310	200 x 20	32.185
25 x 10	2.009	65 x 8	4.182	110 x 8	7.083	200 x 25	40.283
25 x 12	2.419	65 x 10	5.228	110 x 10	8.856	250 x 6	12.095
32 x 3	0.773	65 x 12	6.273	110 x 12	10.660	250 x 10	20.090
32 x 5	1.292	65 x 16	8.364	130 x 5	5.228	250 x 12	24.190
32 x 6	1.548	65 x 20	10.455	130 x 6	6.273	250 x 16	32.185
32 x 8	2.060	65 x 25	13.075	130 x 8	8.364	250 x 20	40.231
32 x 10	2.573	75 x 5	3.014	130 x 10	10.455	250 x 25	50.289
32 x 12	3.090	75 x 6	3.618	130 x 12	12.505	300 x 6	14.453
40 x 3	0.966	75 x 8	4.828	130 x 16	16.708	300 x 10	24.190
40 x 5	1.609	75 x 10	6.037	130 x 20	20.91	300 x 12	29.008
40 x 6	1.927	75 x 12	7.247	130 x 25	26.138	300 x 16	38.662
40 x 8	2.573	75 x 16	9.656	150 x 5	6.037	300 x 20	48.278
40 x 10	3.219	75 x 20	12.095	150 x 6	7.236	300 x 25	60.346
40 x 12	3.864	75 x 25	15.068	150 x 8	9.656		
40 x 16	5.146	75 x 40	24.19	150 x 10	12.095		

ROUNDS

mm	kg/M
5	0.158
6.3	0.251
8	0.405
10	0.631
12	0.909
14	1.240
16	1.620
18	2.040
20	2.522
22	3.055
24	3.639
27	4.602
30	5.689
33	6.888
36	8.190
39	9.614
42	11.173
45	12.813
48	14.555
50	15.785

ANGLES EQUAL

mm	kg/M	mm	kg/M
20 x 20 x 3	1.148	100 x 100 x 6	9.389
25 x 25 x 3	1.691	100 x 100 x 8	12.095
25 x 25 x 5	2.132	100 x 100 x 10	14.555
25 x 25 x 6	1.384	100 x 100 x 12	18.142
30 x 30 x 3	2.060	125 x 125 x 8	15.273
30 x 30 x 5	2.060	125 x 125 x 10	18.450
30 x 30 x 6	2.624	125 x 125 x 12	23.063
40 x 40 x 3	1.876	125 x 125 x 16	29.828
40 x 40 x 5	2.798	150 x 150 x 10	22.448
40 x 40 x 6	3.588	150 x 150 x 12	27.982
45 x 45 x 3	2.112	150 x 150 x 16	36.285
45 x 45 x 5	3.178	150 x 150 x 19	43.153
45 x 45 x 6	4.069	200 x 200 x 13	41.000
50 x 50 x 3	2.368	200 x 200 x 16	49.917
50 x 50 x 5	3.567	200 x 200 x 18	55.760
50 x 50 x 6	4.571	200 x 200 x 20	61.603
50 x 50 x 8	5.822		
55 x 55 x 5	3.936		
55 x 55 x 6	5.053		
65 x 65 x 5	4.674		
65 x 65 x 6	6.016		
65 x 65 x 8	7.698		
65 x 65 x 10	9.246		
75 x 75 x 5	5.402		
75 x 75 x 6	6.980		
75 x 75 x 8	8.948		
75 x 75 x 10	10.763		
90 x 90 x 6	8.426		
90 x 90 x 8	10.865		
90 x 90 x 10	13.018		

UNEQUAL ANGLES

mm	kg/M
65 x 50 x 5	4.120
65 x 50 x 6	5.289
65 x 50 x 8	6.755
75 x 50 x 5	4.510
75 x 50 x 6	5.801
75 x 50 x 8	7.411
100 x 75 x 6	8.180
100 x 75 x 8	10.558
100 x 75 x 10	12.710
125 x 75 x 6	9.389
125 x 75 x 8	12.095
125 x 75 x 10	14.555
125 x 75 x 12	18.142
150 x 90 x 8	14.658
150 x 90 x 10	17.732
150 x 90 x 12	22.140
150 x 90 x 16	28.597
150 x 100 x 10	18.450
150 x 100 x 12	23.063

PLATES

mm	kg/M2
3	23.55
4	31.40
5	39.25
6	47.10
8	62.80
10	78.50
12	94.20
16	125.60
20	157.00
25	196.25
28	219.80
32	251.20
36	282.60
40	314.00
45	353.25
50	392.50
55	431.75
60	471.00
65	510.25
70	549.50
80	628.00
90	706.50
100	785.00

UNIVERSAL BEAMS

mm	kg/M
150UB	14.0
	18.0
180UB	16.1
	18.1
	22.2
200UB	18.2
	22.3
	25.4
	29.8
250UB	25.7
	31.4
	37.3
310UB	32.0
	40.4
	46.2
360UB	44.7
	50.7
	56.7
410UB	53.7
	59.7
460UB	67.1
	74.6
	82.1
530UB	82.0
	92.4
610UB	101.0
	113.0
	125.0

UNIVERSAL COLUMNS

mm	kg/M
100UC	14.8
150UC	23.4
	30.0
	37.2
200UC	46.2
	52.2
	59.5
250UC	72.9
	89.5
310UC	96.8
	118.0
	137.0
	158.0

CHANNELS

mm	kg/M
50 x 25	4.50
75 x 40	5.92
100 x 50	8.33
125 x 65	11.90
150 x 75	17.70
180 x 75	20.90
200 x 75	22.90
230 x 75	25.10
250 x 90	35.50
300 x 90	40.10
380 x 100	55.20

PIPE

mm	N/B	OD	Type	W/T	Black kg/M	Gal kg/M	mm	N/B	OD	Type	W/T	Black kg/M	Gal kg/M
15	21.3		XL	1.6	0.78	0.84				L	3.2	5.75	5.89
			L	2.0	0.95	1.01				M	3.6	6.44	6.57
			M	2.6	1.20	1.22				H	4.5	7.95	8.08
			H	3.2	1.43	1.45	80	88.9	XL	2.6	5.53	5.70	
20	26.9		XL	2.0	1.23	1.28			L	3.2	6.76	6.93	
			L	2.3	1.40	1.44			M	4.0	8.38	8.54	
			M	2.6	1.56	1.60			H	4.9	10.30	10.60	
			H	3.2	1.87	1.92	90	101.6	XL	2.6	6.35	6.53	
			XH	4.0	2.26				L	3.2	7.77	7.95	
25	33.7		XL	2.0	1.59	1.62			M	4.0	9.63	9.81	
			L	2.6	1.99	2.05			H	4.9	11.90	12.20	
			M	3.2	2.41	2.46	100	114.3	XL	3.2	8.77	8.98	
			H	4.0	2.93	2.99			L	3.6	9.83	10.00	
			XH	4.5	3.24				M	4.5	12.20	12.40	
32	42.4		XL	2.0	1.99	2.07			H	5.4	14.50	14.70	
			L	2.6	2.55	2.63	125	139.7	M	4.9	16.60	16.90	
			M	3.2	3.09	3.17			H	5.4	17.90	18.10	
			H	4.0	3.79	3.86	150	165.1	M	4.9	19.70	20.00	
			XH	4.9	4.53				H	5.4	21.30	21.60	
40	48.3		XL	2.3	2.61	2.70							
			L	2.9	3.25	3.33							
			M	3.2	3.56	3.64							
			H	4.0	4.37	4.45							
			XH	5.4	5.71								
50	60.3		XL	2.3	3.29	3.40							
			L	2.9	4.11	4.21							
			M	3.6	5.03	5.14							
			H	4.5	6.19	6.30							
65	76.1		XL	2.3	4.19	4.32							
			L	3.2	5.75	5.89							
			M	3.6	6.44	6.57							
			H	4.5	7.95	8.08							



FLOOR PLATES

mm	kg/M2
2	17.70
3	25.55
4	33.40
5	41.25
6	49.10
8	64.80
10	80.50
12	96.20

SQUARES

mm	kg/M
8	0.56
10	0.81
12	1.158
16	2.06
20	3.22
25	5.03
32	8.24
40	12.81
50	19.60

R.H.S. SQUARES

6.5M LENGTHS

mm	L/B	kg/M
13 x 13 x 18	100	0.568
15 x 15 x 1.8	100	0.681
20 x 20 x 1.6	100	0.873
25 x 25 x 1.6	100	1.12
25 x 25 x 2.0	100	1.36
25 x 25 x 2.5	100	1.64
25 x 25 x 3.0	100	1.89

8.0M LENGTHS

mm	L/B	kg/M
30 x 30 x 1.6	100	1.38
30 x 30 x 2.0	100	1.68
35 x 35 x 1.6	100	1.63
35 x 35 x 2.0	100	1.99
35 x 35 x 2.5	64	2.42
35 x 35 x 3.0	64	2.83
40 x 40 x 1.6	81	1.88
40 x 40 x 2.0	81	2.31
40 x 40 x 2.5	64	2.82
40 x 40 x 4.0	49	4.09
50 x 50 x 1.6	64	2.38
50 x 50 x 2.0	64	2.93
50 x 50 x 2.5	49	3.60
50 x 50 x 3.0	49	4.25
50 x 50 x 4.0	36	5.35
65 x 65 x 2.0	42	3.88
65 x 65 x 2.5	42	4.78
65 x 65 x 3.0	36	5.66
75 x 75 x 2.5	30	5.56
75 x 75 x 3.0	30	6.60

8.0M LENGTHS

mm	L/B	kg/M
75 x 75 x 3.5	25	7.53
75 x 75 x 4.0	25	8.49
75 x 75 x 5.0	20	10.30
75 x 75 x 6.0	16	12.00
89 x 89 x 3.5	20	9.07
89 x 89 x 5.0	16	12.50
89 x 89 x 6.0	12	14.70
100 x 100 x 3.0	20	8.96
100 x 100 x 4.0	16	11.60
100 x 100 x 5.0	12	14.20
100 x 100 x 6.0	12	16.70
100 x 100 x 9.0	9	23.50
125 x 125 x 4.0	12	14.80
125 x 125 x 5.0	12	18.20
125 x 125 x 6.0	9	21.40
125 x 125 x 9.0	8	30.60
150 x 150 x 5.0	9	22.10
150 x 150 x 6.0	6	26.20
150 x 150 x 9.0	6	37.70
200 x 200 x 5.0	6	29.90
200 x 200 x 6.0	4	35.60
200 x 200 x 9.0	4	51.80
250 x 250 x 6.0	4	45.00
250 x 250 x 9.0	2	65.90

R.H.S. RECTANGLES

mm	L/B	kg/M
50 x 20 x 1.6	96	1.63
50 x 20 x 2.0	96	1.99
50 x 20 x 2.5	72	2.42
50 x 20 x 3.0	72	2.83
50 x 25 x 1.6	96	1.75
50 x 25 x 2.0	96	2.15
50 x 25 x 2.5	72	2.62
50 x 25 x 3.0	60	3.07
65 x 35 x 2.0	54	2.93
65 x 35 x 2.5	54	3.60
65 x 35 x 3.0	45	4.25
75 x 25 x 1.6	65	2.38
75 x 25 x 2.0	65	2.93
75 x 25 x 2.5	48	3.60
75 x 50 x 2.0	42	3.72
75 x 50 x 2.5	42	4.58
75 x 50 x 3.0	35	5.42
75 x 50 x 4.0	28	6.92
75 x 50 x 5.0	24	8.35
75 x 50 x 6.0	20	9.67
100 x 50 x 2.0	32	4.50
100 x 50 x 2.5	32	5.56
100 x 50 x 3.0	32	6.60
100 x 50 x 4.0	24	8.49
100 x 50 x 5.0	18	10.30
100 x 50 x 6.0	15	12.00
125 x 75 x 3.0	35	8.96
125 x 75 x 4.0	28	11.60
125 x 75 x 5.0	24	14.20

mm	L/B	kg/M
125 x 75 x 6.0	20	16.70
150 x 50 x 3.0	32	8.96
150 x 50 x 4.0	24	11.60
150 x 50 x 5.0	18	14.20
150 x 100 x 4.0	12	14.80
150 x 100 x 5.0	12	18.20
150 x 100 x 6.0	9	21.40
150 x 100 x 9.0	6	30.60
200 x 100 x 4.0	8	17.90
200 x 100 x 5.0	8	22.10
200 x 100 x 6.0	8	26.20
200 x 100 x 9.0	6	37.70
250 x 150 x 5.0	6	29.90
250 x 150 x 6.0	4	35.60
250 x 150 x 9.0	4	51.80

CONVERSION TABLE

in	mm
1	= 25.400
2	= 50.800
3	= 76.200
4	= 101.600
5	= 127.000
6	= 152.400
7	= 177.800
8	= 203.200
9	= 228.600
10	= 254.000
11	= 279.400
12	= 304.800
36	= 914.400
1/2	= 12.700
1/4	= 6.3500
3/4	= 19.0500
1/8	= 3.1750
3/8	= 9.5250
5/8	= 15.8750
7/8	= 22.2250
1/16	= 1.58750
3/16	= 4.76250
5/16	= 7.93750
7/16	= 11.11250
9/16	= 14.28750
11/16	= 17.46250
13/16	= 20.63750
15/16	= 23.81250

