



SQUARES, ROUNDS & RIBBED TOR STEEL			
Diameter MM	Weight per Metre (Kg.)		
	Sq.	Rds.	Rib/Tor
6'	0.28	0.22	0.23
8'	0.50	0.39	0.39
10'	0.78	0.62	0.62
12'	1.13	0.89	0.90
14'	1.54	1.21	1.21
16'	2.01	1.58	1.60
18'	2.54	2.00	2.00
20'	3.14	2.47	2.50
22'	3.8	3.00	3.00
25'	4.9	3.80	3.85
28'	6.2	4.80	4.83
32'	8.1	6.30	6.31
36'	10.2	8.00	8.00
40'	12.6	9.90	9.90
45'	15.9	12.49	-
50'	19.6	15.40	15.41
56'	24.6	19.35	
63'	31.1	24.47	
80'	50.24	39.46	
90'	63.58	49.94	
100'	78.5	61.66	
110'	94.91	74.60	
125'	122.6	96.34	
140'	153.86	120.84	
160'	200.96	157.84	
180'	254.34	199.76	
200'	314.00	244.26	

BIRMINGHAM GAUGES TO MILLIMETERS			
B.G.	mm	B.G.	mm
0	10.07	21	0.8865
1	8.971	22	0.7938
2	7.993	23	0.7066
3	7.122	24	0.6289
4	6.350	25	0.5598
5	5.652	26	0.4981
6	5.032	27	0.4432
7	4.481	28	0.3969
8	3.988	29	0.3531
9	3.551	30	0.3124
10	3.175	31	0.2794
11	2.827	32	0.2489
12	2.517	33	0.2210
13	2.240	34	0.1956
14	1.994	35	0.1753
15	1.775	36	0.1549
16	1.588	37	0.1372
17	1.412	38	0.1219
18	1.257	39	0.1092
19	1.118	40	0.09804
20	0.9957		

WEIGHT OF PLATES			
MW	Wt. per Sq. M.K.G.	MW	Wt. per Sq. M.K.G.
5	39.25	28	219.80
6	47.10	32	251.20
8	62.80	36	282.60
10	78.50	40	314.00
12	94.20	45	353.20
14	109.90	50	392.50
16	125.60	56	439.60
18	141.30	63	494.50
20	157.00	71	557.40
22	172.70	80	628.00
25	196.25		

WEIGHT OF CHEQUERED PLATES	
Thickness MM (on plate)	Weight Per.Sq.Meter Kg
5	43.50
6	52.30
7	61.30
10	83.40
12	100.60

BLACK SHEET			M.S.CHANNELS	
G	MM	Theoretical Wt.inKGper Sq.Metre	Size	Wt./Metre
8	4.00	31.40	41 x 32	4.79
9	3.55	27.90	1 3/4 x 1 1/4	5.06
10	3.15	24.75	75 x 40	7.10
11	2.80	22.00	100 x 50	9.60
12	2.50	19.60	125 x 65	13.70
13	2.25	17.00	150 x 75	16.80
14	2.00	15.70	175 x 75	19.60
15	1.80	14.15	200 x 75	22.30
16	1.60	12.55	200 x 76	24.20
17	1.40	11.00	225 x 80	26.01
18	1.25	9.80	250 x 80	30.50
19	1.12	8.80	250 x 82	34.20
20	1.00	7.85	300 x 90	36.30
21	0.90	7.05	400 x 100	50.10
22	0.80	6.30	10' x 3'	28.69
24	0.63	4.95	10' x 3 1/2	36.40
26	0.50	3.90	15' x 4'	54.12
28	0.40	3.15		

Thickness Size MM mm x mm	M.S. FLATS (Weight Per Metre in K.G)									
	3	5	6	8	10	12	16	20	25	
12	0.3	0.5	0.6							
20	0.6	0.8	0.9	1.3	1.6	1.9	2.5	3.1	3.9	
25	0.8	1.0	1.2	1.6	2.0	2.4	3.1	3.9	4.9	
32	1.1	1.3	1.5	2.0	2.4	3.0	4.0	5.0	6.3	
40	1.4	1.6	1.9	2.5	3.1	3.8	5.0	6.3	7.8	
50	1.7	2.0	2.4	3.1	3.9	4.7	6.3	7.8	9.8	
65	*	*	3.1	4.1	5.1	6.1	*	10.2	*	
75	*	*	3.5	4.7	5.9	7.1	9.4	11.8	14.7	
100	*	3.9	4.7	6.3	7.8	9.4	12.6	15.7	19.6	
125	*	4.9	5.9	7.8	9.8	11.8	15.7	19.6	25.5	
150	*	*	7.0	9.4	11.8	14.1	18.8	23.6	29.4	
200	*	7.8	9.4	12.6	15.7	18.8	25.1	31.4	39.2	

Thickness Size MM mm x mm	M.S. EQUAL ANGLES												Kg/m
	3	4	5	6	8	10	12	16	19	20	25		
20x20	0.9	1.1											
25x25	1.1	1.4	1.8	2.2									
30x30	1.4	1.8	2.2										
35x35	1.6	2.1	2.6	3.0									
40x40	1.8	2.4	3.0	3.5									
45x45	2.1	2.7	3.4	4.0									
50x50	2.3	3.0	3.8	4.5									
55x55			4.1	4.9	6.4	7.0							
60x60			4.5	5.4	7.0	8.6							
65x65				5.8	7.7	9.4							
75x75			5.7	6.8	8.9	11.0							
80x80				7.3	9.6	11.8	14.0						
90x90				8.2	10.8	13.4	15.8						
100x100				9.2	12.1	14.9	17.7						
110x110					13.4	16.5	19.6	24.2					
130x130					15.9	19.7	24.2	28.9					
150x150						22.8	27.2	35.7	39.9				
200x200							35.6	48.5	54.0	60.0	73.6		

INDIAN STANDARD METRIC SECTION R.S. Joist			
Size MM x MM	Wt./Meter Kg	Size MM x MM	Wt./Meter Kg
1 100 x 50	8 34	15 200 x 100	25 90
2 100 x 70	11 50	16 8' x 6'	52 09
3 116 x 100	23 00	17 225 x 100	31 30
4 120 x 58	11 20	18 250 x 125	38 10
5 125 x 70	13 20	19 12' x 5'	47 62
6 140 x 66	14 40	20 300 x 140	45 10
7 140 x 73	18 70	21 13' x 5'	52 09
8 150 x 75	15 00	22 15' x 5'	52 10
9 160 x 74	17 90	23 350 x 140	52 90
10 6' x 5'	37 20	24 400 x 140	62 60
11 150 x 150	37 10	25 450 x 150	73 10
12 175 x 85	19 50	26 500 x 180	87 70
13 180 x 82	21 90	27 550 x 190	103 70
14 200 x 90	26 20	28 600 x 210	122 60