

ISA - HOT - ROLLED STEEL EQUAL ANGLES

(as per IS : 808, 1976 and Part V)

	Designation	Size (mm X mm)	Thickness (mm)	Weight per metre (in Kg)
?	ISA 2020	20 x 20	3	0.9
			4	1.1
?	ISA 2525	25 x 25	3	1.1
			4	1.4
			5	1.8
?	ISA 3030	30 x 30	3	1.4
			4	1.8
			5	2.2
?	ISA 3535	35 x 35	3	1.6
			4	2.1
			5	2.6
			6	3.0
?	ISA4040	40 x 40	3	1.8
			4	2.4
			5	3.0
			6	3.5
?	ISA 4545	45 x 45	3	2.1
			4	2.7
			5	3.4
			6	4.0
?	ISA 5050	50 x 50	3	2.3
			4	3.0
			5	3.8
			6	4.5

			7	5.15
			8	5.82
?	ISA 5555	55 x 55	5	4.1
			6	4.9
			8	6.4
			10	7.9
?	ISA 6060	60 x 60	4	3.7
			5	4.5
			6	5.4
			8	7.0
			10	8.6
?	ISA 6565	65 x 65	5	4.9
			6	5.8
			8	7.7
			10	9.4
?	ISA 7070	70 x 70	5	5.3
			6	6.3
			7	7.38
			8	8.3
			10	10.2
?	ISA 7575	75 x 75	5	5.7
			6	6.8
			8	8.9
			10	11.0
?	ISA 8080	80 x 80	6	7.3
			8	9.6
			10	11.8
			12	14.0
?	ISA 9090	90 x 90	6	8.2

			8	10.8
			10	13.4
			12	15.8
?	ISA 100100	100 x 100	6	9.2
			6.5	9.99
			8	12.1
			10	14.9
			12	17.7
			15	21.9
?	ISA 110110	110 x 110	8	13.4
			10	16.6
			12	19.7
			16	25.7
?	ISA 120120	120 x 120	8	14.7
			10	18.2
			12	21.6
			15	26.6
?	ISA 130130	130 x 130	8	15.9
			10	19.7
			12	23.5
			16	30.7
?	ISA 150150	150 x 150	10	22.9
			12	27.3
			15	33.
			16	35.8
			18	40.1
			20	44.1
?	ISA 180180	180 x 180	15	40.9

			18	48.6
			20	53.7
?	ISA 200200	200 x 200	12	36.9
			16	48.5
			20	60.0
			24	71.1
			25	73.9

Ms Angle

All kind of Angle are available in various sizes and length as per requirement.
Basic sizes available are as under :

M.S. Angle		
Size	Weight in Kgs. Per Feet	Weight in Kgs. per Mtr.
ISA 50 x 50 x 6	1.371	4.5
ISA 65 x 65 x 6	1.768	5.8
ISA 65 x 65 x 8	2.347	7.7
ISA 65 x 65 x 10	2.865	9.4

M.S. Angle

ISA 75 x 75 x 6	2.073	6.8
ISA 75 x 75 x 8	2.713	8.9
ISA 75 x 75 x 10	3.353	11.0
ISA 90 x 90 x 6	2.500	8.2
ISA 90 x 90 x 8	3.292	10.8
ISA 90 x 90 x 10	4.085	13.4
ISA 100 x 100 x 8	3.689	12.1
ISA 100 x 100 x 10	4.542	14.9
ISA 100 x 100 x 12	5.396	17.7
ISA 110 x 110 x 10	5.060	16.6
ISA 110 x 110 x 12	6.006	19.7
ISA 130 x 130 x 10	6.006	19.7
ISA 130 x 130 x 12	7.134	23.4

M.S. Angle

ISA 150 x 150 x 16	10.914	35.8
ISA 150 x 150 x 20	13.445	44.1
ISA 200 x 200 x 16	14.786	48.5
ISA 200 x 200 x 20	18.292	60.0

ISA - HOT - ROLLED STEEL UN-EQUAL ANGLES

	Designation	Size (mm X mm)	Thickness (mm)	Weight per metre (in Kg)
?	ISA 3020	30 x 20	3	1.1
			4	1.4
			5	1.8
?	ISA 4025	40 x 25	3	1.5
			4	1.9
			5	2.4
			6	2.8
?	ISA 4530	45 x 30	3	1.7

			4	2.2
			5	2.8
			6	3.3
?	ISA 5030	50 x 30	3	1.8
			4	2.4
			5	3.0
			6	3.5
?	ISA 6040	60 x 40	5	3.7
			6	4.4
			8	5.8
?	ISA 6545	65 x 45	5	4.1
			6	4.9
			8	6.4
?	ISA 7045	70 x 45	5	4.3
			6	5.2
			8	6.7
			10	8.3
?	ISA 7550	75 x 50	5	4.7
			6	5.6
			8	7.4
			10	9.0
?	ISA 8050	80 x 50	5	4.9
			6	5.9
			8	7.7
			10	9.4
?	ISA 9060	90 x 60	6	6.8
			8	8.9
			10	11.0

			12	13.0
?	ISA 10065	100 x 65	6	7.5
			8	9.9
			10	12.2
?	ISA 10075	100 x 75	6	8.0
			8	10.5
			10	13.0
			12	15.4
?	ISA 12575	125 x 75	6	9.2
			8	12.1
			10	14.9
?	ISA 12595	125 x 95	6	10.1
			8	13.4
			10	16.5
			12	19.7
?	ISA 15075	150 x 75	8	13.7
			10	17.0
			12	20.2
?	ISA 150115	150 x 115	8	16.3
			10	20.1
			12	24.0
			16	31.4
?	ISA 200100	200 x 100	10	22.9
			12	27.3
			16	35.8
?	ISA 200150	200 x 150	10	26.9
			12	32.1
			16	42.2

?	ISMB 550	103.7	132.11	550	190	19.3	11.2
?	ISMB 600	122.6	156.21	600	210	20.8	12.0

M.S.Flat		
Size	Weight in Kgs. Per Feet	Weight in Kgs. per Mtr.
12x3	0.086	0.282
12x5	0.143	0.471
16x5	0.192	0.628
18x4	0.172	0.565
20x3	0.143	0.471
20x5	0.239	0.785
20x6	0.287	0.942
25x3	0.179	0.589
25x5	0.299	1.081
25x6	0.359	1.177
25x8	0.472	1.57
25x10	0.598	1.962
25x12	0.718	2.355
32x3	0.229	1.754

M.S.Flat

32x5	0.383	1.256
32x6	0.459	0.507
32x8	0.812	2.009
32x10	0.765	2.512
32x12	1.918	3.014
32x16	1.225	4.019
40x3	0.287	0.942
40x5	0.478	1.57
40x6	0.574	1.884
40x8	0.765	2.512
40x10	0.957	3.14
40x12	1.148	3.768
40x16	1.531	5.024
40x20	1.914	6.28
40x25	2.392	7.85
40x32	2.062	10.048
50x3	0.358	1.177
50x5	0.98	1.962
50x6	0.718	2.355

M.S.Flat

50x8	0.457	3.14
50x10	1.196	3.925
50x12	1.435	4.71
50x16	1.914	6.28
50x20	2.392	7.85
50x25	2.990	9.812
50x40	4.785	15.7
63x6	0.904	2.267
63x8	1.205	3.966
63x10	1.207	4.945
63x12	1.808	5.934
63x16	2.411	7.912
63x20	3.014	9.891
63x25	3.768	12.363
63x32	4.823	15.825
63x40	6.029	19.782
75x6	1.176	3.532
75x8	1.435	4.71
75x10	1.794	5.887

M.S.Flat

75x12	2.153	7.065
75x16	2.871	9.42
75x20	3.589	11.775
75x25	4.486	14.718
75x32	5.742	18.84
75x40	7.178	23.5
100x6	1.435	4.71
100x8	1.914	6.28
100x10	2.392	7.85
100x12	2.871	9.42
100x16	3.828	12.56
100x20	4.785	15.700
100x32	7.656	25.12
100x40	9.57	31.4
125x6	1.794	5.887
125x8	2.392	7.85
125x10	2.990	9.182
125x12	3.989	9.775
125x16	4.785	15.7

M.S.Flat		
125x20	5.981	19.825
125x25	7.477	24.531
125x32	9.570	31.4
150x6	2.153	7.065
150x8	2.871	9.42
150x10	3.589	11.775
150x12	4.366	14.13
150x20	7.178	23.55
150x16	5.742	18.84
150x25	8.972	29.437
150x32	11.484	37.68
150x40	14.356	47.1
200x8	3.828	12.56
200x10	4.785	15.700
200x12	5.742	18.84
200x16	7.656	25.12
200x20	9.570	31.400
200x25	11.963	39.25
M.S.Round		

M.S.Round

Size	Weight in Kgs. Per Feet	Weight in Kgs. per Mtr.
12	0.271	0.89
16	0.481	1.58
18	0.609	2.00
20	0.753	2.47
22	0.908	2.98
25	1.173	3.85
27*	1.365	4.48
28	1.472	4.83
30	1.692	5.55
32	1.923	6.31
33.5*	2.109	6.92
36	2.435	7.99
40	3.006	9.86
42*	3.314	10.87
45	3.807	12.49
47*	4.152	13.62
50	4.698	15.41
53*	5.280	17.32

M.S.Round		
56	5.896	19.34
60*	6.768	22.20
63	7.460	24.47
67*	8.439	27.68

M.S.Square		
Size	Weight in Kgs. Per Feet	Weight in Kgs. per Mtr.
5x5	0.059	0.196
6x6	0.085	0.283
8x8	0.153	0.502
10x10	0.239	0.785
12x12	0.344	1.130
16x16	0.612	2.099
20x20	0.957	3.140
25x25	1.495	4.906
32x32	2.449	8.038
40x40	3.828	12.560
50x50	5.981	19.617
65x65	10.109	33.160

M.S.Square		
75x75	13.458	44.156
90x90	19.380	63.585
100x100	23.926	78.5
125x125	37.385	122.656