Flat Iron - Weight in kg. per metre

0.7843 kg/cm^2 per metre or 1 cft of Steel 490 lbs.

Thickness & Width in mm.	5	5.5	6	7	8	10	11	12	14	16
12	0.5	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.5
16	0.6	0.7	0.8	0.9	1.0	1.3	1.4	1.5	1.8	2.0
20	0.8	0.9	0.0	1.1	1.3	1.6	1.7	1.9	2.2	2.5
25	1.0	1.1	1.2	1.4	1.6	2.0	2.2	2.4	2.7	3.1
32	1.3	1.4	1.5	1.8	2.0	2.5	2.8	3.0	3.5	4.0
40	1.6	1.7	1.9	2.2	2.5	3.1	3.5	3.8	4.4	5.0
50	2.0	2.2	2.4	2.7	3.1	3.9	4.3	4.7	5.5	6.3

STRUCTURAL

Square and Round Bars

Diameter of Width Across	Weight per Metre W		Sectional A		Perimeter		Length in per Ton	
	❑	○	❑	○	❑	○	❑	○
mm	Kg	Kg	cm^2	cm^2	cm^2	cm^2		
5.0	0.20	0.15	0.25	0.20	2.0	1.57	5000	6667
5.5	0.24	0.19	0.30	0.24	2.2	1.73	4167	5263
6.0	0.28	0.22	0.36	0.28	2.4	1.88	3571	4545
7.0	0.38	0.30	0.49	0.38	2.8	2.20	2632	3333
8.0	0.50	0.39	0.64	0.50	3.2	2.51	2000	2564
9.0	0.64	0.50	0.81	0.64	3.6	2.83	1563	2000
10.0	0.78	0.62	1.00	0.79	4.0	3.14	1282	1613
11	0.95	0.75	1.21	0.95	4.4	3.46	1053	1333
12	1.13	0.89	1.44	1.13	4.8	3.77	885	1124
14	1.54	12.1	1.96	1.54	5.6	4.40	449	826
16	2.01	1.58	2.59	2.01	6.4	5.03	498	633
18	2.54	2.00	3.24	2.54	7.2	5.65	394	500
20	3.14	2.47	4.00	3.14	8.0	6.28	3.19	405
22	3.80	2.98	4.84	3.80	8.8	6.91	263	336
25	4.91	3.85	6.25	4.91	10.0	7.85	204	260
28	6.15	4.83	7.84	6.16	11.2	8.80	163	207
32	8.04	6.31	10.24	8.04	12.8	10.05	124	159
36	10.17	7.99	12.96	10.18	14.4	11.31	98	125
40	12.56	9.86	16.00	12.57	16.0	12.57	80	101
45	15.90	12.49	20.25	15.90	18.0	14.14	63	80
50	19.62	15.41	25.00	19.64	20.0	15.71	51	65
56	24.62	19.34	31.36	24.63	22.4	17.69	41	52
63	31.16	24.47	39.69	31.17	25.2	19.79	32	41
71	39.57	31.08	50.41	39.59	28.4	22.30	25	32
80	50.24	39.46	64.00	50.26	32.0	25.13	20	25
90	63.58	49.94	81.00	63.62	36.0	28.27	16	20
100	78.50	61.66	100.00	78.54	40.0	31.42	13	16
110	94.98	74.60	121.00	95.03	44.0	34.56	11	13
125	122.66	96.34	156.25	122.72	50.0	39.27	8	10
140	153.86	120.84	196.00	152.94	56.0	43.98	6	8
160	200.96	157.84	256.00	201.06	64.0	50.27	5	6
180	254.34	199.76	324.00	254.47	72.0	56.55	4	5
200	314.00	246.62	400.00	314.16	80.0	62.83	3	4

Note : 1. Refer to Round Bar column for ribbed-torsteel calculations

ROLLED STEEL EQUAL ANGLES

Dimensions and Properties

Designation	Size A x B mm x mm	Thick-ness t mm	Sectional area metre a cm^2	Weight per m w kg.	Moduli of Section Zxx=zyy cm^3
ISA 2020	20 x 20	3.0	1.12	0.9	0.3
		4.0	1.45	1.1	0.4
ISA 2525	25 x 25	3.0	1.41	1.1	0.4
		4.0	1.84	1.4	0.6
		5.0	1.15	1.8	0.7
ISA 3030	30 x 30	3.0	2.03	1.6	0.9
		4.0	2.66	2.1	1.2
		5.0	3.27	2.6	1.4
ISA 3535	35 x 35	3.0	2.03	1.6	0.9
		4.0	2.66	2.1	1.2
		5.0	3.27	2.6	1.4
		6.0	3.86	3.0	1.7
ISA 4040	40 x 40	3.0	2.34	1.8	1.2
		4.0	3.07	2.4	1.6
		5.0	3.78	3.0	1.9
		6.0	4.47	3.5	2.3
ISA 4545	45 x 45	3.0	2.64	2.1	1.5
		4.0	3.47	2.7	2.0
		5.0	4.28	3.4	2.5
		6.0	5.07	4.0	2.9
ISA 5050	50 x 50	3.0	2.95	2.3	1.9
		4.0	3.88	3.0	2.5
		5.0	4.79	3.8	3.1
		6.0	5.68	4.5	3.6
ISA 5555	55 x 55	5.0	5.27	4.1	3.7
		6.0	6.26	4.9	4.4
		8.0	8.18	6.4	5.7
		10.0	10.02	7.9	7.0
ISA 6060	60 x 60	5.0	5.75	4.5	4.4
		6.0	6.84	5.4	5.2
		8.0	8.96	7.0	6.8
		10.0	11.00	8.6	8.4
ISA 6565	65 x 65	5.0	6.25	4.9	5.2
		6.0	7.44	5.8	8.2
		8.0	9.76	7.7	8.1
		10.0	12.00	9.4	9.9

ROLLED STEEL EQUAL ANGLES

Dimensions and Properties

Designation	Size A x B mm x mm	Thick-ness t mm	Sectional area metre a cm^2	Weight per w kg.	Moduli of Section Zxx=zyy cm^3
ISA 7070	70 x70	5.0	6.77	5.3	6.1
		8.0	8.06	6.3	7.3
		8.0	10.58	8.3	8.5
		10.0	13.02	10.2	11.7
ISA 7575	75 x 75	5.0	7.27	5.7	7.1
		6.0	8.66	6.8	8.4
		8.0	11.38	8.9	11.0
		10.0	14.02	11.0	13.5
ISA 8080	80 x 80	6.0	9.29	7.3	9.6
		8.0	12.21	9.6	12.6
		10.0	15.05	11.8	1.55
		12.0	17.81	14.0	18.3
ISA 9090	90 x 90	6.0	10.47	8.2	12.2
		8.0	13.79	10.8	16.0
		10.0	17.03	13.4	19.8
		12.0	20.19	15.8	23.3
ISA 100100	100 x 100	6.0	11.67	9.2	15.2
		8.0	15.39	12.1	20.0
		10.0	19.03	14.9	24.7
		12.0	22.59	17.7	29.2
ISA 110110	110 x 110	8.0	17.02	13.4	24.4
		10.0	21.06	16.5	30.1
		12.0	35.02	19.6	35.7
		15.0	30.81	24.2	43.7
ISA 130130	130 x 130	8.0	20.22	15.9	34.5
		10.0	25.06	19.7	34.5
		12.0	29.82	23.4	50.7
		15.0	36.81	28.9	62.3
ISA 150150	150 x 150	10.0	29.03	22.8	56.9
		12.0	34.59	27.2	67.7
		15.0	52.78	33.6	83.5
		18.0	50.79	39.9	98.7
ISA 200200	200 x 200	12.0	46.61	36.6	122.2
		15.0	57.80	45.4	151.4
		18.0	68.81	54.0	179.9
		25.0	93.80	73.6	243.3

ROLLED STEEL UNEQUAL ANGLES

Dimensions and Properties

Designation	Size A x B	Thick-ness t	Sectional area a	Weight per metre w	Moduli of Section Zxx = Zyy
	mm x mm	mm	cm^2	kg.	cm^3
ISA 3020	30 x 20	3.0	1.41	1.1	0.60.2
		4.0	1.84	1.4	0.80.3
		5.0	2.25	1.8	1.00.4
ISA 4025	40 x 25	3.0	1.88	1.5	1.10.5
		4.0	2.46	1.9	1.40.6
		5.0	3.02	2.4	1.80.7
		6.0	3.56	2.8	2.10.9
ISA 4530	45 x 30	3.0	2.18	1.7	1.40.7
		4.0	2.68	2.2	1.90.9
		5.0	3.52	2.8	2.31.1
		6.0	4.16	3.3	2.71.3
ISA 5030	50 x 30	3.0	2.34	1.8	1.70.7
		4.0	3.07	2.4	2.30.9
		5.0	3.78	3.0	2.81.1
		6.0	4.47	3.5	3.41.3
ISA 6040	60 x 40	5.0	4.76	3.7	4.22.0
		6.0	5.65	4.4	5.02.3
		8.0	7.37	5.8	6.53.0
ISA 6545	65 x 45	5.0	5.26	4.1	5.02.5
		6.0	6.25	4.9	5.93.0
		8.0	8.17	6.4	7.73.9
ISA 7045	70 x 45	5.0	5.52	4.3	5.72.5
		6.0	6.56	5.2	6.83.0
		8.0	8.58	6.7	8.93.9
		10.0	10.52	8.3	10.94.8
ISA 7550	75 x 50	5.0	6.02	4.7	6.73.2
		6.0	7.16	5.6	8.03.8
		8.0	9.38	7.4	10.44.9
		10.0	10.52	9.0	12.76.0
ISA 8050	80 x 50	5.0	6.27	4.9	7.53.2
		6.0	7.49	5.9	9.03.8
		8.0	9.78	7.7	11.74.9
		10.0	12.02	9.4	14.46.0

ROLLED STEEL UNEQUAL ANGLES

Dimensions and Properties

Designation	Size A X B mm X mm	Thick-ness t mm	Sectional area a cm^2	Weight per metre w kg.	Moduli of Section Zxx	Zyy cm^3
ISA 9060	90 x 60	6.0	8.65	6.8	11.5	5.5
		8.0	11.37	8.9	15.1	7.2
		10.0	14.01	11.0	18.6	8.8
		12.0	16.57	13.0	22.0	10.3
ISA 10065	100 x 65	6.0	9.55	7.5	14.2	6.4
		8.0	12.57	9.9	18.7	8.5
		10.0	15.51	12.2	23.1	10.4
ISA 10075	100 x 75	6.0	10.14	8.0	14.4	8.5
		8.0	13.36	10.5	19.1	11.2
		10.0	16.50	13.0	23.6	13.8
		12.0	19.56	15.4	27.9	16.3
ISA 12575	125 x 75	6.0	11.66	9.2	22.2	8.7
		8.0	15.38	12.1	29.4	11.5
		10.0	19.02	14.9	36.3	14.2
ISA 12595	125 x 95	6.0	12.86	10.1	23.1	14.0
		8.0	16.98	13.3	30.6	18.5
		10.0	21.02	16.5	37.8	22.9
		12.0	24.98	19.6	44.8	27.1
ISA 15075	150 x 75	8.0	17.42	13.7	41.7	11.8
		10.0	21.56	16.9	51.6	14.5
		12.0	25.62	20.1	61.2	17.1
ISA 150115	150 x 115	8.0	20.58	16.2	44.2	27.2
		10.0	25.52	20.0	54.9	33.8
		12.0	30.38	23.8	65.3	40.2
		15.0	37.52	29.5	80.4	49.4
ISA 200100	200 x 100	10.3	29.03	22.8	92.8	26.2
		12.0	34.59	27.2	110.6	31.1
		15.0	42.78	33.6	136.5	38.3
ISA 300150	200 x 150	10.0	34.00	16.7	98.3	58.3
		12.0	40.56	31.8	117.4	69.7
		15.0	50.25	39.4	145.4	86.0
		18.0	59.76	46.9	172.5	108.9

Dimensions and properties of rolled steel channels

Radius of gyration $\sqrt{I_a}$ cm.

When second moments of area are known, corresponding moduli of sections can be calculated by the relations

$$Zxx = \frac{Ixx}{b/2} \text{ and } Zyy = \frac{Iyy}{b - Cyy}$$

Designation	Size hxb mm	Sectional area a sq.cm	Weight per metre w kg	Flange thickness tf mm	Web thickness tw mm	Centre of gravity Cyy cm	Second moments of area	
							Ixx cm^4	Iyy cm^4
ISJC 100	100 x 45	7.41	5.8	5.1	3.0	1.40	123.8	14.9
ISJC 125	125 x 50	10.07	7.9	6.6	3.0	1.64	270.0	25.7
ISJC 150	150 x 55	12.65	9.9	6.9	3.6	1.66	471.1	37.9
ISJC 175	175 x 60	14.24	11.2	6.9	3.6	1.75	719.9	50.5
ISJC 200	200 x 70	17.77	13.9	7.1	4.1	1.97	1161.2	84.2
ISLC 75	75 x 40	7.26	5.7	6.0	3.7	1.35	66.1	11.5
ISLC 100	100 x 50	10.02	7.9	6.4	4.0	1.62	164.7	24.8
ISLC 125	125 x 65	13.67	10.7	6.6	4.4	2.04	356.8	57.2
ISLC 150	150 x 75	18.36	14.4	7.8	4.8	2.38	697.2	103.2
ISLC 175	175 x 75	22.40	17.6	9.5	5.1	2.40	1148.4	126.5
ISLC 200	200 x 75	26.22	20.6	10.8	5.5	2.35	1725.5	146.9
ISLC 225	225 x 90	30.53	24.0	10.2	5.8	2.46	2547.9	209.5
ISLC 250	250 x 100	35.65	28.0	10.7	6.1	2.70	3687.9	298.4
ISLC 300	300 x 100	42.11	33.1	11.6	6.7	2.55	6047.9	346.0
ISLC 350	350 x 100	49.47	38.8	12.5	7.4	2.41	9312.6	394.6
ISLC 400	400 x 100	58.25	45.7	14.0	8.0	2.36	13989.5	460.4
ISMC 75	75 x 40	8.67	6.8	7.3	4.4	1.31	76.0	12.6
ISMC100	100 x 50	11.70	9.2	7.5	4.7	1.53	186.7	25.9
ISMC125	125 x 65	16.19	12.7	8.1	5.0	1.94	416.4	59.9
ISMC150	150 x 75	20.88	16.4	9.0	5.4	2.22	779.4	102.3
ISMC175	175 x 75	24.38	19.1	10.2	5.7	2.20	1223.3	121.0
ISMC200	200 x 75	28.21	22.1	11.4	6.1	2.17	1819.3	140.4
ISMC225	225 x 80	33.01	25.9	12.4	6.4	2.30	2604.6	187.2
ISMC250	250 x 80	38.67	30.4	14.1	7.1	2.30	3816.8	219.1
ISMC300	300 x 90	45.64	35.8	13.6	7.6	2.36	6362.6	310.8
ISMC 350	350 x 100	53.66	42.1	13.5	8.1	2.44	10008.0	430.6
ISMC 400	400 x 100	62.93	49.4	15.3	8.6	2.42	15082.8	504.8

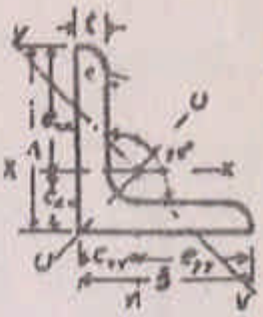
ISJC (Indian Standard Junior Channels)
ISLC (Indian Standard Light Channels)
ISMC (Indian Standard Medium Channels)

Dimensions and properties of equal angles

Radius of gyration $= \sqrt{I/a}$ cm

Distances of extreme fibres exx and eyy can be obtained when the positions of centres of gravity Cxx and Cyy are known. When these distances are known corresponding moduli of sections can be calculated by the relations

$$Zxx = \frac{Ixx}{exx} \text{ and } Zyy \frac{Iyy}{eyy}$$



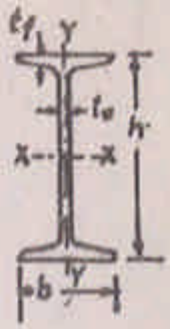
Designation	Size AxBxt mm	Sectional area a sq cm	Weight per metre w kg	centre of gravty Cxx=Cyy cm	Second moments of area Ixx=Iyy cm⁴	Iuu cm⁴	Ivv cm⁴	Moduli of section Zxx=Zyy cm³
ISA 2020	20 x20 x3	1.12	0.9	0.59	0.4	0.6	0.2	0.3
ISA 2020	20 x20 x4	1.45	1.1	0.63	0.5	0.8	0.2	0.4
ISA 2525	25 x25 x3	1.41	1.1	0.71	0.8	1.2	0.3	0.4
ISA 2525	25 x25 x4	1.84	1.4	0.75	1.0	1.6	0.4	0.6
ISA 2525	25 x25 x5	2.25	1.8	0.79	1.2	1.8	0.5	0.7
ISA 3030	30 x30 x3	1.73	1.4	0.83	1.4	2.2	0.6	0.6
ISA 3030	30 x30 x4	2.26	1.8	0.87	1.8	2.8	0.7	0.8
ISA 3030	30 x30 x5	2.77	2.2	0.92	2.1	3.4	0.9	1.0
ISA 3535	35 x35 x3	2.03	1.6	0.95	2.3	3.6	0.9	0.9
ISA 3535	35 x35 x4	2.66	2.1	1.00	2.9	4.7	1.2	1.2
ISA 3535	35 x35 x5	3.27	2.6	1.04	3.5	5.6	1.5	1.4
ISA 3535	35 x35 x6	3.86	3.0	1.08	4.1	6.5	1.7	1.7
ISA 4040	40 x40 x3	2.34	1.8	1.08	3.4	5.5	1.4	1.2
ISA 4040	40 x40 x4	3.07	2.4	1.12	4.5	7.1	1.8	1.6
ISA 4040	40 x40 x5	3.78	3.0	1.16	5.4	8.6	2.2	1.9
ISA 4040	40 x40 x6	4.47	3.5	1.20	6.3	10.0	2.6	2.3
ISA 4545	45 x45 x3	2.64	2.1	1.20	5.0	8.0	2.0	1.5
ISA 4545	45 x45 x4	3.47	2.7	1.25	6.5	10.4	2.6	2.0
ISA 4545	45 x45 x5	4.28	3.4	1.29	7.9	12.6	3.2	2.5
ISA 4545	45 x45 x6	5.07	4.0	1.33	9.2	14.6	3.8	2.9
ISA 5050	50 x50 x3	2.95	2.3	1.32	6.9	11.1	2.8	1.9
ISA 5050	50 x50 x4	3.88	3.0	1.37	9.1	14.5	3.6	2.5
ISA 5050	50 x50 x5	4.79	3.8	1.41	11.0	17.6	4.5	3.1
ISA 5050	50 x50 x6	5.68	4.5	1.45	12.9	20.6	5.3	3.6
ISA 5555	55 x55 x5	5.27	4.1	1.53	14.7	23.5	5.9	3.7
ISA 5555	55 x55 x6	6.26	4.9	1.57	17.3	27.5	7.0	4.4
ISA 5555	55 x55 x8	8.18	6.4	1.65	22.0	34.9	9.1	5.7
ISA 5555	55 x55 x10	10.02	7.9	1.72	26.3	41.5	11.2	7.0
ISA 6060	60 x60 x5	5.75	4.5	1.65	19.2	30.6	7.7	4.4
ISA 6060	60 x60 x6	6.84	5.4	1.69	22.6	36.0	9.1	5.2

Dimensions and properties of rolled steel beams

When second moments of area are known corresponding moduli of sections can be calculated by the following relations

Radius of gyration = $\sqrt{I/a}$ c.m.

$$Zxx = \frac{Ixx}{h/2} \text{ and } Zyy = \frac{Iyy}{b/2}$$



ISJB (Indian Standard Junior Beams)
ISLB (Indian Standard Light Weight Beams)
ISMB (Indian Standard Medium Weight Beams)
ISWB (Indian Standard Wide Flange Beams)
ISHB (Indian Standard Column Sections – H Beams)

Designation	Size h x b mm	Sectional area a sq.cm	Weight per metre w kg	Flange thickness tf mm	Web thickness tw mm	Second moments of area Ixx cm^4	Second moments of area Iyy cm^4
ISJB 150	150 x 50	9.01	7.1	4.6	3.0	322.1	9.2
ISJB 175	175 x 50	10.28	8.1	4.8	3.2	479.3	9.7
ISJB 200	200 x 60	12.64	9.9	5.0	3.4	780.7	17.3
ISJB 225	225 x 80	16.28	12.8	5.0	3.7	1308.5	40.5
ISLB 75	75 x 50	7.71	6.1	5.0	3.7	72.7	10.0
ISLB 100	100 x 50	10.21	8.0	6.4	4.0	168.0	12.7
ISLB 125	125 x 75	15.12	11.9	6.5	4.4	406.8	43.4
ISLB 150	150 x 80	18.08	14.2	6.8	4.8	688.2	55.2
ISLB 175	175 x 90	21.30	16.7	6.9	5.1	1096.2	79.6
ISLB 200	200 x100	25.27	19.8	7.3	5.4	1696.6	115.4
ISLB 225	225x 100	29.92	23.5	8.6	5.8	2501.9	112.7
ISLB 250	250 x125	35.53	27.9	8.2	6.1	3717.8	193.4
ISLB 275	275 x140	42.02	33.0	8.8	6.4	5375.3	287.0
ISLB 300	300 x150	48.08	37.7	9.4	6.7	7332.9	376.2
ISLB 325	325 x165	54.90	43.1	9.8	7.0	9874.6	510.8
ISLB 350	350 x165	63.01	49.5	11.4	7.4	13158.3	631.9
ISLB 400	400 x165	72.43	56.9	12.5	8.0	19306.3	716.4
ISLB 450	450 x170	83.14	65.3	13.4	8.6	27536.1	853.0
ISLB 500	500 x180	95.50	75.0	14.1	9.2	38579.0	1063.9
ISLB 550	550 x190	109.97	86.3	15.0	9.9	53161.6	1335.1
ISLB 600	600 x210	126.69	99.5	15.5	10.5	72867.6	1821.9
ISMB 100	100 x 75	14.60	11.5	7.2	4.0	257.5	40.8
ISMB 125	125 x 75	16.60	13.0	7.6	4.4	449.0	43.7
ISMB 150	150 x 80	19.00	14.9	7.6	4.8	726.4	52.6
ISMB 175	175 x 90	24.62	19.3	8.6	5.5	1272.0	85.0
ISMB 200	200 x100	32.33	25.4	10.8	5.7	2235.4	150.0
ISMB 225	225 x110	39.72	31.2	11.8	6.5	3441.8	218.3
ISMB 250	250 x125	47.55	37.3	12.5	6.9	5131.6	334.5
ISMB 300	300 x140	56.26	44.2	12.4	7.5	8603.6	453.9
ISMB 350	350 x140	66.71	52.4	14.2	8.1	13630.3	537.7

Designation	Size h x b mm	Sectional area a sq.cm	Weight per metre w kg	Flange thick-ness tf mm	Web thick-ness tw mm	Second moments of area	
						lxx cm^4	lyy cm^4
ISMB 400	400 x140	78.46	61.6	16.0	8.9	20458.4	622.1
ISMB 450	450 x150	92.27	72.4	17.4	9.4	30390.8	834.0
ISMB 500	500 x180	110.74	86.9	17.2	10.2	45218.3	1369.8
ISMB 550	550 x190	132.11	103.7	19.3	11.2	64893.6	1833.8
ISMB 600	600 x210	156.21	122.6	20.8	12.0	91813.0	2651.0
ISWB 150	150 x100	21.67	17.0	7.0	5.4	839.1	94.8
ISWB 175	175 x125	28.11	22.1	7.4	5.8	1509.4	188.6
ISWB 200	200 x140	36.71	28.8	9.0	6.1	2624.5	328.8
ISWB 225	225 x150	43.24	33.9	9.9	6.4	3920.5	448.6
ISWB 250	250 x200	52.05	40.9	9.0	6.7	5943.1	857.5
ISWB 300	300 x200	61.33	48.1	10.0	7.4	9821.6	990.1
ISWB 350	350 x200	72.50	56.9	11.4	8.0	15521.7	1175.9
ISWB 400	400 x200	85.01	66.7	13.0	8.6	23426.7	1388.0
ISWB 450	450 x200	101.15	79.4	15.4	9.2	35057.6	1706.7
ISWB 500	500 x250	121.22	95.2	14.7	9.9	52290.9	2987.8
ISWB 550	550 x250	143.34	112.5	17.6	10.5	74906.1	3740.6
ISWB 600	600 x250	170.38	133.7	21.3	11.2	106198.5	4702.5
ISWB 600	600 x250	184.86	145.1	23.6	11.8	115626.6	5298.3
ISHB 150	150 x150	34.48	27.1	9.0	5.4	1455.6	431.7
ISHB 150	150 x150	38.98	30.6	9.0	8.4	1540.0	460.3
ISHB 150	150 x150	44.08	34.6	9.0	11.8	1635.6	494.9
ISHB 200	200 x200	47.54	37.3	9.0	6.1	3608.4	967.1
ISHB 200	200 x200	50.94	40.0	9.0	7.8	3721.8	994.6
ISHB 225	225 x225	54.94	43.1	9.1	6.5	5279.5	1353.8
ISHB 225	225 x225	59.66	46.8	9.1	8.6	5478.8	1396.6
ISHB 250	250 x250	64.96	51.0	9.7	6.9	7736.5	1961.3
ISHB 250	250 x250	69.71	54.7	9.7	8.8	7983.9	2011.7
ISHB 300	300 x250	74.85	58.8	10.6	7.6	12545.2	2193.6
ISHB 300	300 x250	80.25	63.0	10.6	9.4	12950.2	2246.7
ISHB 350	350 x250	85.91	67.4	11.6	8.3	19159.7	2451.4
ISHB 350	350 x250	92.21	72.4	11.6	10.1	19802.8	2510.5
ISHB 400	400 x250	98.66	77.4	12.7	9.1	28083.5	2728.3
ISHB 400	400 x250	104.66	82.2	12.7	10.6	28823.5	2783.0
ISHB 450	450 x250	111.14	87.2	13.7	9.8	39210.8	2985.2
ISHB 450	450 x250	117.89	92.5	13.7	11.3	40349.9	3045.0