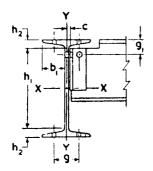
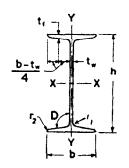


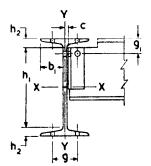
Designation	Weight per	Sectional Area	Depth of	Width of	of	Thickness of	Moments	of Inertia	Radii of	Gyration
	Metre w	a	Section h	Flange b	Flange	Web		,	-	_
	•	•	**	, ,	t <sub>f</sub>	t <sub>w</sub>	I <sub>xx</sub>	$l_{yy}$	r <sub>xx</sub>	$r_{yy}$
	kg	cm²	mm	mm	mm	mm	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm
1SJB 150	7.1	9.01	150	50	4.6	3.0	322-1	9.2	5.98	1.01
ISJB 175	8-1	10.28	175	50	4.8	3.2	479-3	9.7	6.83	0.97
1SJB 200	9.9	12.64	200	60	5∙0	3-4	780-7	17-3	7.86	1.17
ISJB 225	12.8	16.28	225	80	5∙0	3.7	1 308-5	40.5	8-97	1.58
ISLB 75	6·1	7.71	75	50	5.0	3.7	72.7	10.0	3.07	1-14
ISLB 100	8.0	10.21	100	50	6-4	4.0	168-0	12.7	4.06	1.12
ISLB425	11.9	15-12	125	75	6.5	4.4	406-8	43-4	5-19	1-69
ISLB 150	14-2	18-08	150	80	6.8	4.8	688·2	55∙2	6-17	1.75
ISLB 175	16.7	21.30	175	90	6.9	5-1	1 096-2	79-6	7-17	1.93
ISLB 200	19-8	25-27	200	100	7-3	<b>5·4</b> ·	1 696-6	115-4	8-19	2-13
ISLB 225	23.5	29.92	225	100	8.6	5-8	2 501 -9	112.7	9-15	1-94
ISLB 250	27.9	35-53	250	125	8-2	6-1	3 717.8	193-4	10-23	2-33
ISLB 275	33.0	42.02	275	140	8.8	6.4	5 375·3	287.0	11:31	2.61
1SLB 300	37-7	48.08	300	150	9.4	6.7	7 332·9	376-2	12-35	2.80
ISLB 325	43-1	54.90	325	165	9.8	7.0	9 874-6	510-8	13-41	3.05
ISLB 350	<del>4</del> 9·5	63-01	350	165	11-4	7-4	13 158-3	631-9	14-45	3-17
ISLB 400	56-9	72:43	400	165	12.5	8.0	19 306-3	716-4	16-33	3-15
15LB 450	65-3	83-14	450	170	13-4	8.6	27 536-1	853.0	18-20	3.20
ISLB 500	<b>75</b> ·0	95.50	500	180	14-1	9.2	38 579-0	1 063-9	20-10	3-34
ISLB 550	86.3	109-97	550	190	15-0	9.9	53 161-6	1 335-1	21-99	3-48
15LB 600	99-5	126-69	600	210	15-5	10-5	72 <b>86</b> 7·6	1 821-9	23.98	3.79
1SMB 100	11.5	14-60	100	75	7-2	4.0	257-5	40.8	4-20	1-67
ISMB 125	13.0	16-60	125	75	7.6	4-4	449.0	43.7	5.20	1.62
ISMB 150	14-9	19-00	150	80	7.6	4-8	726-4	52.6	6-18	1.66
ISMB 175	19-3	24-62	175	90	8-6	5-5	i 272·0	85.0	7-19	1.86
ISMB 200	25.4	32.33	200	100	10-8	5.7	2 235-4	150-0	8.32	2.15
ISMB 225	31-2	39-72	225	110	11-8	6.5	3 441 -8	218-3	9-31	2-34
ISMB 250	37.3	47-55	250	125	12.5	6.9	5 131-6	334-5	10-39	2.65
ISMB 300	44-2	56.26	300	140	12-4	7.5	8 603-6	453-9	12-37	2.84
ISMB 350	52-4	66.71	350	140	14-2	8-1	13 630-3	537-7	14-29	2.84
ISMB 400	61-6	78·46	400	140	16.0	8.9	20 458-4	622-1	16-15	2-82
ISMB 450	72· <del>4</del>	92.27	450	150	17:4	9-4	30:390-8	834-0	18-15	3.01
ISMB 500	86.9	110-74	500	180	17-2	10-2	45 218-3	1 369-8	20-21	3.52



Moduli o	Section	Radius at	Radius at	Slope of			Connecti	on Det	ails		Maximum Size of	Desig- nation
$Z_{xx}$	$Z_{yy}$	Root r <sub>1</sub>	Toe r <sub>2</sub>	Flange D	h <sub>1</sub>	h <sub>2</sub>	<b>b</b> 1	c	g	g <sub>t</sub> (Min)	Flange Rivet	
cm <sup>3</sup>	cm <sup>3</sup>	mm	mm	degrees	mm	mm	mm	mm	nım	mm	mm	
42.9	3.7	5.0	1.5	91.5	130-4	9.80	23.50	3.00	30	45	6	ISJB 150
54.8	3.9	5∙0	1.5	91-5	155.0	10.00	23-40	3.10	30	45	6	ISJB 175
78·1	5.8	5.0	1.5	91.5	179.5	10.25	28.38	3.20	30	45	6	ISJB 200
116-3	10-1	6.5	1-5	91.5	201-1	11-95	38-15	3-35	40	45	12	ISJB 225
19-4	4.0	6.5	2.0	91.5	51:7	11-65	23-15	3.35	30	_	6	ISLB 75
33.6	5∙1	7.0	3.0	91.5	73.0	13.20	23.00	3.50	30	50	6	ISLB 100
65·1	11-6	8.0	3.0	91.5	95· <del>4</del>	14.80	35.30	3.70	35	50	12	ISLB 125
91.8	13-8	9.5	3.0	91.5	116-9	16-55	37.60	3.90	40	50	12	ISLB 150
125.3	17.7	9.5	3.0	91.5	141-6	16.70	42-45	4-05	50	50	12	ISLB 175
169-7	23-1	9.5	3.0	91-5	165.7	17-15	47-30	4-20	55	50	16	ISLB 200
222-4	22.5	12-0	6.0	98	180-3	22.35	47-10	4-45	55	55	16	ISLB 225
297-4	30.9	13.0	6.5	98	202-6	23.70	59-45	4.55	65	60	22	ISLB 250
392-4	41-0	14-0	7∙0	98	223.7	25.65	66.80	4.70	80	60	22	ISLB 275
488-9	50-2	15.0	7.5	98	245-1	27-45	71-65	4.85	90	60	22	ISLB 300
607.7	61.9	16.0	8.0	98	266.5	29.25	79.00	5.00	100	65	25	ISLB 325
751·9	76-6	16-0	8.0	98	288-3	30· <b>8</b> 5	78.80	5.20	100	65	25	ISLB 350
965-3	86.8	16-0	8.0	98	336-2	31-90	78-50	5.50	100	65	25	ISLB 400
1 223.8	100-4	16.0	8.0	98	384.0	33.00	80.70	5.80	100	70	25	ISLB 450
1 543-2	118-2	17.0	8.5	98	<b>4</b> 30·2	34-90	85· <del>4</del> 0	6.10	100	70	28	ISLB 500
933-2	140-5	18.0	9.0	98	476-1	36.95	90.05	6.45	100	70	32	ISLB 550
2 428-9	173-5	20.0	10-0	98	520-2	39.90	99.75	6.75	140, 100	75	25, 32	ISLB 600
51.5	10.9	9.0	4.5	98	65 0	17-50	35-50	3.50	35	55	12	ISMB 100
71.8	11.7	9.0	4.5	98	89.2	17.90	35-30	3.70	35	55	12	ISMB 125
96.9	13-1	9.0	4.5	98	113.9	18.05	37.60	3.90	40	55	12	ISMB IS
145-4	18-9	10-0	5.0	98	134-5	20-25	42.25	4-25	50	55	12	ISMB 175
223-5	30-0	11.0	5.5	98	152.7	23.65	47-15	4.35	55	60	16	ISMB 200
305-9	39-7	12:0	6.0	98	173-3	25-85	51.75	4.75	60	60	20	ISMB 22
410-5	53.5	13-0	6.5	98	194-1	27-95	59.05	4.95	65	65	22	ISMB 250
573-6	64.8	14.0	7-0	98	241.5	29.25	66-25	5.25	80	65	22	ISMB 300
778-9	76-8	14.0	7∙0	98	288.0	31-00	65.95	5.55	80	65	22	ISMB 350
022-9	88.9	14-0	7.0	98	334-4	32-80	65-55	5.95	80	70	22	ISMB 400
1`350-7	111-2	15.0	7.5	98	379-2	35-40	70-30	6.20	90	70	22	ISMB 450
1 808·7	152-2	17-0	8.5	98	424-1	37.95	84.90	6.60	100	75	28	ISMB 500
												Continued

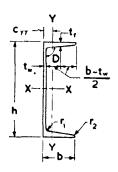


Designation	Weight per	Sectional Area	Depth of	Width of	of	Thickness of	Moments	of Inertia	Radii of (	Gyration
	Metre w	а	Section h	Flange b	Flange t <sub>/</sub>	Web ≀ <sub>w</sub>	l <sub>xx</sub>	l <sub>yy</sub>	r <sub>zx</sub>	<b>r</b> <sub>yy</sub>
			.,		•,	·w			. 11	. 77
	kg	cm <sup>2</sup>	mm	mm	mm	mm	cm <sup>4</sup>	cm <sup>4</sup>	cm	cm
ISMB 550	103-7	132-11	550	190	19-3	11-2	64 893-6	I 833·8	22-16	3.73
ISMB 600	122-6	156-21	600	210	20.8	12.0	91813-0	2 651-0	24-24	4-12
15WB 150	17-0	21-67	150	100	7.0	5.4	839·1	94.8	6.22	2.09
ISWB 175	22-1	28:11	175	125	7.4	5.8	1 509-4	188.6	7.33	2.59
ISWB 200	28.8	36.71	200	140	9.0	6-1	2 624-5	328-8	8.46	2.99
ISWB 225	33-9	43-24	225	150	9.9	6.4	3 920-5	448-6	9-52	3-22
ISWB 250	40.9	52-05	250	200	9.0	6.7	5 943-1	857.5	10-69	4.06
15WB 300	48· I	61-33	300	200	10.0	7.4	9 821-6	990∙1	12.66	4.02
ISWB 350	56.9	72.50	350	200	11.4	8-0	15 521-7	1 175.9	14-63	4.03
ISWB 400	66.7	85:01	400	200	13.0	8·6 °	23 426.7	1 388-0	16.60	4.04
ISWB 450	79-4	101-15	450	200	15-4	9.2	35 057-6	1 706.7	18-63	4-11
ISWB 500	95-2	121-22	500	250	14-7	9.9	52 290-9	2 987-8	20.77	4.96
ISWB 550	112.5	143-34	550	250	17.6	10.5	74 906 1	3 740-6	22.86	5-11
15WB 600	133-7	170-38	600	250	21.3	11.2	106 198-5	4 702-5	24.97	5-25
ISWB 600	145-1	184-86	600	250	23.6	11-8	115 626-6	5 298-3	25-01	5-35
ISHB 150	27-1	34-48	150	150	9.0	5-4	1 <b>4</b> 55·6	431-7	6.50	3.54
ISHB 150	30.6	38.98	150	150	9.0	8-4	1 540-0	460-3	6-29	3.44
ISHB 150	34.6	44.08	150	150	9.0	11.8	I 635·6	494-9	6.09	3.35
15HB 200	37.3	47.54	200	200	9.0	6-1	3 608-4	967-1	8.71	4.51
ISHB 200	40.0	50.94	200	200	9.0	7.8	3 721-8	994-6	8.55	4.42
ISHB 225	43-1	54-94	225	225	9-1	6.5	5 279-5	1 353-8	9.80	4.96
ISHB 225	46.8	59-66	225	225	9-1	8-6	5 478-8	1 396-6	9.58	4-84
ISHB 250	51.0	64-96	250	250	9.7	6.9	7 736-5	1 961-3	10.91	5.49
ISHB 250	54-7	69.71	250	250	9.7	8.8	7 <b>98</b> 3-9	2011-7	10.70	5-37
ISHB 300	58-8	74-85	300	250	10-6	7.6	12 545-2	2 193-6	12.95	5.41
ISHB 300	63.0	80.25	300	250	10-6	9.4	12 950-2	2 246 7	12.70	5.29
ISHB 350	67-4	85.91	350	250	11.6	8.3	19 159-7	2 451-4	14-93	5.34
ISHB 350	72-4	92-21	350	250	11-6	10-1	19 802-8	2 510-5	14-65	5-22
ISHB 400	77-4	98.66	400	250	12.7	9.1	28 083-5	2 728-3	16.87	5.26
ISHB 400	82.2	104-66	400	250	12.7	10.6	28 823-5	2 783-0	16-61	5.16
ISHB 450	87-2	111-14	450	250	13-7	9.8	39 210-8	2 985-2	18.78	5-18
ISHB 450	92.5	117-89	450	250	13.7	11-3	40 349-9	3 045 0	18-50	5 08

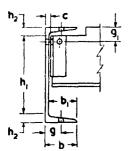


Moduli o	Section	Radius at	Radius at	Slope of			Connection	on Deta	ails		Maximum Size of	Desig- nation
$Z_{xx}$	$Z_{yy}$	Root r <sub>1</sub>	Toe r <sub>2</sub>	<b>Flange</b> D	h <sub>1</sub>	h <sub>2</sub>	<b>b</b> <sub>1</sub>	c	g	g <sub>1</sub> (Min)	Flange Rivet	
cm <sup>3</sup>	cm <sup>3</sup>	mm	mm	degrees	mm	mm	mm	mm	mm	mm	mm	
2 359-8	193-0	18-0	9.0	98	467.5	41-25	89-40	7-10	100	75	32	ISMB 550
3 060-4	252-5	20.0	10.0	98	509.7	45-15	99-00	7-50	140, 100	80	25, 32	ISMB 600
111.9	19.0	8.0	4.0	96	116-6	16.70	47-30	4.20	55	55	16	ISWB 150
172.5	30-2	8.0	4.0	96	139-5	17.75	59.60	4.40	65	55	22	15WB 175
262-5	47.0	9.0	4.5	96	158-8	20.60	66.95	4.55	80	55	22	ISWB 200
348-5	59-8	9.0	4.5	96	181-4	21.80	71-80	4.70	90	55	22	ISWB 225
475-4	85.7	10.0	5.0	96	203.8	23:10	96.65	4.85	140, 100	60	22, 32	ISWB 250
654-8	99-0	11.0	5.5	96	250∙1	24.95	96-30	5.20	140, 100	60	22, 32	ISWB 300
887.0	117-6	12.0	6.0	96	295-5	27-25	96.00	5.50	140, 100	60	22, 32	ISWB 350
1 171-3	138-8	13-0	6.5	96	340-5	29.75	95.70	5.80	140, 100	65	22, 32	15WB 400
1 558-1	170-7	14.0	7.0	96	384-0	33.00	95.40	6.10	140, 100	70	22, 32	ISWB 450
2 091 -6	239.0	15.0	7.5	96	431-0	34-50	120-05	6-45	140	70	32	ISWB 500
2 723.9	299-2	16.0	8.0	96	473-4	38-30	119-75	6.75	140	75	32	ISWB 550
3 540-0	376∙2	17-0	8.5	96	51 <del>4</del> -2	<del>4</del> 2·90	119-40	7.10	140	80	32	ISWB 600
3 854-2	423-9	18-0	9.0	96	507-9	46.05	119-10	7·40	140	80	32	ISWB 600
194-1	<b>57</b> ⋅6	8.0	4.0	94	112.0	19.0	72-30	4-20	90	55	22	ISHB 150
205-3	60-2	8.0	4.0	94	112-0	19-0	70-80	5.70	90	55	22	15HB 150
218-1	63-2	8.0	4.0	94	112.0	19.0	69-10	7.40	90	55	22	ISHB 150
360.8	96.7	9.0	4.5	94	158-4	20.8	96.95	4.55	140, 100	55	22, 32	ISHB 200
372-2	98-6	9.0	4-5	94	158-4	20.8	96·10	5.40	140, 100	55	22, 32	ISHB 200
469-3	120-3	0.01	5∙0	94	180-5	22.2	109-25	4.75	140	55	28	ISHB 225
487-0	123-0	10.0	5.0	94	180-5	22-2	108-20	5.80	140	55	28	ISHB 225
618.9	156.9	10.0	5.0	94	203-5	23.2	121-55	4.95	140	60	32	ISHB 250
638-7	159.7	10.0	5.0	94	203.5	23-2	120-60	5.90	140	60	32	ISHB 250
836-3	175.5	11.0	5.5	94	249-8	25·1	121-20	5.30	140	60	32	ISHB 300
863-3	178-4	11.0	5.5	94	249-8	25-1	120-30	6.20	140	60	32	ISHB 300
1 094 8	196-1	12.0	6.0	94	296-0	27.0	120-85	5.65	140	60	32	ISHB 350
1 131-6	199-4	12-0	6.0	94	296-0	27.0	119-95	6.55	140	60	32	ISHB 350
I 404·2	218-3	14-0	7∙0	94	340-1	29.9	120-45	6.05	140	65	32	ISHB 400
1 444-2	221.3	14-0	7.0	94	340-1	29-9	119-70	6.80	140	65	32	ISHB 400
1 742-7	238-8	15.0	7.5	94	386-2	31.9	120-10	6.40	140	65	32	ISHB 450
1 793-3	242-1	15.0	7.5	94	386-2	31.9	119-35	7-15	140	65	32	ISHB 450

### TABLE II ROLLED STEEL CHANNELS



Designation	Weight per	Sectional Area	Depth of	Width of	Thick- ness of	Thick- ness of	Centre of	Moments	of Inertia	Radii of	Gyration
	Metre	A. C.	Section	Flange	Flange	Web	Gravity	,		,	
	w	а	ħ	Ь	t <sub>f</sub>	$t_w$	$c_{yy}$	$I_{xx}$	$I_{yy}$	$r_{xx}$	t <sub>yy</sub>
	kg	cm²	mm	mm	mm	mm	cm	cm <sup>4</sup>	cm <sup>4</sup>	cm	Cm
ISJC 100	5.8	7-41	100	45	5-1	3.0	1.40	123-8	14.9	4.09	1-42
ISJC 125	7.9	10.07	125	50	6.6	3.0	1.64	270.0	25.7	5-18	1.60
ISJC 150	9.9	12.65	150	55	6.9	3.6	1.66	<del>4</del> 71·1	37· <b>9</b>	6-10	1.73
1SJC 175	11-2	14-24	175	60	6.9	3.6	1.75	719.9	50.5	7-11	1.88
1SJC 200	13-9	17.77	200	70	7-1	4-1	1.97	1 161 2	84-2	8.08	2.18
ISLC 75	5.7	7·26	75	40	6.0	3.7	1-35	66·1	11.5	3.02	1-26
ISLC 100	7.9	10.02	100	50	6.4	4.0	1.62	164.7	24-8	4.06	1-57
ISLC 125	10.7	13-67	125	65	6.6	4.4	2:04	356.8	57-2	5-11	2.05
ISLC ISO	14-4	18-36	150	75	7.8	4-8	2⋅38	697-2	103-2	6-16	2-37
ISLC 175	17-6	22.40	175	75	9.5	5-1	2.40	i 148·4	126.5	7-16	2.38
ISLC 200	20.6	26.22	200	75	10.8	5.5	2.35	1 725-5	146.9	8-11	2.37
ISLC 225	24.0	30-53	225	90	10-2	5-8	2-46	2 547-9	209-5	9-14	2-62
ISLC 250	28.0	35-65	250	100	10.7	6·1	2.70	3 687-9	298-4	10-17	2.89
ISLC 300	33-1	42-11	300	100	11-6	6.7	2.55	6 047 9	346.0	11.98	2 87
ISLC 350	38.8	49-47	350	100	12-5	7.4	2-41	9.312.6	394-6	13.72	2.82
ISLC 400	45.7	58-25	400	100	14.0	8.0	2.36	13 989-5	460-4	15.50	2.81
1SMC 75	6.8	8.67	75	40	7.3	4.4	1-31	76.0	12.6	2.96	1.21
ISMC 100	9-2	11-70	100	50	7.5	4.7	1.53	186.7	25.9	4.00	1.49
ISMC 125	12.7	16-19	125	65	8-1	5.0	1.94	416-4	59.9	5.07	1.92
ISMC 150	16-4	20.88	150	75	9.0	5.4	2.22	779-4	102-3	6-11	2-21
ISMC 175	19-1	2 <del>4</del> ·38	175	75	10.2	5.7	2.20	1 223-3	121-0	7∙08	2.23
ISMC 200	22-1	28.21	200	75	11:4	6-1	2:17	I 819·3	140-4	8.03	2.23
15MC 225	25.9	33.01	225	80	12-4	6.4	2·30	2 694-6	187-2	9.03	2.38
ISMC 250	30-4	38-67	250	80	14-1	7-1	2.30	3 816-8	219-1	9.94	2.38
ISMC 300	35.8	45.64	300	90	13-6	7.6	2.36	6 362-6	310.8	11.81	2-61
ISMC 350	<b>42</b> ∙1	53-65	350	100	13-5	8∙1	2-44	10 008-0	430-6	13.66	2-83
ISMC 400	49-4	62.93	400	100	15.3	8.6	2-42	15 082-8	504-8	15-48	2.83

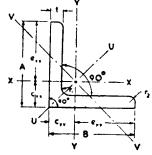


## TABLE II ROLLED STEEL CHANNELS

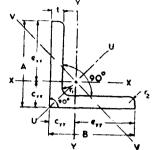
#### **DIMENSIONS AND PROPERTIES**

Moduli	of Section	Radius at	Radius at	Slope of			Connecti	on Deta	ails		Maximum Size of	Desig- nation
$Z_{xx}$	$Z_{yy}$	Root r <sub>1</sub>	Toe	Flange D	ħ <sub>1</sub>	h <sub>2</sub>	b <sub>1</sub> /2	с	g	<b>₽</b> <sub>1</sub> (Min)	Flange Rivet	
cm <sup>3</sup>	cm <sup>3</sup>	mm	mm	degrees	mm	mm	mm	mm	mm	mm	mm	
24-8	4.8	6.0	2.0	91.5	77-0	11.5	21.0	4.5	25	50	12	1SJC 100
43.2	7.6	6.0	2.5	91-5	98.9	13-1	23-5	4.5	28	50	16	ISJC 125
62.8	9.9	7.0	3.0	91.5	121-2	14-4	25.7	5-1	30	50	20	ISJC 150
82-3	11.9	7.0	3.0	91.5	146-1	14-5	28-2	5- <b>I</b>	35	50	20	ISJC 175
116-1	16-7	8-0	3.5	91.5	168-5	15.8	33.0	5.6	40	50	22	ISJC 200
17-6	4.3	6.0	2.0	91.5	50-4	12-3	18-2	5-2	21		12	ISLC 75
32.9	7.3	6.0	2.0	91.5	74.3	12-8	23.0	5:5	28	50	16	ISLC 100
57-1	12.8	7.0	2.5	91.5	96-6	14-2	30-3	, <b>5 9</b>	35	50	22	ISLC 125
93-0	20-2	8.0	3.5	91.5	117-0	16.5	35-1	6.3	40	50	25	ISLC ISO
131-3	24.8	8.0	4 0	91.5	138-6	18.2	35∙0	6.6	40	55	25	ISLC 157
172-6	28.5	8∙5	4.5	91.5	160-0	20.0	34-8	7.0	40	55	25	ISLC 200
226-5	32.0	11.0	5.5	96	175.9	24.5	<b>42</b> ·1	7-3	50	60	28	ISLC 225
295-0	40.9	11.0	5.5	96	198.9	25.5	<b>4</b> 7·0	7.6	60	60	28	ISLC 250
403-2	46-4	12.0	6.0	96	245-4	27-3	46.7	8.2	60	60	28	ISLC 300
532-1	52.0	13.0	6.0	96	291-9	29-1	46.3	8 9	60	65	28	ISLC 350
699-5	60.2	14.0	7.0	96	337-1	31-4	46:0	9 5	60	65	28	ISLC 400
20-3	4.7	8.5	4.5	96	41-4	16-8	17.8	5.9	21		12	15MC 75
37.3	7.5	9.0	4.5	96	64.0	18.0	22.7	6 2	28	50	16	ISMC 100
66.6	13-1	9.5	5.0	96	85· <b>4</b>	19.8	30.0	6.5	35	55	22	ISMC 125
103-9	19-4	10.0	5.0	96	106.7	21.7	34-8	6.9	40	55	25	ISMC 150
139.8	22.8	10.5	5.5	96	128-4	23-3	34.7	7.2	40	55	25	ISMC 175
181-9	28∙3	11.0	5.5	96	150-2	24.9	34-5	7.6	40	60	25	ISMC 200
239.5	32.8	12-0	6.0	96	170-9	27-1	36-8	7.9	45	60	25	ISMC 225
305.3	38-4	12.0	6.0	96	192.5	28.7	36.5	8.6	45	65	25	ISMC 250
424-2	46.8	13.0	6-5	96	240-7	29.6	41.2	9-1	50	65	28	ISMC 300
571.9	57-0	14-0	7.0	96	288·I	30.9	46-0	9.6	60	65	28	ISMC 350
75 <b>4</b> -1	66-6	15.0	7.5	96	332-8	33-6	45-7	10-1	60	70	28	ISMC 400

Note --- Values of 'g' are meant for one row of rivets only. In sufficiently wide flanges, if two rows are desirable, different gauges will have to be adopted.



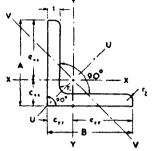
Designation	Size	Thickness	Sectional Area	Weight per Metre	Centre of Gravity	Distance of Extreme Fibre
	$A \times B$	t	a	w	$C_{xx} = C_{yy}$	$e_{xx} = e_{yy}$
	mm mm	mm	cm²	kg	cm	cm
ISA 2020	20×20	3.0	1-12	0.9	0-59	1:41
137 2020	10 ^ 10	4.0	1.45	1:1	0.63	1:37
		40	1.45	1.1	0.63	1.27
ISA 2525	25×25	3⋅0	1-41	1.1	0.71	1.79
		4.0	1.84	1:4	0.75	I·75
		5.0	2.25	1.8	0.79	1.71
ISA 3030	30×30	3.0	1.73	1-4	0.83	2-17
13A 3030	30 × 30	4:0	2.26		0.83	
		5.0		1.8		2-13
		3.0	2.77	2·2	0.92	2.08
ISA 3535	35×35	3.0	2.03	1.6	0-95	2.55
		4∙δ	2.66	2 1	1.00	2.50
		5.0	3.27	2.6	1.04	2.46
		6.0	3.86	· 3⋅0	. 1.08	2.42
ISA 4040	40×40	3.0	2.24			2.02
134 7070	70 X 70	4.0	2.34	1.8	ເມື່	2·92
		5·0	3·07 3·78	2.4	1.12	2.88
		6.0		3.0	I·16	2.84
		6.0	4-47	3⋅5	1 ⋅ 20	2.80
ISA 4545	45×45	3.0	2.64	2⋅1	1-20	3.30
		4.0	3-47	2.7	1.25	3 25
		5.0	4.28	3-4	I·29	3-21
		6.0	5.07	4.0	1.33	3-17
ISA 5050	50 × 50	3.0	2.95	2.3	1.32	3-68
	30 / 30	4.0	3.88	3.0	1.37	3.63
		5.0	4·79	3.8	1.41	3.59
		6.0	5.68	4.5	1.45	3.55
			3 00	7.3	, ,,	2 33
ISA 5555	55×55	5.0	5·27	<b>4</b> ·1	1.53	3.97
		6.0	6.26	4.9	1.57	3.93
		8.0	8.18	6· <b>4</b>	1-65	3-85
		10-0	10.02	7.9	1.72	3.78
ISA 6060	60×60	5.0	5.75	4.5	1.65	4-35
		6.0	6.84	5.4	1.69	4.31
		8.0	8.96	7.0	1.77	4.23
		10.0	11.00	8.6	1.85	4.15
ISA 6565	65×65		,			, <b>44</b>
13M 4303	69 × 69	5·0	6·25	4.9	1.77	4.73
		6∙0 8-0	7-44	5.8	1.81	4.69
		10-0	9·76	7.7	1.89	4.61
		10.0	12.00	9-4	1.97	4-53



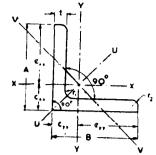
Designation	Product of Inertia	Radius at Toe	Radius at Root	Modulus of Section	ion	of Gyrat	Radii	ertia	nts of Inc	Mome
	l <sub>xy</sub>	r <sub>2</sub>	<i>r</i> <sub>1</sub>	$Z_{xx} = Z_{yy}$	$r_{vv}$	ruu	$r_{xx} = r_{yy}$	$I_{vv}$	luu	$l_{xx} = l_{yy}$
	cm <sup>4</sup>	mm	mm	cm <sup>3</sup>	cm	cm	cm	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>4</sup>
ISA 2020	0.2	2.5	4.0	0.3	0.37	0.73	0-58	0.2	0-6	0.4
107, 2030	0-3			0.4	0-37	0.72	0-58	0.2	0.8	0.5
ISA 2525	0-4	3.0	4-5	0.4	0.47	0.93	0.73	0.3	1.2	0⋅8
	0-6			0.6	0-47	0.91	0.73	0-4	1.6	1.0
	0.7			0.7	0-47	0-91	0.72	0.5	1⋅8	1.2
ISA 3030	0-8	3.0	5-0	0.6	0.57	1.13	0.89	0-6	2.2	1.4
	1-0			C·8	0.57	1.12	0.89	0.7	2.8	1.8
	1.2			1.0	0.57	1-11	0.88	0-9	3-4	2-1
ISA 3535	1-3	3-0	5 <sub>:</sub> 0	C+ő	0-67	1.33	1.05	0-9	3.6	2.3
	1.7			l·2	0-67	1-32	1.05	1.2	4.7	2.9
	2⋅1		<b>6</b>	1.4	0.67	1.31	1.04	1.5	5∙6	3.5
	2-4			1.7	0-67	I∙2 <del>9</del>	1-03	1.7	6.5	4-1
15 4 4040	2.0	3.0	5.5	1.2	0-77	1-54	1.21	1.4	5.5	3-4
	2.6			1.6	0.77	1.53	1.21	1-8	7-1	4.5
	3⋅2			1.9	0.77	1.51	1.20	2.2	8.6	5.4
	3.7			2.3	0-77	1-50	1-19	2.6	10-0	6.3
ISA 4545	2.9	3.0	5.5	1-5	0-87	1-74	1.38	2.0	8.0	5-0
	3.8			2.0	0.87	1.73	1.37	2.6	10-4	6.5
	4.6			2:5	0.87	1.72	1.36	3.2	12.6	7.9
	5-4			2-9	0.87	1.70	1-35	3⋅8	14-6	9-2
ISA 5050	4-1	3-0	6.0	1.9	0.97	1.94	1.53	2.8	11:1	6.9
	5∙3			2.5	0.97	1.93	1:53	3.6	14.5	9-1
	6.5			3-1	0.97	1.92	1.52	4.5	17.6	11.0
	7-6			3.6	0.96	1.90	1.51	5-3	20-6	12-9
ISA 5555	8.6	4.0	6.5	3⋅7	1.06	2-11	l·67	5.9	23.5	14-7
	10-1			4-4	1.06	2.10	1.66	7.0	27.5	17-3
	12.8			5.7	1.06	2.07	1.64	9-1	34.9	22.0
	15-1			7.0	1.06	2.03	1-62	11.2	41.5	26-3
ISA 6060	11-3	4.5	6.5	4.4	1-16	2.31	I · 82	7.7	30.6	19-2
	13-3			5∙2	1.15	2.29	I · 82	9.1	36-0	22-6
	16.9			6⋅8	1.15	2.27	1.80	11-9	46.0	29.0
	20-1			8-4	1-15	2.23	1.78	14-6	54-9	34-8
ISA 6565	14.5	4.5	6.5	5∙2	1.26	2.51	1.99	9.9	39-4	24.7
	17-2			6.2	1.26	2.30	1.98	11.7	46.5	29-1
	22-0			1.8	1.25	2.47	1-96	15.3	59-5	37-4
	26.2			9.9	1.25	2-44	1-94	18.8	71-3	45.0
( Continued )										

#### DIMENSIONS AND PROPERTIES

(Continued)



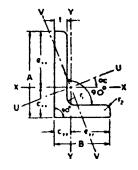
Designation	Size	Thickness	Sectional Area	Weight per Metre	Centre of Gravity	Distance of Extreme Fibre
	A×B	t	a	w	$C_{xx} = C_{yy}$	$e_{xx} = e_{yy}$
	mm mm	mm	cm²	kg	cm	cm
ISA 7070	70×70	5.0	6.77	5.3	I · <b>8</b> 9	5-11
		6-0	8-06	6∙3	1-94	5.06
		8.0	10.58	8-3	2.02	4.98
		10-0	13.02	10-2	2.10	4.90
ISA 7575	75×75	5.0	7-27	5∙7	2-02	5·48
		6.0	8-66	6.8	2.06	5:44
		8.0	11:38	8.9	2·14	5.36
		10-0	14-02	11.0	2.22	5·28
ISA 8080	80 × 80	6.0	9-29	7.3	2-18	5-82
		8.0	12-21	. 9.6	2.27	5.73
		10.0	15.05	11.8	2-34	5.66
		12.0	17-81	× 14·0	2-42	5.58
ISA 9090	90×90	6.0	10-47	8-2	2-42	6.58
		8.0	13.79	10.8	2-51	6.49
		10.0	17-03	13-4	2.59	6:41
		12.0	20-19	15.8	2.66	6.34
ISA 100100	100×100	6.0	11-67	9-2	2-67	7-33
		8.0	15-39	12-1	2.76	7.24
		10.0	19-03	14.9	2.84	7-16
		12-0	22.59	17-7	2.92	7.08
ISA 110110	110×110	8.0	17-02	13:4	3.00	8.00
		10.0	21.06	16.5	3.08	7.92
		12.0	25.02	19.6	3⋅16	7-84
		15.0	30-81	24-2	3-27	7.73
ISA 130130	130×130	8-0	20-22	15-9	3-50	9.50
		10-0	25-06	19.7	3.58	9-42
		12.0	29.82	23.4	3.66	9-34
		15.0	36-81	28.9	3.78	9-22
ISA 150150	150×150	10-0	29-03	22-8	4-06	10.94
		12-0	34-59	27.2	4-14	10-86
		15.0	<del>4</del> 2·78	33.6	4-26	10.74
		18.0	50-79	39.9	4-38	10-62
ISA 200200	200 × 200	12.0	<del>46</del> ·61	36-6	5-36	14-64
		15∙0	<b>57·80</b>	45-4	5· <del>4</del> 9	14-51
		18.0	68-81	5 <del>4</del> ·0	5.61	14-39
		25.0	93.80	73-6	5.88	14-12



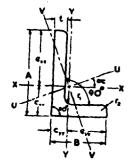
#### DIMENSIONS AND PROPERTIES

(Continued)

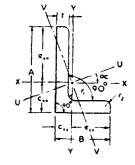
Mon	ments of	Inertia	Rad	ii of Gyr	ation	Modulus of Section	Radius at Root	Radius at Toe	Product of Inertia	Designation
$I_{xx} = I_{yy}$	$I_{uu}$	Ivv	$r_{xx} = r_{yy}$	ruu	rvu	$Z_{xx} = Z_{yy}$	r,	r <sub>2</sub>	Ixy	
cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>4</sup>	. cm	cm	cm	$cm^3$	mm	mm	cm <sup>4</sup>	
31-1	49-8	12-5	2.15	2.71	1.36	6·1	7.0	4.5	18-4	ISA 7070
36-8	58.8	14.8	2-14	2.70	1.36	7⋅3			21.7	
47-4	75.5	19-3	2-12	2.67	1.35	9.5			27.9	
<b>57</b> ·2	90.7	23.7	2.10	2.64	1.35	11.7			33.3	
38.7	61.9	15.5	2.31	2.92	1.46	7-1	7.0	4-5	22.8	ISA 7575
45.7	73-1	18· <del>4</del>	2.30	2 91	1.46	8.4			27.0	
59.0	94 - 1	24.0	2.28	2.88	1.45	11.0			34.8	
71.4	113.3	29.4	2.26	2.84	1.45	13.5			41.7	
56-0	89 6	22.5	2.46	3-11	1.56	9.6	8-0	4.5	33-0	ISA 8080
72.5	115.6	29-4	2.44	3.08	1.55	12.6	•		<del>4</del> 2·7	
87·7	139-5	36.0	2.41	3.04	1.55	15.5			51· <del>4</del>	
101-9	161-4	42.4	2.39	3.01	1.54	18-3	V		59∙2	
80·I	128 1	32.0	2.77	3.50	1.75	12-2	8.5	<b>5</b> .5	47-2	ISA 9090
104-2	166-4	42.0	2.75	3.47	1.75	16.0			61.5	
126.7	201.9	51-6	2.73	3.44	1.74	19-8			74-5	
147.9	234-9	60.9	2.71	3-41	1.74	23.3			86.5	
111-3	178-1	44-5	3.09	3-91	1.95	15-2	8.5	5.5	65.7	ISA 100100
145-1	231-8	58· <b>4</b>	3.07	3.88	1.95	20.0			85-8	
177-0	282-2	71.8	3.05	3.85	1.94	24.7			104-4	
207-0	329∙3	84.7	3.03	3.82	1.94	29.2			121-6	
195-0	311.7	78-2	3.38	4.28	2-14	24-4	10.0	6.0	115-1	ISA 110110
238-4	380-5	96.3	3.36	4.25	2.14	30-1			140.6	
279-6	445-3	113-8	3.34	4:22	2.13	35.7			164-5	
337-4	535· <del>4</del>	139-3	3.31	4-17	2.13	43.7			197.0	
328-3	525-1	131-4	4-03	5.10	2.55	34-5	10.0	6.0	194-2	ISA 130130
402-7	643-4	162-1	4.01	5.07	2.54	42.7			238-3	
473·8	755-9	191-8	3.99	5.03	2.54	50∙7			279-9	
574-6	914-2	235.0	3⋅95	4.98	2.53	62.3			337-8	
622-4	995-4	249-4	4-63	5.86	2.93	56.9	12.0	8.0	368-2	ISA 150150
735-4	1 174-8	296-0	4.61	5-83	2.93	67-7			435-0	
896.8	1 429-7	363-8	4.58	5.78	2.92	83.5			52 <b>9</b> ∙1	
048-9	i 668-2	429-5	4-54	5.73	2-91	98.7			616-0	
788-9	2 862-0	715.9	6.20	7-84	3.92	122-2	15.0	10.0	I 058·9	ISA 200200
197-7	3511-8	883-7	6-17	7.79	3.91	151-4			1 301-2	
588-7	4 130-8	1 046-5	6-13	7.75	3.90	179·9			1 530-5	
436-3	5 460-9	1411.6	6.05	7-63	3.88	243-3			2015-7	



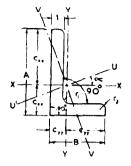
Designation	Size	Thick- ness	Sectional Area	per		re of vity	Distar Extrem	nce of e Fibre	۲	loments	of Inertia	ı
	A×B	t	а	Metre w	Cz+	Cyy	e <sub>zx</sub>	e <sub>yy</sub>	I <sub>xx</sub>	lyy	luu	$I_{vv}$
	mm mm	mm	cm²	kg	cm	cm	cm	cm	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>4</sup>
ISA 3020	30×20	3.0	1.41	1-1	0.98	0.49	2:02	1.51	1.2	0.4	1.4	0.2
		4.0	1-84	1-4	1.02	0.53	i ·98	1.47	1.5	0.5	1.8	0.3
		5.0	2.25	1.8	1.06	0.57	1.94	1-43	1.9	0.6	2.1	0-4
ISA 4025	40×25	3.0	I ·88	1.5	1-30	0.57	2.70	1.93	3.0	0.9	3-3	0.5
		4.0	2.46	1.9	1.35	0.62	2.65	1.88	3.8	1.1	4.3	0.7
		5.0	3.02	2.4	1.39	0.66	2.61	1.84	4.6	1.4	5-1	0.8
		6.0	3.56	2.8	1.43	0-69	2.57	1.81	5-4	1.6	5.9	1.0
1SA 4530	45×30	3.0	2.18	1.7	1-42	0.69	3.08	2-31	4-4	1.5	5-0	0.9
		4.0	2.86	2.2	1.47	0.73	∘ 3.03	2.27	5.7	2.0	6.5	1.1
		5∙0	3.52	2.8	1.51	0.77	2.99	2.23	6.9	2.4	7.9	1.4
•		6.0	4-16	3.3	1.55	0.81	2.95	2-19	8.0	2.8	9.2	1.7
ISA 5030	50 × 30	3-0	2-34	1.8	1-63	0.65	3.37	2.35	5.9	1.6	6.5	1.0
		4.0	3.07	2.4	1.68	0.70	3.33	2.30	7.7	2.1	8.5	1.2
		5.0	3.78	3.0	1.72	0.74	3.28	2.26	9.3	2.5	10.3	1.5
		6.0	4-47	3⋅5	1.76	0.78	3-24	2.22	10-9	2.9	11.9	1.8
ISA 6040	60×40	5.0	4.76	3.7	1.95	0.96	4.05	3-04	16.9	6.0	19-5	3-4
		6-0	5.65	4-4	l·99	1.00	4.01	3.00	19.9	7.0	22-8	4.0
		8.0	7.37	5· <b>8</b>	2.07	1.08	3-93	2.92	25-4	8.0	29.0	5∙2
ISA 6545	65×45	5.0	5-26	4-1	2.07	1-08	4:43	3-42	22.1	8-6	25.9	4.8
		6.0	6.25	4.9	2-11	1.12	4.39	3.38	26.0	10-1	30-4	5.7
		8.0	8-17	6-4	2.19	1 · 20	4-31	3.30	33.2	12.8	38.7	7.4
ISA 7045	70×45	5.0	5.52	4-3	2.27	1-04	4-73	3.46	27-2	8.8	30.9	5-1
		6.0	6.56	5⋅2	2.32	1.09	4.68	3.41	32.0	10.3	36.3	6.0
		8.0	8.58	6.7	2.40	1.16	4-60	3.34	41.0	13-1	46-3	7.8
		10.0	10.52	8-3	2.48	1-24	4-52	3-26	49-3	15-6	5 <b>5·4</b>	9.5
ISA 7550	75×50	5.0	6.02	4.7	2-39	1.16	5-11	3.84	34-1	12-2	39-4	6.9
		6.0	7-16	5⋅6	2.44	1.20	5.06	3.80	40.3	14-3	46-4	8.2
		8.0	9.38	7.4	2.52	1.28	4.98	3.72	51.8	18-3	5 <del>9</del> ·4	10.6
		10.0	11.52	9.0	2.60	1.36	4-90	3-64	62.3	21.8	71-2	12.9
ISA 8050	80×50	5.0	6-27	4.9	2.60	1-12	5-40	3.88	40.6	12-3	45.7	7.2
		6.0	7.46	5.9	2.64	1.16	5.36	3.84	48.0	14-4	53.9	8.5
		8.0	9.78	7.7	2.73	1-24	5.27	3.76	61.9	18-5	69.3	11-0
		10.0	12.02	9-4	2.81	1.32	5-19	3.68	74-7	22-1	83-3	13-5



	Radii of	Gyration		Moduli o		tan $\alpha$	Radius at Root	Radius at Toe	Product of Inertia	Designa- tion
r <sub>xx</sub>	ryy	ruu	ree	$Z_{xx}$	Zyy		<b>r</b> 1	r <sub>2</sub>	lzy	
cm	cm	cm	cm	cm <sup>3</sup>	cm³		mm	mm	cm <sup>4</sup>	
0-92	0.54	0.99	0.41	0-6	0.3	0-43	4.5	3-0	0.4	ISA 3020
0-92	0-54	0.98	0-41	0.8	0.4	0-42			0.5	
0.91	0.53	0.97	0-41	1.0	0-4	0:41			0.6	
1.25	0.68	1-33	0-52	1-1	0.5	0.38	5∙0	3.0	0-9	ISA 4025
1.25	0.68	1.32	0.52	1:4	0.6	0.38			1.2	
l·24	0-67	1-31	0.52	1.8	0∙7	0.37			1:4	
I·23	0.66	1.29	0.52	2-1	0.9	0.37	•		1.6	
1-42	0.84	1.52	0.63	1-4	0.7	0.44	· 5·0	3-0	1.5	ISA 4530
1.41	0.84	1.51	0.63	1.9	0.9	0.43			1.9	
I·40	0-83	1.50	0.63	2.3	1.1	0.43			2.3	
1 · 39	0.82	1-49	0.63	2.7	1.3	0.42			2.7	
l·59	0.82	1-67	0.65	1.7	0.7	0.36	5.5	3-0	1.7	ISA 5030
l ·58	0.82	1.66	0.63	2.3	0.9	0.36			2.3	
1.57	0.81	1-65	0.63	2.8	1-1	0.35			2.7	
1-56	0.80	1-64	0.63	3-4	1.3 .	0.35			3⋅1	
1-89	1-12	2-02	0.85	4-2	2.0	0.44	6.0	4.0	5-8	ISA 6040
1 -88	1-11	2.01	0-85	5∙0	2.3	0.43			6.8	
1.86	1-10	1.98	0.84	6.2	3.0	0-42			8-5	
2.05	1-28	2-22	0.96	5-0	2.5	0-47	6.0	4.0	8.0	ISA 6545
2-04	1-27	2.21	0.95	5.9	3.0	0-47			9· <del>4</del>	
2.02	1-25	2-18	0.95	7.7	3.9	0.46			8-11	
2-22	1.26	2.36	0.96	5.7	2.5	0-41	6∙5	4.0	8-9	ISA 7045
2-21	1.25	2.35	0.96	6∙8	3∙0	0:41			10.5	
2-19	1.24	2.32	0.95	8.9	3.9	0.40			13.2	
2-16	1.22	2-29	0.95	10.9	4.8	0.39			15-5	
2-38	1-42	2.56	1.07	6.7	3⋅2	0-44	6.5	4.0	f1-8	ISA 7550
2·37	1-41	2.55	1.07	8.0	3.8	0-44			13.9	
2·35	1.40	2.52	1.06	10-4	4.9	0.43			17-7	
2.33	1-38	2-49	1.06	12.7	6.0	0-42			20.9	
2.55	1-40	2.70	1.07	7.5	3-2	0.39	7.0	4.5	12.9	ISA 8050
2·54	1-39	2.69	1-07	9.0	3.8	0.39			15-2	
2·52	1.37	2.66	1.06	11.7	4.9	0.38			19-3	
2-49	1-36	2-63	1-06	14:4	6-0	0.38			22.9	
										( Continue



Designation	Size A×B	Thick- ness	Sectional Area	Weight per Metre w	Centre of Gravity		Distance of Extreme Fibre		Moments of Inertia			
					Czx	$c_{yy}$	e <sub>xx</sub>	$e_{yy}$	$I_{xx}$	$I_{yy}$	$I_{uu}$	I,0
	mm. mm	mm	cm²	kg	cm	cm	cm	cm	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm4
ISA 9060	90×60	6-0	8-65	6.8	2.87	1-39	6-13	4-61	70-6	25.2	81-5	14-3
		8.0	11.37	8.9	2.96	1.48	6.04	4.52	91.5	32-4	105-3	18-6
		10.0	14-01	11.0	3.04	1-55	5.96	4-45	110-9	39-1	127-3	22.8
		12.0	16.57	13.0	3.12	1.63	5 88	4.37	129-1	45-2	147-5	26.8
ISA 10065	100 × 65	6.0	9.55	7.5	3-19	1-47	6-81	5.03	96.7	32-4	110-6	18-6
		8.0	12-57	9.9	3.28	1.55	6.72	4.93	125.9	41.9	143-6	24.2
		10.0	15-51	12.2	3.37	1.63	6.63	4.87	153-2	50.7	174-2	29.7
ISA 10075	100×75	6.0	10-14	8.0	3.01	1.78	6·99	5.72	100-9	48.7	124.0	25.6
		8.0	13-36	10-5	3.10	1.87	6.90	5.63	131-6	63-3	161-3	33.6
		10-0	16.50	13.0	3.19	1.95	6.81	5.55	160-4	76.9	196-1	41.2
		12.0	19-56	15-4	3.27	2.03	6.73	5.47	187-5	89-5	228-4	48.6
ISA 12575	125×75	6.0	11-66	9-2	4.05	1.59	8-45	5.91	187-8	51.6	208-9	30-5
		8.0	15.38	12:1	4-15	1.68	8.35	5-82	245-5	67.2	272.8	40.0
		10-0	19-02	14-9	4-24	1.76	8∙26	5·7 <del>4</del>	300-3	81-6	332-9	49-1
ISA 12595	125×95	6.0	12.86	10-1	3.70	2.22	8.80	7.28	203-2	102-1	252-3	52.9
		8.0	16.98	13.3	3.80	2.31	8.70	7-19	266-0	133-3	329.7	69.6
		10.0	21.02	16.5	3.88	2.39	8.62	7:11	325.8	162-7	402-9	85.6
		12-0	24-98	19-6	3.96	2:47	8.54	7-03	382-6	190-4	472-0	101.0
ISA 15075	150×75	8-0	17-42	13-7	5-23	1-53	9.77	5.97	407-2	70-2	432.8	44.5
		10.0	21.56	16.9	5.32	1.61	9.68	5.89	499-1	85∙3	529·8	54.6
		12.0	25-62	20-1	5-41	1.69	9.59	5.81	587.0	99.5	622-2	64-3
ISA 150115	150×115	8.0	20.58	16-2	4-46	2.73	10-54	8.77	465-7	238-9	581-2	123-3
		10-0	25.52	20.0	4.55	2.82	10-45	8.68	573-3	293· <del>4</del>	714-3	152-4
		12.0	30.38	23.8	4-64	2.90	10.36	8.60	676-5	345-3	841-4	180-4
		15.0	37-52	29.5	4.76	3.02	10-24	8-48	823-5	418-6	1 020-9	221-2
ISA 200100	200×100	10.0	29.03	22.8	6.96	2.01	13-04	7.99	1 210-0	209-2	I 286·7	132-5
		12.0	34-59	27.2	7.05	2.10	12.95	7.90	1 431-7	246-2	1 521-0	156· <b>8</b>
		15.0	42.78	33.6	7-18	2.22	12.82	7.78	I 750·5	298·1	1 856-7	191-9
ISA 200150	200×150	10.0	34-00	26.7	5.99	3.51	14-01	11-49	F 377∙9	669-6	1 696 6	350-8
		12.0	40.56	31.8	6 08	3.60	13.92	11.40	1 634.9	793-2	2 010.8	417-2
		15.0	50-25	39-4	6-20	3.72	13.80	11-28	2 005.6	969.9	2 461 -9	513-6
		18-0	59.76	46.9	6.33	3.84	13-67	11-16	2 359-4	1 136-9	2 889.5	606.9



Radii of Gyration				Moduli of Section		tan $\alpha$	Radius at Root	Radius at Toe	Product of Inertia	Designation
rxx	ryy	r <sub>uu</sub>	r <sub>uv</sub>	$Z_{xx}$	$Z_{yy}$		r <sub>1</sub>	r <sub>2</sub>	Ixy	
cm	cm	cm	cm	cm <sup>3</sup>	cm <sup>3</sup>		mm	m m	cm <sup>4</sup>	
2· <b>8</b> 6	1.71	3.07	1.28	11.5	5.5	0-44	7.5	5.0	24-5	ISA 9060
2.84	1.69	3.04	1.28	15-1	7-2	0.44			31.5	
2.81	1:67	3.01	1.27	18-6	8.8	0.43			37.8	
2.79	1.65	2.98	1-27	22-0	10-3	0.42			43-3	
3-18	1-84	3-40	1-39	14-2	6.4	0.42	8.0	5.5	32.5	ISA 10065
3-16	1.83	3.38	1.39	18.7	8.5	0.42			42-0	
3-14	1.81	3.35	I · 38	23-1	10· <b>4</b>	0-41			50-7	
3-15	2.19	3-50	1-59	14-4	8.5	0.55	» 8-5	6-0	41-0	ISA 10075
3-14	2-18	3.48	1.59	19-1	11-2	0.55			53-4	
3-12	2.16	3-45	1.58	23.6	13-8	0.55			64.7	
3.10	2-14	3-42	1 - 58	27.9	16-3	0.54			74.9	
4-01	2-10	4-23	1-62	22-2	8.7	0.37	9.0	6-0	56.7	ISA 12575
4.00	2.09	4-21	1-61	29-4	11-5	0.36			74.0	
3.97	2.07	4.18	1.61	36-3	14-2	0.36			89.9	
3.97	2.82	4-43	2.03	23-1	14-0	0.57	9.0	6.0	84-5	ISA 125 <b>9</b> 5
3.96	2.80	4-41	2-02	30-6	18-5	0.57			110-6	
3-94	2.78	4.38	2.02	37-8	22.9	0.57			135-0	
3.91	2.76	4-35	2.01	44.8	27-1	0.56			157-7	
4·83	2.01	4.98	1.60	41-7	11-8	0.27	10-0	6.0	95.5	ISA 15075
4-81	1.99	4.96	1.59	51.6	14.5	0.26			116-2	
4.79	1.97	4.93	1.28	61.2	17-1	0.26			135-2	
4-76	3-41	5-31	2-45	44-2	27-2	0.58	11.0	7.5	195-9	ISA 150115
4.74	3.39	5.29	2.44	54.9	33.8	0.58			241:0	
4-72	3.37	5.26	2.44	65-3	40-2	0.58			283-6	
4-69	3-34	5.22	2.43	80-4	49-4	0.57			342-8	
6· <b>4</b> 6	2.68	6.66	2-14	92-8	26.2	0.27	12-0	8.0	284-8	ISA 200100
6-43	2.67	6-63	2.13	110.6	31-1	0.26			335.3	
6·40	2.64	6.59	2-12	136-5	38·3	0.26			405-4	
6-37	4-44	7-06	3-21	98.3	58-3	0.56	13.5	9.5	564-1	ISA 200150
6-35	4-42	7-04	3-21	117-4	69-6	0.56			669·1	
6.32	4-39	7.00	3.20	145-4	86.0	0.55			818-5	
6·28	4.36	6.95	3-19	172-5	101· <del>9</del>				958-1	