

**MERTON-WILLIAMS
METAL COMPANY**



PRODUCT GUIDE

MERTON-WILLIAMS
METAL COMPANY



PRODUCT GUIDE

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INTRODUCTION



Merton-Williams Metal Company combine over 30 years of experience in exporting metal and plastic products all over the world.

As both a Stockists and Mill Agent, we specialise in supplying orders of *any* size. Multi-Itemed orders consisting of a variety of different materials in varying forms are our speciality.

Quality products are a priority, and we only supply **prime** material produced by Quality Approved manufacturers, (e.g. ISO, Lloyds, BV, DNV etc) and furthermore all material is supplied accompanied with fully traceable Mill Test Certificates.

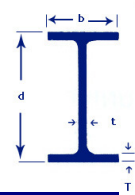
All products can be supplied in a vast range of recognised international standards including BS, ASTM, EN, AISI, and DIN.

Our masterful expertise lie within Export, therefore we can provide a full export service including secure Packing and Labelling, Certified & Legalised Documentation, Shipping Documentation, and shipments via Seafreight or Airfreight.

We specialise in supplying the industries such as Oil & Gas, Petrochemical, Mining, and Shipbuilding.

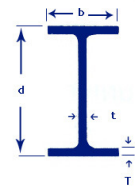
We look forward to be given the opportunity to fulfil your requirements, and establishing a long lasting business relationship.

UNIVERSAL BEAMS



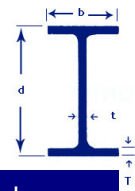
Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
914 x 419	447	933.0	423.0	24.0	42.7
	417	928.0	422.0	22.5	39.9
	388	920.5	420.5	21.5	36.6
	365	916.0	419.0	20.3	34.3
	343	911.4	418.5	19.4	32.0
914 x 305	313	932.0	309.0	21.1	34.5
	289	926.6	307.8	19.6	32.0
	271	923.0	307.0	18.4	30.0
	253	918.5	305.5	17.3	27.9
	238	915.0	305.0	16.5	25.9
	224	910.3	304.1	15.9	23.9
	201	903.0	303.4	15.2	20.2
838 x 292	226	850.9	293.8	16.1	26.8
	210	846.0	293.0	15.4	24.4
	194	840.7	292.4	14.7	21.7
	176	834.9	291.6	14.0	18.8
762 x 267	197	769.6	268.0	15.6	25.4
	185	766.0	267.0	14.9	23.6
	173	762.0	266.7	14.3	21.6
	161	758.0	266.0	13.8	19.3
	147	753.9	265.3	12.9	17.5
686 x 254	170	692.9	255.8	14.5	23.7
	152	687.6	254.5	13.2	21.0
	140	683.5	253.7	12.4	19.0
	125	677.9	253.0	11.7	16.2
610 x 305	238	633.0	311.5	18.6	31.4
	179	617.5	307.0	14.1	23.6
	149	609.6	304.8	11.9	19.7
610 x 229	140	617.0	230.1	13.1	22.1
	125	611.9	229.0	11.9	19.6
	113	607.3	228.2	11.2	17.3
	101	602.2	227.6	10.6	14.8
610 x 178	92	603.0	179.0	10.9	15.0
	91	602.5	178.4	10.6	15.0
	82	598.2	177.8	10.1	12.8

UNIVERSAL BEAMS



Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
533 x 210	138	549.0	214.0	14.7	23.6
	123	544.0	212.0	13.1	21.2
	122	544.6	211.9	12.8	21.3
	109	539.5	210.7	11.6	18.8
	101	536.7	210.1	10.9	17.4
	92	533.1	209.3	10.2	15.6
	82	528.3	208.7	9.6	13.2
533 x 165	85	535.0	166.0	10.3	16.5
	74	529.0	166.0	9.7	13.6
	66	524.8	165.1	8.8	11.5
457 x 191	106	469.0	194.0	12.6	20.6
	98	467.4	192.8	11.4	19.6
	97	466.0	193.0	11.4	19.0
	89	463.6	192.0	10.6	17.7
	82	460.2	191.3	9.9	16.0
	74	457.2	190.5	9.1	14.5
	67	453.6	189.9	8.5	12.7
457 x 152	82	465.1	153.5	10.7	18.9
	74	461.3	152.7	9.9	17.0
	68	459.0	154.0	9.1	15.4
	67	457.2	151.9	9.1	15.0
	60	454.7	152.9	8.0	13.3
	52	449.8	152.4	7.6	10.9
406 x 178	85	417.0	181.0	10.9	18.2
	74	412.8	179.7	9.7	16.0
	67	409.4	178.8	8.8	14.3
	60	406.4	177.8	7.8	12.8
	54	402.6	177.6	7.6	10.9
406 x 140	46	402.3	142.4	6.9	11.2
	39	397.3	141.8	6.3	8.6
356 x 171	67	364.0	173.2	9.1	15.7
	57	358.6	172.1	8.0	13.0
	51	355.6	171.5	7.3	11.5
	45	352.0	171.0	6.9	9.7

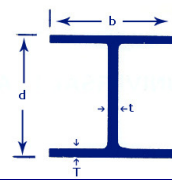
UNIVERSAL BEAMS



Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
356 x 127	39	352.8	126.0	6.5	10.7
	33	348.5	125.4	5.9	8.5
305 x 165	54	310.9	166.8	7.7	13.7
	52	317.0	167.0	7.6	13.2
	46	307.1	165.7	6.7	11.8
	44.5	313.0	166.0	6.6	11.2
	40	303.8	165.1	6.1	10.2
	38.7	310.0	165.0	5.8	9.7
305 x 127	48	310.4	125.2	8.9	14.0
	42	306.6	124.3	8.0	12.1
	37	303.8	123.5	7.2	10.7
305 x 102	33	312.7	102.4	6.6	10.8
	28	308.9	101.9	6.1	8.9
	25	304.8	101.6	5.8	6.8
	23.8	305.0	101.0	5.6	6.7
254 x 146	44.8	266.0	148.0	7.6	13.0
	43	259.6	147.3	7.3	12.7
	38.5	262.0	147.0	6.6	11.2
	37	256.0	146.4	6.4	10.9
	32.7	258.0	146.0	6.1	9.1
	31	251.5	146.1	6.1	8.6
254 x 102	28	260.4	102.1	6.4	10.0
	25	257.0	101.9	6.1	8.4
	22	254.0	101.6	5.8	6.8
203 x 133	31.3	210.0	134.0	10.2	6.4
	30	206.8	133.8	6.3	9.6
	26.6	207.0	133.0	5.8	8.4
	25	203.2	133.4	5.8	7.8
203 x 102	23	203.2	101.6	5.2	9.3
178 x 102	19	177.8	101.6	4.7	7.9
152 x 89	16	152.4	88.9	4.6	7.7
127 x 76	13	127.0	76.2	4.2	7.6

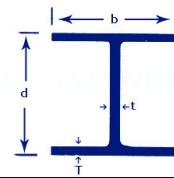


UNIVERSAL COLUMNS



Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
356 x 406	634	474.7	424.1	47.6	77.0
	592	465.0	421.0	45.0	72.3
	551	455.7	418.5	42.0	67.5
	509	446.0	416.0	39.1	62.7
	467	436.6	412.4	35.9	58.0
	463	435.0	416.0	35.8	57.4
	421	425.0	412.0	32.8	52.6
	393	419.1	407.0	30.6	49.2
	382	416.0	409.0	29.8	48.0
	347	407.0	406.0	27.2	43.7
	340	406.4	403.0	26.5	42.9
	314	399.0	401.0	24.9	39.6
	287	393.7	399.0	22.6	36.5
	262	387.0	398.0	21.1	33.3
	237	380.0	395.0	18.9	30.2
	235	381.0	395.0	18.5	30.2
	216	375.0	394.0	17.3	27.7
356 x 368	202	374.7	374.4	16.8	27.0
	196	372.0	374.0	16.4	26.2
	179	368.0	373.0	15.0	23.9
	177	368.3	372.1	14.5	23.8
	162	364.0	371.0	13.3	21.8
	153	362.0	370.2	12.6	20.7
	147	360.0	370.0	12.3	19.8
	134	356.0	369.0	11.2	18.0
	129	355.6	368.3	10.7	17.5
305 x 305	283	365.3	321.8	26.9	44.1
	253	356.0	319.0	24.4	39.6
	240	352.6	317.9	23.0	37.7
	226	348.0	317.0	22.1	35.6
	202	341.0	315.0	20.1	31.8
	198	339.9	314.1	19.2	31.4
	179	333.0	313.0	18.0	28.1
	158	327.2	310.6	15.7	25.0
	143	323.0	309.0	14.0	22.9

UNIVERSAL COLUMNS



Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
	137	320.5	308.7	13.8	21.7
	129	318.0	308.0	13.1	20.6
	118	314.5	306.8	11.9	18.7
	107	311.0	306.0	10.9	17.0
	97	307.8	304.8	9.9	15.4
254 x 254	167	289.1	264.5	19.2	31.7
	149	282.0	263.0	17.3	28.4
	132	276.4	261.0	15.6	25.3
	131	275.0	261.0	15.4	25.1
	115	269.0	259.0	13.5	22.1
	107	266.7	258.3	13.0	20.5
	101	264.0	257.0	11.9	19.6
	89	260.4	255.9	10.5	17.3
	80	256.0	255.0	9.4	15.6
	73	254.0	254.0	8.6	14.2
203 x 203	100	229.0	210.0	14.5	23.7
	86	222.3	208.8	13.0	20.5
	71	215.9	206.2	10.3	17.3
	60	209.6	205.2	9.3	14.2
	52	206.2	203.9	8.0	12.5
	46	203.2	203.2	7.3	11.0
152 x 152	37	161.8	154.4	8.1	11.5
	30	157.5	152.9	6.6	9.4
	23	152.4	152.4	6.1	6.8
	22.5	152.0	152.0	5.8	6.6

MERTON-WILLIAMS
METAL COMPANY



PFC Channels

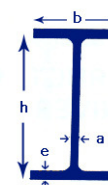
Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
100 x 50 x 10	10.2	100	50	5.0	8.5
125 x 65 x 15	14.8	125	65	5.5	9.5
150 x 75 x 18	17.9	150	75	5.5	10.0
150 x 90 x 24	23.9	150	90	6.5	12.0
180 x 75 x 20	20.3	180	75	6.0	10.5
180 x 90 x 26	26.1	180	90	6.5	12.5
200 x 75 x 23	23.4	200	75	6.0	12.5
200 x 90 x 30	29.7	200	90	4.0	14.0
230 x 75 x 26	25.7	230	75	6.5	12.5
230 x 90 x 32	32.2	230	90	7.5	14.0
260 x 75 x 28	27.6	260	75	7.0	12.0
260 x 90 x 35	34.8	260	90	8.0	14.0
300 x 90 x 41	41.4	300	90	9.0	15.5
300 x 100 x 46	45.5	300	100	9.0	16.5
380 x 100 x 54	54.0	380	100	9.5	17.5
430 x 100 x 64	64.4	430	100	11.0	19.0

MERTON-WILLIAMS
METAL COMPANY



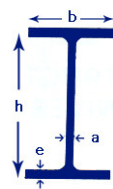


Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
76 x 76 x 13	12.8	76.2	76.2	5.1	8.4
89 x 89 x 19	19.5	88.9	88.9	9.5	9.9
102 x 102 x 23	23.0	101.6	101.6	9.5	10.3
127 x 114 x 27	26.9	127.0	114.3	7.4	11.4
127 x 114 x 29	29.3	127.0	114.3	10.2	11.5
152 x 127 x 37	37.3	152.4	127.0	10.4	13.2
203 x 152 x 52	52.3	203.2	152.4	8.9	16.5
254 x 203 x 82	82.0	254.0	203.2	10.2	19.9



European Beams With Parallel-Faced Flanges

Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
IPE 80	6.00	80.0	46	3.8	5.2
IPE 100	8.10	100.0	55	4.1	5.7
IPE A 120	8.66	117.6	64	3.8	5.1
IPE 120	10.40	120.0	64	4.4	6.3
IPE A 140	10.50	137.4	73	3.8	5.6
IPE 140	12.90	140.0	73	4.7	6.9
IPE A 160	12.70	157.0	82	4.0	5.9
IPE 160	15.80	160.0	82	5.0	7.4
IPE A 180	15.40	177.0	91	4.3	6.5
IPE 180	18.80	180.0	91	5.3	8.0
IPE A 200	18.40	197.0	100	4.5	7.0
IPE 200	22.40	200.0	100	5.6	8.5
IPE A 220	22.20	217.0	110	5	7.7
IPE 220	26.20	220.0	110	5.9	9.2
IPE A 240	26.20	237.0	120	5.2	8.3
IPE 240	30.70	240.0	120	6.2	9.8
IPE A 270	30.70	267.0	135	5.5	8.7
IPE 270	36.10	270.0	135	6.6	10.2
IPE A 300	36.50	297.0	150	6.1	9.2
IPE 300	42.20	300.0	150	7.1	10.7
IPE A 330	43.00	327.0	160	6.5	10.0
IPE 330	49.10	330.0	160	7.5	11.5
IPE A 360	50.2	357.6	170	6.6	11.5
IPE 360	57.1	360	170	8.0	12.7

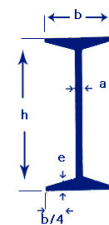


European Beams With Parallel-Faced Flanges

Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
IPE A 400	57.4	397	180	7.0	12.0
IPE 400	66.3	400	180	8.6	13.5
IPE A 450	67.2	447	190	7.6	13.1
IPE 450	77.6	450	190	9.4	14.6
IPE A 500	79.4	497	200	8.4	14.5
IPE 500	90.7	500	200	10.2	16.0
IPE A 550	92.1	547	210	9.0	15.7
IPE 550	106.0	550	210	11.1	17.2
IPE A 600	108.0	597	220	9.8	17.5
IPE 600	122.0	600	220	12.0	19.0

Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
IPE 750 x 137	137.0	753	263	11.5	17.0
IPE 750 x 147	147.0	753	265	13.2	17.0
IPE 750 x 161	161.0	758	266	13.8	19.3
IPE 750 x 173	173.0	762	267	14.4	21.6
IPE 750 x 185	185.0	766	267	14.9	23.6
IPE 750 x 196	196.0	770	268	15.6	25.4
IPE 750 x 210	210.0	775	268	16.0	28.0
IPE 750 x 222	222.0	778	269	17.0	29.5





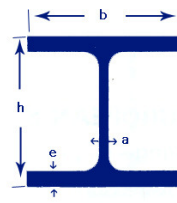
European Standard Beams

Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
IPN 80	5.95	80	42	3.9	5.9
IPN 100	8.32	100	50	4.5	6.8
IPN 120	11.2	120	58	4.1	7.7
IPN 140	14.4	140	66	5.7	8.6
IPN 160	17.9	160	74	6.3	9.5
IPN 180	21.9	180	82	6.9	10.4
IPN 200	26.2	200	90	7.5	11.3
IPN 220	31.1	220	98	8.1	12.2
IPN 240	36.2	240	106	8.7	13.1
IPN 260	41.9	260	113	9.4	14.1
IPN 280	47.9	280	119	10.1	15.2
IPN 300	54.2	300	125	10.8	16.2
IPN 320	61.0	320	131	11.5	17.3
IPN 340	68.0	340	137	12.2	18.3
IPN 360	76.1	360	143	13.0	19.5
IPN 380	84.0	380	149	13.7	20.5
IPN 400	92.4	400	155	14.4	21.6
IPN 450	115.0	450	170	16.2	24.3
IPN 500	141.0	500	185	18.0	27.0
IPN 550	166.0	550	200	19.0	30.0

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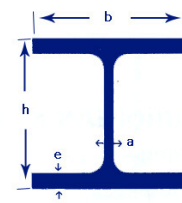


European Wide Flange Beams



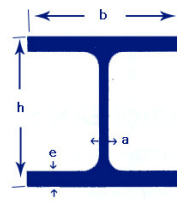
Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
HE 100 AA	12.2	91	100	4.2	5.5
HE 100 A	16.7	96	100	5.0	8.0
HE 100 B	20.4	100	100	6.0	10.0
HE 100 M	41.8	120	106	12.0	20.0
HE 120 AA	14.6	109	120	4.2	5.5
HE 120 A	19.9	114	120	5.0	8.0
HE 120 B	26.7	120	120	6.5	11.0
HE 120 M	52.1	140	126	12.5	21.0
HE 140 AA	18.1	128	140	4.3	6.0
HE 140 A	24.7	133	140	5.5	8.5
HE 140 B	33.7	140	140	7.0	12.0
HE 140 M	63.2	160	146	13.0	22.0
HE 160 AA	23.8	148	160	4.5	7.0
HE 160 A	30.4	152	160	6.0	9.0
HE 160 B	42.6	160	160	8.0	13.0
HE 160 M	76.2	180	166	14.0	23.0
HE 180 AA	28.7	167	180	5.0	7.5
HE 180 A	35.5	171	180	6.0	9.5
HE 180 B	51.2	180	180	8.5	14.0
HE 180 M	88.9	200	186	14.5	24.0
HE 200 AA	34.6	186	200	5.5	8.0
HE 200 A	42.3	190	200	6.5	10.0
HE 200 B	61.3	200	200	9.0	15.0
HE 200 M	103.0	220	206	15.0	25.0
HE 220 AA	40.4	205	220	6.0	8.5
HE 220 A	50.5	210	220	7.0	11.0
HE 220 B	71.5	220	220	9.5	15.0
HE 220 M	117.0	240	226	15.5	26.0

European Wide Flange Beams



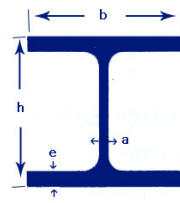
Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
HE 240 AA	47.4	224	240	6.5	9.0
HE 240 A	60.3	230	240	7.5	12.0
HE 240 B	83.2	240	240	10.0	17.0
HE 240 M	157.0	270	248	18.0	32.0
HE 260 AA	54.1	244	260	6.5	9.5
HE 260 A	68.2	250	260	7.5	12.5
HE 260 B	93.0	260	260	10.0	17.5
HE 260 M	172.0	290	268	18.0	32.5
HE 280 AA	61.2	264	280	7	10
HE 280 A	76.4	270	280	8	13
HE 280 B	103	280	280	10.5	18
HE 280 M	189	310	288	18.5	33
HE 300 AA	69.8	283	300	7.5	10.5
HE 300 A	88.3	290	300	8.5	14
HE 300 B	117	300	300	11	19
HE 300 C	177	320	305	16	29
HE 300 M	238	340	310	21	39
HE 320 AA	74.2	301	300	8	11
HE 320 A	97.6	310	300	9	15.5
HE 320 B	127	320	300	11.5	20.5
HE 320 M	245	359	309	21	40
HE 340 AA	78.9	320	300	8.5	11.5
HE 340 A	105	330	300	9.5	16.5
HE 340 B	134	340	300	12	21.5
HE 340 M	248	377	309	21	40
HE 360 AA	83.7	339	300	9	12
HE 360 A	112	350	300	10	17.5
HE 360 B	142	360	300	12.5	22.5
HE 360 M	250	395	308	21	40

European Wide Flange Beams



Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
HE 400 AA	92.4	378	300	9.5	13
HE 400 A	125	390	300	11	19
HE 400 B	155	400	300	13.5	24
HE 400 M	256	432	307	21	40
HE 450 AA	99.7	425	300	10	13.5
HE 450 A	140	440	300	11	19
HE 450 B	171	450	300	14	26
HE 450 M	263	478	307	21	40
HE 500 AA	107	472	300	10.5	14
HE 500 A	155	490	300	12	23
HE 500 B	187	500	300	14.5	28
HE 500 M	270	524	306	21	40
HE 550 AA	120	522	300	11.5	15
HE 550 A	166	540	300	12.5	24
HE 550 B	199	550	300	15	29
HE 550 M	278	572	306	21	40
HE 600 AA	129	571	300	12	15.5
HE 600 A	178	590	300	13	25
HE 600 B	212	600	300	15.5	30
HE 600 M	285	620	305	21	40
HE 650 AA	138	620	300	12.5	16
HE 650 A	190	640	300	13.5	26
HE 650 B	225	650	300	16	31
HE 650 M	293	668	305	21	40
HE 700 AA	150	670	300	13	17
HE 700 A	204	690	300	14.5	27
HE 700 B	241	700	300	17	32
HE 700 M	301	716	304	21	40

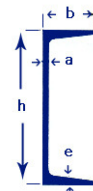
European Wide Flange Beams



Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
HE 800 AA	172	770	300	14	18
HE 800 A	224	790	300	15	28
HE 800 B	262	800	300	17.5	33
HE 800 M	317	814	303	21	40
HE 900 AA	198	870	300	15	20
HE 900 A	252	890	300	16	30
HE 900 B	291	900	300	18.5	35
HE 900 M	333	910	302	21	40
HE 1000 AA	222	970	300	16	21
HE 1000 A	272	990	300	16.5	31
HE 1000 B	314	1000	300	19	36
HE 1000 M	349	1008	302	21	40

MERTON-WILLIAMS
METAL COMPANY





European Small Channels

Section	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
U 30 x 15	1.74	30	15	4.0	4.5
U 40 x 20	2.87	40	20	5.0	5.5
U 40 x 35	4.87	40	35	5.0	7.0
U 50 x 25	3.86	50	25	5.0	6.0
U 50 x 38	5.59	50	38	5.0	7.0
U 60 x 30	5.07	60	30	6.0	6.0
U 65 x 42	7.09	65	42	5.5	7.5
U 70 x 40	6.77	70	40	6.0	6.5

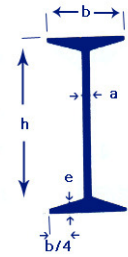
European Standard Channels

Description	Kg/m	Depth of section (D)	Width of section (B)	Thickness of web (t)	Thickness of flange (T)
UPN 80	8.64	80	45	6.0	8.0
UPN 100	10.60	100	50	6.0	8.5
UPN 120	13.40	120	55	7.0	9.0
UPN 140	16.00	140	60	7.0	10.0
UPN 160	18.80	160	65	7.5	10.5
UPN 180	22.00	180	70	8.0	11.0
UPN 200	25.30	200	75	8.5	11.5
UPN 220	29.40	220	80	9.0	12.5
UPN 240	33.20	240	85	9.5	13.0
UPN 260	37.90	260	90	10.0	14.0
UPN 280	41.80	280	95	10.0	15.0
UPN 300	46.20	300	100	10.0	16.0
UPN 320	59.50	320	100	14.0	17.5
UPN 350	60.60	350	100	14.0	16.0
UPN 380	63.10	380	102	13.5	16.0
UPN 400	71.80	400	110	14.0	18.0

AMERICAN STANDARD SHAPES
flange slope: $16^{2/3}\%$

in accordance with ASTM A 6-83

S



Metric Designation h x b x mass		Imperial Designation h x b x weight	Dimensions			
(nominal)	kg/m	(nominal)	h mm	b mm	a mm	e mm
S 75 X 60 X 8.5	8.48	S 3 X 2 ^{3/8} 5.7	76.0	59.0	4.3	6.6
S 100 X 70 X 11.5	11.50	S 4 X 2 ^{5/8} 7.7	101.0	67.0	4.8	7.4
S 200 X 100 X 27.4	27.40	S 8 X 4 X 18.4	203.2	101.6	6.9	10.8
S 250 X 120 X 37.8	37.80	S 10 X 4 ^{5/8} 25.4	254.0	118.4	7.9	12.5
S 310 X 125 X 47.3 52.0	47.30 52.00	S 12 X 5 X 31.8 35.0	304.8 304.8	127.0 129.0	8.9 10.9	13.8 13.8

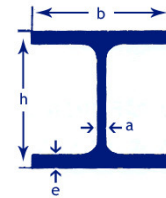
MERTON-WILLIAMS
METAL COMPANY



AMERICAN WIDE FLANGE SHAPES

M4, W 5-W 36 in accordance with ASTM A 6-83

W

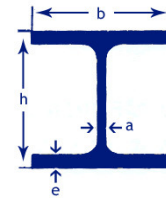


Metric designation h x b x mass (nominal)			Imperial designation h x b x weight (nominal)			Dimensions			
						h mm	b mm	a mm	e mm
M 100	x 100	x 19.3	M 4 x 4	x 13		102	100	6.5	9.4
		x 20.5		13.8		102	102	8	9.4
		x 24.2		16.3		107	100	7.9	12
W 130	x 130	x 23.8	W 5 x 5	x 16		127	127	6.1	9.1
		x 28.1		x 19		131	128	6.9	10.9
W 150	x 150	x 22.5	W 6 x 6	x 15		152	152	5.8	6.6
		x 29.8		x 20		157	153	6.6	9.3
		x 37.1		x 25		162	154	8.1	11.6
W 200	x 135	26.6	W 8 x 5.25	x 18		207	133	5.8	8.4
		x 31.3		x 21		210	134	6.4	10.2
W 200	X 165	x 35.9	W 8 x 6.5	x 24		201	165	6.2	10.2
		x 41.7		x 28		205	166	7.2	11.8
W 200	X 200	x 46.1	W 8 x 8	x 31		203	203	7.2	11
		x 52		x 35		206	204	7.9	12.6
		x 59		x 40		210	205	9.1	14.2
		x 71		x 48		216	206	10.2	17.4
		x 86		x 58		222	209	13	20.6
		x 100		x 67		229	210	14.5	23.7
W 250	X 145	x 32.7	W 10 x 5.75	x 22		258	146	6.1	9.1
		x 38.5		x 26		262	147	6.6	11.2
		x 44.8		x 30		266	148	7.6	13
W 200	X 200	x 49.1	W 10 x 8	x 33		247	202	7.4	11
		x 58		x 39		252	203	8	13.5
		x 67		x 45		257	204	8.9	15.7
W 200	X 250	x 73	W 10 x 10	x 49		253	254	8.6	14.2
		x 80		x 54		256	255	9.4	15.6
		x 89		x 60		260	256	10.7	17.3
		x 101		x 68		264	257	11.9	19.6
		x 115		x 77		269	259	13.5	22.1
		x 131		x 88		275	261	15.4	25.1
		x 149		x 100		282	263	17.3	28.4
		x 167		x 112		289	265	19.2	31.8
W 310	X 165	x 38.7	W 12 x 6.5	x 26		310	165	5.8	9.7
		x 44.5		x 30		313	166	6.6	11.2
		x 52		x 35		317	167	7.6	13.2
W 310	X 250	x 79	W 12 x 10	x 53		306	254	8.8	14.6
		x 86		x 58		310	254	9.1	16.3



AMERICAN WIDE FLANGE SHAPES
M4, W 5-W in accordance with ASTM A 6-83

W

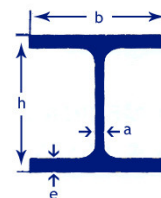


Metric designation h x b x mass (nominal)			Imperial designation H x b x weight (nominal)		Dimensions				
					h mm	b mm	a mm	e mm	
W 310 x 310	x	97	W 12 x 12	x	65	308	305	9.9	15.4
	x	107		x	72	311	306	10.9	17.0
	x	117		x	79	314	307	11.9	18.7
	x	129		x	87	318	308	13.1	20.6
	x	143		x	96	323	309	14.0	22.9
	x	158		x	106	327	310	15.5	25.1
	x	179		x	120	333	313	18.0	28.1
	x	202		x	136	341	315	20.1	31.7
	x	226		x	152	348	317	22.1	35.6
	x	253		x	170	356	319	24.4	39.6
	x	283		x	190	365	322	26.9	44.1
	x	313		x	210	374	325	30.0	48.3
	x	342		x	230	382	328	32.6	52.6
	x	375		x	252	391	330	35.4	57.2
	x	415		x	279	403	334	38.9	62.7
	x	454		x	305	415	336	41.3	68.7
	x	500		x	336	427	340	45.1	75.1
W 360 X 170	x	44.8	W 14 X 10	x	30	352	171	6.9	9.8
	x	51		x	34	355	171	7.2	11.6
	x	57		x	38	358	172	7.9	13.1
W 360 X 250	x	91	W 14 X 10	x	61	353	254	9.5	16.4
	x	101		x	68	357	255	10.5	18.3
	x	110		x	74	360	256	11.4	19.9
	x	122		x	82	363	257	13.0	21.7
W 360 X 370	x	134	W 14 X 14.5	x	90	356	369	11.2	18.0
	x	147		x	99	360	370	12.3	19.8
	x	162		x	109	364	371	13.3	21.8
	x	179		x	120	368	373	15.0	23.9
	x	196		x	132	372	374	16.4	26.2
W 360 X 410	x	216	W 14 X 16	x	145	375	394	17.3	27.7
	x	237		x	159	380	395	18.9	30.2
	x	262		x	176	387	398	21.1	33.3
	x	287		x	193	393	399	22.6	36.6
	x	314		x	211	399	401	24.9	39.6
	x	347		x	233	407	404	27.2	43.7
	x	382		x	257	416	406	29.8	48.0
	x	421		x	283	425	409	32.8	52.6
	x	463		x	311	435	412	35.8	57.4
	x	509		x	342	446	416	39.1	62.7
	x	551		x	370	455	418	42.0	67.6
	x	592		x	398	465	421	45.0	72.3
	x	634		x	426	474	424	47.6	77.1
	x	677		x	455	483	428	51.2	81.5
	x	744		x	500	498	432	55.6	88.9
	x	818		x	550	514	437	60.5	97.0
	x	901		x	605	531	442	65.9	106.0
	x	990		x	665	550	448	71.9	115.0
	x	1086		x	730	569	454	78.0	125.0

AMERICAN WIDE FLANGE SHAPES

M4, W 5-W 36 in accordance with ASTM A 6-83

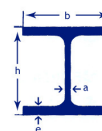
W



Metric designation h x b x mass (nominal)			Imperial designation H x b x weight (nominal)		h mm	Dimensions b a e mm mm mm			
W 410 x 180	x	53	W 16 x 7	x	36	403	177	7.5	10.9
	x	60		x	40	407	178	7.7	12.8
	x	67		x	45	410	179	8.8	14.4
	x	75		x	50	413	180	9.7	16.0
	x	85		x	57	417	181	10.9	18.2
W 410 x 260	x	100	W 16 x 10.25	x	67	415	260	10.0	16.9
	x	114		x	77	420	261	11.6	19.3
	x	132		x	89	425	263	13.3	22.2
	x	149		x	100	431	265	14.9	25.0
W 460 x 190	x	74	W 18 x 7.5	x	50	457	190	9.0	14.5
	x	82		x	55	460	191	9.9	16.0
	x	89		x	60	463	192	10.5	17.7
	x	97		x	65	466	193	11.4	19.0
	x	106		x	71	469	194	12.6	20.6
W 460 x 280	x	113	W 18 x 11	x	76	463	280	10.8	17.3
	x	128		x	86	467	282	12.2	19.6
	x	144		x	97	472	283	13.6	22.1
	x	158		x	106	476	284	15.0	23.9
	x	177		x	119	482	286	16.6	26.9
W 530 x 165	x	66	W 21 x 6.5	x	44	525	165	8.9	11.4
	x	74		x	50	529	166	9.7	13.6
	x	85		x	57	535	166	10.3	16.5
W 530 x 210	x	92	W 21 x 8.25	x	62	533	209	10.2	15.6
	x	101		x	68	537	210	10.9	17.4
	x	109		x	73	539	211	11.6	18.8
	x	123		x	83	544	212	13.1	21.2
	x	138		x	93	549	214	14.7	23.6
W 530 x 315	x	150	W 21 x 12.25	x	101	543	312	12.7	20.3
	x	165		x	111	546	313	14.0	22.2
	x	182		x	122	551	315	15.2	24.4
	x	196		x	132	554	316	16.5	26.3
	x	219		x	147	560	318	18.3	29.2
W 610 x 180	x	82	W 24 x 7	x	55	599	178	10.0	12.8
	x	92		x	62	603	179	10.9	15.0
W 610 x 230	x	101	W 24 x 9	x	68	603	228	10.5	14.9
	x	113		x	76	608	228	11.2	17.3
	x	125		x	84	612	229	11.9	19.6
	x	140		x	94	617	230	13.1	22.2
W 610 x 325	x	155	W 24 x 12.75	x	104	611	324	12.7	19.0
	x	174		x	117	616	325	14.0	21.6
	x	195		x	131	622	327	15.4	24.4
	x	217		x	146	628	328	16.5	27.7
	x	241		x	162	635	329	17.9	31.0

AMERICAN WIDE FLANGE SHAPES

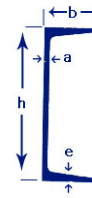
W



Metric designation h x b x mass (nominal)			Imperial designation h x b x weight (nominal)			Dimensions			
						h mm	b mm	a mm	e mm
W 690 x 250	x	125	W 27 x 10	x	84	678	253	11.7	16.3
	x	140		x	94	684	254	12.4	18.9
	x	152		x	102	688	254	13.1	21.1
	x	170		x	114	693	256	14.5	23.6
W 690 x 360	x	217	W 27 x 14	x	146	695	355	15.4	24.8
	x	240		x	161	701	356	16.8	27.4
	x	265		x	178	706	358	18.4	30.2
W 760 x 265	x	147	W 30 x 10.5	x	99	753	265	13.2	17.0
	x	161		x	108	758	266	13.8	19.3
	x	172		x	116	762	267	14.4	21.6
	x	185		x	124	766	267	14.9	23.6
	x	196		x	132	770	268	15.6	25.4
W 760 x 380	x	257	W 30 x 15	x	173	773	381	16.6	27.1
	x	284		x	191	779	382	18.0	30.1
	x	314		x	211	786	384	19.7	33.4
W 840 x 295	x	176	W 33 x 11.5	x	118	835	292	14.0	18.8
	x	193		x	130	840	292	14.7	21.7
	x	210		x	141	846	293	15.4	24.4
	x	226		x	152	851	294	16.1	26.8
W 840 x 405	x	299	W 33 x 15.75	x	201	855	400	18.2	29.2
	x	329		x	221	862	401	19.7	32.4
	x	359		x	241	868	403	21.1	35.6
W 920 x 310	x	201	W 36 x 12	x	135	903	304	15.2	20.1
	x	223		x	150	911	304	15.9	23.9
	x	238		x	160	915	305	16.5	25.9
	x	253		x	170	919	306	17.3	27.9
	x	271		x	182	923	307	18.4	30.0
	x	289		x	194	927	308	19.4	32.0
	x	313		x	210	932	309	21.1	34.5
W 920 x 420	x	342	W 36 x 16.5	x	230	912	418	19.3	32.0
	x	365		x	245	916	419	20.3	34.3
	x	387		x	260	921	420	21.3	36.6
	x	417		x	280	928	422	22.5	39.9
	x	446		x	300	933	423	24.0	42.7
W 10000 x 300	x	222	W 40 x 12	x	149	970	300	16.0	21.0
	x	249		x	167	980	300	16.5	26.0
	x	272		x	183	990	300	16.5	31.0
	x	314		x	211	1000	300	19.0	36.0
	x	349		x	235	1008	302	21.0	4.0
W 10000 x 400	x	258	W 40 x 16	x	174	970	400	16.5	21.0
	x	296		x	199	982	400	16.5	27.0
	x	321		x	215	990	400	16.5	31.0
	x	371		x	249	1000	400	19.0	36.0
	x	412		x	277	1008	402	21.0	40.0
W 10000 x 450	x	286	W 40 x 18	x	192	970	450	18.0	21.0
	x	328		x	221	982	450	18.0	27.0
	x	363		x	244	992	450	18.0	32.0
	x	399		x	268	1000	451	19.0	36.0
	x	444		x	298	1008	453	21.0	40.0
	x	488		x	328	1016	455	23.0	44.0

AMERICAN STANDARD 'C' SHAPES

C



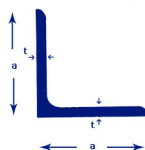
Metric designation h x b x mass (nominal)		Imperial designation h x b x weight (nominal)		Dimensions			
				h mm	b mm	a mm	e mm
C 150 x 51 x	12.2	C 6 x 2 x	8.20	152.4	48.8	5.1	8.7
	15.6		10.50	152.4	51.7	8.0	8.7
	19.3		13.00	152.4	54.8	11.1	8.7
C 180 x 54 x	14.6	C 7 x 2 ¹ / ₈ x	9.80	177.8	53.1	5.3	9.3
	18.2		12.25	177.8	55.7	8.0	9.3
	22.0		14.75	177.8	58.4	10.6	9.3
C 200 x 57 x	17.1	C 8 x 2 ¹ / ₄ x	11.50	203.2	57.4	5.6	9.9
	20.5		13.75	203.2	59.5	7.7	9.9
	30.0		18.75	203.2	64.3	12.4	9.9
C 230 x 64 x	19.9	C 9 x 2 ¹ / ₂ x	13.40	228.6	61.7	5.8	10.5
	22.0		15.00	228.6	63.1	7.2	10.5
	30.0		20.00	228.6	67.3	11.4	10.5
C 250 x 67 x	22.8	C 10 x 2 ⁵ / ₈ x	15.30	254.0	66.0	6.1	11.1
	30.0		20.00	254.0	69.5	9.6	11.1
	37.0		25.00	254.0	73.3	13.4	11.1
	45.0		30.00	254.0	77.0	17.1	11.1
C 310 x 76 x	30.8	C 12 x 3 x	20.70	304.8	74.4	7.1	12.7
	37.0		25.00	304.8	77.4	9.8	12.7
	45.0		30.00	304.8	80.5	12.9	12.7
C 380 x 86 x	50.4	C 15 x 3 ³ / ₈ x	33.90	381.0	86.4	10.2	16.5
	60.0		40.00	381.0	89.4	13.2	16.5
	74.0		50.00	381.0	94.4	18.2	16.5

MERTON-WILLIAMS
METAL COMPANY



EQUAL ANGLES

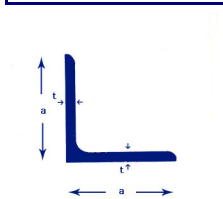
Size Thickness		kg/m
A	t	
20 x 20 x 2		0.60
20 x 20 x 2.5		0.74
20 x 20 x 3		0.88
20 x 20 x 4		1.14
25 x 25 x 2		0.76
25 x 25 x 2.5		0.94
25 x 25 x 3		1.12
25 x 25 x 4		1.45
25 x 25 x 4.5		1.62
25 x 25 x 5		1.77
25 x 25 x 6		2.08
30 x 30 x 2		0.93
30 x 30 x 2.5		1.15
30 x 30 x 3		1.37
30 x 30 x 3.5		1.53
30 x 30 x 4		1.78
30 x 30 x 5		2.18
30 x 30 x 6		2.57
35 x 35 x 2.5		1.34
35 x 35 x 3		1.60
35 x 35 x 3.5		1.87
35 x 35 x 4		2.10
35 x 35 x 4.5		2.33
35 x 35 x 5		2.57
35 x 35 x 6		3.04



Size Thickness		kg/m
A	t	
38 x 38 x 2.5		1.49
38 x 38 x 3		1.75
38 x 38 x 4		2.28
38 x 38 x 5		2.82
38 x 38 x 6		3.33
40 x 40 x 3		1.84
40 x 40 x 3.5		2.15
40 x 40 x 4		2.42
		2.97
40 x 40 x 6		3.52
40 x 40 x 7		4.04
40 x 40 x 8		4.55
45 x 45 x 3		1.84
45 x 45 x 4		2.74
45 x 45 x 4.5		3.06
45 x 45 x 5		3.38
45 x 45 x 6		4.00
45 x 45 x 7		4.52
45 x 45 x 8		5.19
50 x 50 x 3		2.36
50 x 50 x 4		3.07
50 x 50 x 4.5		3.41
50 x 50 x 5		3.77
50 x 50 x 6		4.47
50 x 50 x 7		5.15
50 x 50 x 8		5.82
50 x 50 x 9		6.47
50 x 50 x 10		7.06

EQUAL ANGLES

Size Thickness		kg/m
A	t	
55 x 55 x 4		3.37
55 x 55 x 5		4.18
55 x 55 x 5.5		4.57
55 x 55 x 6		4.95
55 x 55 x 8		6.46
55 x 55 x 10		7.90
60 x 60 x 4		3.70
60 x 60 x 5		4.57
60 x 60 x 6		5.42
60 x 60 x 7		6.25
60 x 60 x 8		7.09
60 x 60 x 10		8.69
65 x 65 x 5		4.95
65 x 65 x 6		5.91
65 x 65 x 7		6.83
65 x 65 x 8		7.72
65 x 65 x 9		8.62
65 x 65 x 10		9.49
65 x 65 x 11		10.34
70 x 70 x 5		5.37
70 x 70 x 6		6.38
70 x 70 x 7		7.38
70 x 70 x 8		8.36
70 x 70 x 9		9.34
70 x 70 x 11		11.23

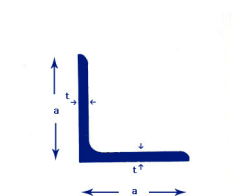


Size Thickness		kg/m
A	t	
75 x 75 x 5		5.76
75 x 75 x 6		6.86
75 x 75 x 7		7.94
75 x 75 x 8		9.03
75 x 75 x 10		11.07
75 x 75 x 12		13.10
80 x 80 x 6		7.30
80 x 80 x 8		9.66
80 x 80 x 9		10.80
80 x 80 x 10		11.90
80 x 80 x 12		14.05
80 x 80 x 14		16.10
90 x 90 x 6		8.25
90 x 90 x 8		10.90
90 x 90 x 9		12.17
90 x 90 x 10		13.45
90 x 90 x 11		14.68
90 x 90 x 12		15.93
90 x 90 x 13		17.11
90 x 90 x 16		20.76
100 x 100 x 6		9.30
100 x 100 x 8		12.18
100 x 100 x 10		15.07
100 x 100 x 12		17.82
100 x 100 x 14		20.57
100 x 100 x 15		21.90
100 x 100 x 16		23.30

EQUAL ANGLES

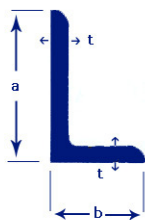
Size Thickness		kg/m
A	t	
110 x 110 x 8		13.40
110 x 110 x 10		16.60
110 x 110 x 12		19.70
110 x 110 x 14		22.80
110 x 110 x 16		25.80
120 x 120 x 8		14.70
120 x 120 x 10		18.20
120 x 120 x 11		20.81
120 x 120 x 12		21.60
120 x 120 x 13		23.30
120 x 120 x 15		26.60
120 x 120 x 18		31.60
130 x 130 x 8		15.90
130 x 130 x 10		19.70
130 x 130 x 12		23.60
130 x 130 x 14		27.20
130 x 130 x 16		30.90
130 x 130 x 19		36.20
140 x 140 x 13		27.50
140 x 140 x 15		31.40
140 x 140 x 16		33.40
140 x 140 x 17		35.30
140 x 140 x 19		39.10
140 x 140 x 20		41.00

Size Thickness		kg/m
A	t	
150 x 150 x 10		23.00
150 x 150 x 12		27.30
150 x 150 x 14		31.60
150 x 150 x 15		33.80
150 x 150 x 16		35.90
150 x 150 x 18		40.10
150 x 150 x 20		44.60
160 x 160 x 15		36.20
160 x 160 x 17		40.70
160 x 160 x 19		45.10
180 x 180 x 15		40.90
180 x 180 x 16		43.50
180 x 180 x 18		48.60
180 x 180 x 20		53.70
200 x 200 x 15		45.60
200 x 200 x 16		48.50
200 x 200 x 18		54.20
200 x 200 x 20		59.90
200 x 200 x 22		65.60
200 x 200 x 24		71.10
250 x 250 x 25		93.60
250 x 250 x 28		104.00
250 x 250 x 32		118.00
250 x 250 x 35		128.00



UNEQUAL ANGLES

Size Thickness		kg/m
A	t	
30 x 20 x 3		1.12
30 x 20 x 4		1.46
30 x 20 x 5		1.77
40 x 20 x 3		1.35
40 x 20 x 4		1.77
40 x 20 x 5		2.17
40 x 20 x 6		2.56
45 x 30 x 3		1.71
45 x 30 x 4		2.25
45 x 30 x 5		2.77
50 x 40 x 3		2.06
50 x 40 x 4		2.72
50 x 40 x 5		3.35
50 x 40 x 6		3.98
60 x 30 x 3		2.06
60 x 30 x 5		3.37
60 x 30 x 6		3.98
60 x 30 x 7		4.59
60 x 40 x 3		2.33
60 x 40 x 4		3.05
60 x 40 x 5		3.76
60 x 40 x 6		4.46
60 x 40 x 7		5.14

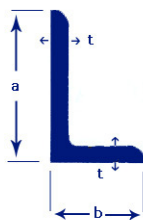


Size Thickness		kg/m
A	t	
65 x 50 x 5		4.35
65 x 50 x 6		5.16
65 x 50 x 7		5.96
65 x 50 x 8		6.76
65 x 50 x 9		7.52
75 x 50 x 5		4.74
75 x 50 x 6		5.64
75 x 50 x 6.5		6.10
75 x 50 x 7		6.54
75 x 50 x 8		7.40
75 x 50 x 9		8.24
75 x 50 x 10		8.97
75 x 55 x 5		4.85
75 x 55 x 7		6.80
75 x 55 x 9		8.59
75 x 65 x 6		6.37
75 x 65 x 8		8.34
75 x 65 x 10		10.30
80 x 40 x 6		5.40
80 x 40 x 7		6.20
80 x 40 x 8		7.08
80 x 60 x 6		6.37
80 x 60 x 7		7.36
80 x 60 x 8		8.34

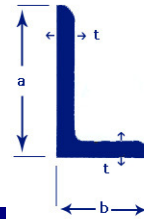
UNEQUAL ANGLES

Size Thickness		kg/m
A	t	
90 x 65 x 6		7.09
90 x 65 x 8		9.30
90 x 65 x 10		11.45
90 x 75 x 6.5		8.14
90 x 75 x 7		8.74
90 x 75 x 9		11.10
90 x 75 x 12.5		15.25
100 x 50 x 6		6.85
100 x 50 x 8		8.99
100 x 50 x 10		11.10
100 x 50 x 12		13.10
100 x 65 x 6.5		8.17
100 x 65 x 7		8.77
100 x 65 x 8		9.94
100 x 65 x 9		11.10
100 x 65 x 10		12.30
100 x 65 x 11		13.40
100 x 75 x 6.5		8.70
100 x 75 x 7		9.30
100 x 75 x 8		10.60
100 x 75 x 9		11.80
100 x 75 x 10		13.00
100 x 75 x 11		14.30
100 x 75 x 12		15.40

Size Thickness		kg/m
A	t	
120 x 80 x 8		12.20
120 x 80 x 10		15.00
120 x 80 x 12		17.80
120 x 80 x 14		20.50
125 x 75 x 6.5		9.98
125 x 75 x 8		12.20
125 x 75 x 10		15.00
125 x 75 x 12		17.80
130 x 65 x 8		11.80
130 x 65 x 10		14.60
130 x 65 x 12		17.30
150 x 75 x 9		15.30
150 x 75 x 10		17.00
150 x 75 x 11		18.60
150 x 75 x 12		20.20
150 x 75 x 13		21.70
150 x 75 x 15		24.80
150 x 90 x 9		16.70
150 x 90 x 10		18.20
150 x 90 x 12		21.60
150 x 90 x 15		26.60
150 x 90 x 18		31.70



UNEQUAL ANGLES



Size Thickness			kg/m
A	b	t	
150	100	10	19.00
150	100	12	22.60
150	100	14	26.10
150	100	15	27.80
160	80	10	18.20
160	80	12	21.60
160	80	14	25.00
200	100	10	23.00
200	100	12	27.30
200	100	14	31.60
200	100	15	33.70
200	100	16	35.90
200	150	12	32.00
200	150	15	39.60
200	150	18	47.10

MERTON-WILLIAMS
METAL COMPANY



BULB FLATS



Width b mm	Thickness t mm	Bulb Height c mm	Mass per metre kg/m
120	6	17	7.31
	7	17	8.25
	8	17	9.19
140	6.5	19	9.21
	7	19	9.74
	8	19	10.83
	10	19	13.03
160	7	22	11.4
	8	22	12.7
	9	22	14.0
	11.5	22	17.3
180	8	25	14.8
	9	25	16.2
	10	25	17.6
	11.5	25	19.7
200	8.5	28	17.8
	9	28	18.5
	10	28	20.1
	11	28	21.7
	12	28	23.2
220	9	31	21.0
	10	31	22.8
	11	31	24.5
	12	31	26.2
240	9.5	34	24.4
	10	34	25.4
	11	34	27.4
	12	34	29.3
260	10	37	28.3
	11	37	30.3
	12	37	32.4

Width b mm	Thickness t mm	Bulb Height c mm	Mass per metre kg/m
280	10.5	40	32.4
	11	40	33.5
	12	40	35.7
	13	40	37.9
300	11	43	36.7
	12	43	39.0
	13	43	41.5
320	11.5	46	41.2
	12	46	42.5
	13	46	45.0
	14	46	47.5
340	12	49	46.1
	13	49	48.8
	14	49	51.5
	15	49	54.2
370	12.5	53.5	53.1
	13	53.5	54.6
	14	53.5	57.5
	15	53.5	60.5
	16	53.5	63.5
400	13	58	60.8
	14	58	63.9
	15	58	67.0
	16	58	70.2
430	14	62.5	70.6
	15	62.5	73.9
	17	62.5	80.6
	20	62.5	90.8



FLATS
Weight Kilograms Per Metre



		THICKNESS																	
WIDTH	mm	3	5	6	8	10	12	15	20	25	30	35	40	45	50	60	65	75	80
	10	0.24	0.39																
	12	0.28	0.47	0.57	0.75	0.94													
	16	0.38	0.63	0.75							PLEASE ASK IF SIZE YOU REQUIRE IS NOT SHOWN HERE.								
	20	0.47	0.78	0.94	1.26	1.57	1.89												
	25	0.59	0.98	1.18	1.57	1.96	2.36	2.94	3.93										
	30	0.71	1.18	1.41	1.88	2.36	2.83	3.53	4.71	5.89									
	35		1.37	1.65	2.20	2.75	3.30	4.12	5.50	6.87									
	40	.94	1.57	1.88	2.51	3.14	3.77	4.71	6.26	7.85	9.42	11.0							
	45	1.06	1.77	2.12	2.83	3.53	4.24	5.30	7.07	8.83	10.6	12.3							
	50	1.18	1.96	2.36	3.14	3.93	4.71	5.89	7.85	9.81	11.8	13.7	15.7						
	55		2.16	2.59	3.45	4.32	5.18	6.48	8.64	10.8	13.0	15.1	17.2						
60	1.41	2.36	2.83	3.77	4.71	5.65	7.07	9.42	11.8	14.1	16.5	18.8	23.6	23.6					
65	1.53	2.55	3.06	4.08	5.10	6.12	7.65	10.2	12.8	15.3	17.9	20.4	23.0	25.5					



FLATS
Weight Kilograms Per Metre



THICKNESS

WIDTH	mm	3	5	6	8	10	12	15	20	25	30	35	40	45	50	60	65	75	80
	70	1.65	2.75	3.30	4.40	5.50	5.69	8.24	11.0	13.7	16.5	19.2	22.0	24.7	27.5				
	75		2.94	3.53	4.71	5.89	7.07	8.83	11.8	14.7	17.7	20.6	23.6	26.5	29.4	35.2	38.3		
	80	1.88	3.14	3.77	5.02	6.28	7.54	9.42	12.6	15.7	18.8	22.0	25.1	28.3	31.4	37.6	40.8		
	90		3.53	4.24	5.65	7.07	8.48	10.6	14.1	17.7	21.2	24.7	28.3	31.8	35.3	42.4	45.9		
	100	2.36	3.93	4.71	6.28	7.85	9.42	11.8	15.7	19.6	23.6	27.5	31.4	35.3	39.3	47.1	51.0	58.9	
	110		4.32	5.18	6.91	8.64	10.4	13.0	17.3	21.6	25.9	30.2	34.5	38.9	43.2	51.8	56.1		
	120		4.71	5.65	7.54	9.42	11.3	14.1	18.8	23.6	28.3	33.0	37.7	42.2	47.1	56.5	61.2		
	130	3.06	5.10	6.12	8.16	10.2	12.2	15.3	20.4	25.5	30.6	35.3	40.8	45.9	51.0	61.2	66.3		
	140		5.50	6.60	8.79	11.0	13.2	16.5	22.0	27.5	33.0	38.4	44.0	49.4	55.0	65.9			
	150	3.53	5.89	7.05	9.42	11.8	14.1	17.7	23.6	29.4	35.3	41.2	47.1	53.0	58.9	70.7			
	180			8.48	11.30	14.13	16.96	21.20	28.26	35.33	42.39		56.52		70.65				
	200			9.42	12.56	15.70	18.84	23.55	31.40	39.25	47.10		62.80		78.50				
	220			10.36	13.82	17.27	20.72	25.91	34.54	43.18	51.81		69.08		86.35				
	250			11.78	15.70	19.63	23.55	29.44	39.25	49.06	58.88		78.50		98.13				157.00
	300		11.78	14.13	18.84	23.55	28.26	35.33	47.10	58.88	70.65		94.20		117.75				

SQUARE BAR



Size in mm	Weight per metre kgs
5.0	0.196
6.0	0.282
8.0	0.502
10.0	0.785
11.5	1.038
12.0	1.130
14.5	1.650
15.0	1.766
16.0	2.009
17.5	2.404
20.0	3.140
22.5	3.974
25.0	4.906
28.5	6.376
30.0	7.065
35.0	9.616
38.0	11.335
40.0	12.560
45.0	15.896
50.0	19.625

Size in mm	Weight per metre kgs
55.0	23.746
60.0	28.260
65.0	33.166
70.0	38.465
75.0	44.156
80.0	50.240
85.0	56.716
90.0	63.585
95.0	70.846
100.0	78.500
105.0	86.546
110.0	94.985
120.0	113.040
130.0	132.670
140.0	153.860
150.0	176.630

MERTON-WILLIAMS
METAL COMPANY



ROUND BAR



Size in mm Dia	Weight per metre kgs	Size in mm Dia	Weight per metre kgs	Size in mm Dia	Weight per metre kgs	Size in mm Dia	Weight per metre kgs
5	0.154	25	3.853	67	27.676	155	148.12
6	0.221	27	4.494	70	30.210	160	157.83
7	0.302	29	5.185	75	34.680	170	178.18
8	0.394	30	5.548	80	39.458	180	199.76
9	0.499	32	6.313	85	44.545		
10	0.616	35	7.552	90	49.940	190	222.57
11	0.746	38	8.902	95	55.642	200	246.61
12	0.887	40	9.864	100	61.654	210	271.89
13	1.041	42	10.876	105	67.973	220	298.40
14	1.208						
15	1.387	45	12.485	110	74.601	230	326.15
16	1.578	48	14.205	115	81.537	240	355.13
17	1.781	50	15.413	120	88.781	250	385.34
18	1.997	55	18.650	125	96.334	260	416.78
19	2.225						
20	2.466	58	20.740	130	104.19	270	449.46
21	2.718	60	22.195	135	112.36	280	483.37
22	2.984	61	22.941	140	120.84	290	518.51
23	3.261	63	24.470	150	138.72	300	544.40
24	3.551	65	26.049			320	631.33

MERTON-WILLIAMS
METAL COMPANY



TEE SECTION



Size mm	kg/m
20x20x4	1.13
25x25x3	1.19
25x25x4.5	1.78
30x30x3	1.60
30x30x4	1.76
30x30x5	2.16
35x35x4.5	3.35
35x35x5.5	2.85
40x40x4	2.49
40x40x5	2.96
40x40x6	3.49
45x45x5.5	3.61
45x45x6.5	4.26
50x50x6	4.76
50x50x7	5.11
60x60x7	6.25
60x60x8	7.10
70x70x8	8.35
80x80x10	11.85

FLOOR PLATES

Weight in Kilograms per Plate - Tear Drop Pattern

MERTON-WILLIAMS
METAL COMPANY



PLATE SIZE (mm)	THICKNESS (O/P) ON PLAIN					
	3mm	4.5mm	6mm	8mm	10mm	12.5mm
Weight Per Square Metre	26.19k	37.97k	49.74k	65.44k	81.14k	100.77k
2000 x 1000	53	76	100	131	163	202
2500 x 1250	82	119	156	205	254	315
3000 x 1500	118	171	224	295	366	454
4000 x 1750	184	266	349	459	568	706
4000 x 2000	210	304	398	524	649	806
6000 x 2000	314	456	597	785	974	1209



STEEL SHEETS AND PLATES

MERTON-WILLIAMS
METAL COMPANY



Thickness mm	2000mm x 1000mm	2500mm x 1250mm	3000mm x 1500mm	6000mm x 2000mm	8000mm x 2000mm	10,000mm x 2,500mm	12,000mm x 3000mm
0.4	6	10					
0.5	8	13					
0.6	10	15					
0.7	11	18					
0.8	13	20					
0.9	14	23					
1.0	16	25					
1.2	19	30					
1.6	26	40	58				
2.0	32	50	72				
2.5	40	63	90				
3.0	48	75	108	288	384	600	
4.0	64	100	144	384	512	800	
5.0	80	125	180	480	640	1000	
6.0	96	150	216	576	768	1200	
7.0	112	175	252	672	896	1400	2016
8.0	128	200	288	768	1024	1600	2304
9.0	144	225	324	864	1152	1800	2592
10.0	160	250	360	960	1280	2000	2880
12.0	192	300	432	1152	1536	2400	3456

STEEL SHEETS AND PLATES

MERTON-WILLIAMS
METAL COMPANY



Thickness mm	2000mm x 1000mm	2500mm x 1250mm	3000mm x 1500mm	6000mm x 2000mm	8000mm x 2000mm	10,000mm x 2,500mm	12,000mm x 3000mm
12.5	200	313	450	1200	1600	2500	3600
15.0	240	375	540	1440	1920	3000	4320
20.0	320	500	720	1920	2560	4000	5760
25.0	400	625	900	2400	3200	5000	
30.0	480	750	1080	2880	3840		
35.0	560	875	1260	3660	4480		
40.0	640	1000	1440	3840	5120		
45.0	720	1125	1620	4320			
50.0	800	1250	1800	4800			
55.0	880	1375	1980				
60.0	960	1500	2160				
65.0	1040	1625	2340		Subject to quantity we are able to specially produce plate sizes to meet your exact requirements.		
70.0	1120	1750	2520				
75.0	1200	1875	2700				
80.0	1280	2000	2880				
85.0	1360	2125	3060				
95.0	1520	2375	3420				
100.0	1600	2500	3600				
120.0	1920	3000	4320				
140.0	2240	3500	5040				
160.0	2560	4000					
180.0	2880	4500					
200.0	3220	5000					
220.0	3540	5500					

OPEN MESH FLOORING

MERTON-WILLIAMS
METAL COMPANY



SECTION mm	TYPE			
	41/100 Kg/m	41/50 Kg/m	30/100 Kg/m	30/50 Kg/m
30x3	13.44	15.25	17.70	19.50
25x3	16.39	18.19	21.64	23.44
30x3	19.34	21.14	25.73	27.54
40x3	25.25	27.05	33.61	35.40
20x5	21.31	23.11	28.36	30.16
25x5	26.22	28.03	35.08	36.88
30x5	31.15	32.95	41.63	43.44
35x5	36.06	37.87	48.36	50.16
40x5	40.98	42.78	55.08	56.88
45x5	45.90	47.70	61.64	63.44
50x5	50.82	52.62	68.36	70.16
55x5	55.74	57.37	75.08	76.88
60x5	60.65	62.29	81.63	83.44

Standard Panel Sizes = 6000mm x 1000mm
1000mm x 1000mm

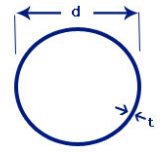
Other types available upon request.
Flooring can be supplied fabricated to customer specifications.
Self colour and galvanised available.

CIRCULAR HOLLOW SECTIONS

Outside Dia mm	Thickness t mm	Mass M kg/m
21.3	3.2	1.43
26.9	3.2	1.87
33.7	2.6	1.99
	3.2	2.41
	4.0	2.93
42.4	2.6	2.55
	3.2	3.09
	4.0	3.79
48.3	3.2	3.56
	4.0	4.37
	5.0	5.34
60.3	3.2	4.51
	4.0	5.55
	5.0	6.82
76.1	3.2	5.75
	4.0	7.11
	5.0	8.77
88.9	3.2	6.76
	4.0	8.38
	5.0	10.3
114.3	3.6	9.83
	5.0	13.5
	6.3	16.8
139.7	5.0	16.6
	6.3	20.7
	8.0	26.0
	10.0	32.0
168.3	5.0	20.1
	6.3	25.2
	8.0	31.6
	10.0	39.0

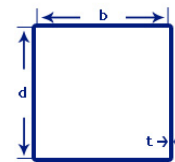
Outside Dia mm	Thickness t mm	Mass M kg/m
193.7	5.0	23.3
	6.3	29.1
	8.0	36.6
	10.0	45.3
	12.5	55.9
219.1	16.0	70.1
	5.0	26.4
	6.3	33.1
	8.0	41.6
	10.0	51.6
244.5	12.5	63.7
	16.0	80.1
	20.0	98.2
	6.3	37.0
	8.0	46.7
273	10.0	57.8
	12.5	71.5
	16.0	90.2
	20.0	111
	6.3	41.4
	8.0	52.3
	10.0	64.9
	12.5	80.3
	16.0	101
	20.0	125
	25.0	153

MERTON-WILLIAMS
METAL COMPANY



Outside Dia mm	Thickness t mm	Mass M kg/m
323.9	6.3	49.3
	8.0	62.3
	10.0	77.4
	12.5	96.0
	16.0	121
	20.0	150
355.6	25.0	184
	8.0	68.6
	10.0	85.2
	12.5	106
	16.0	134
406.4	20.0	186
	25.0	204
	10.0	97.8
	12.5	121
	16.0	154
457	20.0	191
	25.0	235
	32.0	295
	10.0	110
	12.5	137
508	16.0	174
	20.0	216
	25.0	266
	32.0	335
	40.0	411
	10.0	123
	12.5	153
	16.0	194

SQUARE HOLLOW SECTIONS

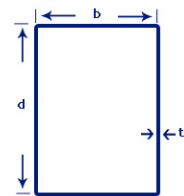


Size D x B mm	Thickness T mm	Mass M kg/m
20 X 20	2.0	1.12
	2.5	1.35
25 X 25	2.0	1.43
	2.5	1.74
	3.0	2.04
	3.2	2.15
30 X 30	2.5	2.14
	3.0	2.51
	3.2	2.65
40 X 40	2.5	2.92
	3.0	3.45
	3.2	3.66
	4.0	4.46
	5.0	5.40
50 X 50	2.5	3.71
	3.0	4.39
	3.2	4.66
	4.0	5.72
	5.0	6.97
60 X 60	3.0	5.34
	3.2	5.67
	4.0	6.97
	5.0	8.54
	6.3	10.50
70 X 70	3.0	6.28
	3.6	7.46
	5.0	10.10
	6.3	12.50
	8.0	15.30
80 X 80	3.0	7.22
	3.6	8.59
	5.0	11.70
	6.3	14.40
90 X 90	3.6	
	5.0	13.30
	6.3	16.40
	8.0	20.40
100 X 100	4.0	12.0
	5.0	14.8
	6.3	18.4
	8.0	22.9
	10.0	27.9

Size D x B mm	Thickness T mm	Mass M kg/m
120 x 120	5.0	18.0
	6.3	22.3
	8.0	27.9
	10.0	34.2
	12.5	41.6
140 x 140	5.0	21.1
	5.6	23.5
	6.3	26.3
	7.1	29.4
	8.0	32.9
150 x 150	10.0	40.4
	12.5	49.5
	5.0	22.7
	6.3	28.3
	8.0	35.4
180 x 180	10.0	43.6
	12.5	53.4
	16.0	66.4
	6.3	34.2
	8.0	43.0
200 x 200	10.0	53.0
	12.5	65.2
	16.0	81.4
	6.3	38.2
	8.0	48.0
250 x 250	10.0	59.3
	12.5	73.0
	16.0	91.5
	6.3	48.1
	8.0	60.5
300 x 300	10.0	75.0
	12.5	92.6
	16.0	117.0
	10.0	90.7
	12.5	112.0
350 x 350	16.0	142.0
	10.0	106.0
	12.5	132.0
	16.0	167.0
400 x 400	10.0	122.0
	12.5	152.
	16.0	0192.0

RECTANGULAR HOLLOW SECTIONS

Size D x B mm	Thickness T mm	Mass M kg/m
50 X 25	2.5	2.72
	3.0	3.22
	3.2	3.41
50 X 30	2.5	2.92
	3.0	3.45
	3.2	3.66
	4.0	4.46
	5.0	5.40
60 X 40	2.5	3.71
	3.0	4.39
	3.2	4.66
	4.0	5.72
	5.0	6.97
	6.3	8.49
80 X 40	3.0	5.34
	3.2	5.67
	4.0	6.97
	5.0	8.54
	6.3	10.50
	8.0	12.80
90 X 50	3.0	6.28
	3.6	7.46
	5.0	10.10
	6.3	12.50
	8.0	15.30
100 X 60	3.0	6.75
	3.2	7.18
	4.0	8.86
	5.0	10.90
	6.3	13.40
	8.0	16.60
100 X 60	3.0	7.22
	3.6	8.59
	5.0	11.70
	6.3	14.40
	8.0	17.80



Size D x B mm	Thickness T mm	Mass M kg/m
120 X 60	3.6	9.72
	5.0	13.30
	6.3	16.40
	8.0	20.40
120 X 80	5.0	14.80
	6.3	18.40
	8.0	22.90
	10.0	27.90
150 X 100	5.0	18.70
	6.3	23.30
	8.0	29.10
	10.0	35.70
	12.5	43.60
160 X 80	5.0	18.00
	6.3	22.30
	8.0	27.90
	10.0	34.20
	12.5	41.60
200 X 100	5.0	22.70
	6.3	28.30
	8.0	35.40
	10.0	43.60
	12.5	53.40
	16.0	66.40
250 X 150	6.3	38.20
	8.0	48.00
	10.0	59.30
	12.5	73.00
	16.0	91.50
300 X 200	6.3	48.10
	8.0	60.50
	10.0	75.00
	12.5	92.60
	16.0	117.00
400 X 200	10.0	90.70
	12.5	112.00
	16.0	142.00
450 X 250	10.0	106.00
	12.5	132.00
	16.0	167.00

MERTON-WILLIAMS
METAL COMPANY



Gauge Table

MERTON-WILLIAMS
METAL COMPANY



Gauge No.	SWG Inches	SWG Mm	BG Inches	BWG Inches	USG inches
0	.324	8.230	.3964	.340	-
1	.300	7.620	.3532	.300	-
2	.276	7.010	.3147	.284	-
3	.252	6.401	.2804	.259	.2391
4	.232	5.893	.250	.238	.2242
5	.212	5.385	.2225	.220	.2092
6	.192	4.877	.1981	.203	.1943
7	.176	4.470	.1764	.180	.1793
8	.160	4.064	.157	.165	.1644
9	.144	3.658	.1398	.148	.1495
10	.128	3.251	.125	.134	.1345
11	.116	2.946	.113	.120	.1196
12	.104	2.642	.0991	.109	.1046
13	.092	2.337	.0882	.095	.0897
14	.080	2.032	.0785	.083	.0747
15	.072	1.829	.0699	.072	.0673
16	.064	1.626	.0625	.065	.0598
17	.056	1.422	.0556	.058	.0538
18	.048	1.219	.0495	.049	.0478
19	.040	1.016	.0440	.042	.0418
20	.036	0.914	.0392	.035	.0359
21	.032	0.813	.0349	.032	.0329
22	.028	0.711	.03125	.028	.0299
23	.024	0.610	.02782	.025	.0269
24	.022	0.559	.02476	.022	.0239
25	.020	0.508	.02204	.020	.0209
26	.018	0.457	.01961	.018	.0179
27	.0164	0.4166	.01745	.016	.0164
28	.0148	0.3759	.015625	.014	.0149
29	0.136	0.3454	.0139	.013	.0135
30	.0124	0.3150	.0123	.012	.0120
31	.0116	0.2946	.011	.010	.0105
32	.0108	0.2743	.0098	.009	.0097
33	.0100	0.254	.0087	.008	.0090
34	.0092	0.2369	.0077	.007	.0082
35	.0084	0.2134	.0069	.005	.0075
36	.0076	0.1930	-	.004	-

MERTON-WILLIAMS
METAL COMPANY



PRODUCT GUIDE

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