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PHONE (07) 3890 2637

FAX (07) 3890 2759

**913 LYTTON ROAD
MURARRIE QLD 4172**

**PO BOX 3511
TINGALPA CD QLD 4173**

**E-mail danny@usmt.com.au
www.unitedmetals.com.au**

ABN 82 114 818 870

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Flat Bar



Item Name	Length/M	KG/M	TRUE WEIGHT Does not include rolling tolerance.
10 X 3 Flat Bar	4	0.236	
13 X 3 Flat Bar	4	0.307	
13 X 5 Flat Bar	4	0.511	
13 X 6 Flat Bar	4	0.613	
16 X 3 Flat Bar	4	0.377	
16 X 5 Flat Bar	4	0.628	
16 X 6 Flat Bar	4	0.754	
16 X 8 Flat Bar	6	1.01	
20 X 3 Flat Bar	6	0.471	
20 X 5 Flat Bar	6	0.785	
20 X 6 Flat Bar	6	0.942	
20 X 10 Flat Bar	6	1.57	
25 X 3 Flat Bar	6	0.589	
25 X 5 Flat Bar	6	0.982	
25 X 6 Flat Bar	6	1.18	
25 X 8 Flat Bar	6	1.57	
25 X 10 Flat Bar	6	1.97	
25 X 12 Flat Bar	6	2.36	
32 X 3 Flat Bar	6	0.754	
32 X 5 Flat Bar	6	1.26	
32 X 6 Flat Bar	6	1.51	
32 X 8 Flat Bar	6	2.01	
32 X 10 Flat Bar	6	2.52	
32 X 12 Flat Bar	6	3.02	
40 X 3 Flat Bar	6	0.942	
40 X 5 Flat Bar	6	1.57	
40 X 6 Flat Bar	6	1.89	
40 X 8 Flat Bar	6	2.52	
40 X 10 Flat Bar	6	3.14	
40 X 12 Flat Bar	6	3.77	
40 X 16 Flat Bar	6	5.03	

Flat Bar - continued



Item Name	Length/M	KG/M	TRUE WEIGHT Does not include rolling tolerance.
50 X 3 Flat Bar	6	1.18	
50 X 5 Flat Bar	6	1.97	
50 X 6 Flat Bar	6	2.36	
50 X 8 Flat Bar	6	3.14	
50 X 10 Flat Bar	6	3.93	
50 X 12 Flat Bar	6	4.71	
50 X 16 Flat Bar	6	6.28	
50 X 20 Flat Bar	6	7.85	
50 X 25 Flat Bar	6	9.82	
65 X 3 Flat Bar	6	1.54	
65 X 5 Flat Bar	6	2.56	
65 X 6 Flat Bar	6	3.07	
65 X 8 Flat Bar	6	4.09	
65 X 10 Flat Bar	6	5.11	
65 X 12 Flat Bar	6	6.13	
65 X 16 Flat Bar	6	8.17	
65 X 20 Flat Bar	6	10.21	
75 X 5 Flat Bar	6	2.95	
75 X 6 Flat Bar	6	3.54	
75 X 8 Flat Bar	6	4.71	
75 X 10 Flat Bar	6	5.89	
75 X 12 Flat Bar	6	7.07	
75 X 16 Flat Bar	6	9.42	
75 X 20 Flat Bar	6	11.78	
75 X 25 Flat Bar	6	14.72	
90 X 6 Flat Bar	6	4.24	
90 X 8 Flat Bar	6	5.66	
90 X 10 Flat Bar	6	7.07	
90 X 12 Flat Bar	6	8.48	

Most sections available in part lengths

E & OE

5.



Flat Bar - continued



Item Name	Length/M	KG/M	TRUE WEIGHT Does not include rolling tolerance.
100 X 5 Flat Bar	6	3.93	
100 X 6 Flat Bar	6	4.71	
100 X 8 Flat Bar	6	6.28	
100 X 10 Flat Bar	6	7.85	
100 X 12 Flat Bar	6	9.42	
100 X 16 Flat Bar	6	12.56	
100 X 20 Flat Bar	6	15.7	
100 X 25 Flat Bar	6	19.63	
100 X 50 Flat Bar	6	39.25	
110 X 6 Flat Bar	6	5.19	
110 X 8 Flat Bar	6	6.91	
110 X 10 Flat Bar	6	8.64	
110 X 12 Flat Bar	6	10.37	
130 X 5 Flat Bar	6	5.11	
130 X 6 Flat Bar	6	6.13	
130 X 8 Flat Bar	6	8.17	
130 X 10 Flat Bar	6	10.21	
130 X 12 Flat Bar	6	12.25	
130 X 16 Flat Bar	6	16.33	
130 X 20 Flat Bar	6	20.41	
130 X 25 Flat Bar	6	25.52	
150 X 5 Flat Bar	6	5.89	
150 X 6 Flat Bar	6	7.07	
150 X 8 Flat Bar	6	9.42	
150 X 10 Flat Bar	6	11.78	
150 X 12 Flat Bar	6	14.13	
150 X 16 Flat Bar	6	18.84	
150 X 20 Flat Bar	6	23.55	
150 X 25 Flat Bar	6	29.44	
150 X 50 Flat Bar	6	58.88	

Round Bar



Item Name	Length/M	KG/M
6mm Round Bar	6	0.222
8mm Round Bar	6	0.395
10mm Round Bar	6	0.617
12mm Round Bar	6	0.888
14mm Round Bar	6	1.21
16mm Round Bar	6*	1.58
18mm Round Bar	6	2.00
20mm Round Bar	6	2.47
22mm Round Bar	6	2.99
24mm Round Bar	6	3.56
27mm Round Bar	6	4.5
30mm Round Bar	6	5.55
33mm Round Bar	6	6.72
36mm Round Bar	6	8.00
39mm Round Bar	6	9.38
42mm Round Bar	6	10.88
45mm Round Bar	6	12.49
48mm Round Bar	6	14.21
50mm Round Bar	6	15.42
56mm Round Bar	6	19.34
60mm Round Bar	6	22.2
65mm Round Bar	6	26.05
75mm Round Bar	6	34.67
80mm Round Bar	6	39.46
90mm Round Bar	6	49.94
100mm Round Bar	6	61.66

To calculate the mass of round bar per metre:

Diameter squared x 0.7854 x 7850

Eg: For 50 mm round bar $0.05 \times 0.05 \times 0.7854 \times 7850 = 15.42\text{kg / metre}$



Square Bar



Item Name	Length/M	KG/M
10mm Square Bar	6	0.785
12mm Square Bar	6	1.14
16mm Square Bar	6	2.01
20mm Square Bar	6	3.14
25mm Square Bar	6	4.91
40mm Square Bar	6	12.56
50mm Square Bar	6.7	19.63

Deformed Bar



Item Name	Length/M	KG/M
Y12 Bar	6*	0.89
Y16 Bar	6*	1.58
Y20 Bar	12	2.47
Y24 Bar	12	3.56
Y28 Bar	12	4.84
Y36 Bar	12	6.32

**Available in other lengths
Most sections available in part lengths*

E & OE

9.



Angle - Merchant



Item Name	Length/M	KG/M
20 X 20 X 3 Angle	6*	0.87
25 X 25 X 3 Angle	7.5*	1.12
25 X 25 X 5 Angle	7.5*	1.65
25 X 25 X 6 Angle	7.5*	2.08
30 X 30 X 3 Angle	7.5*	1.35
30 X 30 X 5 Angle	7.5*	2.01
30 X 30 X 6 Angle	7.5*	2.56
40 X 40 X 3 Angle	7.5*	1.83
40 X 40 X 5 Angle	7.5*	2.73
40 X 40 X 6 Angle	7.5*	3.5
45 X 45 X 3 Angle	9*	2.06
45 X 45 X 5 Angle	9*	3.1
45 X 45 X 6 Angle	9*	3.97
50 X 50 X 3 Angle	7.5*	2.31
50 X 50 X 5 Angle	7.5*	3.48
50 X 50 X 6 Angle	7.5*	4.46
50 X 50 X 8 Angle	9	5.68
55 X 55 X 5 Angle	9*	3.84
55 X 55 X 6 Angle	9*	4.93
65 X 50 X 5 Angle	9*	4.02
65 X 50 X 6 Angle	9*	5.16
65 X 50 X 8 Angle	9*	6.59
65 X 65 X 5 Angle	9*	4.56
65 X 65 X 6 Angle	9*	5.87
65 X 65 X 8 Angle	9*	7.51
65 X 65 X 10 Angle	9*	9.02

*Often available in other lengths = 6m/7.5m/9m/12m



Most sections available in part lengths

10.

E & OE

Angle - Merchant - continued

Item Name	Length/M	KG/M
75 X 50 X 5 Angle	9*	4.4
75 X 50 X 6 Angle	9*	5.66
75 X 50 X 8 Angle	9*	7.23
75 X 75 X 5 Angle	9*	5.27
75 X 75 X 6 Angle	9*	6.81
75 X 75 X 8 Angle	9*	8.73
75 X 75 X 10 Angle	9*	10.5
*Often available in other lengths = 6m/7.5m/9m/12m		

Angle - Light Structural

Item Name	Length/M	KG/M
90 X 90 X 6 Angle	9*	8.22
90 X 90 X 8 Angle	9*	10.6
90 X 90 X 10 Angle	9*	12.7
100 X 75 X 6 Angle	9*	7.98
100 X 75 X 8 Angle	9*	10.3
100 X 75 X 10 Angle	9*	12.4
100 X 100 X 6 Angle	9*	9.16
100 X 100 X 8 Angle	9*	11.8
100 X 100 X 10 Angle	9*	14.2
100 X 100 X 12 Angle	9*	17.7
125 X 75 X 6 Angle	9*	9.16
125 X 75 X 8 Angle	9*	11.8
125 X 75 X 10 Angle	9*	14.2
125 X 75 X 12 Angle	9*	17.7
*Often available in other lengths = 6m/7.5m/9m/12m		

Most sections available in part lengths

E & OE

11.



Taper Flange Beam - Light Structural

Item Name	Length/M	KG/M
100 TFB	9*	7.2
125 TFB	9*	13.1

Taper Flange Channel - Light Structural

Item Name	Length/M	KG/M
50 X 25 Channel	6.1	4.46
75 X 40 Channel	9*	6.92
100 X 50 Channel	9*	9.36
125 X 65 Channel	9*	13.42

Parallel Flange Channel - Light Structural

Item Name	Length/M	KG/M
75 X 40 Channel	9*	5.92
100 X 50 Channel	9*	8.33
125 X 65 Channel	9*	11.99

Parallel Flange Channel - Structural

Item Name	Length/M	KG/M
150 X 75 Channel	9*	17.7
180 X 75 Channel	9*	20.9
200 X 75 Channel	9*	22.9
230 X 75 Channel	9*	25.1
250 X 90 Channel	9*	35.5
300 X 90 Channel	9*	40.1
380 X 100 Channel	9*	55.2

*Often available in other lengths = 7.5m/9m/10.5m/12m/13.5m/15m

Most sections available in part lengths

Universal Beam



Item Name	Length/M	KG/M
150 UB 14	9*	14
150 UB 18	9*	18
180 UB 16	9*	16.1
180 UB 18	9*	18.1
180 UB 22	9*	22.2
200 UB 18	9*	18.2
200 UB 22	9*	22.3
200 UB 25	9*	25.4
200 UB 30	9*	29.8
250 UB 25	9*	25.7
250 UB 31	9*	31.4
250 UB 37	9*	37.3
310 UB 32	12*	32
310 UB 40	12*	40.4
310 UB 46	12*	46.2
360 UB 45	12*	44.7
360 UB 51	12*	50.7
360 UB 57	12*	56.7
410 UB 54	12*	53.7
410 UB 60	12*	59.7
460 UB 67	12*	67.1
460 UB 75	12*	74.6
460 UB 82	12*	82.1
530 UB 82	12*	82
530 UB 92	12*	92.4
610 UB 101	12*	101
610 UB 113	12*	113
610 UB 125	12*	125

*Often available in other lengths = 9m/10.5m/12m/13.5m/15m/16.5m/18m



Most sections available in part lengths

14.

E & OE

Universal Column

[illegible]

*Often available in other lengths = 9m/10.5m/12m/13.5m/15m/16.5m/18m

Most sections available in part lengths

E & OE

15.



Parallel Flange Channel Dimensions



Item Name	Kg/m	Depth Section	Flange		Web Thick	Diagram
			Width	Thick		
		A	B	C	D	
380 PFC	55.2	380	100	17.5	10	
300 PFC	40.1	300	90	16.0	8.0	
250 PFC	35.5	250	90	15.0	8.0	
230 PFC	25.1	230	75	12.0	6.5	
200 PFC	22.9	200	75	12.0	6.0	
180 PFC	20.9	180	75	11.0	6.0	
150 PFC	17.7	150	75	9.5	6.0	
125 PFC	11.9	125	65	7.5	4.7	
100 PFC	8.31	100	50	6.7	4.2	
75 PFC	5.90	75	40	6.1	3.8	

Universal Column Dimensions

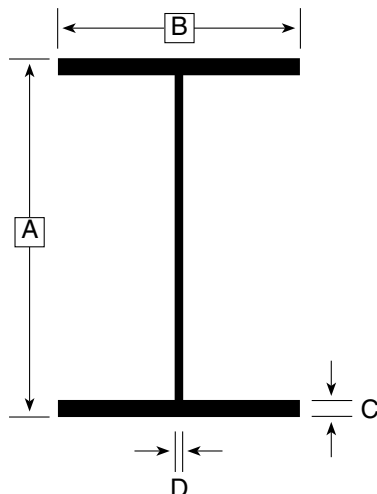


Item Name	Kg/m	Depth Section	Flange		Web Thick	Diagram
			Width	Thick		
		A	B	C	D	
310 UC	158	327	311	25.0	15.7	
	137	321	309	21.7	13.8	
	118	315	307	18.7	11.9	
	96.8	308	305	15.4	9.9	
250 UC	89.5	260	256	17.3	10.5	
	72.9	254	254	14.2	8.6	
200 UC	59.5	210	205	14.2	9.3	
	52.2	206	204	12.5	8.0	
	46.2	203	203	11.0	7.3	
150 UC	37.2	162	154	11.5	8.1	
	30.0	158	153	9.4	6.6	
	23.4	152	152	6.8	6.1	
100UC	14.8	97	99	7.0	5.0	

Universal Beam Dimensions

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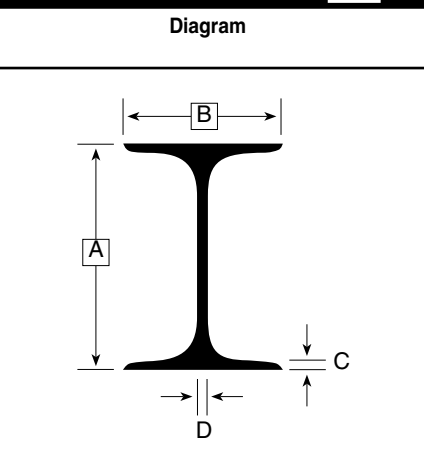
Item Name	Kg/m	Depth Section	Flange Width Thick	Web Thick	Diagram
		A	B	C	D
610 UB	125	612	229	19.6	11.9
	113	607	228	17.3	11.2
	101	602	228	14.8	10.6
530 UB	92.4	533	209	15.6	10.2
	82.0	528	209	13.2	9.6
460 UB	82.1	460	191	16.0	9.9
	74.6	457	190	14.5	9.1
	67.1	454	190	12.7	8.5
410 UB	59.7	406	178	12.8	7.8
	53.7	403	178	10.9	7.6
360 UB	56.7	359	172	13.0	8.0
	50.7	356	171	11.5	7.3
	44.7	352	171	9.7	6.9
310 UB	46.2	307	166	11.8	6.7
	40.4	304	165	10.2	6.1
	32.0	298	149	8.0	5.5
250 UB	37.3	256	146	10.9	6.4
	31.4	252	146	8.6	6.1
	25.7	248	124	8.0	5.0
200 UB	29.8	207	134	9.6	6.3
	25.4	203	133	7.8	5.8
	22.3	202	133	7.0	5.0
	18.2	198	99	7.0	4.5
180 UB	22.2	179	90	10.0	6.0
	18.1	175	90	8.0	5.0
	16.1	173	90	7.0	4.5
150 UB	18.0	155	75	9.5	6.0
	14.0	150	75	7.0	5.0



Tapered Flange Beam Dimensions

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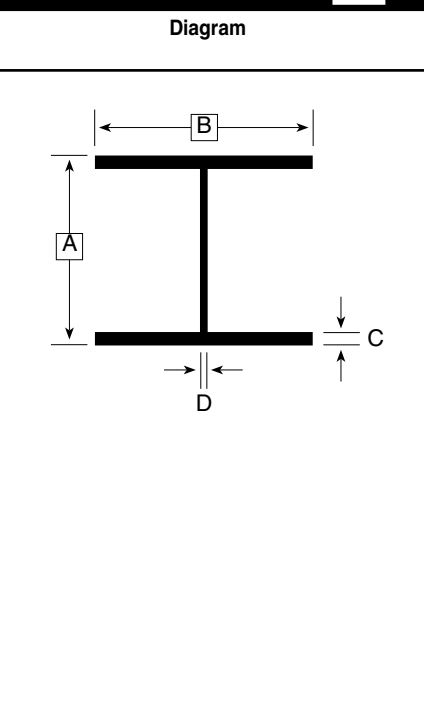
Item Name	Kg/m	Depth Section	Flange		Web Thick
			Width	Thick	
		A	B	C	D
125 TFB	13.1	125	65.0	8.5	5.0
100TFB	7.20	100	45.0	6.0	4.0



Welded Column Dimensions

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Item Name	Kg/m	Depth Section	Flange		Web Thick
			Width	Thick	
		A	B	C	D
500 WC	440	480	500	40	40
	414	480	500	40	32
	383	472	500	36	32
	340	514	500	32	25
	290	506	500	28	20
	267	500	500	25	20
400 WC	228	490	500	20	20
	361	430	400	40	40
	328	430	400	40	28
	303	422	400	36	28
	270	414	400	32	25
	212	400	400	25	20
	181	390	400	20	20
	144	382	400	16	16
350 WC	280	355	350	40	28
	258	347	350	36	28
	230	339	350	32	25
	197	331	350	28	20



A250 Plate

Item Name	Length	KG/M ²
3mm Plate *		23.55
4mm Plate *	* A large range of widths and lengths as well as cut to size are available.	31.4
5mm Plate *		39.25
6mm Plate *		47.1
8mm Plate *		62.8
10mm Plate *		78.5
12mm Plate *		94.2
16mm Plate *	There is also a large range of Q&T PLATE available on request.	125.6
20mm Plate *		157
25mm Plate *		196.25
28mm Plate *		219.8
32mm Plate *		251.2
36mm Plate *		282.6
40mm Plate *		314
45mm Plate *		353.25
50mm Plate *		392.5
55mm Plate *		431.75
60mm Plate *		471
70mm Plate *		549.5
80mm Plate *		628
90mm Plate *		706.5
100mm Plate *		785
110mm Plate *		863.5
120mm Plate *		942
140mm Plate *		1099
150mm Plate *		1177.5

Floor Plate

Item Name	KG/M ²
2.1 Floorplate	18.49
3.0 Floorplate	25.55
5.0 Floorplate	41.25
6.0 Floorplate	49.1
8.0 Floorplate	64.8
10.0 Floorplate	80.5
12.0 Floorplate	96.2



20.

To calculate the mass of mild steel plate & flat:

Length X Width X Thickness X 7850kg

Eg: For a 10mm plate @ 2400mm x 1700mm

$2.4 \times 1.7 \times 0.01 \times 7850 = 320.28\text{kg}$

Eg: For a 200 x 6 flat bar @ 1200mm

$1.2 \times 0.2 \times 0.006 \times 7850 = 11.304\text{kg}$

Note: * Most price books have an extra 2.5% added onto the weight of merchant bar as a rolling tolerance.

* Add 2kg per square metre for Floorplate.

* To calculate the mass of aluminium:

Length x width x thickness x 2710 kg

* To calculate the mass of stainless steel:

Length x width x thickness x 8000 kg

Painted RHS - continued**LENGTHS PER PACK**

Item Name	Length/M	KG/M	Mini	Full
50 X 25 X 1.6 Ptd RHS	8	1.75	48	96
50 X 25 X 2.0 Ptd RHS	8	2.15	48	96
50 X 25 X 2.5 Ptd RHS	8	2.62	36	72
50 X 25 X 3.0 Ptd RHS	8	3.07	30	60
50 X 50 X 1.6 Ptd RHS	8	2.38	30	64
50 X 50 X 2.0 Ptd RHS	8	2.93	30	64
50 X 50 X 2.5 Ptd RHS	8	3.6	25	49
50 X 50 X 3.0 Ptd RHS	8	4.25	25	49
50 X 50 X 4.0 Ptd RHS	8	5.35	20	36
50 X 50 X 5.0 Ptd RHS	8	6.39	16	30
50 X 50 X 6.0 Ptd RHS	8	7.79	-	25
65 X 35 X 2.0 Ptd RHS	8	2.93	24	54
65 X 35 X 2.5 Ptd RHS	8	3.6	24	54
65 X 35 X 3.0 Ptd RHS	8	4.25	21	45
65 X 35 X 4.0 Ptd RHS	8	5.45	21	45
65 X 65 X 2.0 Ptd RHS	8	3.88	20	42
65 X 65 X 2.5 Ptd RHS	8	4.78	20	42
65 X 65 X 3.0 Ptd RHS	8	5.66	20	36
65 X 65 X 4.0 Ptd RHS	8	7.23	16	30
65 X 65 X 5.0 Ptd RHS	8	8.75	12	25
65 X 65 X 6.0 Ptd RHS	8	10.1	12	20
75 X 25 X 1.6 Ptd RHS	8	2.38	32	65
75 X 25 X 2.0 Ptd RHS	8	2.93	32	65
75 X 25 X 2.5 Ptd RHS	8	3.6	24	48
75 X 50 X 2.0 Ptd RHS	8	3.72	20	42
75 X 50 X 2.5 Ptd RHS	8	4.58	20	42
75 X 50 X 3.0 Ptd RHS	8	5.42	18	35
75 X 50 X 4.0 Ptd RHS	8	6.92	12	28
75 X 50 X 5.0 Ptd RHS	8	8.35	12	24
75 X 50 X 6.0 Ptd RHS	8	9.67	12	20

Painted RHS - continued**LENGTHS PER PACK**

Item Name	Length/M	KG/M	Mini	Full
75 X 75 X 2.5 Ptd RHS	8	5.56	16	30
75 X 75 X 3.0 Ptd RHS	8	6.6	16	30
75 X 75 X 3.5 Ptd RHS	8	7.53	12	25
75 X 75 X 4.0 Ptd RHS	8*	8.49	12	25
75 X 75 X 5.0 Ptd RHS	8	10.3	9	20
75 X 75 X 6.0 Ptd RHS	8	12	9	16
89 X 89 X 3.5 Ptd RHS	8	9.06	9	20
89 X 89 X 5.0 Ptd RHS	8	12.5	9	16
89 X 89 X 6.0 Ptd RHS	8	14.6	6	12
100 X 50 X 2.0 Ptd RHS	8	4.5	15	32
100 X 50 X 2.5 Ptd RHS	8	5.56	15	32
100 X 50 X 3.0 Ptd RHS	8	6.6	15	32
100 X 50 X 3.5 Ptd RHS	8	7.61	12	24
100 X 50 X 4.0 Ptd RHS	8	8.49	12	24
100 X 50 X 5.0 Ptd RHS	8	10.3	9	18
100 X 50 X 6.0 Ptd RHS	8	12	9	15
100 X 100 X 3.0 Ptd RHS	8*	8.96	9	20
100 X 100 X 4.0 Ptd RHS	8*	11.6	9	16
100 X 100 X 5.0 Ptd RHS	8*	14.2	6	12
100 X 100 X 6.0 Ptd RHS	8*	16.7	6	12
100 X 100 X 9.0 Blk RHS	8*	23.5	-	6
102 X 76 X 5.0 Ptd RHS	8*	12.51	-	15
102 X 76 X 6.0 Ptd RHS	8*	14.67	-	12
125 X 75 X 3.0 Ptd RHS	8*	8.96	12	20
125 X 75 X 4.0 Ptd RHS	8*	11.6	8	15
125 X 75 X 5.0 Ptd RHS	8*	14.2	8	15
125 X 75 X 6.0 Ptd RHS	8*	16.7	6	12
125 X 125 X 4.0 Ptd RHS	8*	14.8	6	12
125 X 125 X 5.0 Ptd RHS	8*	18.2	6	12
125 X 125 X 6.0 Ptd RHS	8*	21.4	4	9
125 X 125 X 9.0 Blk RHS	8*	30.6	-	8
* Often available in other lengths = 8/9/10/12				

Most sections available in part lengths**E & OE**

Painted RHS - continued**LENGTHS PER PACK**

Item Name	Length/M	KG/M	Mini	Full
127 X 51 X 3.5 Ptd RHS	8	9.06	-	21
150 X 50 X 3.0 Ptd RHS	8*	8.96	12	21
150 X 50 X 4.0 Ptd RHS	8*	11.6	8	15
150 X 50 X 5.0 Ptd RHS	8*	14.2	8	15
150 X 50 X 6.0 Ptd RHS	8*	16.98	8	15
150 X 100 X 4.0 Ptd RHS	8*	14.8	8	12
150 X 100 X 5.0 Ptd RHS	8*	18.2	8	12
150 X 100 X 6.0 Ptd RHS	8*	21.4	4	9
150 X 100 X 9.0 Blk RHS	8*	37.7	-	6
150 X 150 X 5.0 Ptd RHS	8*	22.1	-	9
150 X 150 X 6.0 Ptd RHS	8*	26.2	-	6
150 X 150 X 9.0 Blk RHS	8*	37.7	-	6
152 X 76 X 5.0 Ptd RHS	8	16.44	-	12
152 X 76 X 6.0 Ptd RHS	8	19.38	-	9
200 X 100 X 4.0 Blk RHS	8*	17.9	-	8
200 X 100 X 5.0 Blk RHS	8*	22.1	-	8
200 X 100 X 6.0 Blk RHS	8*	26.2	-	8
200 X 100 X 9.0 Blk RHS	8*	37.7	-	6
200 X 200 X 5.0 Blk RHS	8*	29.9	-	6
200 X 200 X 6.0 Blk RHS	8*	35.6	-	4
200 X 200 X 9.0 Blk RHS	8*	51.8	-	4
250 X 150 X 5.0 Blk RHS	8*	29.9	-	6
250 X 150 X 6.0 Blk RHS	8*	35.6	-	4
250 X 150 X 9.0 Blk RHS	8*	51.8	-	4
250 X 250 X 6.0 Blk RHS	8*	45	-	4
250 X 250 X 9.0 Blk RHS	8*	65.9	-	2
* Often available in other lengths = 8/9/10/12				

Gal RHS**LENGTHS PER PACK**

Item Name	Length/M	KG/M	Mini	Full
20 X 20 X 1.6 Gal RHS	6.5	0.873	49	100
25 X 25 X 1.6 Gal RHS	6.5	1.12	49	100
25 X 25 X 2.0 Gal RHS	6.5	1.36	49	100
25 X 25 X 2.5 Gal RHS	6.5	1.64	49	100
25 X 25 X 3.0 Gal RHS	6.5	1.89	49	100
30 X 30 X 1.6 Gal RHS	8	1.38	49	100
30 X 30 X 2.0 Gal RHS	8	1.68	49	100
30 X 30 X 2.5 Gal RHS	8	2.03	49	100
30 X 30 X 3.0 Gal RHS	8	2.36	36	64
35 X 35 X 1.6 Gal RHS	8	1.63	49	100
35 X 35 X 2.0 Gal RHS	8	1.99	49	100
35 X 35 X 2.5 Gal RHS	8	2.42	30	64
35 X 35 X 3.0 Gal RHS	8	2.83	30	64
40 X 40 X 1.6 Gal RHS	8	1.88	36	81
40 X 40 X 2.0 Gal RHS	8	2.31	36	81
40 X 40 X 2.5 Gal RHS	8	2.82	30	64
40 X 40 X 3.0 Gal RHS	8	3.3	30	64
40 X 40 X 4.0 Gal RHS	8	4.09	25	49
50 X 20 X 1.6 Gal RHS	8	1.63	-	96
50 X 25 X 1.6 Gal RHS	8	1.75	48	96
50 X 25 X 2.0 Gal RHS	8	2.15	48	96
50 X 25 X 2.5 Gal RHS	8	2.62	36	72
50 X 25 X 3.0 Gal RHS	8	3.07	30	60
50 X 50 X 1.6 Gal RHS	8	2.38	30	64
50 X 50 X 2.0 Gal RHS	8	2.93	30	64
50 X 50 X 2.5 Gal RHS	8	3.6	25	49
50 X 50 X 3.0 Gal RHS	8	4.25	25	49
50 X 50 X 4.0 Gal RHS	8	5.35	20	36

Most sections available in part lengths

E & OE

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Gal RHS - continued**LENGTHS PER PACK**

Item Name	Length/M	KG/M	Mini	Full
65 X 35 X 2.0 Gal RHS	8	2.93	24	54
65 X 35 X 2.5 Gal RHS	8	3.6	24	54
65 X 35 X 3.0 Gal RHS	8	4.25	21	45
65 X 65 X 2.0 Gal RHS	8	3.88	20	42
65 X 65 X 2.5 Gal RHS	8	4.78	20	42
65 X 65 X 3.0 Gal RHS	8	5.66	20	36
65 X 65 X 4.0 Gal RHS	8	7.23	16	30
65 X 65 X 5.0 Gal RHS	8	8.75	12	25
75 X 25 X 1.6 Gal RHS	8	2.38	32	65
75 X 25 X 2.0 Gal RHS	8	2.93	32	65
75 X 25 X 2.5 Gal RHS	8	3.6	24	48
75 X 50 X 2.0 Gal RHS	8	3.72	20	42
75 X 50 X 2.5 Gal RHS	8	4.58	20	42
75 X 50 X 3.0 Gal RHS	8	5.42	18	35
75 X 50 X 4.0 Gal RHS	8	6.92	12	28
75 X 75 X 2.5 Gal RHS	8	5.56	16	30
75 X 75 X 3.0 Gal RHS	8	6.6	16	30
75 X 75 X 3.5 Gal RHS	8*	7.53	12	25
75 X 75 X 4.0 Gal RHS	8*	8.49	12	25
75 X 75 X 5.0 Gal RHS	8	10.3	9	20
75 X 75 X 6.0 Gal RHS	8	12	9	16
89 X 89 X 3.5 Gal RHS	8	9.07	9	20
90 X 90 X 2.0 Gal RHS	8	5.38	-	20
100 X 50 X 2.0 Gal RHS	8	4.5	15	32
100 X 50 X 2.5 Gal RHS	8	5.56	15	32
100 X 50 X 3.0 Gal RHS	8	6.6	15	32
100 X 50 X 3.5 Gal RHS	8		12	24
100 X 50 X 4.0 Gal RHS	8	8.49	15	24
100 X 50 X 5.0 Gal RHS	8	10.3	9	18

* Often available in other lengths = 8m/9m/10m/12m

Gal RHS - continued**LENGTHS PER PACK**

Item Name	Length/M	KG/M	Mini	Full
100 X 100 X 3.0 Gal RHS	8*	8.96	9	20
100 X 100 X 4.0 Gal RHS	8*	11.6	9	16
100 X 100 X 5.0 Gal RHS	8*	14.2	6	12
100 X 100 X 6.0 Gal RHS	8*	16.7	6	12
125 X 75 X 3.0 Gal RHS	8*	8.96	12	20
125 X 75 X 4.0 Gal RHS	8*	11.6	8	15
125 X 75 X 5.0 Gal RHS	8*	14.2	8	15
150 X 50 X 3.0 Gal RHS	8	8.96	12	21
150 X 50 X 4.0 Gal RHS	8	11.6	8	15

* Often available in other lengths = 8m/9m/10m/12m

Black Pipe

Item Name	Imperial	O/D	Wall/MM	Length/M	KG/M	Lengths Per Sling
8 nb Med Blk Pipe	1/4"	13.5	2.3	6.5	0.641	400
10nb Med Blk Pipe	3/8"	17.2	2.3	6.5	0.839	300
15nb Lgt Blk Pipe	1/2"	21.3	2	6.5	0.952	217
15nb Med Blk Pipe	1/2"	21.3	2.6	6.5	1.21	217
20nb Lgt Blk Pipe	3/4"	26.9	2.3	6.5	1.4	127
20nb Med Blk Pipe	3/4"	26.9	2.6	6.5	1.56	127
20nb Hvy Blk Pipe	3/4"	26.9	3.2	6.5	1.87	127
25nb Lgt Blk Pipe	1"	33.7	2.6	6.5	1.99	91
25nb Med Blk Pipe	1"	33.7	3.2	6.5	2.41	91
25nb Hvy Blk Pipe	1"	33.7	4	6.5	2.94	91
25nb X-Hvy Blk Pipe	1"	33.7	4.5	6.5	3.24	91
32nb Lgt Blk Pipe	1 1/4"	42.4	2.6	6.5	2.55	61
32nb Med Blk Pipe	1 1/4"	42.4	3.2	6.5	3.1	61
32nb Hvy Blk Pipe	1 1/4"	42.4	4	6.5	3.8	61
32nb X-Hvy Blk Pipe	1 1/4"	42.4	4.9	6.5	4.53	61

Most sections available in part lengths



Black Pipe - continued



Item Name	Imperial	O/D	Wall/MM	Length/M	KG/M	Lengths Per Sling
40nb Lgt Blk Pipe	1 1/2"	48.3	2.9	6.5	3.25	61
40nb Med Blk Pipe	1 1/2"	48.3	3.2	6.5	3.57	61
40nb Hvy Blk Pipe	1 1/2"	48.3	4	6.5	4.38	61
40nb X-Hvy Blk Pipe	1 1/2"	48.3	5.4	6.5	5.24	61
50nb Lgt Blk Pipe	2"	60.3	2.9	6.5	4.11	37
50nb Med Blk Pipe	2"	60.3	3.6	6.5	5.03	37
50nb Hvy Blk Pipe	2"	60.3	4.5	6.5	6.19	37
50nb X-Hvy Blk Pipe	2"	60.3	5.4	6.5	7.31	37
65nb Lgt Blk Pipe	2 1/2"	76.1	3.2	6.5	5.75	37
65nb Med Blk Pipe	2 1/2"	76.1	3.6	6.5	6.43	37
65nb Hvy Blk Pipe	2 1/2"	76.1	4.5	6.5	7.93	37
80nb Lgt Blk Pipe	3"	88.9	3.2	6.5	6.76	19
80nb Med Blk Pipe	3"	88.9	4	6.5	8.37	19
80nb Hvy Blk Pipe	3"	88.9	5	6.5	10.3	19
90nb Lgt Blk Pipe	3 1/2"	101.6	3.2	6.5	7.77	19
90nb Med Blk Pipe	3 1/2"	101.6	4	6.5	9.63	19
90nb Hvy Blk Pipe	3 1/2"	101.6	5	6.5	11.9	19
100nb Lgt Blk Pipe	4"	114.3	3.6	6.5	9.83	19
100nb Med Blk Pipe	4"	114.3	4.5	6.5	12.2	19
100nb Hvy Blk Pipe	4"	114.3	5.4	6.5	14.5	19
125nb Lgt Blk Pipe	5"	139.7	3.5	6.5	11.8	13
125nb Med Blk Pipe	5"	139.7	5	6.5	16.6	13
125nb Hvy Blk Pipe	5"	139.7	5.4	6.5	17.9	13
150nb Lgt Blk Pipe	6"	165.1	3.5	6.5	13.9	10
150nb Med Blk Pipe	6"	165.1	5	6.5	19.7	10
150nb Hvy Blk Pipe	6"	165.1	5.4	6.5	21.3	10

Gal Pipe



Item Name	Imperial	O/D	Wall/MM	Length/M	KG/M	Lengths Per Sling
8nb Med Gal Pipe	1/4"	13.5	2.3	6.5	0.675	400
10nb Med Gal Pipe	3/8"	17.2	2.3	6.5	0.885	300
15nb Lgt Gal Pipe	1/2"	21.3	2	6.5	1.01	217
15nb Med Gal Pipe	1/2"	21.3	2.6	6.5	1.26	217
20nb X-Lgt Gal Pipe	3/4"	26.9	2	6.5	1.3	127
20nb Lgt Gal Pipe	3/4"	26.9	2.3	6.5	1.47	127
20nb Med Gal Pipe	3/4"	26.9	2.6	6.5	1.63	127
20nb Hvy Gal Pipe	3/4"	26.9	3.2	6.5	1.94	127
25nb X-Lgt Gal Pipe	1"	33.7	2	6.5	1.66	91
25nb Lgt Gal Pipe	1"	33.7	2.6	6.5	2.09	91
25nb Med Gal Pipe	1"	33.7	3.2	6.5	2.51	91
25nb Hvy Gal Pipe	1"	33.7	4	6.5	3.03	91
32nb X-Lgt Gal Pipe	1 1/4"	42.4	2	6.5	2.12	61
32nb Lgt Gal Pipe	1 1/4"	42.4	2.6	6.5	2.67	61
32nb Med Gal Pipe	1 1/4"	42.4	3.2	6.5	3.22	61
32nb Hvy Gal Pipe	1 1/4"	42.4	4	6.5	3.92	61
40nb X-Lgt Gal Pipe	1 1/2"	48.3	2.3	6.5	2.75	61
40nb Lgt Gal Pipe	1 1/2"	48.3	2.9	6.5	3.39	61
40nb Med Gal Pipe	1 1/2"	48.3	3.2	6.5	3.7	61
40nb Hvy Gal Pipe	1 1/2"	48.3	4	6.5	4.52	61
50nb X-Lgt Gal Pipe	2"	60.3	2.3	6.5	3.47	37
50nb Lgt Gal Pipe	2"	60.3	2.9	6.5	4.28	37
50nb Med Gal Pipe	2"	60.3	3.6	6.5	5.21	37
50nb Hvy Gal Pipe	2"	60.3	4.5	6.5	6.36	37
65nb Lgt Gal Pipe	2 1/2"	76.1	3.2	6.5	5.98	37
65nb Med Gal Pipe	2 1/2"	76.1	3.6	6.5	6.65	37
65nb Hvy Gal Pipe	2 1/2"	76.1	4.5	6.5	8.15	37

Most sections available in part lengths



United Scrap
Metal
Traders

E & OE

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Gal Pipe - continued



Item Name	Imperial	O/D	Wall/MM	Length/M	KG/M	Lengths Per Sling
80nb Lgt Gal Pipe	3	88.9	3.2	6.5	7.02	19
80nb Med Gal Pipe	3	88.9	4	6.5	8.62	19
80nb Hvy Gal Pipe	3	88.9	5	6.5	10.6	19
90nb Lgt Gal Pipe	3 1/2"	101.6	3.2	6.5	8.02	19
90nb Med Gal Pipe	3 1/2"	101.6	4	6.5	9.95	19
90nb Hvy Gal Pipe	3 1/2"	101.6	5	6.5	12.2	19
100nb Lgt Gal Pipe	4"	114.3	3.6	6.5	10.1	19
100nb Med Gal Pipe	4"	114.3	4.5	6.5	12.5	19
100nb Hvy Gal Pipe	4"	114.3	5.4	6.5	14.8	19
125nb Lgt Gal Pipe	5"	139.7	3.5	6.5	12.1	13
125nb Med Gal Pipe	5"	139.7	5	6.5	17.1	13
125nb Hvy Gal Pipe	5"	139.7	5.4	6.5	18.3	13
150nb Lgt Gal Pipe	6"	165.1	3.5	6.5	14.4	10
150nb Med Gal Pipe	6"	165.1	5	6.5	20.3	10
150nb Hvy Gal Pipe	6"	165.1	5.4	6.5	21.8	10

To calculate the mass of black round pipe & tube per metre:

Outside Diameter — wall thickness X wall thickness X 0.0246615

E.g.: For a 219.1 mm diameter x 6.4mm wall thickness line pipe
219.1 — 6.4 x 6.4 x 0.0246615 = 33.57kg / Metre

E.g.: For 25nb med blk pipe
33.7 — 3.2 x 3.2 x 0.0246615 = 2.41kg / metre

Note: * Most price books have an extra 2.5% added onto the weight of pipe as rolling tolerance.

Pipe Conversion Table

SIZE			SCHEDULE												
N.B.	INCH	O.D.	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS
6	1/8	10.30				1.73	1.73		2.41	2.41					
8	1/4	13.70				2.24	2.24		3.02	3.02					
10	3/8	17.10				2.31	2.31		3.20	3.20					
15	1/2	21.30				2.77	2.77		3.73	3.73				4.78	7.47
20	3/4	26.70				2.87	2.87		3.91	3.91				5.56	7.82
25	1	33.40				3.38	3.38		4.55	4.55				6.35	9.09
32	1 1/4	42.20				3.56	3.56		4.85	4.85				6.35	9.70
40	1 1/2	48.30				3.68	3.68		5.08	5.08				7.14	10.16
50	2	60.30				3.91	3.91		5.54	5.54				8.74	11.07
65	2 1/2	73.00				5.16	5.16		7.01	7.01				9.53	14.02
80	3	88.90				5.49	5.49		7.62	7.62				11.13	15.24
90	3 1/2	101.60				5.74	5.74		8.08	8.08				16.15	
100	4	114.30				6.02	6.02		8.56	8.56		11.13		13.47	17.12
125	5	141.30				6.55	6.55		9.53	9.63		12.70		15.88	19.05
150	6	168.30				7.11	7.11		10.97	10.97		14.27		18.26	21.95
200	8	219.10		6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.06	18.26	20.62	23.01	22.22
250	10	273.00		6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.41	25.40	28.58	25.41
300	12	323.90		6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32	25.40
350	14	355.60	6.35	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71	
400	16	406.40	6.35	7.92	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.40	
450	18	457.00	6.35	7.92	11.13	9.53	14.27	19.05	12.70	23.83	29.36	34.93	39.68	45.24	
500	20	508.00	6.35	9.53	12.70	9.53	15.06	20.62	12.70	26.19	32.54	38.10	44.45	49.78	
600	24	609.60	6.35	9.53	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.34	59.54	
750	30	762.00	7.92	12.70	15.88	9.53			12.70						

Duragal - Flat

Item Name	Length/M	KG/LM	Pack
50 X 4 Flat	6	1.49	57
50 X 5 Flat	6	1.84	45
65 X 4 Flat	6	1.94	44
65 X 5 Flat	6	2.40	36
75 X 4 Flat	6	2.24	38
75 X 5 Flat	6	2.77	32
100 X 4 Flat	6	2.98	28
100 X 5 Flat	6	3.69	28
100 X 6 Flat	6	4.71	26
130 X 5 Flat	6	4.80	28
150 X 5 Flat	6	5.53	28
150 X 6 Flat	6	7.07	24
200 X 5 Flat	6	7.38	32
200 X 6 Flat	6	9.42	28

Duragal - Channel

Item Name	Length/M	KG/LM	Pack
75 X 40 X 4 Channel	9	4.25	18
100 X 50 X 4 Channel	9	5.59	18
125 X 65 X 4 Channel	9	7.23	18
150 X 75 X 5 Channel	12	10.5	12
180 X 75 X 5 Channel	12	11.6	12
200 X 75 X 5 Channel	12	12.4	12
200 X 75 X 6 Channel	12	15.5	12
230 X 75 X 6 Channel	12	16.9	12
250 X 90 X 6 Channel	12	19.2	8
300 X 90 X 6 Channel	12	21.6	6
300 X 90 X 8 Channel	12	28.5	6



Most sections available in part lengths

32.

E & OE

Black ERW Tube - Round

Item Name	Length/M	KG/M
12.7 X 1.6 RND ERW	6.1	0.441
16 X 1.6 RND ERW	6.1	0.577
19 X 1.6 RND ERW	6.1	0.699
22.2 X 1.6 RND ERW	6.1	0.813
25.4 X 1.6 RND ERW	6.1	0.94
31.8 X 1.6 RND ERW	6.1	1.169
38 X 1.6 RND ERW	6.1	1.403
41.3 X 1.6 RND ERW	6.1	1.566
44.5 X 1.6 RND ERW	6.1	1.69
47.6 X 1.6 RND ERW	6.1	1.815
51 X 1.6 RND ERW	6.1	1.889

Black ERW Tube - Square

Item Name	Length/M	KG/M
19 X 19 X 1.6 SQ ERW	6.25	0.9
22.2 X 22.2 X 1.6 SQ ERW	6.1	0.999
25.4 X 25.4 X 1.6 SQ ERW	6.1	1.2
31.8 X 31.8 X 1.6 SQ ERW	6.1	1.48

Black ERW Tube - Rectangular

Item Name	Length/M	KG/M
35 X 19 X 1.6 REC ERW	6.1	1.24
38 X 25.4 X 1.6 REC ERW	6.1	1.48

Gal ERW Tube - Round

Item Name	Length/M	KG/M
12.7 X 1.6 RND ERW	6.1	0.441
16 X 1.6 RND ERW	6.1	0.577
19 X 1.6 RND ERW	6.1	0.699
22.2 X 1.6 RND ERW	6.1	0.813
25.4 X 1.6 RND ERW	6.1	0.94
31.8 X 1.6 RND ERW	6.1	1.169
38 X 1.6 RND ERW	6.1	1.403
41.3 X 1.6 RND ERW	6.1	1.566
44.5 X 1.6 RND ERW	6.1	1.69
47.6 X 1.6 RND ERW	6.1	1.815
51 X 1.6 RND ERW	6.1	1.889

Gal ERW Tube - Square

Item Name	Length/M	KG/M
19 X 19 X 1.6 SQ ERW	6.25	0.9
22.2 X 22.2 X 1.6 SQ ERW	6.1	0.999
25.4 X 25.4 X 1.6 SQ ERW	6.1	1.2
31.8 X 31.8 X 1.6 SQ ERW	6.1	1.48

Gal ERW Tube - Rectangular

Item Name	Length/M	KG/M
35 X 19 X 1.6 REC ERW	6.1	1.24
38 X 25.4 X 1.6 REC ERW	6.1	1.48

Most sections available in part lengths

E & OE

35.



General Purpose Gal Mesh

Item Name	Width mm	Height mm	Kg each
25x25x2.3 Gal Mesh	2000	1200	8
50x25x2.3 Gal Mesh	2000	1200	6
50x50x3.5 Gal Mesh	2000	1200	10
75x50x3.5 Gal Mesh	2000	1200	8
100x100X4 Gal Mesh	2000	1200	5
25X25X2.5 Gal Mesh	3000	2400	23
25x25x3.15 Gal Mesh	3000	2400	36
50X25X2.5 Gal Mesh	3000	2400	17
50x25x3.15 Gal Mesh	3000	2400	27
50x50x4 Gal Mesh	3000	2400	29
75x50x4 Gal Mesh	3000	2400	24
75x50x5 Gal Mesh	3000	2400	38
100x100x5 Gal Mesh	3000	2400	28

Reinforcing Mesh

Item Name	Width mm	Height mm	Kg each
F81	6000	2400	116
F102	6000	2400	89
F92	6000	2400	65
F82	6000	2400	52
F72	6000	2400	40
F62	6000	2400	33
F62 H	3000	2400	16
F52	6000	2400	21
F52 H	3000	2400	11

Trench Mesh

Item Name	Length M	Width M	Kg each
R8TM200	6.0	0.2	7
R8TM300	6.0	0.3	9
R8TM400	6.0	0.4	11
R8TM500	6.0	0.5	15
R8TM2300	6.0	2.3	60
R11TM200	6.0	0.2	13
R11TM300	6.0	0.3	18
R11TM400	6.0	0.4	22
R11Tm500	6.0	0.5	26
R11TM2300	6.0	2.3	106
R12TM200	6.0	0.2	16
R12TM300	6.0	0.3	22
R12TM400	6.0	0.4	27
R12TM500	6.0	0.5	33
R12TM2300	6.0	2.3	138

Building Frame Components

Item Name	BMT	Length mm	Pack
Standard Stud	1.2	7500	50
Nogging	1.2	750	50
Plate	1.2	7500	50
Roof Batten	0.75	6100	25
Ceiling Batten	0.42	6100	50
Topspan 61	0.75	6100	
Topspan 61	1.00	6100	
Topspan 120	0.70	4600/7000	
Topspan 120	0.80		
Topspan 120	0.90	6100/8600	

Cold Formed Plain Channels



Item Name	Web mm		Flange mm		Thickness mm	KG/M
LC01916	19	X	13	X	1.5	0.49
LC02516	25	X	13	X	1.5	0.58
LC03816	38	X	16	X	1.5	0.84
LC05116	51	X	15	X	1.5	0.97
LC05130	51	X	25	X	3.0	2.15
LC05725	57	X	26	X	2.5	2.00
LC06425	64	X	23	X	2.5	2.00
LC07630	76	X	38	X	3.0	3.34
LC08330	83	X	34	X	3.0	3.34
LC08930	89	X	31	X	3.0	3.34
LC09530	95	X	37	X	3.0	3.70
LC10330	103	X	34	X	3.0	3.70
LC10230	102	X	55	X	3.0	5.78
LC12730	127	X	50	X	3.0	5.26
LC15230	152	X	51	X	3.0	5.86

Cold Formed Lipped Channels



Item Name	Web mm	Flange mm	Lip mm	Thickness mm	KG/M
LL05116	51	X 35	X 12	1.5	1.68
LL06425	64	X 38	X 13	2.5	2.90
LL07610	76	X 44	X 11	1.0	1.43
LL07625	76	X 44	X 16	2.5	3.49
LL10225	102	X 51	X 18	2.5	4.39
LL10230	102	X 51	X 19	3.0	5.25
LL12725	127	X 51	X 18	2.5	4.89
LL12730	127	X 51	X 19	3.0	5.85
LL15230	152	X 64	X 21	3.0	7.16
LL20330	203	X 76	X 24	3.0	9.07
LL25430	254	X 89	X 25	3.0	10.98

Cold Formed Angle

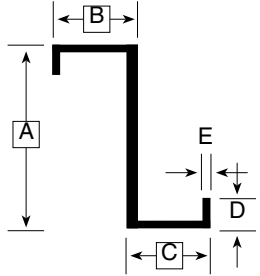


Item Name	Web mm	Flange mm	Thickness mm	KG/M		
LA2725	27	X	27	X	2.5	1.00
LA3225	32	X	24	X	2.5	1.00
LA4030	40	X	40	X	3.0	1.79
LA4630	46	X	35	X	3.0	1.79
LA5130	51	X	30	X	3.0	1.79

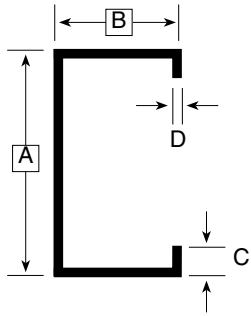
Gal Lintels

Item Name	KG/M	Lengths
85mm Flat	5.00	0.800
85mm Flat	5.00	0.900
85mm Flat	5.00	1.000
85mm Flat	5.00	1.100
85mm Flat	5.00	1.200
100 x 100 Angle	9.50	0.900
100 x 100 Angle	9.50	1.400
100 x 100 Angle	9.50	1.500
100 x 100 Angle	9.50	1.700
100 x 100 Angle	9.50	1.800
100 x 100 Angle	9.50	2.000
100 x 100 Angle	9.50	2.100
100 x 100 Angle	9.50	2.400
100 x 100 Angle	9.50	2.700
150 x 100 Angle	12.00	1.800
150 x 100 Angle	12.00	2.100
150 x 100 Angle	12.00	2.400
150 x 100 Angle	12.00	2.700
150 x 100 Angle	12.00	3.000
150 x 100 Angle	12.00	3.300
150 x 100 Angle	12.00	3.600
150 x 100 Angle	12.00	4.000

Z Section Purlins

Item Name	Kg/m	Depth Section	Flange		Web Thick		Diagram
			Width	Thick			
		A	B	C	D	E	
Z10015	2.58	102	49	53	13.5	1.5	
Z10019	3.25	102	48	53	15	1.9	
Z15012	2.84	152	61	65	16	1.2	
Z15015	3.54	152	61	65	16.5	1.5	
Z15019	4.46	152	61	65	17.5	1.9	
Z15024	5.62	152	60	66	19	2.4	
Z20015	5.62	203	74	79	15	1.5	
Z20019	5.68	203	74	79	15.5	1.9	
Z20024	7.15	203	73	79	20.5	2.4	
Z25019	6.43	254	74	79	18	1.9	
Z25024	8.10	254	73	79	20	2.4	

C Section Purlins

Item Name	Kg/m	Depth Section	Flange		Thickness	Diagram
			Width	Lip		
		A	B	C	D	
C10015	2.58	102	51	13.5	1.5	
C10019	3.25	102	51	14.5	1.9	
C15012	2.84	152	64	15	1.2	
C15015	3.54	152	64	15.5	1.5	
C15019	4.46	152	64	16.5	1.9	
C15024	5.62	152	64	18	2.4	
C20015	4.44	203	76	15.5	1.5	
C20019	5.68	203	76	19	1.9	
C20024	7.15	203	76	20.5	2.4	
C25019	6.43	254	76	18.5	1.9	
C25024	8.10	254	76	20	2.4	

Bondek Structural Decking

Item Name	Thickness	Width	KG/M
Bondeck .60 Domestic	0.60	590	4.88
Bondeck .75 Domestic	0.75	590	6.05
Bondeck 1.00 Domestic	1.00	590	7.99

Roof and Wall Sheeting

Max recommended spacing of supports for normal conditions

[illegible]

Available in lengths cut to order

E & OE

41.



Z Section Purlins

Inch Equiv. to mm	Thickness as inch fraction	Thickness mm	BG	Inch Equiv. to BG
0.3937	3/8	10.0	0	0.3964
0.3543		9.0	1	0.3532
0.3150	5/16	8.0	2	0.3147
0.2756		7.0	3	0.2804
0.2632	1/4	6.0	4	0.2500
0.2165		5.5	5	0.2225
0.1969	3/16	5.0	6	0.1981
0.1772		4.5	7	0.1764
0.1575	5/32	4.0	8	0.1570
0.1378		3.5	9	0.1398
0.1181	1/8	3.0	10	0.1250
0.1102		2.8	11	0.1113
0.0984	3/32	2.5	12	0.0991
0.0866		2.2	13	0.0882
0.0787	5/64	2.0	14	0.0785
0.0709		1.8	15	0.0699
0.0630	1/16	1.6	16	0.0625
0.0551		1.4	17	0.0556
0.0472	3/64	1.2	18	0.0495
0.0433		1.1	19	0.0440
0.0394		1.0	20	0.0392
0.0354		0.90	21	0.0349
0.0315	1/32	0.80	22	0.0313
0.0276		0.70	23	0.0278
0.0236		0.60	24	0.0248
0.0217		0.55	25	0.0220
0.0197		0.50	26	0.0196
0.0177		0.45	27	0.0175
0.0157	1/64	0.40	28	0.0156
0.0138		0.35	29	0.0139
0.0118		0.30	30	0.0123
0.0110		0.28	31	0.0110
0.0098		0.25	32	0.0098
0.0087		0.22	33	0.0087
0.0079		0.20	34	0.0077
0.0071		0.18	35	0.0069
0.0063		0.16	36	0.0061
0.0055		0.14	37	0.0054
0.0047		0.12	38	0.0048
0.0043		0.11	39	0.0043
0.0039		0.10	40	0.0039

Frequently Used Formulas

To calculate the mass of mild steel plate & flat:

Length X Width X thickness X 7850

Eg: For a 10mm plate @ 2400mm x 1700mm

$2.4 \times 1.7 \times 0.01 \times 7850 = 320.28\text{kg}$

For a 200 x 6 flat bar @ 1200mm

$1.2 \times 0.2 \times 0.006 \times 7850 = 11.304\text{kg}$

Note:

* Most price books have an extra 2.5% added onto the weight of merchant bar as a rolling tolerance.

* Add 2 kg per square metre for floorplate.

* To calculate the mass of aluminium:

Length x width x thickness x 2710 kg

* To calculate the mass of stainless steel:

Length x width x thickness x 8000 kg

To calculate the mass of black round pipe & tube per metre:

Outside Diameter — wall thickness X wall thickness X 0.0246615

Eg: For a 219.1 mm diameter x 6.4mm wall thickness line pipe

$219.1 - 6.4 \times 6.4 \times 0.0246615 =$

33.57kg / Metre

For 25nb med blk pipe

$33.7 - 3.2 \times 3.2 \times 0.0246615 =$

2.4kg / metre

Note:

* Most price books have an extra 2.5% added onto the weight of pipe as rolling tolerance.

To calculate the mass of round bar per metre:

Diameter squared x 0.7854 x 7850 kg

Eg: For 50 mm round bar

$0.05 \times 0.05 \times 0.7854 \times 7850 = 15.41\text{kg} / \text{meter}$

To calculate the circumference of a circle:

Diameter x 3.1416

Eg: For a diameter of 350 mm

$350 \times 3.1416 = 1099.56\text{mm}$

To calculate the diagonal length corner to corner in a square or rectangle: (Hypotenuse)

Length squared + breadth squared = ? then square root

Eg: For a rectangle 1200mm x 2400mm

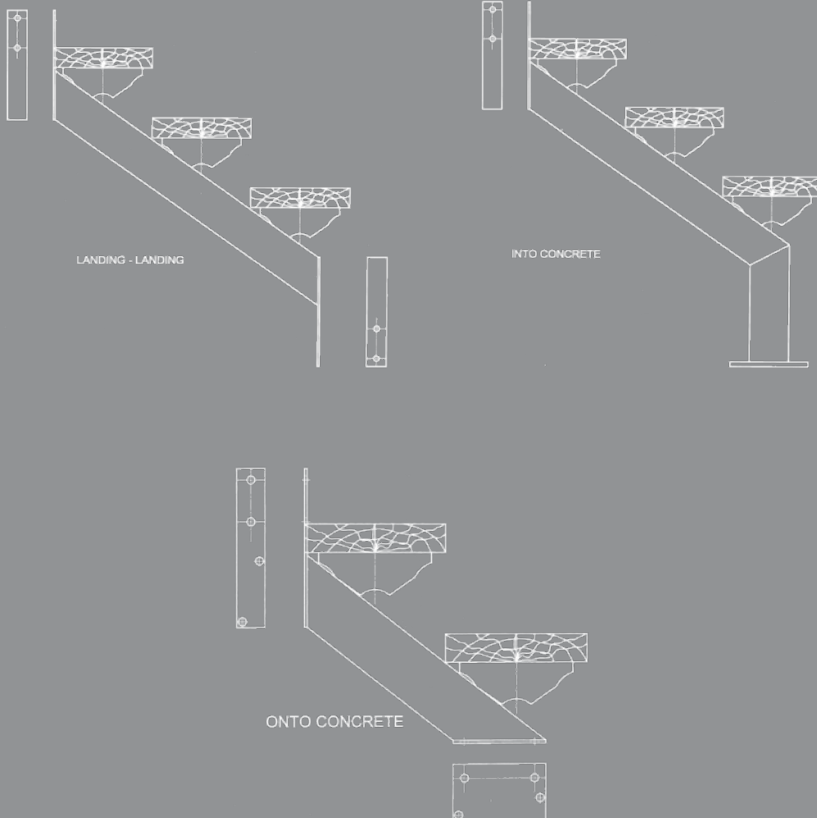
$1200 \times 1200 = 1440000$

+

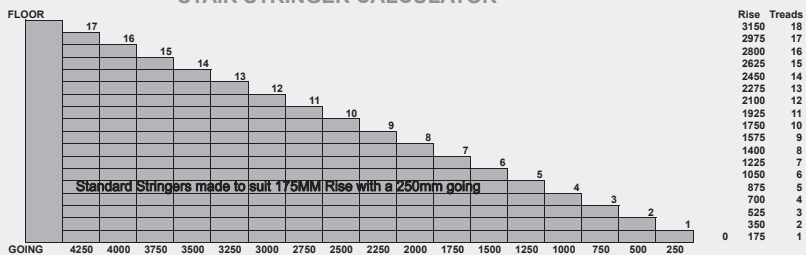
$2400 \times 2400 = 5760000$

$7200000 > \text{square root} =$

2683.28mm



STAIR STRINGER CALCULATOR

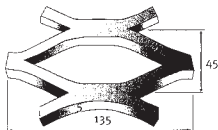


Custom Stringers can be fabricated on request.

Expanded Metal

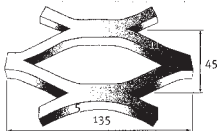


**WM50080
Pattern**



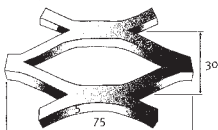
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LWM = 135
THICKNESS = 5
WIDTH = 8
HEIGHT = 16

**WM50110
Pattern**



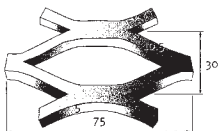
SWM = 45
LWM = 135
THICKNESS = 5
WIDTH = 11
HEIGHT = 22

**WM50075
Pattern**



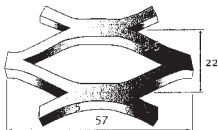
SWM = 30
LWM = 75
THICKNESS = 5
WIDTH = 7.5
HEIGHT = 15

**WM50105
Pattern**



SWM = 30
LWM = 75
THICKNESS = 5
WIDTH = 10.5
HEIGHT = 21

**WM50055
Pattern**



SWM = 22
LWM = 57
THICKNESS = 5
WIDTH = 5.5
HEIGHT = 11

MATERIAL

MILD STEEL

Recommended for impact, high load applications where economy and strength are paramount.

TOP SURFACE

SAFETY

The raised angular pattern provides excellent grip on inclined walkways.

TREATMENT/COLOUR

EXPANDED METAL

Available Galvanised (ASNZ 4680), Bitumen Dipped or left Untreated.

PANEL SIZE

EXPANDED METAL

Available in a range of sizes that allow for direct placement onto support steel without the need for cutting.

CODES:

M = Mild

CODES:

R = Raised

CODES:

G = Galvanised
B = Bitumen Dipped
U = Untreated

CODES:

1 = 3000 x 1200 LWM
2 = 3000 x 900 LWM
3 = 3000 x 750 LWM
4 = 3000 x 600 LWM
10 = 2300 x 1200 LWM
11 = 2300 x 900 LWM
12 = 2300 x 750 LWM
13 = 2300 x 600 LWM

Transport Safety Guidelines Customer Pickup

Overhang Requirements

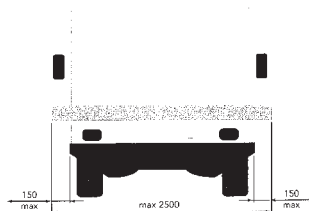
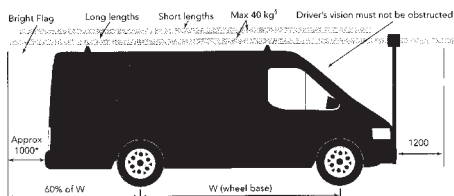
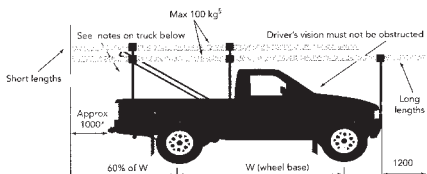
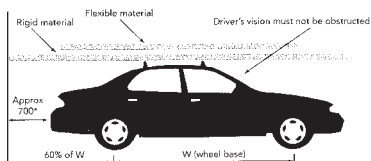
The overhang limits on this page are based on maximum limits for product protection and/or the strictest state or territory regulations. Wide loads should not be inclined (due to wind loadings).

The drivers vision must not be obstructed.

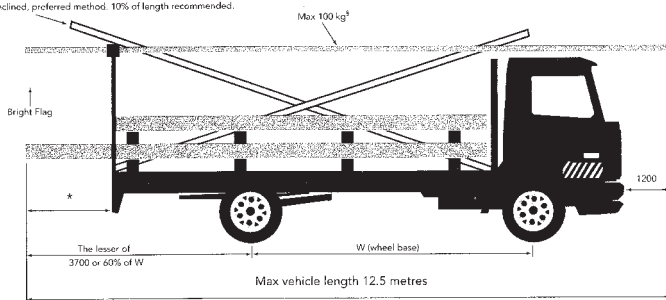
Projections/overhangs that are dangerous are not acceptable, even if they are within the limits below.

For daytime travel, a minimum 300 mm square bright red flag is required on any overhang that cannot be easily seen.

This is mandatory for overhangs beyond 1200mm past the end of a vehicle (i.e. for trucks).



If inclined, preferred method, 10% of length recommended.



* Maximum 1200mm for vehicles less than 4.5 tonne GVM (provided the rear overhang is less than 3700mm or 60% W).
Maximum weight on racks without written verification of rated capacity. Refer to section 4 for more details.



The rear overhang of a trailer must be the lesser of the front load carrying area or body ahead of the centre of the axle group and 3.7m

Subject to change without notice. Effective 4/9/06



**United Scrap
Metal
Traders**

UNITED SCRAP METAL TRADERS PTY LTD

COLOUR CHART - END CODE & THICKNESS

RHS

Violet - 1.6mm
Custard - 2.0mm
Silver - 2.3mm
Rose Pink - 2.5mm
Gold - 2.8mm
Bluebell - 3.0mm
Dark Grey Blue - 3.5mm
Jade - 4.0mm
Marigold - 5.0mm
White - 6.0mm
Purple - 9.0mm

PIPE

Jade - Extra Light
Custard - Light
Bluebell - Medium
Signal Red - Heavy
White - Extra Heavy