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MetroSteel Pty Ltd

ABN 90 114 099 679

Ph: 07 3204 1000
Fax: 07 3204 2211
Email: sales@metrosteel.com.au
Web: www.metrosteel.com.au

QBCC Lic # 1190517

Postal Address: PO Box 725 Aspley QLD 4034
Street Address: 109 Kabi Circuit, Deception Bay, QLD 4508



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Please Note:

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Flat Bar



Item Name	Length (m)	kg/m	Includes Standard 2.5% Rolling Tolerance
10 X 3 Flat Bar	4	0.241	
13 X 3 Flat Bar	4	0.313	
13 X 5 Flat Bar	4	0.523	
13 X 6 Flat Bar	4	0.627	
16 X 3 Flat Bar	4	0.386	
16 X 5 Flat Bar	4	0.643	
16 X 6 Flat Bar	4	0.772	
16 X 8 Flat Bar	6	1.03	
20 X 3 Flat Bar	6	0.483	
20 X 5 Flat Bar	6	0.805	
20 X 6 Flat Bar	6	0.965	
20 X 10 Flat Bar	6	1.61	
25 X 3 Flat Bar	6	0.604	
25 X 5 Flat Bar	6	1.01	
25 X 6 Flat Bar	6	1.21	
25 X 8 Flat Bar	6	1.61	
25 X 10 Flat Bar	6	2.02	
25 X 12 Flat Bar	6	2.42	
32 X 3 Flat Bar	6	0.78	
32 X 5 Flat Bar	6	1.30	
32 X 6 Flat Bar	6	1.54	
32 X 8 Flat Bar	6	2.06	
32 X 10 Flat Bar	6	2.58	
32 X 12 Flat Bar	6	3.09	
40 X 3 Flat Bar	6	0.966	
40 X 5 Flat Bar	6	1.60	
40 X 6 Flat Bar	6	1.93	
40 X 8 Flat Bar	6	2.58	
40 X 10 Flat Bar	6	3.22	
40 X 12 Flat Bar	6	3.86	
40 X 16 Flat Bar	6	5.15	

Flat Bar - Continued



Item Name	Length (m)	kg/m	Includes Standard 2.5% Rolling Tolerance
50 X 3 Flat Bar	6	1.20	
50 X 5 Flat Bar	6	2.01	
50 X 6 Flat Bar	6	2.41	
50 X 8 Flat Bar	6	3.21	
50 X 10 Flat Bar	6	4.02	
50 X 12 Flat Bar	6	4.82	
50 X 16 Flat Bar	6	6.43	
50 X 20 Flat Bar	6	8.04	
50 X 25 Flat Bar	6	10.06	
65 X 3 Flat Bar	6	1.57	
65 X 5 Flat Bar	6	2.62	
65 X 6 Flat Bar	6	3.14	
65 X 8 Flat Bar	6	4.19	
65 X 10 Flat Bar	6	5.23	
65 X 12 Flat Bar	6	6.28	
65 X 16 Flat Bar	6	8.37	
65 X 20 Flat Bar	6	10.46	
75 X 5 Flat Bar	6	3.02	
75 X 6 Flat Bar	6	3.62	
75 X 8 Flat Bar	6	4.82	
75 X 10 Flat Bar	6	6.03	
75 X 12 Flat Bar	6	7.24	
75 X 16 Flat Bar	6	9.65	
75 X 20 Flat Bar	6	12.07	
75 X 25 Flat Bar	6	15.08	
90 X 6 Flat Bar	6	4.34	
90 X 8 Flat Bar	6	5.80	
90 X 10 Flat Bar	6	7.24	
90 X 12 Flat Bar	6	8.69	

Most sections available in part lengths



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Flat Bar - Continued



Item Name	Length (m)	kg/m	Includes Standard 2.5% Rolling Tolerance
100 X 5 Flat Bar	6	4.02	
100 X 6 Flat Bar	6	4.82	
100 X 8 Flat Bar	6	6.43	
100 X 10 Flat Bar	6	8.04	
100 X 12 Flat Bar	6	9.65	
100 X 16 Flat Bar	6	12.87	
100 X 20 Flat Bar	6	16.09	
100 X 25 Flat Bar	6	20.12	
100 X 50 Flat Bar	6	40.23	
110 X 6 Flat Bar	6	5.31	
110 X 8 Flat Bar	6	7.08	
110 X 10 Flat Bar	6	8.85	
110 X 12 Flat Bar	6	10.63	
130 X 5 Flat Bar	6	5.23	
130 X 6 Flat Bar	6	6.28	
130 X 8 Flat Bar	6	8.37	
130 X 10 Flat Bar	6	10.46	
130 X 12 Flat Bar	6	12.55	
130 X 16 Flat Bar	6	16.73	
130 X 20 Flat Bar	6	20.92	
130 X 25 Flat Bar	6	26.15	
150 X 5 Flat Bar	6	6.03	
150 X 6 Flat Bar	6	7.24	
150 X 8 Flat Bar	6	9.65	
150 X 10 Flat Bar	6	12.07	
150 X 12 Flat Bar	6	14.48	
150 X 16 Flat Bar	6	19.31	
150 X 20 Flat Bar	6	24.13	
150 X 25 Flat Bar	6	30.17	
150 X 50 Flat Bar	6	60.35	



Round Bar



Item Name	Length (m)	kg/m	Includes Standard 2.5% Rolling Tolerance
6mm Round Bar	6	0.227	
8mm Round Bar	6	0.404	
10mm Round Bar	6	0.632	
12mm Round Bar	6	0.910	
14mm Round Bar	6	1.24	
16mm Round Bar	6*	1.61	
18mm Round Bar	6	2.05	
20mm Round Bar	6	2.53	
22mm Round Bar	6	3.06	
24mm Round Bar	6	3.64	
27mm Round Bar	6	4.61	
30mm Round Bar	6	5.68	
33mm Round Bar	6	6.88	
36mm Round Bar	6	8.20	
39mm Round Bar	6	9.61	
42mm Round Bar	6	11.15	
45mm Round Bar	6	12.80	
48mm Round Bar	6	14.56	
50mm Round Bar	6	15.80	
56mm Round Bar	6	19.82	
60mm Round Bar	6	22.75	
65mm Round Bar	6	26.70	
75mm Round Bar	6	35.53	
80mm Round Bar	6	40.44	
90mm Round Bar	6	51.18	
100mm Round Bar	6	63.20	

To calculate the mass of round bar per metre:

Diameter squared x 0.7854 x 7850

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

Square Bar



Item Name	Length (m)	kg/m	Includes Standard 2.5% Rolling Tolerance
10mm Square Bar	6	0.804	
12mm Square Bar	6	1.16	
16mm Square Bar	6	2.06	
20mm Square Bar	6	3.21	
25mm Square Bar	6	5.03	
40mm Square Bar	6	12.87	
50mm Square Bar	6.7	20.12	

Deformed Bar



Item Name	Length (m)	kg/m
Y12 Bar	6*	0.91
Y16 Bar	6*	1.61
Y20 Bar	12	2.53
Y24 Bar	12	3.64
Y28 Bar	12	4.96
Y36 Bar	12	6.47

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



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Angle - Merchant



Item Name	Length (m)	kg/m	Includes Standard 2.5% Rolling Tolerance
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

Angle - Merchant - Continued



Item Name	Length (m)	kg/m	Includes Standard 2.5% Rolling Tolerance
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	Includes Standard 2.5% Rolling Tolerance
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

L

*Often available in other lengths = 9m

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

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	

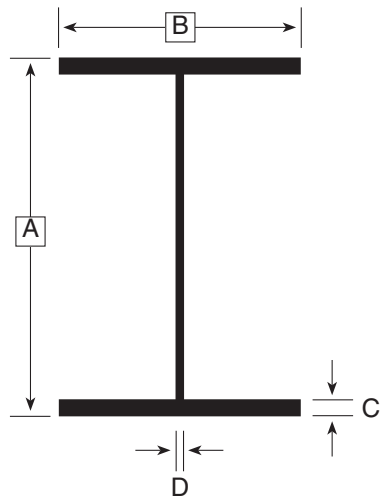
Universal Column Dimensions



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 I

Item Name	kg/m	Depth Section	Flange		Web Thick
			Width	Thick	
		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

I

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

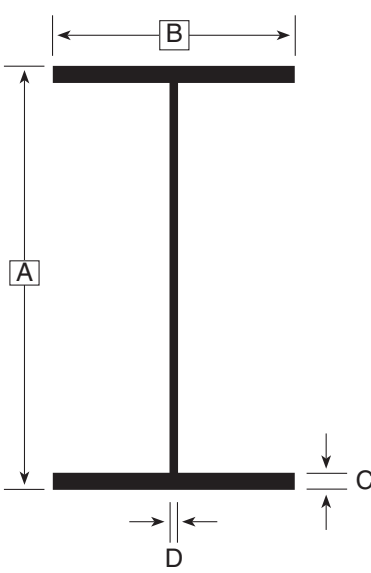
Welded Column Dimensions

I

Item Name	kg/m	Depth Section	Flange		Web Thick	Diagram
			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	
	228	490	500	20	20	
400 WC	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	

Welded Beam Dimensions

I

Item Name	kg/m	Depth Section	Flange		Web Thick	Diagram
			Width	Thick		
		A	B	C	D	
1200 WB	455	1200	500	40	16	
	423	1192	500	36	16	
	392	1184	500	32	16	
	342	1184	400	32	16	
	317	1176	400	28	16	
	278	1170	350	25	16	
	249	1170	275	25	16	
1000 WB	322	1024	400	32	16	
	296	1016	400	28	16	
	258	1010	350	25	16	
	215	1000	300	20	16	
900 WB	282	924	400	32	12	
	257	916	400	28	12	
	218	910	350	25	12	
	175	900	300	20	12	
800 WB	192	816	300	28	10	
	168	810	275	25	10	
	146	800	275	20	10	
	122	792	250	16	10	
700 WB	173	716	275	28	10	
	150	710	250	25	10	
	130	700	250	20	10	
	115	692	250	16	10	

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

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 2 kg per square metre for Floorplate.

Steel Sheet

Thickness - (mm)		Sheet Size mm x mm	Sheet counts per tonne			
Hot Rolled	Gal/Zinc		Galvabond	Hot Rolled	Zincanneal	Sign White
	0.40	1800 x 1200	132.76			
	0.40	2400 x 1200	99.57			
	0.55	1800 x 1200	100.48		102.38	100.20
	0.55	2400 x 1200	75.36		76.78	75.16
	0.75	1800 x 1200	74.95		75.67	
	0.75	2400 x 1200	56.21		56.75	
	0.95	1800 x 1200	59.76		61.01	
	0.95	2400 x 1200	44.82		45.76	
	1.15	1800 x 1200	49.69		50.55	
	1.15	2400 x 1200	37.27		37.91	
1.60	1.55	1800 x 1200	37.16	36.86	37.65	
1.60	1.55	2400 x 1200	27.87	27.64	28.23	
1.60	1.55	3000 x 1200	22.30	22.12	22.59	
2.00	1.95	1800 x 1200	29.68	29.49	29.99	
2.00	1.95	2400 x 1200	22.26	22.12	22.49	
2.00	1.95	3000 x 1200	17.81	17.69	17.99	
2.50	2.45	1800 x 1200	23.80	23.59		
2.50	2.45	2400 x 1200	17.85	17.69		
2.50	2.45	3000 x 1200	14.28	14.15		
3.00	2.95	1800 x 1200	19.75	19.66		
3.00	2.95	2400 x 1200	14.82	14.74		
3.00	2.95	3000 x 1200	11.85	11.85		

Stainless Steel Sheet

Stainless Steel Sheets & Plates			Mass kg/sh	Mass kg/sh	Mass kg/sh
Alloys and Uses			304 2B	304 No4 PVC	316 2b
Grade 304 It is an austenitic, corrosion resistant steel with excellent strength, toughness, fabrication features and weld ability.		Size	t		
		1200 x 2400	0.55	n/a	n/a
		1200 x 2400	0.70	n/a	n/a
		1200 x 2400	0.90	21.514	21.514
		1200 x 2400	1.20	28.714	28.714
		1200 x 2400	1.50	35.856	35.856
		1200 x 2400	2.00	47.837	n/a
		1500 x 3000	2.00	74.745	n/a
		1219 x 2438	2.50	61.697	n/a
		1200 x 2400	3.00	71.741	n/a
		1500 x 3000	3.00	112.095	n/a
		1500 x 3000	5.00	186.750	n/a
		1500 x 3000	6.00	224.100	n/a

Grade 316
Grade 316 is a member of the 18/8 chromium nickel group of austenitic stainless steels for use in high areas of chlorine and hygienic surfaces.

Most sections available in part lengths

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Painted RHS



LENGTHS PER PACK

Item Name	Length (m)	kg/m	Mini	Full
13 X 13 X 1.8 Ptd RHS	6.5	0.568	50	100
15 X 15 X 1.8 Ptd RHS	6.5	0.681	50	100
20 X 20 X 1.6 Ptd RHS	6.5	0.873	49	100
20 X 20 X 2.0 Ptd RHS	6.5	1.05	49	100
25 X 25 X 1.6 Ptd RHS	6.5	1.12	49	100
25 X 25 X 2.0 Ptd RHS	6.5	1.36	49	100
25 X 25 X 2.5 Ptd RHS	6.5	1.64	49	100
25 X 25 X 3.0 Ptd RHS	6.5	1.89	49	100
30 X 30 X 1.6 Ptd RHS	8	1.38	49	100
30 X 30 X 2.0 Ptd RHS	8	1.68	49	100
30 X 30 X 2.5 Ptd RHS	8	2.03	49	100
30 X 30 X 3.0 Ptd RHS	8	2.36	36	64
35 X 35 X 1.6 Ptd RHS	8	1.63	49	100
35 X 35 X 2.0 Ptd RHS	8	1.99	49	100
35 X 35 X 2.5 Ptd RHS	8	2.42	30	64
35 X 35 X 3.0 Ptd RHS	8	2.83	30	64
40 X 40 X 1.6 Ptd RHS	8	1.88	36	81
40 X 40 X 2.0 Ptd RHS	8	2.31	36	81
40 X 40 X 2.5 Ptd RHS	8	2.82	30	64
40 X 40 X 3.0 Ptd RHS	8	3.3	30	64
40 X 40 X 4.0 Ptd RHS	8	4.09	25	49
50 X 20 X 1.6 Ptd RHS	8	1.63	-	96
50 X 20 X 2.0 Ptd RHS	8	1.99	-	96
50 X 20 X 2.5 Ptd RHS	8	2.25	-	72
50 X 20 X 3.0 Ptd RHS	8	2.42	-	72
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

Painted RHS - Continued

LENGTHS PER PACK

Item Name	Length (m)	kg/m	Mini	Full
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
76 X 38 X 1.6 Ptd RHS	8	2.71	n/a	72
76 X 38 X 2.0 Ptd RHS	8	3.35	n/a	56
76 X 38 X 2.5 Ptd RHS	8	4.11	n/a	45
76 X 38 X 3.0 Ptd RHS	8	4.84	n/a	40
76 X 38 X 4.0 Ptd RHS	8	6.23	n/a	40

Most sections available in part lengths

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				

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*	30.6	-	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
* Other larger sizes available on request				
* Often available in other lengths = 8/9/10/12				

Most sections available in part lengths

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Item Name	Length (m)	kg/m	Mini	Full
20 X 20 X 1.6 Gal RHS	6.5	0.873	49	100
20 X 20 X 2.0 Gal RHS	6.5	1.049	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

Gal RHS - Continued



LENGTHS PER PACK

Item Name	Length (m)	kg/m	Mini	Full
65 X 35 X 1.6 Gal RHS	8	2.20	24	54
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 1.6 Gal RHS	8	3.31	25	49
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 1.6 Gal RHS	8	3.01	20	42
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
76 X 38 X 1.6 Gal RHS	8	2.71	-	72
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 1.6 Gal RHS	8	3.62	15	32
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

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

Most sections available in part lengths

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Gal RHS - Continued



LENGTHS PER PACK

Item Name	Length (m)	kg/m	Mini	Full
100 X 50 X 3.0 Gal RHS	8	6.6	15	32
100 X 50 X 3.5 Gal RHS	8	7.61	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
100 X 100 X 2.5 Gal RHS	8*	7.49	12	20
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

Black Pipe - Continued



Item Name	Imperial	O/D	Wall (mm)	Length (m)	kg/m	Lengths Per Sling
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
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
65nb X-Hvy Blk Pipe	2 1/2"	76.1	5.9	6.5	10.2	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

Most sections available in part lengths

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

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 ½"	101.6	3.2	6.5	8.02	19
90nb Med Gal Pipe	3 ½"	101.6	4	6.5	9.95	19
90nb Hvy Gal Pipe	3 ½"	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

$$219.1 — 6.4 \times 6.4 \times 0.0246615 = 33.57\text{kg / Metre}$$

E.g.: For 25nb med blk pipe

$$33.7 — 3.2 \times 3.2 \times 0.0246615 = 2.41\text{kg / metre}$$

Most sections available in part lengths

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E & OE

Telescoping RHS Sections



Square Sections						
Female (Outer)			Clearance		Male (Outer)	
d	b	t	Top	Side	d	b
mm	mm	mm	mm	mm	mm	mm
20	20	1.6	1.8	1.8	15	15
25	25	1.6	1.8	1.8	20	20
25	25	2.0	1.0	1.0	20	20
30	30	1.6	1.8	1.8	25	25
30	30	2.0	1.0	1.0	25	25
35	35	1.6	1.8	1.8	30	30
35	35	2.0	1.0	1.0	30	30
40	40	1.6	1.8	1.8	35	35
40	40	2.0	1.0	1.0	35	35
50	50	1.6	6.8	6.8	40	40
50	50	2.0	6.0	6.0	40	40
50	50	2.5	5.0	5.0	40	40
50	50	3.0	4.0	2.0	40	40
50	50	4.0	2.0	2.0	40	40
65	65	1.6	11.8	11.8	50	50
65	65	2.0	11.0	11.0	50	50
65	65	2.5	10.0	10.0	50	50
65	65	3.0	9.0	9.0	50	50
65	65	4.0	7.0	7.0	50	50
65	65	5.0	5.0	5.0	50	50
65	65	6.0	3.0	3.0	50	50
75	75	2.0	6.0	6.0	65	65
75	75	2.5	5.0	5.0	65	65
75	75	3.0	4.0	4.0	65	65
75	75	3.5	3.0	3.0	65	65
75	75	4.0	2.0	2.0	65	65
89	89	3.5	6.9	6.9	75	75
89	89	5.0	3.9	3.9	75	75
89	89	6.0	1.9	1.9	75	75
100	100	3.0	4.0	4.0	89	89
100	100	4.0	2.0	2.0	89	89
125	125	4.0	17.0	17.0	100	100
150	150	5.0	15.0	15.0	125	125
150	150	6.0	15.0	15.0	125	125
200	200	5.0	40.0	40.0	150	150
200	200	6.0	38.0	38.0	150	150
250	250	6.0	38.0	38.0	200	200

Rectangular Sections						
Female (Outer)			Clearance		Male (Outer)	
d	b	t	Top	Side	d	b
mm	mm	mm	mm	mm	mm	mm
65	35	2.0	11.0	6.0	50	25
65	35	2.5	10.0	5.0	50	25
65	35	3.0	9.0	4.0	50	25
65	35	4.0	7.0	2.0	50	25
75	50	2.0	6.0	11.0	65	35
75	50	2.5	5.0	10.0	65	35
75	50	3.0	4.0	9.0	65	35
75	50	4.0	2.0	7.0	65	35
100	50	2.0	21.0	21.0	75	25
100	50	2.5	20.0	20.0	75	25
100	50	3.0	19.0	19.0	75	25
100	50	3.5	18.0	18.0	75	25
100	50	4.0	17.0	17.0	75	25
100	50	2.0	31.0	11.0	65	35
100	50	2.5	30.0	10.0	65	35
100	50	3.0	29.0	9.0	65	35
100	50	3.5	28.0	8.0	65	35
100	50	4.0	27.0	7.0	65	35
100	50	5.0	25.0	5.0	65	35
100	50	6.0	23.0	3.0	65	35
125	75	3.0	19.0	19.0	100	50
125	75	4.0	17.0	17.0	100	50
125	75	5.0	15.0	15.0	100	50
125	75	6.0	13.0	13.0	100	50
150	100	4.0	17.0	17.0	125	75
150	100	5.0	15.0	15.0	125	75
150	100	6.0	13.0	13.0	125	75
200	100	4.0	42.0	13.0	150	50
200	100	5.0	40.0	13.0	150	50
200	100	6.0	38.0	13.0	150	50
250	150	5.0	40.0	40.0	200	100
250	150	6.0	38.0	38.0	200	100

RHS is not a precision tube.

While in accordance with specifications; dimensions may vary marginally, particularly corner radii.

To use this chart, first take the outer RHS size you require, take $2 \times t + 1\text{mm}$ away from this size. From the chart, select an inner size RHS that comes close to your requirements, allowing the desired clearance.

Remember that all RHS made under the ERW method of production will have an internal weld bead or upset of approximately 1mm in height. Not all sizes of RHS are listed due to page restrictions.

A further factor to take into consideration is the corner radii as these may differ from each tube manufacturer.

Telescoping Pipes - CHS



NB	Female (Outer)	O.D. x t mm x mm	Male (Inner) N.B. Clear-mm	
10	Medium	17.2 x 2.3	n/a	n/a
	Heavy	17.2 x 2.9	n/a	n/a
15	Light	21.3 x 2.0	n/a	n/a
	Medium	21.3 x 2.6	8	1.6
	Heavy	21.3 X 3.2	8	0.4
20	Extra	26.9 X 2.0	15	0.4
	Light	26.9 x 2.3	10	4.1
	Medium	26.9 x 2.6	10	3.5
	Heavy	26.9 x 3.2	10	2.2
25	Extra	33.7 x 2.0	20	1.6
	Light	33.7 x 2.6	20	0.4
	Medium	33.7 x 3.2	15	4.8
	Heavy	33.7 x 4.0	15	3.2
32	Extra	42.4 X 2.0	25	3.5
	Light	42.4 x 2.6	25	2.3
	Medium	42.4 x 3.2	25	1.1
	Heavy	42.4 x 4.0	20	6.3
40	Extra	48.3 x 2.3	32	0.1
	Light	48.3 x 2.9	25	7.6
	Medium	48.3 x 3.2	25	7.0
	Heavy	48.3 x 4.0	25	5.4
	Scaffold	48.3 x 4.9	25	2.4
	Extra Hvy	48.3 x 5.4	n/a	n/a
50	Extra Light	60.3 x 2.3	40	6.4
	Light	60.3 x 2.9	40	5.2
	Medium	60.3 x 3.6	40	3.8
	Heavy	60.3 x 4.0	40	2.0
65	Extra Hvy	60.3 x 5.4	40	0.2
	Extra Light	76.1 x 2.3	50	9.8
	Light	76.1 x 3.2	50	8.0
	Medium	76.1 x 3.6	50	7.2
80	Heavy	76.1 x 4.5	50	5.4
	Extra Hvy	76.1 x 5.9	50	2.6
	Extra Light	88.9 X 2.6	65	6.0
	Light	88.9 x 3.2	65	4.8
	Medium	88.9 x 4.0	65	3.2
	Heavy	88.9 x 4.9	65	1.2
	Extra Hvy	88.9 x 5.9	50	15.3

NB	Female (Outer)	O.D. x t mm x mm	Male (Inner) N.B. Clear-mm	
90	Extra Light	101.6 X 2.6	80	5.6
	Light	101.6 x 3.2	80	4.4
	Medium	101.6 x 4.0	80	2.8
	Heavy	101.6 x 5.0	80	0.8
100	Extra Light	114.3 X 3.2	90	4.1
	Light	114.3 X 3.6	90	3.3
	Medium	114.3 x 4.5	90	1.5
	Heavy	114.3 x 5.4	80	12.6
125	Extra Light	139.7 X 3.0	100	16.9
	Light	139.7 X 3.5	100	15.9
	Medium	139.7 x 5.0	100	12.9
	Heavy	139.7 x 5.4	100	12.1
150	Extra Light	165.1 X 3.0	125	16.4
	Light	165.1 X 3.5	125	15.4
	Medium	165.1 x 5.0	125	12.4
	Heavy	165.1 X 5.4	125	11.6

Note:

Hot Dipped Galvanized CHS are not precision tubes and all dimensions shown in this chart, although in accordance with the specifications, may vary marginally. Internal weld bead height may need to be considered when a closer fit is required.

How to use this chart

1. Select the size of female (or outside) CHS closest to your needs from the left hand column.
2. Depending on the application select the clearance required between the two members. Members may need to slide freely inside each other, or be locked with a pin, spot weld or fixed with wedges. This means in some cases, a 'sloppy' fit may be suitable while for others the tightest fit possible may be appropriate.
3. Having selected the most suitable clearance for your application take the size of the male (inner) selection from column three.
4. Where two telescoping sections are being used, thickness should be similar and will be determined by normal structural requirements. If a third section is to be used, consideration of both clearance and thickness within the size list available may be required.
5. CHS may need to be fixed against twisting by welding or bolting.
6. Press Fit. For short pieces with no need for separation or sliding an interference fit can be achieved using the available ductility of the steel.

For tight fits, it is recommended that some form of testing is carried out prior to committing material. Where telescoping over some length is desired, additional allowance may be needed for straightness.

Most sections available in part lengths

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Linepipe Conversion Table

N.B.	SIZE		SCHEDULE																160	140	120	100	80	XS	60	40	STD	30	20	10	O.D.	INCH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

350G CDW TUBE



Metro Steel's 350G CDW Tube meet's CAMS & CCDA specifications for Roll Cages.

We have the most popular sizes in stock now!

Outside Diameter		Wall Thickness		Length	
Metric	Imperial	Metric	Imperial	Metric	Imperial
38.1mm	1" 1/2	2.6mm	0.102"	7330mm	24ft
44.45mm	1" 3/4	2.6mm	0.102"	7330mm	24ft
50.8mm	2"	2.6mm	0.102"	7330mm	24ft
63.5mm	2" 1/2	2.6mm	0.102"	6300mm	20ft



Most sections available in part lengths

33

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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

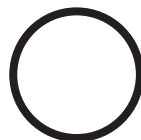
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Precision Tube - Mild Steel: Semi Bright/Black

Round Tube Mild Steel: Semi Bright/Black



Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
12.7	SEMB	1.2	6100	2907	0.344	270
12.7	SEMB	1.6	6100	2207	0.453	270
16	SEMB	1.2	6100	2315	0.432	280
16	SEMB	1.3	6100	1733	0.577	280
16	SEMB	2.0	5550	1314	0.761	217
19	SEMB	1.2	6120	1934	0.517	169
19	SEMB	1.4	6100	1642	0.609	169
19	SEMB	1.6	6100/7260	1431	0.699	169
19	SEMB	2.0		1082	0.924	169
22.2	SEMB	0.9	7320	2105	0.475	150
22.2	SEMB	1.2	6100	1647	0.607	127
22.2	SEMB	1.4	6100	1400	0.714	127
22.2	SEMB	1.6	6100	1227	0.815	127
25.4	SEMB	1.2	6100	1437	0.696	105
25.4	SEMB	1.4	6100	1221	0.819	91
25.4	SEMB	1.6	6100	1064	0.940	91
25.4	HRSB	2.0	7320	808	1.237	91
28.6	SEMB	1.2	6100	1290	0.775	76
28.6	SEMB	1.4	6100	1092	0.916	61
28.6	SEMB	1.6	6100	948	1.055	61
31.8	SEMB	1.2	6100	1159	0.863	68
31.8	SEMB	1.4	6100	985	1.015	68
31.8	SEMB	1.6	6100	855	1.169	61
35	SEMB	1.2	6100/6500	1049	0.953	61
35	SEMB	1.6		778	1.286	61
38	SEMB	1.2	6100	965	1.036	37
38	SEMB	1.6	6100	713	1.403	37
38	SEMB	2.0	6100	537	1.863	37
41.3	SEMB	1.2	7200	888	1.126	37
41.3	SEMB	1.6	6300	655	1.527	37
44.5	SEMB	1.2	7320	820	1.220	68
44.5	SEMB	1.6	6100	606	1.649	37
47.6	SEMB	1.2	7100	779	1.284	19
47.6	SEMB	1.6	6100	566	1.766	19

Most sections available in part lengths

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Precision Tube - Mild Steel Semi Bright/Black

Round Tube (Continued)

Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
51	SEMB	1.2	6100	717	1.395	53
51	SEMB	1.4	7320	609	1.642	53
51	SEMB	1.6	6100	529	1.889	19
51	HRSB	2.0	6100	400	2.502	19
54	SEMB	1.4	6100	569	1.756	19
57	SEMB	1.2	6120	627	1.594	19
57	SEMB	1.6	6100	462	2.163	19
57	SEMB	2.0	6100	348	2.875	19
63.5	SEMB	2.0	6100	314	3.183	15
63.5	HRSB	2.0	6100	314	3.187	15
70	SEMB	1.6	6100	375	2.669	15
75	SEMB	1.6	6100	34	2.879	7
76.2	S MB	1.6	6100	345	2.899	28
76.2	HRSB	2.0	6100	259	3.861	28
90	SEMB	1.6	6000	291	3.439	15

Square Tube Mild Steel: Semi Bright/Black



Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
12.7x12.7	SEMB	1.6	6100	1808	0.533	400
16x16	SEMB	1.2	6100	1887	0.530	256
16x16	SEMB	1.4	6100	1603	0.624	256
16x16	SEMB	1.6	6100	1431	0.699	256
19X19	HRSB	2.0	4600/7800	833	1.201	169
19X19	SEMB	1.2	6100	1506	0.664	169
19X19	SEMB	1.4	6100/6400	1279	0.782	169
19X19	SEMB	1.6	6100	1112	0.899	169
20x20	SEMB	1.4	6100	1229	0.814	144
20x20	SEMB	1.6	6100	1064	0.940	144
22.2x22.2	SEMB	1.2	6100	1290	0.775	121
22.2x22.2	SEMB	1.4	6100	1092	0.916	121
22.2x22.2	SEMB	1.6	6100	948	1.055	121
25.4x25.4	SEMB	1.2	6100	1145	0.873	100
25.4x25.4	SEMB	1.4	6100	974	1.027	100
25.4x25.4	SEMB	1.6	6100	837	1.195	100
25x25	SEMB	1.2	6100	1145	0.873	100
25x25	SEMB	1.4	6100	974	1.027	100
25x25	SEMB	1.6	6100	837	1.185	100

Precision Tube - Mild Steel Semi Bright/Black

Square Tube (Continued)

Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
31.8x31.8	SEMB	1.2	6100	915	1.093	64
31.8x31.8	SEMB	1.4	6100	777	1.287	64
31.8x31.8	SEMB	1.6	6100/7320	675	1.481	64
38x38	SEMB	1.6	6100/6400	566	1.766	49
50x50	SEMB	1.6	6100	419	2.389	25
55x55	SEMB	1.6	6100	382	2.615	25
60x60	SEMB	1.6	6100	347	2.879	16
12.7x12.7	SEMB	1.6	6100	1808	0.533	400
16x16	SEMB	1.2	6100	1887	0.530	256
16x16	SEMB	1.4	6100	1603	0.624	256
16x16	SEMB	1.6	6100	1431	0.699	256
19X19	HRSB	2.0	4600/7800	833	1.201	169
19X19	SEMB	1.2	6100	1506	0.664	169
19X19	SEMB	1.4	6100/6400	1279	0.782	169
19X19	SEMB	1.6	6100	1112	0.899	169

Rectangle Tube Mild Steel: Semi Bright/Black



Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
25.4x12.7	SEMB	1.6	6100	1112	0.899	200
31.8x12.7	SEMB	1.4	6100	1092	0.916	160
31.8x12.7	SEMB	1.6	6100	948	1.055	160
35x19	SEMB	1.2	6100	1095	0.913	91
35x19	SEMB	1.6	6100	810	1.235	91
38x25.4	SEMB	1.6	6100	675	1.481	70
50x20	SEMB	1.6	6100	607	1.647	60
50x25	SEMB	1.2	6525/7075	771	1.297	50
50x25	SEMB	1.6	6100	576	1.737	50
51x31.8	HRSB	2.0	6100	387	2.584	40
51x31.8	SEMB	1.2	6300/6720	710	1.409	40
51x31.8	SEMB	1.6	6100/7320	512	1.955	40
57x35	SEMB	1.6	7600	465	2.149	28
60x40	SEMB	1.6	6100	416	2.405	24
67x29	HRSB	2.0	7320	332	3.011	36
67x29	SEMB	2.0	7320	332	3.011	36
70x34	HRSB	2.0	6300/6400	265	3.775	28

Most sections available in part lengths

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Precision Tube - Mild Steel: Semi Bright/Black

Oval Tube

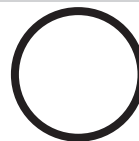
Mild Steel: Semi Bright/Black



Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
67x29	HRSB	2.0	7320	332	3.011	36
67x29	SEMB	2.0	7320	332	3.011	36
70x34	HRSB	2.0	6300/6400	265	3.775	28
30.8x15.4 FS	SEMB	1.6	640	1073	0.932	224
31.8x17.50 OV	SEMB	2.0	7150	808	1.237	120
40.5x15.25 FS	SEMB	1.6	6270	858	1.165	96
51x16 FS	SEMB	1.2	6100	942	1.062	80
51x16 FS	SEMB	1.6	6100/7320	694	1.440	80
75x16 FS	SEMB	1.6	6500	505	1.980	60

Round Tube

Mild Steel: Galvabond (Zinc Coated)



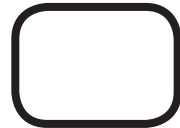
Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
12.7	MSGB	0.9	6000	3623	0.276	270
12.7	MSGB	1.2	6350	2833	0.353	270
16	MSGB	0.9	6400/7400	2882	0.347	280
16	MSGB	1.2	6150/7320	2257	0.443	280
16	MSGB	1.6	6100	1689	0.592	280
19	MSGB	0.9	6150/7550	2410	0.415	188
19	MSGB	1.2	6120/7320	1887	0.530	169
19	MSGB	1.6	6100	1560	0.641	169
19	MSGB	2.5	6050	873	1.145	169
22.2	MSGB	0.9	6150	2075	0.482	150
22.2	MSGB	1.2	6100/7320	1618	0.618	127
22.2	MSGB	1.6	6000	1196	0.863	127
25.4	MSGB	0.9	6120	1783	0.561	105
25.4	MSGB	1.2	6930/7320	1406	0.711	91
25.4	MSGB	1.6	6020/7010	1036	0.965	91
25.4	MSGB	2.0	6100	785	1.274	91
28.6	MSGB	1.2	6700/7100	1261	0.793	76
31.8	MSGB	1.2	6120/7320	1131	0.844	68
31.8	MSGB	1.6	6100/6980/7400	834	1.199	61

Precision Tube - Mild Steel Galvabond

Round Tube (Continued)

Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
38	MSGB	1.2	7420	944	1.059	37
38	MSGB	1.6	4520/6730	692	1.446	37
41.3	MSGB	1.6	7000	640	1.563	37
44.5	MSGB	1.2	6200/6250	798	1.253	37
44.5	MSGB	1.6	6530	592	1.689	37
47.6	MSGB	1.6	7320	553	1.807	19
51	MSGB	1.2	6200	700	1.429	53
51	MSGB	1.6	6100/7320	516	1.937	19
51	MSGB	2.0	6100	390	2.566	19
51	MSGB	2.5	6500	315	3.178	19
57	MSGB	1.6	6120	451	2.217	19

Rectangle Tube Mild Steel: Galvabond (Zinc Coated)



Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
25.4x12.7	HTGB	0.9	6400	1898	0.527	200
35x19	MSGB	1.6	6100/6700	789	1.266	91
35x19	MSGB	2.0	6600	597	1.674	77
38x25.4	MSGB	1.2	5000/7500/6100	897	1.115	70
38x25.4	MSGB	1.6	6120/7320/7500	659	1.518	70
38x25.4	MSGB	2.0	4500	366	2.732	70
50x10	MSGB	0.9	6100/6300	1208	0.828	125
50x20	MSGB	1.6	6500	592	1.689	60
50x25	MSGB	1.6	6100/6500	561	1.782	50
50x40	MSGB	1.6	6100	454	2.204	30
57x35	MSGB	1.6	6100/7320	451	2.218	28
63.5x38	MSGB	1.6	6100/7320	403	2.479	28
70x50	MSGB	1.6	6000/8000	339	2.953	20
76x38	MSGB	1.6	6100/7320/8000	366	2.732	18
80x40	MSGB	1.6	6100/7320	339	2.952	18
80x40	MSGB	2.0	6100/6500	256	3.903	18

Most sections available in part lengths

40

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Precision Tube - Mild Steel Galvabond

Square Tube Mild Steel Galvabond (Zinc Coated)



Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
12.7x12.7	MSGB	1.2	6100	2342	0.427	400
16x16	MSGB	0.9	6790	2415	0.414	256
16x16	MSGB	1.2	6100/7320	1838	0.544	256
19X19	MSGB	0.9	7200	1876	0.533	169
19X19	MSGB	1.2	7200	1475	0.678	169
19X19	MSGB	1.6	7320	1089	0.918	169
20x20	MSGB	1.6	6500	1404	0.712	144
20x20	MSGB	1.6	6500	1040	0.962	144
22.2x22.2	MSGB	1.2	6800	1261	0.793	121
22.2x22.2	MSGB	1.6	660	926	1.080	121
25.4x25.4	MSGB	0.9	6100	1425	0.702	100
25.4x25.4	MSGB	1.2	6100/7320	1117	0.895	100
25.4x25.4	MSGB	1.6	6100/7320	817	1.224	100
25x25	MSGB	1.6	6500	818	1.223	100
30x30	MSGB	1.2	8130	938	1.066	64
30x30	MSGB	1.6	6000/6150 6500/7320	695	1.439	64
31.8x31.8	MSGB	1.2	7320	896	1.116	64
31.8x31.8	MSGB	1.6	7500	662	1.511	64
35x35	MSGB	1.2	6500	808	1.237	49
35x35	MSGB	1.6	6500	596	1.679	49
38x38	MSGB	1.6	6100	552	1.811	49
40x40	MSGB	1.6	6000/6500/7320	516	1.932	36
40x40	MSGB	2.0	6500	390	2.564	36
41x41	MSGB	2.0	7230	390	2.561	36
45x45	MSGB	1.6	6100	454	2.204	36
50x50	MSGB	1.6	6000/6100/6300 6500/7320	408	2.450	25
50x50	MSGB	2.0	6100/8000	308	3.247	25
50x50	MSGB	2.5	7320	253	3.946	25
60x60	MSGB	1.6	6100/7320	339	2.952	16
65x65	MSGB	1.6	6300/7320	312	3.204	16
65x65	MSGB	2.5	6300/7320	189	5.278	16

Precision Tube - Mild Steel Galvabond

Oval Tube

Mild Steel: Galvabond (Zinc Coated)



Size (mm)	Material	Gauge	Length (mm)	m/t	kg/m	Pack Size
31.8x16 OV	MSGB	1.6	6100	1054	0.949	128
51x16 FS	MSGB	1.6	6100	677	1.477	80
61.8x29.6 OV	MSGB	1.6	7100	550	1.817	36
75x16 OV	MSGB	1.6	6100	694	1.440	75

Bright Bar

Rounds



Metric Size (mm)	Imp. Equiv.	kg/m	m/t	Metric Size (mm)	Imp. Equiv.	kg/m	m/t
3.00		0.056	17857	15.00		1.387	721
3.17	1/8	0.062	16129	15.87	5/8	1.553	644
3.97	5/32	0.097	10309	16.00		1.578	634
4.00		0.099	10101	17.00		1.782	561
4.76	3/16	0.140	7143	17.46	11/16	1.879	532
5.00		0.154	6494	18.00		1.997	501
5.56	7/32	0.191	5235	19.00		2.226	449
6.00		0.222	4506	19.05		2.237	447
6.35	1/4	0.249	4016	20.00		2.466	406
7.00		0.302	3310	20.64	13/16	2.626	381
7.14	9/32	0.314	3182	21.00		2.719	368
7.94	5/16	0.389	2573	22.00		2.984	335
8.00		0.395	2534	22.22	7/8	3.044	329
9.00		0.499	2003	23.00		3.261	307
9.52	3/8	0.559	1790	23.81	15/16	3.495	286
10.00		0.617	1622	24.00		3.551	282
11.00		0.746	1341	25.00		3.853	260
11.11	7/16	0.761	1314	25.40	1"	3.977	251
12.00		0.888	1126	26.00		4.168	240
12.70	1/2	0.994	1006	26.99	1-1/16	4.491	223
13.00		1.042	960	27.00		4.494	223
14.00		1.208	828	28.00		4.833	207
14.29		1.259	794	28.57	1-1/8	5.032	199

Most sections available in part lengths

Bright Bar

Rounds (continued)



Metric Size (mm)	Imp. Equiv.	kg/m	m/t	Metric Size (mm)	Imp. Equiv.	Kg/m	m/t
30.00		5.549	180	63.50		24.859	40
31.75	1-1/4	6.215	161	65.00		26.047	38
32.00		6.313	158	66.67	2-5/8	27.403	36
33.00		6.714	149	69.85	2-3/4	30.079	33
33.34	1-5/16	6.853	146	70.00		30.209	33
34.92	1-3/8	7.518	133	75.00		34.678	29
35.00		7.552	132	76.20	3"	35.797	28
36.00		7.990	125	80.00		39.456	25
38.10	1-1/2	8.949	112	85.00		44.542	22
39.00		9.377	107	88.90	3-1/2	48.723	21
40.00		9.864	101	90.00		49.937	20
41.27	1-5/8	10.500	95	95.00		55.639	18
42.00		10.875	92	95.25	3-3/4	55.932	18
44.45	1-3/4	12.181	82	100.00		61.650	16
45.00		12.484	80	101.60	4"	63.639	16
47.62	1-7/8	13.980	72	110.00		74.597	13
48.00		14.204	70	114.30	4-1/2	80.543	12
50.00		15.413	65	120.00		88.776	11
50.80	2"	15.910	63	127.00	5"	99.435	10
52.00		16.670	60	130.00		104.189	10
55.00		18.649	54	139.70	5-1/2	120.317	8
56.00		19.333	52	140.00		120.834	8
57.15	2-1/4	20.136	50	150.00		138.713	7
60.00		22.194	45	152.40	6"	143.187	7
60.32	2-3/8	22.431	45				

Hexagon



Metric Size (mm)	Imp. Equiv.	kg/m	m/t	Metric Size (mm)	Imp. Equiv.	kg/m	m/t
3.20		0.069	14492	6.00		0.245	4086
4.00		0.109	9174	6.35	1/4	0.274	3648
4.76	3/16	0.154	6492	7.00		0.333	3002
5.00		0.170	5884	7.14	9/32	0.347	2886
5.50		0.206	4854				
5.56	7/32	0.210	4758				

Bright Bar

Hexagon (continued)



Metric Size (mm)	Imp. Equiv.	kg/m	m/t	Metric Size (mm)	Imp. Equiv.	kg/m	m/t
7.94	5/16	0.429	2333	25.00		4.249	235
8.00		0.435	2298	25.40	1"	4.386	228
9.52	3/8	0.616	1623	25.65	1.010	4.473	224
10.00		0.680	1471	26.99	1-1/16	4.952	202
11.00		0.823	1216	27.00		4.956	202
11.11	7/16	0.839	1192	28.57	1-1/8	5.549	180
12.70	1/2	1.096	912	30.00		6.118	163
13.00		1.149	870	30.48	1.200	6.316	158
14.00		1.332	751	31.75	1-1/4	6.853	146
14.29	9/16	1.388	720	32.00		6.961	144
15.00		1.530	654	33.02	1.300	7.412	135
15.24	0.600	1.579	633	33.34	1-5/16	7.556	132
16.00		1.740	575	34.92	1-3/8	8.290	121
17.00		1.965	509	36.00		8.810	114
17.46	11/16	2.072	483	36.51	1-7/16	9.062	110
19.00		2.454	407	37.59	1.480	9.606	104
19.05	3/4	2.467	405	38.00		9.816	102
20.64	13/16	2.896	345	38.10	1-1/2	9.868	101
20.83	0.820	2.950	339	42.42	1.670	12.233	82
21.00		2.998	334	46.00		14.385	70
22.00		3.290	304	47.24	1.860	15.171	66
22.22	7/8	3.356	298	52.07	2.050	18.431	54
23.37		3.713	269	55.00		20.564	49
23.81	15/16	3.854	259	61.21	2.410	25.470	39
24.00		3.916	255				

Flat Square Edge



Size (mm)	kg/m	m/t	Size (mm)	kg/m	m/t	Size (mm)	kg/m	m/t
10 x 4	0.314	3185	12 x 4	0.377	2654	16 x 4	0.502	1990
10 x 5	0.393	2548	12 x 5	0.471	2123	16 x 5	0.628	1592
10 x 6	0.471	2123	12 x 6	0.565	1769	16 x 6	0.754	1327
10 x 7	0.550	1820	12 x 7	0.659	1517	16 x 7	0.879	1137
10 x 8	0.628	1592	12 x 8	0.754	1327	20 x 3	0.471	2123
12 x 3	0.283	3539	16 x 3	0.377	2654	20 x 4	0.628	1592

Most sections available in part lengths

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Bright Bar

Flat Square Edge (Continued)

Size (mm)	kg/m	m/t
20 x 5	0.785	1274
20 x 7	1.099	910
20 x 10	1.570	637
25 x 3	0.589	1699
25 x 4	0.785	1274
25 x 5	0.981	1019
25 x 7	1.374	728
25 x 10	1.963	510
25 x 15	2.944	340
32 x 4	1.005	995
32 x 5	1.256	796
32 x 7	1.758	569
32 x 10	2.512	398
32 x 15	3.768	265
32 x 20	5.024	199

Size (mm)	kg/m	m/t
32 x 25	6.280	159
40 x 4	1.256	796
40 x 5	1.570	637
40 x 7	2.198	455
40 x 10	3.140	318
40 x 15	4.710	212
40 x 20	6.280	159
40 x 25	7.850	127
50 x 4	1.570	637
50 x 5	1.963	510
50 x 7	2.748	364
50 x 10	3.925	255
50 x 15	5.888	170
50 x 20	7.850	127
50 x 25	9.813	102

Size (mm)	kg/m	m/t
75 x 4	2.355	425
75 x 5	2.944	340
50 x 7	4.121	243
50 x 10	5.888	170
50 x 15	8.831	113
50 x 20	11.775	85
50 x 25	14.719	68
100 X 4	3.140	318
100 x 5	3.925	255
100 x 7	5.495	182
100 x 10	7.850	127
100 x 15	11.775	85
100 x 20	15.700	64
100 x 25	19.625	51

Square

Metric Size (mm)	Imp. Equiv.	kg/m	m/t
3.0		0.071	14084
4.0		0.126	7936
5.0		0.196	5102
7.94	5/16	0.495	2021
8.00		0.502	1990
9.52	3/8	0.711	1406
10.00		0.785	1274
12.00		1.130	885
12.70	1/2	1.266	790
13.00		1.327	754
14.00		1.539	650
15.87	5/8	1.977	506
16.00		2.010	498

Metric Size (mm)	Imp. Equiv.	kg/m	m/t
18.00		2.543	393
19.05	3/4	2.849	351
20.00		3.140	318
22.22	7/8	3.876	258
25.00		4.906	204
25.40	1"	5.065	197
28.00		6.154	162
28.57	1-1/8	6.408	156
31.75	1-1/4	7.913	126
32.00		8.038	124
34.92	1-3/8	9.572	104
35.00		9.616	104
38.10	1-1/2	11.395	88

Hollow Bar

Mecaval 147M



Size (mm)	kg/m	Size (mm)	kg/m	Size (mm)	kg/m
32 X 16	5	85 X 45	32.6	125 X 100	35.1
32 X 20	4.2	85 X 50	29.7	132 X 71	78.1
36 X 16	6.7	85 X 55	26.5	132 X 80	69
36 X 20	5.8	85 X 67	17.5	132 X 90	58.7
36 X 25	4.5	90 X 50	35.1	132 X 98	49.6
40 X 20	7.8	90 X 56	31.2	132 X 106	39.5
40 X 25	6.4	90 X 63	26.1	140 X 80	83.9
40 X 28	5.4	90 X 67	22.9	140 X 90	72.4
45 X 20	10.4	90 X 71	19.5	140 X 100	60.6
45 X 28	10.4	95 X 50	40.8	140 X 112	44.8
45 X 32	6.6	95 X 56	37	150 X 80	103.1
45 X 36	5	95 X 63	31.8	150 X 95	86.6
50 X 25	12.1	95 X 67	28.6	150 X 106	73.6
50 X 32	9.6	95 X 75	21.6	150 X 118	56.1
50 X 36	7.9	100 X 56	42.9	160 X 112	84.3
56 X 28	15.2	100 X 63	37.9	160 X 122	69.7
56 X 36	12	100 X 71	31.3	160 X 132	53.3
56 X 40	10.1	100 X 75	27.7	170 X 100	121.5
63 X 32	18.5	100 X 80	22.9	170 X 110	108.3
63 X 36	16.8	106 X 56	50.5	170 X 118	96.7
63 X 40	14.9	106 X 63	45.4	170 X 130	77.9
63 X 45	12.3	106 X 71	38.6	170 X 140	61.1
63 X 50	9.4	106 X 80	30.2	180 X 100	143.4
71 X 36	23.5	106 X 85	25.3	180 X 125	108
71 X 40	21.8	112 X 63	53.4	180 X 140	83.1
71 X 45	19.1	112 X 71	47.3	180 X 150	65.1
71 X 50	16.2	112 X 80	38.7	190 X 106	162.8
71 X 56	12.3	112 X 85	33.6	190 X 132	120.7
75 X 40	25.4	112 X 90	28.2	190 X 150	88.8
75 X 45	22.7	118 X 63	61.9	190 X 160	69.4
75 X 50	19.7	118 X 71	55.3	200 X 112	177
75 X 56	15.9	118 X 80	46.9	200 X 140	133.9
75 X 60	13	118 X 85	41.8	212 X 150	146.6
80 X 40	30.1	118 X 90	36.3	200 X 160	97.4
80 X 45	27.5	118 X 95	30.6	212 X 125	188.3
80 X 50	24.6	125 X 71	65.8	212 X 150	146.6
80 X 56	20.7	125 X 80	57.4	212 X 170	108
80 X 63	15.6	125 X 90	46.9	224 X 132	210.3

Most sections available in part lengths

Hollow Bar

Mecaval 147M (Continued)



Size (mm)	kg/m
224 X 160	160.8
224 X 180	119.7
236 X 140	232
236 X 170	175.6
236 X 190	132
250 X 150	257.1
250 X 180	197.5
250 X 200	152.6

Size (mm)	kg/m
273 X 173	274.9
273 X 193	230
273 X 213	180
273 X 223	152.9
298.5 X 198.5	306.4
298.5 X 208.5	281.3
298.5 X 218.5	255
298.5 X 238.5	199

Size (mm)	kg/m
298.5 X 266	111
323.9 X 183.9	438.3
323.9 X 223.9	338
323.9 X 243.9	280.1
323.9 X 273.9	184.3
355.6 X 205.6	518.8
355.6 X 255.6	377
355.6 X 275.6	311

4140 Alloy



Size (mm)	kg/m
71 X 45	19.1
75 X 40	24.5
75 X 50	19.257
80 X 40	29.592
80 X 50	24.6
85 X 45	32.6
90 X 50	35.1

Size (mm)	kg/m
95 X 63	31.8
95 X 75	21.6
106 X 63	45.6
106 X 71	38.9
106 X 80	30.4
118 X 63	62.5
118 X 80	47.2

Size (mm)	kg/m
140 X 80	83.9
150 X 106	73
160 X 90	112.1
203.6 X 138.3	144.69
250 X 114.3	304.634

Heavy Round

Grade K1045



Size (mm)	kg/m
100	63.192
110	76.4614
120	90.9954
130	106.7932
140	123.8549
150	142.1803
160	161.7696
170	182.6227
180	204.7397
190	228.1204

Size (mm)	kg/m
200	251.5567
210	277.0798
220	303.8359
230	331.825
240	361.0471
250	391.5022
260	423.1903
270	456.1114
280	490.2655
300	566.0025

Size (mm)	kg/m
310	603.9789
320	643.1883
340	725.3061
360	812.3559
380	904.3377
400	1006.227
410	1056.656
420	1108.319
440	1215.343
460	1327.3

Heavy Round

Grade 1020



Size (mm)	kg/m
110	76.4614
120	90.9954
130	106.7932

Size (mm)	kg/m
140	123.8549
150	142.1803
160	161.7696

Size (mm)	kg/m
170	182.6227
180	204.7397
190	228.1204

Round

Improved Machinability 1045



Size (mm)	kg/m
45	12.796
50	15.798
56	19.817

Size (mm)	kg/m
60	22.749
65	26.699
70	30.964

Size (mm)	kg/m
75	35.545
80	40.442
90	51.185

General Purpose Gal Mesh

Item Name	Width (mm)	Height (mm)	kg each
25 X 25 X 2.3 Gal Mesh	2000	1200	8
50 X 25 X 2.3 Gal Mesh	2000	1200	6
50 X 50 X 3.15 Gal Mesh	2000	1200	10
75 X 50 X 3.5 Gal Mesh	2000	1200	8
100 X 100 X 4 Gal Mesh	2000	1200	5
*Also available 1.2 X 2.4			
25 X 25 X 2.5 Gal Mesh	3000	2400	23
25 X 25 X 3.15 Gal Mesh	3000	2400	36
50 X 25 X 2.5 Gal Mesh	3000	2400	17
50 X 25 X 3.15 Gal Mesh	3000	2400	27
50 X 50 X 4 Gal Mesh	3000	2400	29
75 X 50 X 4 Gal Mesh	3000	2400	24
75 X 50 X 5 Gal Mesh	3000	2400	38
100 X 100 X 5 Gal Mesh	3000	2400	28

Most sections available in part lengths

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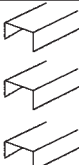
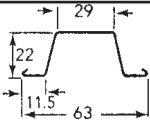
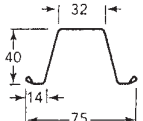
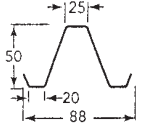
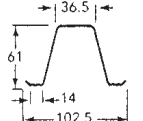
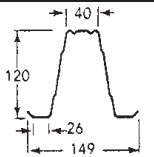
Reinforcing Mesh

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
R11TM200	6.0	0.2	13
R11TM300	6.0	0.3	18
R11TM400	6.0	0.4	22
R11TM500	6.0	0.5	26
R12TM200	6.0	0.2	16
R12TM300	6.0	0.3	22
R12TM400	6.0	0.4	27
R12TM500	6.0	0.5	33

Building Frame Components

Profile	Product	Size (mm)	BMT (mm)	Stock Lengths (mm)
	Standard Stud	75 X 32	1.2	7500
		75 X 32	1.0	7500
	Standard Nogging	72 X 34	1.2	7500
		72 X 34	1.0	7500
	Plate	78 X 31	1.2	7500
		78 X 31	1.0	7500
	Topspan 22 Ceiling Batten		0.42	6100
	Topspan 40 Roof Batten		0.55	7500
	Topspan 50 Roof Batten		0.75	7500
	Topspan 61 Garage Batten		0.60	Custom Cut
			0.75	7500
			1.00	3600/6100/7500
	Topspan 120 Rural Batten		0.70	Custom Cut
			0.90	6100
			1.00	6100

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

Most sections available in part lengths

50

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Gold 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

Gold Formed Lipped Channels



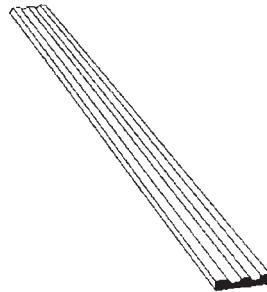
Item Name	Web (mm)		Flange (mm)		Lip (mm)	Thickness (mm)	kg/m
LL05116	51	X	35	X	12	1.5	1.68
LL06425	64	X	38	X	13	2.5	2.90
LL07610	76	X	44	X	11	1.0	1.43
LL07625	76	X	44	X	16	2.5	3.49
LL10225	102	X	51	X	18	2.5	4.39
LL10230	102	X	51	X	19	3.0	5.25
LL12725	127	X	51	X	18	2.5	4.89
LL12730	127	X	51	X	19	3.0	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

Galintel Steel Lintel

Cold Rolled Sections - Galvanised

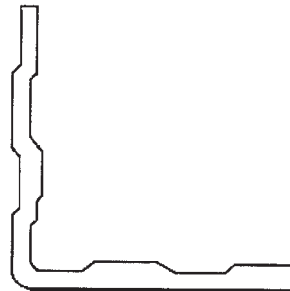
Flat 85mm X 7mm

Product Code	Length (m)	kg/length
SF08	0.8	3.44
SF09	0.9	3.87
SF10	1.0	4.3
SF11	1.1	4.73
SF12	1.2	5.16
SF14	1.4	6.02



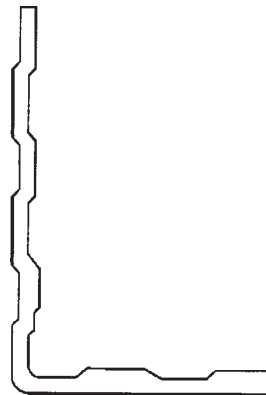
Angle 100mm X 100mm X 6mm

Product Code	Length (m)	kg/length
GRL109	0.9	6.381
GRL112	1.2	8.508
GRL115	1.5	10.635
GRL118	1.8	12.762
GRL121	2.1	14.889
GRL124	2.4	17.016



Angle 150mm X 100mm X 6mm

Product Code	Length (m)	kg/length
GRL109	0.9	6.381
GRL112	1.2	8.508
GRL115	1.5	10.635
GRL118	1.8	12.762
GRL121	2.1	14.889
GRL124	2.4	17.016



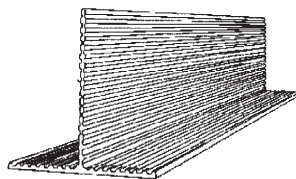
Most sections available in part lengths

Galintel Steel Lintel

Cold Rolled Sections - Galvanised

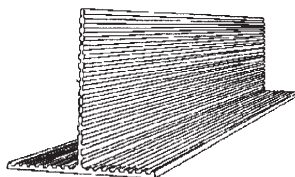
T Bar 200mm X 200mm X 7mm

Product Code	Length (m)	kg/length
TB727	2.7	49.005
TB730	3.0	54.450
TB733	3.3	59.895



T Bar 200mm X 200mm X 9mm

Product Code	Length (m)	kg/length
TB936	3.6	83.340
TB939	3.9	90.285
TB942	4.2	97.230
TB945	4.5	104.175
TB948	4.8	111.120
TB951	5.1	118.065
TB954	5.4	125.010
TB957	5.7	131.955



Rendabar 100mm X 100mm X 8mm

Product Code	Length (m)	kg/length
RDB09	0.9	7.2
RDB12	1.2	9.6
RDB15	1.5	12.0
RDB18	1.8	14.4
RDB21	2.1	16.8
RDB24	2.4	19.2



Rendabar 150mm X 100mm X 8mm

Product Code	Length (m)	kg/length
RDBL21	2.1	21
RDBL24	2.4	24
RDBL27	2.7	27
RDBL30	3.0	30
RDBL33	3.3	33
RDBL36	3.6	36



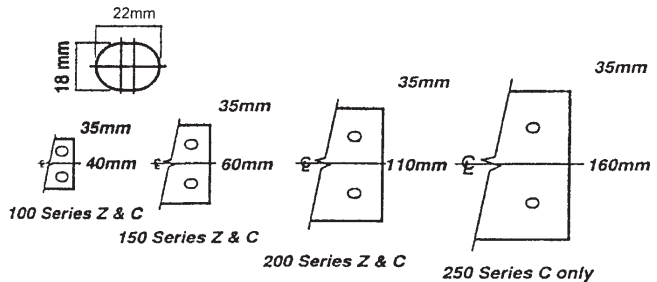
Z Section Purlins

Item Name	kg/m	Depth Section	Flange			Thick	Diagram
			Width	Width	Lip		
		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		Thick	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	

Hole Punching Details



Most sections available in part lengths

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E & OE

MetroSteel
STRENGTH & SERVICE

Bondek Structural Decking

Item Name	Thickness	Width	kg/m
Bondek .60 Domestic	0.60	590	4.88
Bondek .75 Domestic	0.75	590	6.05
Bondek 1.00 Domestic	1.00	590	7.99

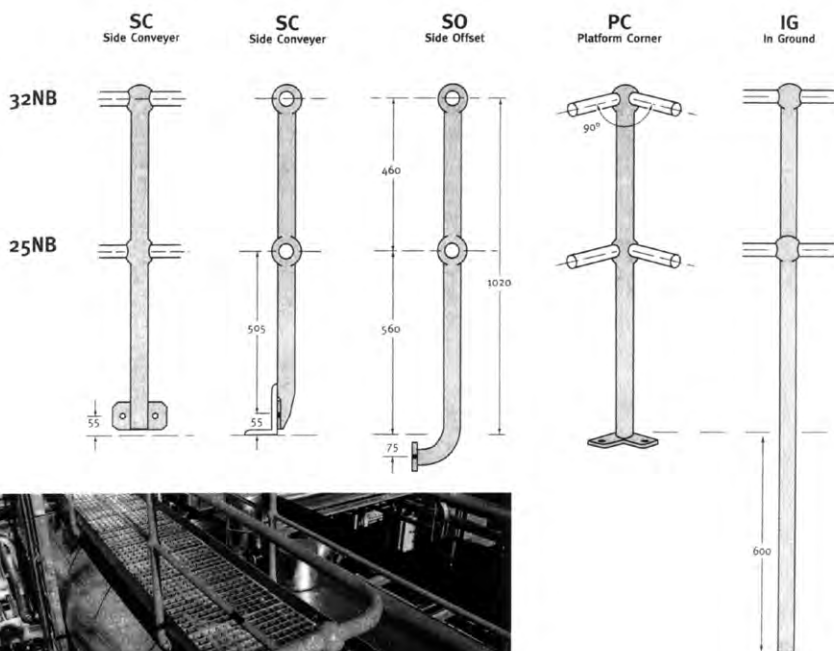
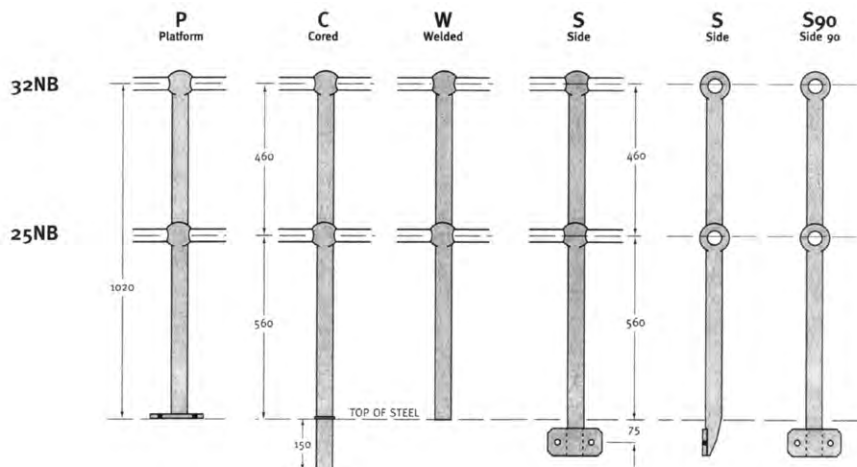
Roof & Wall Sheeting

Roofing and Walling Profiles	BMT (mm)	Mass kg/m ²	Width of Coverage (mm)	Depth of Rib (mm)	Minimum Recommended Roof Pitch (mm)	Max recommended spacing of supports for normal conditions		
						ROOF		WALLS
						Internal Spans (mm)	End Spans (mm)	Internal Spans (mm)
 Custom Orb® (Corrugated)	0.42	4.30	762	16	5 degrees	1200	900	2700
	0.48	4.90	762	16	(1 in 12)	1700	1300	2700
 Custom Blue Orb® For Curving	0.60	6.03	762	17	5 degrees	1800	1600	3300
	0.80	7.97	762	17	(1 in 12)	2600	1800	3600
 Trimdek Hi-Ten®	0.42	4.30	762	29	2 degrees	1900	1300	3000
	0.48	4.90	762	29	(1 in 30)	2600	1850	3000
 Spandek Hi-Ten®	0.42	4.70	700	24	3 degrees	2400	1800	3300
	0.48	5.30	700	24	(1 in 20)	3000	2200	3300
 Klip-Lok 406®	0.42	4.90	406	41	2 deg (1 in 30)	2100	1700	1800
	0.48	5.60	406	41	1 deg(1 in 50)	3000	2400	2400
	0.60	6.90	406	41	1 deg(1 in 50)	3600	2700	3000
 Klip-Lok 700®	0.42	4.66	700	41	2 deg (1 in 30)	2200	1750	3600
	0.48	5.28	700	41	1 deg (1 in 50)	2800	2350	3900
 Flatdek™	0.42	6.25	250	45	2 deg (1 in 30)	3600	4000	na
	0.42	6.25	620	45	2 deg (1 in 30)	3600	4000	na

Flatdek 620 manufactured in Qld only.

Please note, other manufacturers sheet profiles may differ in dimensions and name.

Stanchions - Handrails



Most sections available in part lengths

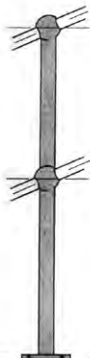
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MetroSteel[®]
STRENGTH & SERVICE

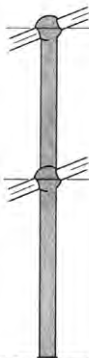
E & OE

Stanchions - Handrails

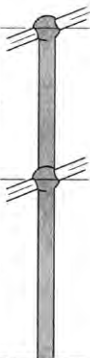
PA
Platform Angle



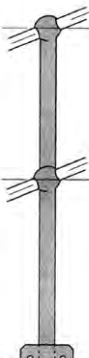
CA
Cored Angle



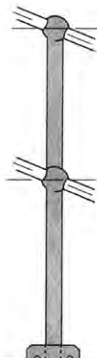
WA
Welded Angle



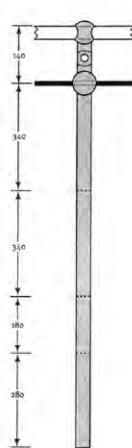
SAL
Side Angle Left



SAR
Side Angle Right



SHS
Swivel Head Stanchion



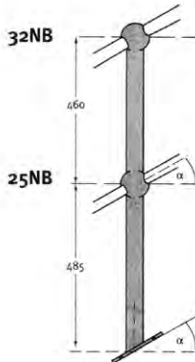
SHS
Swivel Head Stanchion



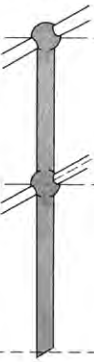
α Angle Drillings
Angle drilled stanchions can be made to order
with any angle designated between $1^\circ - 45^\circ$

Left and Right Hand Side
Going Up the Stairs

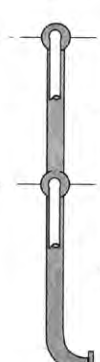
AM
Angle Mounted



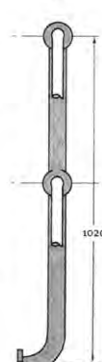
AMW
Angle Mounted Welded



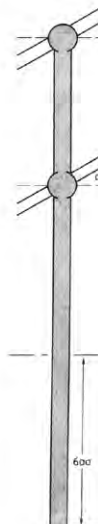
SOAL
Side Offset Angle Left



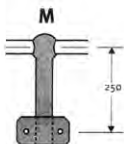
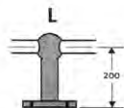
SOAR
Side Offset Angle Right



IGA
In Ground Angle



32NB



Birmingham Gauge Converter

Inch Equiv. to mm	T/ness 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 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
 $219.1 - 6.4 \times 6.4 \times 0.0246615 = 33.57\text{kg / Metre}$

For 25nb med blk pipe
 $33.7 - 3.2 \times 3.2 \times 0.0246615 = 2.4\text{kg / metre}$

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

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
 $1200 \times 1200 = 1440000$
 $+ 2400 \times 2400 = 5760000$
 $7200000 > \text{square root} = 2683.28\text{mm}$



CAN METRO STEEL FABRICATE SOMETHING FOR YOU?

At metro Steel we offer a full fabrication service, our qualified tradespeople specialise in structural steel work supplying many Brisbane builders and construction companies with their fabricated beams and columns. We can also organise for your material to be hot-dipped galvanised and have an in-house painting service. Whether it's a simple gate frame or a shade sail post, or if you're building your new home or warehouse, look no further than Metro Steel.

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Most of the sections we sell are available in part lengths.

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Fabrication

Full in-house fabrication & painting service available.

Welding Supplies

Welding Rods, Mig Wire, Welding Helmets.

Consumables

Cutting & Grinding Disks, Cold Gal Cans, Safety Glasses, Welding & Riggers Gloves, Ear Plugs.

Fasteners, Caps & Brackets

Great range of Fasteners & Threaded Rod, Square & Round Gal Caps, Gate Fittings, Hot Dip Gal Brackets, Butt Weld Elbows, Step Tread Brackets, Turnbuckles.

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Steel Sheet, Aluminium, Stainless Steel, Special Steel, Expanded & Perforated Sheet, Fencing, Valves & Fittings.

MS MetroSteel®

STRENGTH & SERVICE

'WHAT YOU WANT WHEN YOU WANT IT'



COLOUR CHART - END CODE & THICKNESS

RHS	Violet - 1.6mm	Dark Grey Blue - 3.5mm
	Custard - 2.0mm	Jade - 4.0mm
	Silver - 2.3	Marigold - 5.0mm
	Rose Pink - 2.5	White - 6.0mm
	Gold - 2.8	Purple - 9.0mm
	Bluebell - 3.0mm	
PIPE	Jade - Extra Light	Signal Red - Heavy
	Custard - Light	White - Extra Heavy
	Bluebell - Medium	

Phone: 3204 1000

www.metrosteel.com.au

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