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Stocklist

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Stocklist Issue: 01/08/13

***If the item you are looking for is not listed,
then please contact our sales team***



Company History

Eggleston Steel Ltd (formally Eggleston Bros. Ltd.) is one of the oldest companies in Derby, dating back to 1809.

The company started life as part of Joseph E. Hunt's Ironmongers, purchased by Mathias Eggleston for sons, Walter and George.



The brothers worked together in the Iron Bar Warehouse until 1914, after which Walter continued on his own, taking over John Beatson & Son, Railway Engineers. In 1932, the two businesses were amalgamated to form Eggleston Bros. & Beatson, concentrating wholly on iron and steel trading.

As demands changed, the main stock of wrought iron gave way to black and bright mild and alloy steels, which were required by the majority of customers.

During both World Wars many businesses suffered but Eggleston was provided with enough work to survive. Business improved further after the Second World War when a raft of confusing legislation led to a growth of the market share for stockholders.

Walter Eggleston died in 1950, the business passing to his nephew Joseph Eggleston Burrows. Known as Seph, he was the last person in the business to bear the name Eggleston.

With no doubt that larger premises were required the company moved to premises in Stuart Street in 1964 and changed its name to Eggleston Bros. Ltd.

In 1977, Seph died and another family member, Tony Hewitt, took over. In the intervening years, despite a steel strike and two trade recessions, the company continued to expand to meet demand.

During the mid-90's Eggleston Bros implemented a quality assurance system gaining a UKAS accredited BS5750 certification in 1996. The company has maintained continuous certification to this day, currently as ISO9001.

Tony Hewitt retired in 2000 and his son Richard became MD. By the millennium, the company had outgrown the Stuart Street site and, in 2003, it relocated to larger premises in Alfreton Road increasing its stock range to meet the demand.

In 2008 the company ventured into Plasma profiling. This has successfully grown into a stand-alone division, now occupying its own premises.

2009 saw the bi-centenary year and a corporate re-branding to Eggleston Steel Ltd which continues to stock, process and supply a comprehensive range of mild steels and non-ferrous metals to customers throughout the Midlands.

Eggleston Steel Ltd. continues to build on its success and is committed to ongoing investment in its staff, the latest technology, plant and equipment.

HIGH DEFINITION PLASMA PROFILING

HD Plasma Profiling can offer the buyer a near laser quality finish with a great price saving

- From 0.5mm to 40mm thick plate.
- 2 off HPR 260 XD machines on a 13m x 4m cutting area with TRUE HOLE technology
- S275/S355/ABRO/EN8/RQT/CORTEN/BOILER
- STAINLESS
- Spot Marking



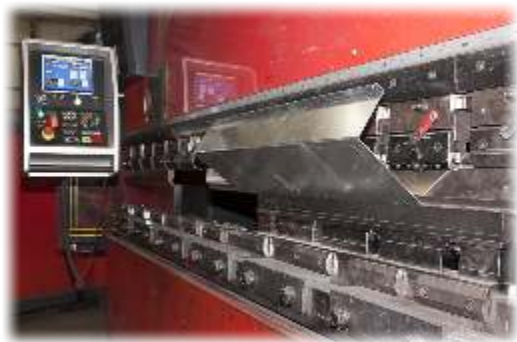
OXY / PROPANE GAS PROFILING

- 6mm to 250mm thick plate.
- Twin head system 13m x 4m cutting area.
- Split Tees & Haunches cut up to 10m long
- S275
- S355
- ABRO
- EN8
- RQT
- CORTEN



Associated Services for Profiling

- CAD drawing service of customers design or sketch done FREE OF CHARGE
- All popular CAD file formats accepted DFX; DWG; NC1
- Scan & draw import to CAD from paper or card template
- Shape development for rolling Cylinder; Cone; Lobster-Back; Square to Round; ask for other shape developments
- Weld Prep/straight edge bevel using Gullco Plate Beveller at any length and width
- Shear/guillotine up to 3m in 12mm plate or 10mm Durbar - See Section: '**Shearing. Folding & Punching**'



Shearing, Folding & Punching

Shearing/Guillotining

- 3m width up to 12.5mm in Mild Steel
- 3m width up to 10mm in Floor Plate
- 3m width up to 6mm in Stainless Plate
- Up to 3mm thick, Min strip width = 22mm
- Above 3mm thick, Min strip width = 25mm
- For thicker material / larger sizes See Section: '**Profiling**'

Folding

- 170 Tonne AMADA HFE machine
- 4m fold width



Shearing, Folding & Punching

Punching

- Piranha P90 machine
- 5 to 36mm round and flat-sided oval for holes and slots. Other shapes on request
- 26 gauge to 25mm thick plate in Mild steel

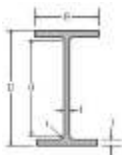


Sawing, Manual & CNC

- Max rectangular 400 x 500mm
- Max Round 400mm
- Mitres at any angle up to 60 Deg
- Single bar and bundle feed

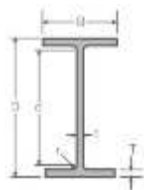


Universal Beams BS4-1:2005



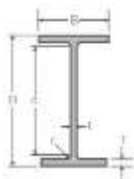
Size mm	Kg/m	D	B	t	T	r	d
914 x 419 x 388	388.0	921.0	420.5	21.4	36.6	24.1	799.6
914 x 419 x 343	343.3	911.8	418.5	19.4	32.6	24.1	799.6
914 x 305 x 289	289.1	926.6	307.7	19.5	32.0	19.1	824.4
914 x 305 x 253	253.4	918.4	305.5	17.3	27.9	19.1	824.4
914 x 305 x 224	224.2	910.4	304.1	15.9	23.9	19.1	824.4
914 x 305 x 201	200.9	903.0	303.3	15.1	20.2	19.1	824.4
838 x 292 x 226	226.5	850.9	293.8	16.1	26.8	17.8	761.7
838 x 292 x 194	193.8	840.7	292.4	14.7	21.7	17.8	761.7
838 x 292 x 176	175.9	834.9	291.7	14.0	18.8	17.8	761.7
762 x 267 x 197	196.8	769.8	268.0	15.6	25.4	16.5	686.0
762 x 267 x 173	173.0	762.2	266.7	14.3	21.6	16.5	686.0
762 x 267 x 147	146.9	754.0	265.2	12.8	17.5	16.5	686.0
762 x 267 x 134	133.9	750.0	264.4	12.0	17.5	15.5	686.0
686 x 254 x 170	170.2	692.9	255.8	14.5	23.7	15.2	615.1
686 x 254 x 152	152.4	687.5	254.5	13.2	21.0	15.2	615.1
686 x 254 x 140	140.1	683.5	253.7	12.4	19.0	15.2	615.1
686 x 254 x 125	125.2	677.9	253.0	11.7	16.2	15.2	615.1
610 x 305 x 238	238.1	635.8	311.4	18.4	31.4	16.5	540.0
610 x 305 x 179	179.0	620.2	307.1	14.1	23.6	16.5	540.0
610 x 305 x 149	149.1	612.4	304.8	11.8	19.7	16.5	540.0

Universal Beams BS4-1:2005



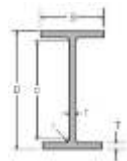
Size mm	Kg/m	D	B	t	T	r	d
610 x 229 x 140	139.9	617.2	230.2	13.1	22.1	12.7	547.6
610 x 229 x 125	125.1	612.2	229.0	11.9	19.6	12.7	547.6
610 x 229 x 113	113.0	607.6	228.2	11.1	17.3	12.7	547.6
610 x 229 x 101	101.2	602.6	227.6	10.5	14.8	12.7	547.6
533 x 210 x 122	122.0	544.5	211.9	12.7	21.3	12.7	476.5
533 x 210 x 109	109.0	539.5	210.8	11.6	18.8	12.7	476.5
533 x 210 x 101	101.0	536.7	210.0	10.8	17.4	12.7	476.5
533 x 210 x 92	92.1	533.1	209.3	10.1	15.6	12.7	476.5
533 x 210 x 82	82.2	528.3	208.8	9.6	13.2	12.7	476.5
457 x 191 x 98	98.3	467.2	192.8	11.4	19.6	10.2	407.6
457 x 191 x 89	89.3	463.4	191.9	10.5	17.7	10.2	407.6
457 x 191 x 82	82.0	460.0	191.3	9.9	16.0	10.2	407.6
457 x 191 x 74	74.3	457.0	190.4	9.0	14.5	10.2	407.6
457 x 191 x 67	67.1	453.4	189.9	8.5	14.5	10.2	407.6
457 x 152 x 82	82.1	465.8	155.3	10.5	18.9	10.2	407.6
457 x 152 x 74	74.2	462.0	154.4	9.6	17.0	10.2	407.6
457 x 152 x 67	67.2	458.0	154.4	9.0	15.0	10.2	407.6
457 x 152 x 60	59.8	454.6	152.9	8.1	13.3	10.2	407.6
457 x 152 x 52	52.3	449.8	152.4	7.6	10.9	10.2	407.6

Universal Beams BS4-1:2005



Size mm	Kg/m	D	B	t	T	r	d
406 x 178 x 74	74.2	412.8	179.5	9.5	16.0	10.2	360.4
406 x 178 x 67	67.1	409.4	178.8	8.8	14.3	10.2	360.4
406 x 178 x 60	60.1	406.4	177.9	7.9	12.8	10.2	360.4
406 x 178 x 54	54.1	402.6	177.7	7.7	10.9	10.2	360.4
406 x 140 x 46	46.0	403.2	142.2	6.8	11.2	10.2	360.4
406 x 140 x 39	39.0	398.0	141.8	6.4	8.6	10.2	360.4
356 x 171 x 67	67.1	363.4	173.2	9.1	15.7	10.2	311.6
356 x 171 x 57	57.0	358.0	172.2	8.1	13.0	10.2	311.6
356 x 171 x 51	51.0	355.0	171.5	7.4	11.5	10.2	311.6
356 x 171 x 45	45.0	351.4	171.1	7.0	9.7	10.2	311.6
356 x 127 x 39	39.1	353.4	126.0	6.6	10.7	10.2	311.6
356 x 127 x 33	33.1	349.0	125.4	6.0	8.5	10.2	311.6
305 x 165 x 54	54.0	310.4	166.9	7.9	13.7	8.9	265.2
305 x 165 x 46	46.1	306.6	165.7	6.7	11.8	8.9	265.2
305 x 165 x 40	40.3	303.3	165.0	6.0	10.2	8.9	265.2
305 x 127 x 48	48.1	311.0	125.3	9.0	14.0	8.9	265.2
305 x 127 x 42	41.9	307.2	124.3	8.0	12.1	8.9	265.2
305 x 127 x 37	37.0	304.4	123.3	7.1	10.7	8.9	265.2

Universal Beams BS4-1:2005

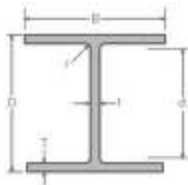


Size mm	Kg/m	D	B	t	T	r	d
305 x 102 x 33	32.8	312.7	102.4	6.6	10.8	7.6	275.9
305 x 102 x 28	28.2	308.7	101.8	6.0	8.8	7.6	275.9
305 x 102 x 25	24.8	305.1	101.6	5.8	7.0	7.6	275.9
254 x 146 x 43	43.0	259.6	147.3	7.2	12.7	7.6	219.0
254 x 146 x 37	37.0	256.0	146.4	6.3	10.9	7.6	219.0
254 x 146 x 31	31.1	251.4	146.1	6.0	8.6	7.6	219.0
254 x 102 x 28	28.3	260.4	102.2	6.3	10.0	7.6	225.2
254 x 102 x 25	25.2	257.2	101.9	6.0	8.4	7.6	225.2
254 x 102 x 22	22.0	254.0	101.6	5.7	6.8	7.6	225.2
203 x 133 x 30	30.0	206.8	133.9	6.4	9.6	7.6	172.4
203 x 133 x 25	25.1	203.2	133.2	5.7	7.8	7.6	172.4
203 x 102 x 23	23.1	203.2	101.8	5.4	9.3	7.6	169.4
178 x 102 x 19	19.0	177.8	101.2	4.8	7.9	7.6	146.8
152 x 89 x 16	16.0	152.4	88.7	4.5	7.7	7.6	121.8
127 x 76 x 13	13.0	127.0	76.0	4.0	7.6	7.6	96.6

Related services:
- **Sawing**

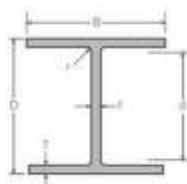


Universal Columns BS4-1:2005



Size mm	Kg/m	D	B	t	T	r	d
356 x 406 x 634	633.9	474.6	424.0	47.6	77.0	15.2	290.2
356 x 406 x 551	551.0	455.6	418.5	42.1	67.5	15.2	290.2
356 x 406 x 467	467.0	436.6	412.2	35.8	58.0	15.2	290.2
356 x 406 x 393	393.0	419.0	407.0	30.6	49.2	15.2	290.2
356 x 406 x 340	339.9	406.4	403.0	26.6	49.2	15.2	290.2
356 x 406 x 287	287.1	393.6	399.0	22.6	36.5	15.2	290.2
356 x 406 x 235	235.1	381.0	394.8	18.4	30.2	15.2	290.2
356 x 368 x 202	201.9	374.6	374.7	16.5	27.0	15.2	290.2
356 x 368 x 177	177.0	368.2	372.6	14.4	23.8	15.2	290.2
356 x 368 x 153	152.9	362.0	370.5	12.3	20.7	15.2	290.2
356 x 368 x 129	129.0	355.6	368.6	10.4	17.5	15.2	290.2
305 x 305 x 283	282.9	365.3	372.2	26.8	44.1	15.2	246.7
305 x 305 x 240	240.0	352.5	318.4	23.0	37.7	15.2	246.7
305 x 305 x 198	198.1	339.9	314.5	19.1	31.4	15.2	246.7
305 x 305 x 158	158.1	327.1	311.2	15.8	25.0	15.2	246.7
305 x 305 x 137	136.9	320.5	309.2	13.8	21.7	15.2	246.7
305 x 305 x 118	117.9	314.5	307.4	12.0	18.7	15.2	246.7
305 x 305 x 97	96.9	307.9	305.3	9.9	15.4	15.2	246.7

Universal Columns BS4-1:2005

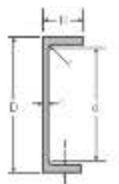


Size mm	Kg/m	D	B	t	T	r	d
254 x 254 x 167	167.1	289.1	265.2	19.2	31.7	12.7	200.3
254 x 254 x 132	132.0	276.3	261.3	15.3	25.3	12.7	200.3
254 x 254 x 107	107.1	266.7	258.8	12.8	20.5	12.7	200.3
254 x 254 x 89	88.9	260.3	256.3	10.3	17.3	12.7	200.3
254 x 254 x 73	73.1	254.1	254.6	8.6	14.2	12.7	200.3
203 x 203 x 86	86.1	222.2	209.1	12.7	20.5	12.7	160.8
203 x 203 x 71	71.0	215.8	206.4	10.0	17.3	10.2	160.8
203 x 203 x 60	60.0	209.6	205.8	9.4	14.2	10.2	160.8
203 x 203 x 52	52.0	206.2	204.3	7.9	12.5	10.2	160.8
203 x 203 x 46	46.1	203.2	203.6	7.2	11.0	10.2	160.8
152 x 152 x 37	37.0	161.8	154.4	8.0	11.5	7.6	123.6
152 x 152 x 30	30.0	157.6	152.9	6.5	9.4	7.6	123.6
152 x 152 x 23	23.0	152.4	152.4	5.8	6.8	7.6	123.6

Related services:
- **Sawing**



Parallel Flange Channels



Size mm	Kg/m	D	B	t	T	r	d
430 x 100 x 64	64.4	430	100	11.0	19.0	15	362
380 x 100 x 54	54.0	380	100	9.5	17.5	15	315
300 x 100 x 46	45.5	300	100	9.0	16.5	15	237
300 x 90 x 41	41.4	300	90	9.0	15.5	12	245
260 x 90 x 35	34.8	260	90	8.0	14.0	12	208
260 x 75 x 28	27.6	260	75	7.0	12.0	12	212
230 x 90 x 32	32.2	230	90	7.5	14.0	12	178
230 x 75 x 26	25.7	230	75	6.5	12.5	12	181
200 x 90 x 30	29.7	200	90	7.0	14.0	12	148
200 x 75 x 23	23.4	200	75	6.0	12.5	12	151
180 x 90 x 26	26.1	180	90	6.5	12.5	12	131
180 x 75 x 20	20.3	180	75	6.0	10.5	12	135
150 x 90 x 24	23.9	150	90	6.5	12.0	12	102
150 x 75 x 18	17.9	150	75	5.5	10.0	12	106
125 x 65 x 15	14.8	125	65	5.5	9.5	12	82
100 x 50 x 10	10.2	100	50	5.0	8.5	9	65

Related services:

- Profiling
- Folding; Shearing & Punching



Rolled Steel Angle - Equal

mm	x	mm	x	mm	Grade	Kg/m
13	x	13	x	3	S275JR	0.542
20	x	20	x	3	S275JR	0.871
25	x	25	x	3	S275JR	1.107
25	x	25	x	5	S275JR	1.766
30	x	30	x	3	S275JR	1.343
30	x	30	x	5	S275JR	2.159
40	x	40	x	3	S275JR	1.814
40	x	40	x	4	S275JR	2.387
40	x	40	x	5	S275JR	2.944
40	x	40	x	6	S275JR	3.486
45	x	45	x	5	S275JR	3.337
50	x	50	x	3	S275JR	2.285
50	x	50	x	5	S275JR	3.729
50	x	50	x	6	S275JR	4.428
50	x	50	x	8	S275JR	5.778
60	x	60	x	5	S275JR	4.514
60	x	60	x	6	S275JR	5.370
60	x	60	x	8	S275JR	7.034
60	x	60	x	10	S275JR	8.636
70	x	70	x	6	S275JR	6.312
70	x	70	x	8	S275JR	8.291
70	x	70	x	10	S275JR	10.206
75	x	75	x	6	S275JR	6.783
75	x	75	x	8	S275JR	8.919
75	x	75	x	10	S275JR	10.991

Rolled Steel Angle - Equal

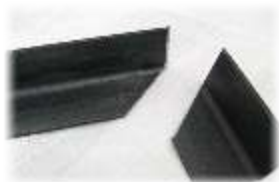
mm	x	mm	x	mm	Grade	Kg/m
80	x	80	x	6	S275JR	7.254
80	x	80	x	8	S275JR	9.547
80	x	80	x	10	S275JR	11.777
90	x	90	x	6	S275JR	8.196
90	x	90	x	8	S275JR	10.803
90	x	90	x	10	S275JR	13.347
90	x	90	x	12	S275JR	15.828
100	x	100	x	8	S275JR	12.059
100	x	100	x	10	S275JR	14.917
100	x	100	x	12	S275JR	17.712
100	x	100	x	15	S275JR	21.787
120	x	120	x	8	S275JR	14.571
120	x	120	x	10	S275JR	18.057
120	x	120	x	12	S275JR	21.480
120	x	120	x	15	S275JR	26.497
150	x	150	x	10	S275JR	22.768
150	x	150	x	12	S275JR	27.133
150	x	150	x	15	S275JR	33.563
200	x	200	x	16	S275JR	48.237
200	x	200	x	18	S275JR	53.983
200	x	200	x	20	S275JR	59.668
200	x	200	x	24	S275JR	70.847

Related services
see section:
- Sawing



Rolled Steel Angle - Unequal

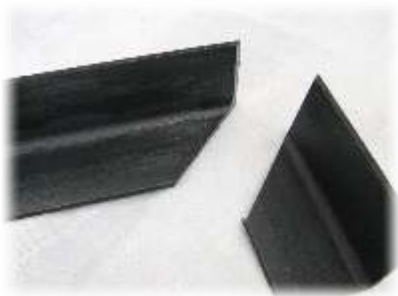
mm	x	mm	x	mm	Grade	Kg/m
40	x	25	x	4	S275JR	1.916
50	x	40	x	5	S275JR	3.337
60	x	30	x	5	S275JR	3.337
60	x	30	x	6	S275JR	3.957
65	x	50	x	6	S275JR	5.135
65	x	50	x	8	S275JR	6.720
75	x	50	x	6	S275JR	5.606
75	x	50	x	8	S275JR	7.349
80	x	60	x	6	S275JR	6.312
80	x	60	x	8	S275JR	8.291
100	x	50	x	6	S275JR	6.783
100	x	50	x	8	S275JR	8.919
100	x	65	x	7	S275JR	8.683
100	x	65	x	8	S275JR	9.861
100	x	65	x	10	S275JR	12.169
100	x	75	x	8	S275JR	10.489
100	x	75	x	10	S275JR	12.954
125	x	75	x	8	S275JR	12.059
125	x	75	x	10	S275JR	14.917



Related services:
- Sawing

Rolled Steel Angle - Unequal

mm	x	mm	x	mm	Grade	Kg/m
150	x	75	x	10	S275JR	16.880
150	x	75	x	12	S275JR	20.067
150	x	90	x	10	S275JR	18.057
150	x	90	x	12	S275JR	21.480
150	x	90	x	15	S275JR	26.497
200	x	100	x	10	S275JR	22.768
200	x	100	x	12	S275JR	27.133
200	x	100	x	15	S275JR	33.563
200	x	150	x	12	S275JR	31.844
200	x	150	x	15	S275JR	39.451
200	x	150	x	18	S275JR	46.918

**Related services:****- Sawing**

Mild Steel Flats - Metric

mm	x	mm	Kg/m
10	x	3	0.236
13	x	3	0.306
13	x	5	0.510
16	x	3	0.377
16	x	5	0.628
20	x	3	0.471
20	x	5	0.785
20	x	6	0.942
20	x	8	1.256
20	x	10	1.570
25	x	3	0.589
25	x	5	0.981
25	x	6	1.178
25	x	8	1.570
25	x	10	1.963
25	x	12	2.355
30	x	3	0.707
30	x	5	1.178
30	x	6	1.413
30	x	8	1.884
30	x	10	2.355
30	x	12	2.826
30	x	15	3.533

mm	x	mm	Kg/m
40	x	3	0.942
40	x	5	1.570
40	x	6	1.884
40	x	8	2.512
40	x	10	3.140
40	x	12	3.768
40	x	15	4.710
40	x	20	6.280
40	x	25	7.850
45	x	6	2.120
45	x	10	3.533
50	x	3	1.178
50	x	5	1.963
50	x	6	2.355
50	x	8	3.140
50	x	10	3.925
50	x	12	4.710
50	x	15	5.888
50	x	20	7.850
50	x	25	9.813
50	x	30	11.775
50	x	40	15.700

Mild Steel Flats - Metric

mm	x	mm	Kg/m
60	x	5	2.355
60	x	6	2.826
60	x	8	3.768
60	x	10	4.710
60	x	12	5.652
60	x	15	7.065
60	x	20	9.420
65	x	6	3.062
65	x	10	5.103
65	x	12	6.123
65	x	15	7.654
65	x	20	10.205
65	x	25	12.756
70	x	6	3.297
70	x	8	4.396
70	x	10	5.495
70	x	12	6.594
70	x	20	10.990
70	x	25	13.738
75	x	5	2.944
75	x	6	3.533
75	x	8	4.710
75	x	10	5.888
75	x	12	7.065

mm	x	mm	Kg/m
75	x	15	8.831
75	x	20	11.775
75	x	25	14.719
80	x	6	3.768
80	x	8	5.024
80	x	10	6.280
80	x	12	7.536
80	x	15	9.420
80	x	20	12.560
80	x	25	15.700
80	x	30	18.840
80	x	40	25.120
90	x	6	4.239
90	x	8	5.652
90	x	10	7.065
90	x	12	8.478
90	x	15	10.598
90	x	20	14.130
90	x	25	17.663
100	x	3	2.355
100	x	5	3.925
100	x	6	4.710
100	x	8	6.280
100	x	10	7.850

Mild Steel Flats - Metric

mm	x	mm	Kg/m
100	x	12	9.420
100	x	15	11.775
100	x	20	15.700
100	x	25	19.625
110	x	6	5.181
110	x	10	8.635
110	x	12	10.362
110	x	15	12.953
110	x	20	17.270
110	x	25	21.588
120	x	5	4.710
120	x	8	7.536
120	x	10	9.420
120	x	12	11.304
120	x	15	14.130
120	x	20	18.840
120	x	25	23.550
130	x	6	6.123
130	x	8	8.164
130	x	10	10.205
130	x	12	12.246
130	x	15	15.308
130	x	20	20.410
130	x	25	25.513
140	x	6	6.594
140	x	8	8.792

mm	x	mm	Kg/m
140	x	10	10.990
140	x	12	13.188
140	x	15	16.485
140	x	20	21.980
140	x	25	27.475
150	x	5	5.888
150	x	6	7.065
150	x	8	9.420
150	x	10	11.775
150	x	12	14.130
150	x	15	17.663
150	x	20	23.550
150	x	25	29.438
160	x	10	12.560
160	x	12	15.072
160	x	15	18.840
180	x	6	8.478
180	x	8	11.304
180	x	10	14.130
180	x	12	16.956
180	x	15	21.195
180	x	20	28.260
180	x	25	35.325
200	x	6	9.420
200	x	8	12.560
200	x	10	15.700

Mild Steel Flats - Metric

mm	x	mm	Kg/m
200	x	12	18.840
200	x	15	23.550
200	x	20	31.400
200	x	25	39.250
220	x	10	17.270
220	x	12	20.724
220	x	20	34.540
220	x	25	43.175
250	x	10	19.625
250	x	12	23.550
250	x	15	29.438

mm	x	mm	Kg/m
250	x	20	39.250
250	x	25	49.063
300	x	10	23.550
300	x	12	28.260
300	x	15	35.325
300	x	20	47.100
300	x	25	58.875
400	x	12	37.680
400	x	15	47.100
400	x	20	62.800
400	x	25	78.500

**Related services:**

- **Sawing**
- **Folding; Shearing & Punching**

Mild Steel Square Edge Convex - Imperial

Dims Inch	Kg/m
1 ½ x ½ x ¼	3.179

Dims Inch	Kg/m
2 x ½ x ¼	4.170

Mild Steel Tee - Metric

Dims mm	Kg/m
30 x 30 x 5	2.213
40 x 40 x 5	2.788

Dims mm	Kg/m
50 x 50 x 6	4.780

Rolled Steel Channel - Metric

Dims mm	Kg/m
40 x 20	2.624
51 x 25	3.550

Dims mm	Kg/m
51 x 38	5.800
76 x 38	6.690



Related services:

- Sawing

Mild Steel Round - Metric

Dia mm	Kg/m
6	0.222
8	0.395
10	0.617
12	0.888
16	1.579
20	2.467
22	2.980
25	3.855

Dia mm	Kg/m
30	5.551
32	6.310
35	7.550
38	8.900
40	9.869
45	12.480
50	15.420
55	18.650

Mild Steel Square - Metric

Size mm	Kg/m
8	0.502
10	0.785
12	1.130
16	2.010
20	3.140

Size mm	Kg/m
25	4.906
30	7.065
40	12.560
50	19.625

**Related services:****- Sawing**

Steel Plate S355JR with impact test to S355J2

mm	x	mm	x	mm	Grade	Kg/m ²
2500	x	1250	x	3	S355J2	23.550
2500	x	1250	x	4	S355J2	31.400
2500	x	1250	x	5	S355J2	39.250
2500	x	1250	x	6	S355J2	47.100
2500	x	1250	x	8	S355J2	62.800
2500	x	1250	x	10	S355J2	78.500
2500	x	1250	x	12.5	S355J2	98.125

Steel Plate S355

mm	x	mm	x	mm	Grade	Kg/m ²
4000	x	2000	x	15	S355	117.750
4000	x	2000	x	20	S355	157.000
4000	x	2000	x	25	S355	196.250
4000	x	2000	x	30	S355	235.500
5000	x	2500	x	15	S355	117.750
5000	x	2500	x	20	S355	157.000
5000	x	2500	x	25	S355	196.250
5000	x	2500	x	30	S355	235.500

Related services:

- Profiling
- Folding; Shearing & Punching

Mild Steel Plate

mm	x	mm	x	mm	Grade	Kg/m ²
2000	x	1000	x	2	Mild Steel	15.700
2000	x	1000	x	2.5	Mild Steel	19.625
2000	x	1000	x	3	S275JR	23.550
2000	x	1000	x	4	S275JR	31.400
2000	x	1000	x	5	S275JR	39.250
2000	x	1000	x	6	S275JR	47.100
2000	x	1000	x	8	S275JR	62.800
2000	x	1000	x	10	S275JR	78.500
2000	x	1000	x	12.5	S275JR	98.125
2000	x	1000	x	15	S275JR	117.750
2000	x	1000	x	20	S275JR	157.000
2000	x	1000	x	25	S275JR	196.250
2000	x	1000	x	30	S275JR	235.500

Oxy-Propane profiling to 250 mm thick
See the **Profiling Section of this book**



Mild Steel Plate

mm	x	mm	x	mm	Grade	Kg/m ²
2500	x	1250	x	2	Mild Steel	15.700
2500	x	1250	x	2.5	Mild Steel	19.625
2500	x	1250	x	3	S275JR	23.550
2500	x	1250	x	4	S275JR	31.400
2500	x	1250	x	5	S275JR	39.250
2500	x	1250	x	6	S275JR	47.100
2500	x	1250	x	8	S275JR	62.800
2500	x	1250	x	10	S275JR	78.500
2500	x	1250	x	12.5	S275JR	98.125
2500	x	1250	x	15	S275JR	117.750
2500	x	1250	x	20	S275JR	157.000
2500	x	1250	x	25	S275JR	196.250
2500	x	1250	x	30	S275JR	235.500

High-def plasma profiling to 40 mm thick
See the **Profiling Section of this book**



Mild Steel Plate

mm	x	mm	x	mm	Grade	Kg/m ²
3000	x	1500	x	2	Mild Steel	15.700
3000	x	1500	x	3	S275JR	23.550
3000	x	1500	x	4	S275JR	31.400
3000	x	1500	x	5	S275JR	39.250
3000	x	1500	x	6	S275JR	47.100
3000	x	1500	x	8	S275JR	62.800
3000	x	1500	x	10	S275JR	78.500
3000	x	1500	x	12.5	S275JR	98.125
3000	x	1500	x	15	S275JR	117.750
3000	x	1500	x	20	S275JR	157.000
3000	x	1500	x	25	S275JR	196.250
3000	x	1500	x	30	S275JR	235.500

Oxy-Propane profiling to 250 mm thick
See the **Profiling Section of this book**



Mild Steel Plate

mm	x	mm	x	mm	Grade	Kg/m ²
4000	x	2000	x	3	S275JR	23.550
4000	x	2000	x	4	S275JR	31.400
4000	x	2000	x	5	S275JR	39.250
4000	x	2000	x	6	S275JR	47.100
4000	x	2000	x	8	S275JR	62.800
4000	x	2000	x	10	S275JR	78.500
4000	x	2000	x	12.5	S275JR	98.125
4000	x	2000	x	15	S275JR	117.750
4000	x	2000	x	20	S275JR	157.000
4000	x	2000	x	25	S275JR	196.250
4000	x	2000	x	30	S275JR	235.500
5000	x	2500	x	15	S275JR	117.750
5000	x	2500	x	20	S275JR	157.000
5000	x	2500	x	25	S275JR	196.250
5000	x	2500	x	30	S275JR	235.500

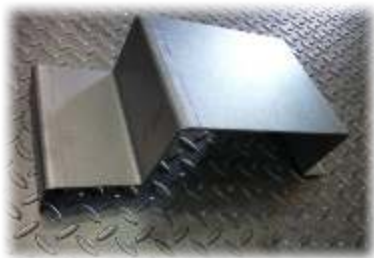
High-def plasma profiling to 40 mm thick
See the **Profiling Section of this book**



Mild Steel Floor Plate

mm	x	mm	x	*OP mm	Grade	Kg/m ²
2000	x	1000	x	3	S275	26.240
2000	x	1000	x	4.5	S275	38.810
2000	x	1000	x	6	S275	49.930
2000	x	1000	x	8	S275	65.440
2000	x	1000	x	10	S275	81.200
2500	x	1250	x	3	S275	26.240
2500	x	1250	x	4.5	S275	38.810
2500	x	1250	x	6	S275	49.930
2500	x	1250	x	8	S275	65.440
2500	x	1250	x	10	S275	81.200
3000	x	1500	x	4.5	S275	38.810
3000	x	1500	x	6	S275	49.930

*** OP = 'Over Plate' i.e. excludes pattern**

**Related services:**

- **Profiling**
- **Folding; Shearing & Punching**

Mild Steel Sheet CR4

mm	x	mm	x	mm	Kg/m ²
2000	x	1000	x	0.9	7.065
2000	x	1000	x	1.2	9.420
2000	x	1000	x	1.5	11.775
2000	x	1000	x	2	15.700
2000	x	1000	x	2.5	19.625
2000	x	1000	x	3	23.550
2500	x	1250	x	0.9	7.065
2500	x	1250	x	1.2	9.420
2500	x	1250	x	1.5	11.775
2500	x	1250	x	2	15.700
2500	x	1250	x	2.5	19.625
2500	x	1250	x	3	23.550
3000	x	1500	x	1.2	9.420
3000	x	1500	x	1.5	11.775
3000	x	1500	x	2	15.700

**Related services:**

- **Profiling**
- **Folding; Shearing & Punching**

Galvanised Sheet

mm	x	mm	x	mm	Kg/m ²
2000	x	1000	x	0.7	5.495
2000	x	1000	x	0.9	7.065
2000	x	1000	x	1.2	9.420
2000	x	1000	x	1.5	11.775
2000	x	1000	x	2	15.700
2000	x	1000	x	3	23.550
2500	x	1250	x	0.9	7.065
2500	x	1250	x	1.2	9.420
2500	x	1250	x	1.5	11.775
2500	x	1250	x	2	15.700
2500	x	1250	x	3	23.550
3000	x	1500	x	1.2	9.420
3000	x	1500	x	1.5	11.775

**Related services:**

- Folding; Shearing & Punching

Steel Hollow Section - Circular

OD mm	x	Wall mm	Grade	Kg/m
21.3	x	3	S235	1.430
26.9	x	3	S235	1.870
33.7	x	2.5	S235	1.920
33.7	x	3	S235	2.410
33.7	x	4	S235	2.930
42.4	x	3	S235	3.090
42.4	x	4	S235	3.790
48.3	x	3	S235	3.560
48.3	x	4	S235	4.370
60.3	x	3	S235	4.510
60.3	x	4	S235	5.550
60.3	x	5	S235	6.820
76.1	x	3	S235	5.750
76.1	x	4	S235	7.110
76.1	x	5	S235	8.770
88.9	x	3	S235	6.360
88.9	x	4	S235	8.380
88.9	x	5	S235	10.300
114.3	x	3.5	S235	9.830
114.3	x	5	S235	13.500
114.3	x	6	S235	16.800

Related services:

- **Sawing**
- **Plastic Tube Inserts**



Steel Hollow Section - Circular

OD mm	x	Wall mm	Grade	Kg/m
139.7	x	5	S235	16.600
139.7	x	6	S355	20.700
139.7	x	8	S355	26.000
139.7	x	10	S355	32.000
168.3	x	5	S355	20.100
168.3	x	6	S355	25.200
168.3	x	8	S355	31.600
168.3	x	10	S355	39.000
193.7	x	5	S355	23.300
193.7	x	6	S355	29.100
193.7	x	8	S355	36.300
193.7	x	10	S355	45.300
219.1	x	5	S355	26.400
219.1	x	6	S355	33.100
219.1	x	8	S355	41.600
219.1	x	10	S355	51.600
219.1	x	12	S355	63.700
244.5	x	6	S355	46.700
244.5	x	8	S355	57.800
244.5	x	10	S355	71.500
244.5	x	12	S355	90.200
273	x	16	S355	41.400
273	x	8	S355	52.300
273	x	10	S355	64.900
273	x	12	S355	80.300
273	x	16	S355	101.000

Steel Hollow Section - Circular

OD mm	x	Wall mm	Grade	Kg/m
323.9	x	6	S355	49.300
323.9	x	8	S355	62.300
323.9	x	10	S355	77.400
323.9	x	12	S355	96.000
323.9	x	16	S355	121.000
355.6	x	16	S355	134.000
406.4	x	12	S355	121.000
406.4	x	16	S355	154.000



Steel Hollow Section - Square

Size mm		Size mm		Wall mm	Grade	Kg/m
20	x	20	x	2.5	S235	1.350
25	x	25	x	2	S235	1.430
25	x	25	x	2.5	S235	1.800
25	x	25	x	3	S235	2.150
30	x	30	x	2	S235	1.680
30	x	30	x	2.5	S235	2.210
30	x	30	x	3	S235	2.650
40	x	40	x	2.5	S235	2.920
40	x	40	x	3	S235	3.450
40	x	40	x	4	S235	4.460
50	x	50	x	2.5	S235	3.710
50	x	50	x	3	S235	4.390
50	x	50	x	4	S235	5.720
50	x	50	x	5	S235	6.970
60	x	60	x	3	S235	5.340
60	x	60	x	4	S235	6.970
60	x	60	x	5	S235	8.130
70	x	70	x	3	S235	6.240
70	x	70	x	3.5	S235	7.060
70	x	70	x	5	S235	9.990
75	x	75	x	3	S235	6.960

Related services:

- **Sawing**
- **Plastic Tube Inserts**



Steel Hollow Section - Square

Size mm		Size mm		Wall mm	Grade	Kg/m
80	x	80	x	3	S235	7.630
80	x	80	x	3.5	S235	8.530
80	x	80	x	5	S235	11.700
80	x	80	x	6	S235	14.400
90	x	90	x	3.5	S235	9.720
90	x	90	x	5	S235	13.300
100	x	100	x	3	S235	9.000
100	x	100	x	4	S235	12.000
100	x	100	x	5	S235	14.700
100	x	100	x	6	S235	17.400
100	x	100	x	8	S235	22.600
100	x	100	x	10	S355	27.400
120	x	120	x	5	S235	18.000
120	x	120	x	6	S235	22.300
120	x	120	x	8	S355	27.600
120	x	120	x	10	S355	33.700
120	x	120	x	12	S355	40.900



Related services:

- Sawing
- Plastic Tube Inserts

Steel Hollow Section - Square

Size mm		Size mm		Wall mm	Grade	Kg/m
140	x	140	x	5	S355	21.000
140	x	140	x	6	S355	26.100
140	x	140	x	8	S355	32.600
140	x	140	x	10	S355	40.000
140	x	140	x	12	S355	48.700
150	x	150	x	5	S235	22.600
150	x	150	x	6	S235	24.400
150	x	150	x	8	S355	35.100
150	x	150	x	10	S355	43.100
150	x	150	x	12	S355	52.700
180	x	180	x	6	S355	34.000
180	x	180	x	8	S355	42.700
180	x	180	x	10	S355	52.500
180	x	180	x	12	S355	64.400
200	x	200	x	5	S355	30.400
200	x	200	x	6	S235	35.800
200	x	200	x	8	S355	47.700
200	x	200	x	10	S235	57.000



Related services:
- Sawing

Steel Hollow Section - Square

Size mm		Size mm		Wall mm	Grade	Kg/m
200	x	200	x	12	S355	72.300
200	x	200	x	16	S355	90.300
250	x	250	x	6	S355	47.900
250	x	250	x	8	S355	60.300
250	x	250	x	10	S355	74.500
250	x	250	x	12	S355	91.900
250	x	250	x	16	S355	115.000
300	x	300	x	8	S355	72.800
300	x	300	x	10	S355	90.200
300	x	300	x	12	S355	112.000
300	x	300	x	16	S355	141.000
350	x	350	x	8	S355	85.400
350	x	350	x	10	S355	106.000
350	x	350	x	12	S355	131.000
350	x	350	x	16	S355	166.000
400	x	400	x	10	S355	122.000
400	x	400	x	12	S355	151.000
400	x	400	x	16	S355	191.000



Related services:
- Sawing

Steel Hollow Section - Rectangular

Size mm		Size mm		Wall mm	Grade	Kg/m
50	x	25	x	2.5	S235	2.720
50	x	25	x	3	S235	3.220
50	x	30	x	2.5	S235	2.920
50	x	30	x	3	S235	3.450
60	x	40	x	3	S235	4.390
60	x	40	x	4	S235	5.640
75	x	50	x	3	S235	5.729
80	x	40	x	3	S235	5.340
80	x	40	x	4	S235	6.970
80	x	40	x	5	S355	8.420
80	x	40	x	6	S355	10.300
90	x	50	x	3.5	S235	7.060
90	x	50	x	5	S235	9.700
90	x	50	x	6	S355	12.300
100	x	50	x	3	S235	6.750
100	x	50	x	4	S235	8.780
100	x	50	x	5	S235	10.900
100	x	50	x	6	S235	13.300

**Related services:**

- Sawing
- Plastic Tube Inserts

Steel Hollow Section - Rectangular

Size mm		Size mm		Wall mm	Grade	Kg/m
100	x	60	x	3.5	S235	8.160
100	x	60	x	5	S235	11.600
100	x	60	x	6	S235	14.200
100	x	60	x	8	S355	17.500
120	x	60	x	3.5	S235	9.720
120	x	60	x	5	S235	12.800
120	x	60	x	6	S355	16.200
120	x	60	x	8	S355	20.100
120	x	80	x	5	S235	14.800
120	x	80	x	6	S235	17.400
120	x	80	x	8	S355	22.600
120	x	80	x	10	S355	27.400
150	x	100	x	5	S235	18.300
150	x	100	x	6	S235	21.700
150	x	100	x	8	S355	28.900
150	x	100	x	10	S355	35.300
150	x	100	x	12	S355	42.800
160	x	80	x	5	S235	17.500
160	x	80	x	6	S235	22.200
160	x	80	x	8	S355	27.600
160	x	80	x	10	S355	33.700
200	x	100	x	5	S235	22.300
200	x	100	x	6	S235	26.400
200	x	100	x	8	S355	35.100
200	x	100	x	10	S355	43.100

Steel Hollow Section - Rectangular

Size mm		Size mm		Wall mm	Grade	Kg/m
200	x	100	x	12	S355	52.700
200	x	120	x	5	S355	24.100
200	x	120	x	6	S355	30.100
200	x	120	x	8	S355	37.600
200	x	120	x	10	S355	46.300
200	x	150	x	8	S355	41.400
200	x	150	x	10	S355	51.000
250	x	100	x	10	S355	51.000
250	x	100	x	12	S355	62.500
250	x	150	x	5	S355	30.400
250	x	150	x	6	S355	38.000
250	x	150	x	8	S355	47.700
250	x	150	x	10	S355	58.800
250	x	150	x	12	S355	72.300
250	x	150	x	16	S355	90.300
300	x	100	x	8	S355	47.700
300	x	100	x	10	S355	58.800
300	x	100	x	12	S355	47.900
300	x	200	x	8	S355	60.300
300	x	200	x	10	S355	74.500
300	x	200	x	12	S355	91.900
300	x	200	x	16	S355	115.000

Related services:**- Sawing**

Steel Hollow Section - Rectangular

Size mm		Size mm		Wall mm	Grade	Kg/m
400	x	200	x	8	S355	72.800
400	x	200	x	10	S355	90.200
400	x	200	x	12	S355	112.000
400	x	200	x	16	S355	141.000
450	x	250	x	8	S355	85.400
450	x	250	x	10	S355	106.000
450	x	250	x	12	S355	131.000
450	x	250	x	16	S355	166.000
500	x	300	x	8	S355	97.900
500	x	300	x	10	S355	122.000
500	x	300	x	12	S355	151.000
500	x	300	x	16	S355	191.000



Related services:

- Sawing



BS1387 Tube - Plain Ends - Galvanised

Nominal Bore Inch	OD mm	Type	Kg/m
1	33.7	Hot Formed	2.520
1 ¼	42.4	Hot Formed	3.250
1 ½	48.3	Hot Formed	3.740

BS1387 Tube - Plain Ends - Self Colour

Nominal Bore Inch	OD mm	Type	Kg/m
1	33.7	Hot Formed	2.440
1 ¼	42.4	Hot Formed	3.140
1 ½	48.3	Hot Formed	3.620

Handrail Tube - Plain Ends - Galvanised

Nominal Bore Inch	OD mm	Type	Kg/m
1	33.7	Cold Formed	2.520
1 ¼	42.4	Cold Formed	3.250
1 ½	48.3	Cold Formed	3.740

**Related services:**

- Fastclamp
- Plastic Tube Ends
- Handrailing + Standards



ERW Tube - Circular

OD Inch	x	Wall mm	Kg/m
1/2	x	1.2	0.345
5/8	x	1.5	0.573
3/4	x	1.2	0.536
3/4	x	1.5	0.700
3/4	x	2	0.930
7/8	x	1.5	0.828
1	x	1.2	0.728
1	x	1.5	0.956
1	x	2	1.170
1 1/4	x	1.5	1.211
1 1/2	x	1.5	1.466
1 1/2	x	2	1.806
2	x	1.5	1.977
2	x	2	2.442

**Related services:**

- **Sawing**
- **Plastic Tube Ends**

ERW Tube - Square Imperial

Size Inch	x	Size	x	Wall mm	Kg/m
1/2	x	1/2	x	1.5	0.531
5/8	x	5/8	x	1.5	0.693
3/4	x	3/4	x	1.2	0.663
3/4	x	3/4	x	1.5	0.856
3/4	x	3/4	x	2.0	1.029
1	x	1	x	1.2	0.906
1	x	1	x	1.5	1.181
1	x	1	x	2.0	1.434
1 1/4	x	1 1/4	x	1.5	1.506
1 1/4	x	1 1/4	x	2.0	1.839
1 1/2	x	1 1/2	x	1.5	1.831
1 1/2	x	1 1/2	x	2.0	2.244
2	x	2	x	1.5	2.481

ERW Tube - Square Metric

Size mm	x	Size mm	x	Wall mm	Kg/m
40	x	40	x	1.5	1.810
45	x	45	x	2.0	2.694

**Related services:**

- Sawing
- Plastic Tube Ends

ERW Tube - Rectangular Imperial

Size Inch	x	Size Inch	x	Wall mm	Kg/m
1	x	1/2	x	1.5	0.796
1 1/2	x	3/4	x	1.2	1.028
1 1/2	x	3/4	x	1.5	1.343
1 1/2	x	3/4	x	2	1.636
2	x	1	x	1.5	1.812
2	x	1	x	2	2.221

ERW Tube - Rectangular Metric

Size mm	x	Size mm	x	Wall mm	Kg/m
60	x	20	x	1.5	1.960
60	x	30	x	1.5	2.020
60	x	30	x	2	2.646
60	x	40	x	2	3.010



Related services:

- Sawing
- Plastic Tube Ends

BDMS Round - Imperial 080A15

Dia Inch	Kg/m
1/8	0.062
3/16	0.140
1/4	0.249
5/16	0.389
3/8	0.560
1/2	0.995
5/8	1.554
3/4	2.238
7/8	3.047
1	3.979
1 1/8	5.036
1 1/4	6.218
1 3/8	7.523
1 1/2	8.953
1 5/8	10.508
1 3/4	12.186

Dia Inch	Kg/m
2	15.917
2 1/8	17.969
2 1/4	20.145
2 1/2	24.870
2 3/4	30.093
3	35.813
3 1/4	42.031
3 1/2	48.746
4	63.668
4 1/2	80.580
5	99.481
6	143.253
8	254.672
10	379.925
12	573.013



BDMS Round - Metric 080A15

Dia mm	Kg/m
3	0.056
4	0.099
5	0.154
6	0.222
8	0.395
10	0.617
12	0.888
14	1.209
15	1.388
16	1.579
18	1.998
20	2.467
22	2.985
24	3.553
25	3.855

Dia mm	Kg/m
30	5.551
32	6.316
35	7.556
40	9.869
45	12.490
50	15.420
55	18.658
60	22.204
65	26.059
70	30.222
75	34.694
80	39.474
90	49.960
100	61.679
150	138.777



BDMS Round - Imperial EN1A

Dia Inch	Kg/m
1/4	0.249
5/16	0.389
3/8	0.560
1/2	0.995
5/8	1.554
3/4	2.238
7/8	3.047
1	3.979
1 1/8	5.036
1 1/4	6.218
1 3/8	7.523
1 1/2	8.953

Dia Inch	Kg/m
1 5/8	10.508
1 3/4	12.186
2	15.917
2 1/4	20.145
2 3/8	22.445
2 1/2	24.870
2 3/4	30.093
3	35.813
3 1/2	48.746
4	63.668
5	99.481
8	254.672



BDMS Round - Metric EN1A

Dia mm	Kg/m
6	0.222
8	0.395
10	0.617
12	0.888
16	1.579
20	2.467
25	3.855
30	5.551
32	6.316
35	7.556
40	9.869
45	12.490

Dia mm	Kg/m
50	15.420
55	18.650
60	22.204
65	26.059
70	30.223
75	34.694
80	39.474
90	49.960
105	68.001
130	104.237
150	138.777
180	199.839



BDMS Round - Imperial EN8

Dia Inch	Kg/m
$\frac{3}{8}$	0.560
$\frac{1}{2}$	0.995
$\frac{5}{8}$	1.554
$\frac{3}{4}$	2.238
$\frac{7}{8}$	3.047
1	3.979
1 $\frac{1}{8}$	5.036

Dia Inch	Kg/m
1 $\frac{1}{4}$	6.218
1 $\frac{1}{2}$	8.953
1 $\frac{3}{4}$	12.186
2	15.917
2 $\frac{1}{4}$	20.145
2 $\frac{1}{2}$	24.870
3	35.813

BDMS Round - Metric EN8

Dia mm	Kg/m
10	0.617
12	0.888
16	1.579
20	2.467
25	3.855
30	5.551
32	6.316
35	7.556
40	9.869

Dia mm	Kg/m
45	12.490
50	15.398
55	18.658
60	22.204
65	26.059
70	30.222
75	34.694
80	39.474



BDMS Round - Imperial 605M36 (EN16)

Dia Inch	Kg/m
1/2	0.995
5/8	1.554
3/4	2.238
7/8	3.047
1	3.979
1 1/8	5.036
1 1/4	6.218
1 3/8	7.523

Dia Inch	Kg/m
1 1/2	8.953
1 5/8	10.508
1 3/4	12.186
1 7/8	13.990
2	15.917
2 1/4	20.145
2 1/2	24.870
2 3/4	30.093

BDMS Round - Metric 605M36 (EN16)

Dia mm	Kg/m
10	0.617
12	0.888
16	1.579
20	2.467
25	3.855
30	5.551
35	7.556
40	9.869

Dia mm	Kg/m
45	12.490
50	15.420
55	18.658
60	22.204
70	30.182
75	34.647
80	39.405



BDMS Round - Imperial 817M40 (EN24)

Dia Inch	Kg/m
1/2	0.995
5/8	1.554
3/4	2.238
7/8	3.047
1	3.979
1 1/8	5.036
1 1/4	6.218
1 3/8	7.523
1 1/2	8.953

Dia Inch	Kg/m
1 5/8	10.508
1 3/4	12.186
1 7/8	13.990
2	15.917
2 1/4	20.145
2 1/2	24.870
2 3/4	30.093
3	35.813

BDMS Round - Metric 817M40 (EN24)

Dia mm	Kg/m
10	0.617
12	0.888
16	1.579
20	2.467
25	3.855
30	5.551
35	7.556
40	9.869

Dia mm	Kg/m
45	12.490
50	15.420
55	18.658
60	22.204
65	26.059
70	30.222
75	34.694
80	39.474

BDMS Square - Imperial 080A15

Size Inch	Kg/m
$\frac{5}{16}$	0.495
$\frac{3}{8}$	0.712
$\frac{1}{2}$	1.266
$\frac{3}{4}$	2.849
$\frac{7}{8}$	3.878
1	5.065

Size Inch	Kg/m
1 $\frac{1}{4}$	7.913
1 $\frac{1}{2}$	11.395
2	20.258
2 $\frac{1}{2}$	31.653
3	45.581
4	81.032

BDMS Square - Metric 080A15

Size mm	Kg/m
6	0.283
8	0.502
10	0.785
12	1.130
15	1.766
16	2.010
20	3.140
25	4.906
30	7.065
35	9.616

Size mm	Kg/m
40	12.560
45	15.896
50	19.625
60	28.260
70	38.465
75	44.156
80	50.240
90	63.585
100	78.500



BDMS Flats - Imperial

Inch	x	Inch	Kg/m
1/4	x	1/8	0.158
3/8	x	1/8	0.237
1/2	x	1/8	0.317
1/2	x	3/16	0.475
1/2	x	1/4	0.633
5/8	x	3/8	1.187
3/4	x	1/8	0.475
3/4	x	3/16	0.712
3/4	x	1/4	0.950
3/4	x	3/8	1.424
3/4	x	1/2	1.899
1	x	1/16	0.317
1	x	1/8	0.633
1	x	3/16	0.950
1	x	1/4	1.266
1	x	3/8	1.899
1	x	1/2	2.532
1	x	5/8	3.165
1	x	5/8	3.798
1 1/4	x	1/8	0.791
1 1/4	x	1/4	1.583
1 1/4	x	3/8	2.311
1 1/4	x	1/2	3.165
1 1/4	x	5/8	3.957
1 1/4	x	5/8	4.748
1 1/4	x	1	6.331

Inch	x	Inch	Kg/m
1 1/2	x	1/8	0.950
1 1/2	x	3/16	1.424
1 1/2		1/4	1.899
1 1/2	x	3/8	2.849
1 1/2	x	1/2	3.798
1 1/2	x	5/8	4.748
1 1/2	x	5/8	5.698
1 1/2	x	1	7.597
1 1/2	x	1 1/4	9.496
1 3/4	x	1/2	4.431
2	x	1/8	1.266
2	x	1/4	2.532
2	x	3/8	3.798
2	x	1/2	5.065
2	x	5/8	6.331
2	x	3/4	7.597
2	x	1	10.129
2	x	1 1/4	12.661
2	x	1 1/2	15.194
2 1/2	x	1/4	3.165
2 1/2	x	1/2	6.331
2 1/2	x	3/4	9.496
2 1/2	x	1	12.661
2 1/2	x	1 1/4	18.827
2 1/2	x	2	25.323
3	x	1/8	1.899

BDMS Flats - Imperial

Inch	x	Inch	Kg/m
3	x	1/4	3.798
3	x	3/8	5.698
3	x	1/2	7.597
3	x	5/8	9.496
3	x	3/4	11.395
3	x	1	15.194
3	x	1 1/2	22.790
3	x	2	30.387
4	x	1/8	2.532
4	x	1/4	5.065
4	x	3/8	7.394
4	x	1/2	10.129
4	x	5/8	12.661
4	x	1	20.258
4	x	1 1/4	25.323

Inch	x	Inch	Kg/m
4	x	1 1/2	30.387
4	x	2	40.516
5	x	1/4	6.331
5	x	3/8	9.496
5	x	1/2	12.661
5	x	3/4	18.992
6	x	1/4	7.597
6	x	3/8	11.091
6	x	1/2	15.194
6	x	5/8	18.992
6	x	3/4	22.790
6	x	1	30.387
6	x	1 1/2	45.581
6	x	2	60.774



BDMS Flats - Metric

mm	x	mm	Kg/m
10	x	3	0.236
12	x	3	0.283
16	x	5	0.628
16	x	6	0.754
16	x	8	1.005
16	x	10	1.256
16	x	12	1.507
20	x	3	0.471
20	x	5	0.785
20	x	6	0.942
20	x	8	1.256
20	x	10	1.570
20	x	12	1.884
20	x	16	2.512
25	x	3	0.589
25	x	5	0.981
25	x	6	1.178
25	x	8	1.570
25	x	10	1.963
25	x	12	2.355
25	x	16	3.140
25	x	20	3.925
30	x	3	0.707
30	x	5	1.178
30	x	6	1.413
30	x	8	1.884

mm	x	mm	Kg/m
30	x	10	2.355
30	x	12	2.826
30	x	16	3.768
30	x	20	4.710
30	x	25	5.888
35	x	10	2.748
35	x	12	3.297
35	x	16	4.396
35	x	20	5.495
40	x	3	0.942
40	x	5	1.570
40	x	6	1.884
40	x	8	2.512
40	x	10	3.140
40	x	12	3.768
40	x	16	5.024
40	x	20	6.280
40	x	25	7.850
40	x	30	9.420
45	x	12	4.239
45	x	16	5.652
45	x	20	7.065
45	x	25	8.831
45	x	30	10.598
50	x	3	1.178
50	x	5	1.963

BDMS Flats - Metric

mm	x	mm	Kg/m
50	x	6	2.355
50	x	8	3.140
50	x	10	3.925
50	x	12	4.710
50	x	16	6.280
50	x	20	7.850
50	x	25	9.813
50	x	30	11.775
50	x	40	15.700
60	x	6	2.826
60	x	8	3.768
60	x	10	4.710
60	x	12	5.652
60	x	16	7.536
60	x	20	9.420
60	x	25	11.775
60	x	30	14.130
60	x	40	18.840
60	x	50	23.550
70	x	6	3.297
70	x	8	4.396
70	x	10	5.495
70	x	12	6.594
70	x	16	8.792
70	x	20	10.990
70	x	25	13.738

mm	x	mm	Kg/m
70	x	30	16.485
70	x	40	21.980
70	x	50	27.475
75	x	6	3.533
75	x	8	4.710
75	x	10	5.888
75	x	12	7.065
75	x	16	9.420
75	x	20	11.775
75	x	25	14.719
75	x	50	29.438
80	x	6	3.768
80	x	8	5.024
80	x	10	6.280
80	x	12	7.536
80	x	16	10.048
80	x	20	12.560
80	x	25	15.700
80	x	30	18.840
80	x	40	25.120
90	x	12	8.478
90	x	16	11.304
90	x	20	14.130
90	x	25	17.663
100	x	6	4.710
100	x	8	6.280

BDMS Flats - Metric

mm	x	mm	Kg/m
100	x	10	7.850
100	x	12	9.420
100	x	16	12.560
100	x	20	15.700
100	x	25	19.625
100	x	30	23.550
100	x	40	31.400
100	x	50	39.250
100	x	75	58.875
150	x	6	7.065

mm	x	mm	Kg/m
150	x	8	9.420
150	x	10	11.775
150	x	12	14.130
150	x	20	23.550
150	x	25	29.438
200	x	10	15.700
200	x	12	18.840
200	x	20	31.400
200	x	25	39.250



Related services:

- Sawing
- Folding; Shearing & Punching

BDMS Hexagon - Imperial EN1A

A/F Inch	Kg/m
0.625	1.713
0.750	2.467
1.010	4.474

A/F Inch	Kg/m
1.100	5.307
1.250	6.853
1.480	9.607



BDMS Angle - Metric

Size mm	Kg/m
25 x 25 x 3	1.107
40 x 40 x 5	2.944

Size mm	Kg/m
50 x 50 x 6	4.427



Related services
see sections:
- Sawing

Aluminium Sheet - Metric - Grade 1050A

Size mm		Kg/m ²
0.6	2000 x 1000	1.626
0.8	2000 x 1000	2.168
0.8	2500 x 1250	2.168
1.0	2000 x 1000	2.710
1.0	2500 x 1250	2.710
1.2	2000 x 1000	3.252
1.2	2500 x 1250	3.252
1.5	2000 x 1000	4.065

Size mm		Kg/m ²
1.5	2500 x 1250	4.065
2.0	2000 x 1000	5.420
2.0	2500 x 1250	5.420
2.5	2000 x 1000	6.775
3.0	2000 x 1000	8.130
3	2500 x 1250	8.130
5.0	2500 x 1250	13.550
6.0	2500 x 1250	16.260

Aluminium Treadplate 5 Bar - Metric

Size mm		Kg/m ²
2.0	2500 x 1250	6.528
3.0	2500 x 1250	8.960
4.5	2000 x 1000	13.088

Size mm		Kg/m ²
4.5	2500 x 1250	13.088
6.0	2000 x 1000	17.150
6.0	2500 x 1250	17.150

**Related services:****- Folding; Shearing & Punching**

Aluminium Round - Imperial

Dia Inch	Kg/m
$\frac{5}{16}$	0.134
$\frac{3}{8}$	0.193
$\frac{1}{2}$	0.343
$\frac{5}{8}$	0.537
$\frac{3}{4}$	0.773
1	1.374
$1 \frac{1}{2}$	3.091

Dia Inch	Kg/m
$1 \frac{3}{4}$	4.207
2	5.495
$2 \frac{1}{2}$	8.586
3	12.364
4	21.980
6	49.454

Aluminium Square - Imperial

Size Inch	Kg/m
$\frac{1}{2}$	0.437
$\frac{5}{8}$	0.683
$\frac{3}{4}$	0.983

Size Inch	Kg/m
1	1.748
$1 \frac{1}{4}$	2.732
$1 \frac{1}{2}$	3.934

Aluminium Tube - Round - Imperial

OD Inch	Kg/m
$\frac{3}{4}$ x 16g	0.242
1 x 16g	0.330

OD Inch	Kg/m
$1 \frac{1}{4}$ x 16g	0.418

Aluminium Tube - Square - Imperial

Size Inch	Kg/m
$1 \times 1 \times \frac{1}{8}$	0.780



Aluminium Flats - Imperial

Size Inch	Kg/m
$\frac{1}{2} \times \frac{1}{8}$	0.109
$\frac{3}{4} \times \frac{1}{8}$	0.165
$1 \times \frac{1}{8}$	0.219
$1 \times \frac{1}{4}$	0.437
$1 \times \frac{1}{2}$	0.874
$1 \frac{1}{2} \times \frac{3}{16}$	0.492

Size Inch	Kg/m
$2 \times \frac{1}{8}$	0.438
$2 \times \frac{1}{4}$	0.874
$2 \times \frac{3}{8}$	1.311
2×1	3.479
$3 \times \frac{1}{4}$	1.311
$4 \times \frac{1}{2}$	3.497



Related services:

- Sawing
- Folding; Shearing & Punching

Aluminium Angle - Equal Imperial

Size Inch	Kg/m
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{16}$	0.102
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$	0.191
$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{16}$	0.157
$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$	0.300
$1 \times 1 \times \frac{1}{16}$	0.212
$1 \times 1 \times \frac{1}{8}$	0.410
$1\frac{1}{4} \times 1\frac{1}{4} \times \frac{1}{8}$	0.519

Size Inch	Kg/m
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$	0.628
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{16}$	0.932
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{4}$	1.202
$2 \times 2 \times \frac{1}{8}$	0.846
$2 \times 2 \times \frac{3}{16}$	1.250
$2 \times 2 \times \frac{1}{4}$	1.639
$3 \times 3 \times \frac{1}{4}$	2.513

Aluminium Angle - Unequal Imperial

Size Inch	Kg/m
$2 \times 1 \times \frac{1}{8}$	0.628

**Aluminium Channel - Imperial**

Size Inch	Kg/m
$\frac{3}{4} \times \frac{3}{4} \times \frac{1}{8}$	0.437
$1 \times 1 \times \frac{1}{8}$	0.601

Size Inch	Kg/m
$1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$	0.928
$2 \times 1 \times \frac{1}{8}$	0.819

Stainless Sheet 304

mm	x	mm	x	mm	*Finish	Kg/m ²
2000	x	1000	x	0.7	BA	5.740
2000	x	1000	x	0.9	BA	7.380
2000	x	1000	x	0.9	DP	7.380
2000	x	1000	x	1.2	BA	9.840
2000	x	1000	x	1.5	BA	12.300
2000	x	1000	x	2.0	BA	16.400
2000	x	1000	x	3.0	2B	24.600
2500	x	1250	x	0.7	BA	5.740
2500	x	1250	x	0.9	BA	7.380
2500	x	1250	x	1.2	BA	9.840
2500	x	1250	x	1.5	BA	12.300
2500	x	1250	x	2.0	BA	16.400
2500	x	1250	x	3.0	2B	24.600

*** Finishes****BA:** Bright Annealed**DP:** Dull Polished**2B:** Descaled**Related services:**

- **Profiling**
- **Folding; Shearing & Punching**

Stainless Steel Flats - Metric 304

mm	x	mm	Kg/m
20	x	6	0.942
25	x	3	0.589
25	x	5	0.981

mm	x	mm	Kg/m
25	x	6	1.178
40	x	6	1.884
50	x	6	2.355

Stainless Steel Round - Imperial 303

Dia Inch	Kg/m
$\frac{1}{8}$	0.062
$\frac{3}{16}$	0.140
$\frac{1}{4}$	0.062
$\frac{5}{16}$	0.389
$\frac{3}{8}$	0.560
$\frac{1}{2}$	0.995

Dia Inch	Kg/m
$\frac{5}{8}$	1.554
$\frac{3}{4}$	2.238
1	3.979
$1\frac{1}{2}$	8.953
2	15.917

Stainless Steel Round - Metric 303

Dia mm	Kg/m
20	2.467
25	3.855

Dia mm	Kg/m
40	9.869
50	15.420

Stainless Square Tube 304

mm	x	mm	x	mm	Kg/m ²
25	x	25	x	1.2	0.937

Industrial Grating suitable for:

- Platforms
- Walkways
- Mezzanines
- Ramps
- Staircases
- Industrial Floors
- Wheeled Loads
- Racking
- Fencing Panels

Finish

Self-Colour; Galvanised; Bitumen Coated; Primer Painted

Availability

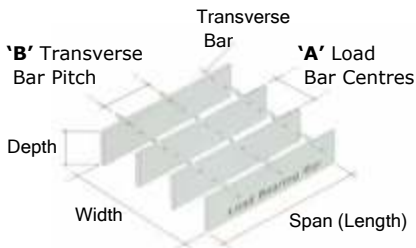
In Standard 6000 x 1000 panels or fabricated to specific customer requirements.



Method of Construction
2500 KVA & 1000 KN



Standard Bar Arrangements	
'A' mm	'B' mm
30	50
30	100
41	50
41	100



Fixings

Available as:

- Galvanised Nyloc
- Galvanised (Non Nyloc)



Type 1



Type 2



TEK Screw

Load Categories BS 4592: 1995

LIGHT DUTY
Access limited to
one person
3.0 KN/m² UDL

GENERAL DUTY
Regular two-way
pedestrian traffic
5.0 KN/m² UDL

HEAVY DUTY
High density
pedestrian
7.5 KN/m² UDL

Bearing Weight

Bar	KN/m ²	300	600	750	900	1050	1200	1350	1500	1650	1800
20 x 3	15	72.0	18	9.9	5.3	3.4					
25 x 3	18	112.9	28.0	18.1	10.5	6.7	4.5	3.0			
30 x 3	21	159.0	40.0	25.9	18.0	11.5	7.7	5.4	3.8		
35 x 3	25	219.0	55.2	35.0	24.2	18.0	12.1	8.5	6.2	4.7	3.6
40 x 3	28	275.0	71.0	46.1	31.9	23.4	18.0	12.9	9.4	7.0	5.5
20 x 5	24	117.0	29.2	17.4	8.9	5.6	3.8				
25 x 5	29	187.0	46.8	29.2	17.5	11.1	7.5	5.1	3.7		
30 x 5	34	268.0	65.9	41.9	29.0	18.7	12.7	9.0	6.5	4.9	3.7
35 x 5	39	361.0	91.0	58.7	39.9	29.8	20.7	14.5	10.4	7.9	6.1
40 x 5	45	478.0	111.8	75.9	52.8	39.0	30.2	21.3	15.8	11.8	8.9
50 x 5	55	748.0	186.0	118.0	81.8	61.3	47.0	37.2	30.0	23.0	17.6

Load Categories BS 4592: 1995

LIGHT DUTY
Access limited to
one person
3.0 kN/m² UDL

GENERAL DUTY
Regular two-way
pedestrian traffic
5.0 kN/m² UDL

HEAVY DUTY
High density
pedestrian
7.5 kN/m² UDL

Bearing Weight

Bar	KN/m ²	300	600	750	900	1050	1200	1350	1500	1650	1800
20 x 3	17	88.0	23.0	13.5	6.3	4.1					
25 x 3	22	133.7	33.2	21.6	12.6	8.0	5.4	3.6			
30 x 3	25	191.0	48.3	31.0	21.4	13.8	9.2	6.4	4.5		
35 x 3	28	263.0	65.9	42.2	29.3	21.5	14.5	10.2	17.4	5.6	4.3
40 x 3	32	342.0	86.0	54.9	37.4	28.1	21.7	15.4	11.2	8.4	6.6
20 x 5											
25 x 5	31	201.9	51.5	32.8	22.9	13.3	10.9	6.1			
30 x 5	37	330.0	86.1	52.8	36.9	22.2	15.2	10.8	7.8	5.8	4.4
35 x 5	43	409.9	103.7	66.9	45.9	35.7	24.8	17.4	12.4	9.4	7.3
40 x 5	48	533.1	134.0	86.9	61.2	46.8	36.2	25.5	18.9	14.1	10.6
50 x 5	60	864.0	219.1	140.2	97.3	73.5	56.4	44.6	36.0	27.6	21.1

Load Categories BS 4592: 1995

LIGHT DUTYAccess limited to
one person3.0 KN/m² UDL**GENERAL DUTY**Regular two-way
pedestrian traffic5.0 KN/m² UDL**HEAVY DUTY**High density
pedestrian7.5 KN/m² UDL**Bearing Weight**

Bar	KN/m ²	300	600	750	900	1050	1200	1350	1500	1650	1800
20 x 3	17	98.0	24.0	12.2	7.8	4.6					
25 x 3	23	153.0	38.0	24.0	14.0	8.9	6.1	4.1	3.0		
30 x 3	28	221.0	55.0	35.0	24.2	15.3	10.3	7.3	5.1	3.3	
35 x 3	32	298.0	74.0	47.5	32.9	23.9	16.4	11.5	8.4	6.3	4.8
40 x 3	36	389.0	97.0	61.9	43.0	31.7	24.3	17.4	12.7	9.1	7.2
20 x 5	31	162.0	40.0	21.0	12.1	7.6	5.1	3.9			
25 x 5	38	251.0	63.0	39.9	24.0	14.8	9.9	6.8	5.1	3.9	2.9
30 x 5	45	365.0	92.0	58.9	40.8	26.1	17.1	11.9	8.7	6.5	5.0
35 x 5	52	498.0	124.0	79.8	54.2	40.1	27.0	18.7	13.7	10.4	8.0
40 x 5	58	649.0	161.7	103.2	71.9	53.2	40.1	29.0	21.1	16.0	12.0
50 x 5	73	1018.0	254.0	161.0	112.0	83.0	62.0	50.2	40.4	31.1	24.0

Max Walkway Width - Clear Span mm Based on plain load bearing bars with 41/100 bar spacing

Section mm			3 Kn/m ² UDL	5 Kn/m ² UDL	7.5 Kn/m ² UDL
20	x	3	1075	925	800
25	x	3	1350	1150	1000
30	x	3	1625	1375	1200
40	x	3	2100	1825	1600
50	x	5	2500	2200	2000
20	x	5	1250	1050	950
25	x	5	1600	1350	1150
30	x	5	1925	1625	1420
40	x	5	2400	2100	1900
50	x	5	2850	2500	2250

Max Tread Length mm

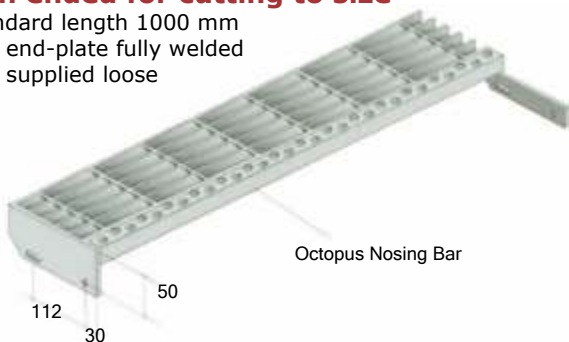
Bars			41 mm pitch		30 mm pitch	
mm			Serrated	Plain	Serrated	Plain
25	x	3	700	625	850	750
25	x	5	1000	900	1150	1050
30	x	3	1000	900	1150	1050
30	x	5	1275	1200	1400	1325
35	x	3	1250	1200	1375	1300
35	x	5	1500	1425	1625	1550

Ex-Stock Sizes

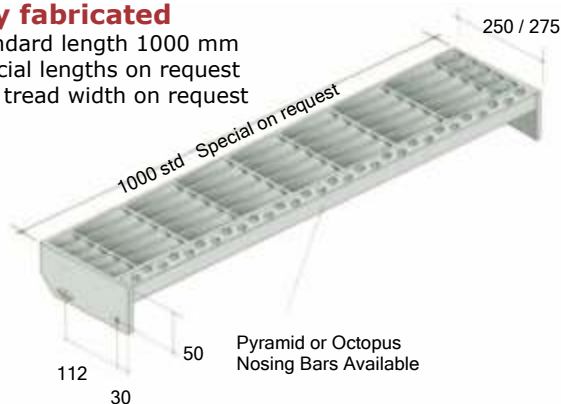
Tread Size mm			Bar Arrangements mm	
1000	x	250	25 x 5	30 x 3
1000	x	275	25 x 5	30 x 3

Open ended for cutting to size

- Standard length 1000 mm
- One end-plate fully welded
- One supplied loose

**Fully fabricated**

- Standard length 1000 mm
- Special lengths on request
- 325 tread width on request



Handrail Standards are used in all types of industry - they are ideal for platforms; stairways; landings; balconies; towers or any other hazardous location where a strong and stable barrier is required. They are quick and convenient for site fixing and their versatility enables them to be installed in all kinds of environments whether the finish is galvanised, painted or plastic coated

Handrail Sticks

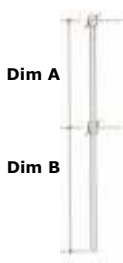
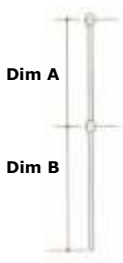
- Ex-Stock
- Ball Centres
 - Dim 'A' Regular: 550mm
 - Dim 'B' Regular: 700mm
- Self Colour
- Pre-vented for galvanising
- Tubular sticks drilled

Handrail Standards

- Manufactured to specific requirements
- Ball Centres
- Dim 'A' & 'B' variable
- Base fixing to project requirements
- Pre-vented
- Drilled & tapped
- Grub Screws supplied
- Self-colour; galvanised; primer or powder coated

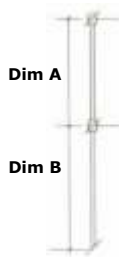
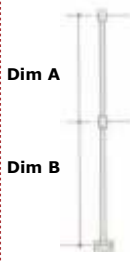
Regular

Raking



Regular

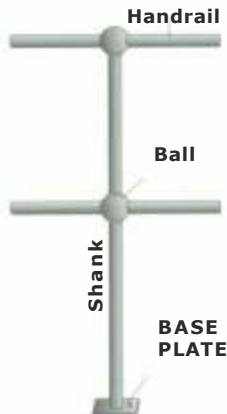
Raking



Tubular Shank



Shank Dia mm	Ball Dia mm	Handrail Dia mm
33.7	63	33.7
42.4	63	33.7
42.4	80	33.7
42.4	80	42.4
48.3	80	33.7
48.3	80	42.4
48.3	90	48.3
60.3	80	42.4
60.3	90	48.3



Solid Shank

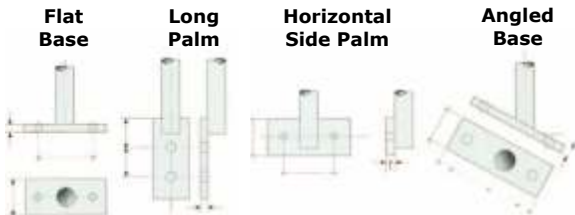


Shank Dia mm	Ball Dia mm	Handrail Dia mm
32	60	33.7
38	60	33.7
38	70	33.7
38	70	42.4
45	80	42.4
45	80	48.3

Ball Only

Ball mm	Rail ID mm	Rail OD mm
63	25	33.7
80	32	42.4

Types of Standard



Sticks & Standards Available

ID: Shank/Ball/Handrail OD: Shank/Handrail mm	Dim A/Dim B mm/mm	Types Available
25/63/25 33.7/33.7	550/700	Self Colour Stick
	550/550	Flat Base Galv
	550/625	Horiz Side Palm Galv
32/63/25 42.4/33.7	550/700	Self Colour Stick
	550/550	Flat Base Galv
	550/625	Horiz Side Palm Galv
32/82/32 42.4/42.4	550/700	Self Colour Stick
	550/550	Flat Base Galv
	550/625	Horiz Side Palm Galv

Duty	Application
Light 220 N/m	Light access stairs and gangways not more than 600mm wide
Medium 360 N/m	Regular two-way pedestrian traffic in industrial & storage areas * Except designated escape routes
Heavy 740 N/m	Designated escape routes and pedestrian traffic using stairs, landings, corridors, ramps, external balconies, edges of roofs and footways * Providing these areas are not susceptible to overcrowding

Max Spacing of Tubular Standards 1100 mm High

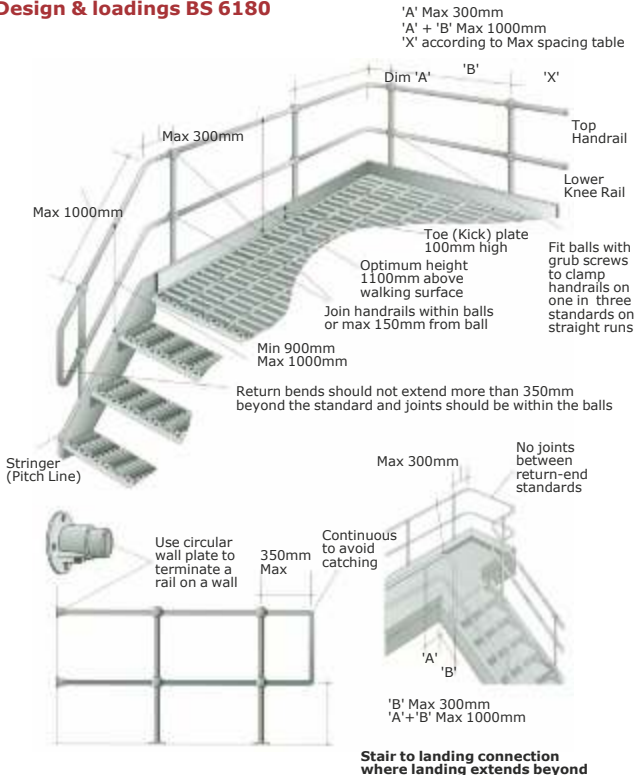
Shank OD x Wall mm	Light Duty mm	Medium Duty mm	Heavy Duty mm
33.7 x 3.2	1600	1000	-
42.4 x 3.2	2050	1550	-
48.3 x 4.0	2250	2000	1150

* These tables are a guide only, and assume a steel to steel fixing in each case. Designers should allow for relevant bolt size; number of bolts; base plate size and handrail pitch when fixing into concrete or other low density materials. Handrail size should be selected to suit duty and spacing of standards

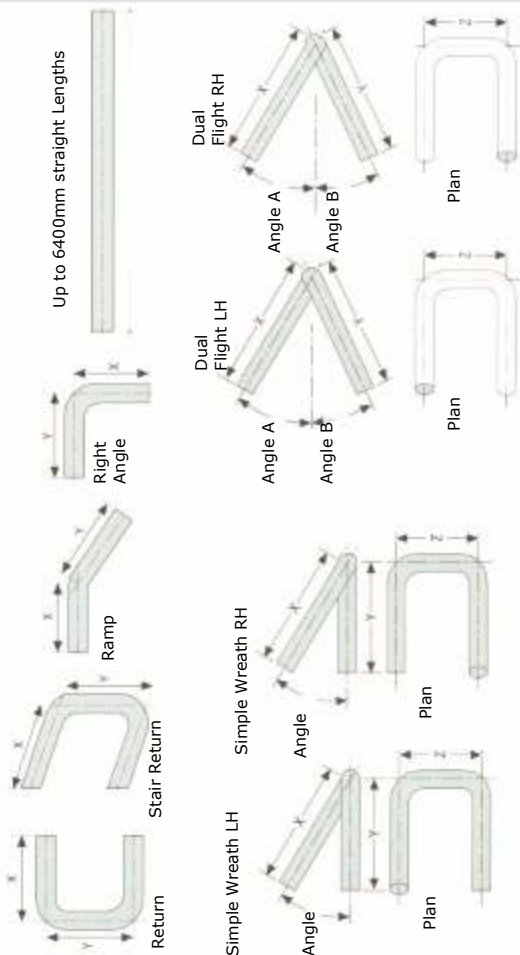
Typical Handrail Arrangements for Stairs, Walkways & Platforms

Handrail loadings see BS 6399: Part1

Design & loadings BS 6180



**Available in tube sizes 25NB (33.7 OD)
32NB (42.4 OD); 40NB (48.3 OD)**



Welding Elbows For Handrails And Balustrades



Ideally suited for use in handrailing or balustrading systems, enabling tight bends to be achieved, avoiding mitred tubes and distorted tubes. Supplied in self colour and without any exterior markings, they provide a safe and strong joint which is aesthetically pleasing.

Weldable Elbows Size OD mm
33.7
42.4
48.3
60.3
76.1
88.9

Note: Not suitable for pressure applications

Application

Can be used for handrailing and balustrading, protection barriers, street furniture and all other tubular fabrication projects. Once assembled, can be painted; galvanised; powder and polyester coated to suit the environment.

C00



G20
G25
G32
G40
G50

Sleeve Joint

C01



G25
G32
G40

Expanding Connector

C02



G20
G25
G32
G40
G50

90° Elbow

C03



G20
G25
G32
G40
G50

Short Tee

CA03



G32
G40

Add On Short Tee

C04



G20
G25
G32
G40
G50

Long Tee

C05



G25
G32
G40

Variable Elbow

C06



G25
G32
G40

Internal T Joint

C07



G25
G32
G40

45° Tee

C10G



Swivel Base

C11



G20
G25
G32
G40
G50

Wall Flange

C12



G20
G25
G32
G40
G50

Railing Base Flange

C13



G 25
G 32
G 40

Railing Vertical Side Support

C14



G 25
G 32
G 40

Railing Horizontal Side Support

C15



G 25
G 32
G 40

Side Palm Fixing

C16



G 20
G 25
G 32
G 40

Handrail Bracket

C17



G 25
G 32
G 40

Ground Support

C18



G 32
G 40

**Base Flange with
Integrated Toeboard**

C20



G 20
G 25
G 32
G 40
G 50

3 Way 90° Elbow

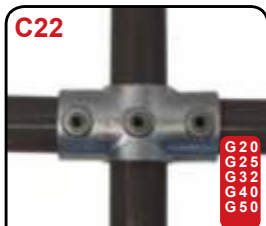
C21



G 20
G 25
G 32
G 40
G 50

Corner c/w Through Tube

C22



G 20
G 25
G 32
G 40
G 50

Two Socket Cross

C23



G 20
G 25
G 32
G 40
G 50

Side Outlet Tee

C24



G 20
G 25
G 32
G 40
G 50

4 Way Cross + Central Tube

C25



G 20
G 25
G 32
G 40
G 50

Normally used in pairs

Short Tee Swivel

C26



G25
G32
G40

Angle Cross up to 45°

C27



G25
G32
G40

Angle Tee up to 45°

C28



G25
G32
G40

**Adjustable 2 Socket Cross
30° to 45°**

C29



G25
G32
G40

Adjustable Short Tee

C30



G20
G25
G32
G40
G50

Collar

C31



G20
G25
G32
G40

Gate Eye

C32



G20
G25
G32
G40

Gate Hinge

C33



G20
G25
G32
G40

Hook

C34



G25
G32
G40

Fixing Pad

C35



G20
G25
G32
G40
G50

Male Swivel

C36F



G20F
G25F
G32F
G40F
G50F

Female Swivel

C36M



G25M
G32M
G40M

Male Swivel

C37



G 20
G 25
G 32
G 40
G 50

Double Male Swivel

C38



G 20
G 25
G 32
G 40

90° Corner Male Swivel

C40



G 20
G 25
G 32
G 40
G 50

G 25-32
G 25-40
G 32-40

90° Crossover

CA40



G 32
G 40

Add On 90° Crossover

C41



G 20
G 25
G 32
G 40
G 50

Clamp on Tee

C42



G 20
G 25
G 32
G 40
G 50

Clamp on Crossover

C43



G20
G25
G32
G40
G50

Combination Socket

C45



G20
G25
G32
G40
G50

Single Swivel Combination

C46



G20
G25
G32
G40
G50

Base Swivel Combination

C47



G20
G25
G32
G40
G50

Double Swivel Combination

C48



G20
G25
G32
G40

90° Corner Swivel Combination

C50



G32
G40

Slope Elbow 0° to 11°

C51



Short Slope Elbow 0° to 11°

C52



Long Slope Tee 0° to 11°

C53



Slope Base 0° to 11°

C54



Slope 2 Socket Cross 0° to 11°

C55



27½° Ridge Fitting

C56



27½° Eaves Fitting

C60



S25
S32/40

Spare Screws

C61



S25
S32/40

Allen Keys

C62R



Ratchet Keys

C65P



P20
P25
P32
P40
P50

Plastic End Cap

C65G



G20
G25
G32
G40
G50

Metal End Cap

C66



G20
G25
G32
G40
G50

Single Mesh Clip

C67



G20
G25
G32
G40
G50

Double Mesh Clip

C68



G25
G32
G40

Weather Cowl

C69



P40x40
P50x50
P70x70

Square Plastic End Cap

C70



G25

Crimp Straight

C71



G25

Crimp Elbow



The DDA Range

Designed to satisfy the requirements of Part
'M' of the Building Regulations 2004



DDA01



Upright Connector

DDA02



Handrail Connector

DDA03



Wall Bracket

DDA04



Intermediate Bracket

DDA05



End Return

DDA06



90° Bend

DDA07



Expanding Connector

DDA08



Plastic End Cap

DDA09



Adjustable Bend



Welded Wire Mesh Sheet Copper Washed Mild Steel

Size Inch	x	Size Inch	x	Gauge	Sheet Size Feet	Kg/sheet
1	x	1	x	10	8 x 4	13.180
1	x	1	x	12	8 x 4	9.010
2	x	2	x	10	6 x 3	3.728
2	x	2	x	10	8 x 4	6.690



Welded Wire Mesh Sheet Galvanised Mild Steel

Size Inch	x	Size Inch	x	Gauge	Sheet Size Feet	Kg/sheet
1	x	1	x	10	8 x 4	13.180
1	x	1	x	12	8 x 4	9.010
2	x	2	x	10	8 x 4	6.690



Black Plastic Tube Inserts Round

OD mm	Wall mm
34	1 - 3

OD Inch	Wall g
1	11-20
3	8 - 12



Black Plastic Tube Inserts Square

Size mm	Wall mm
20	0.8 - 2.5
30	1 - 3
40	1 - 3
50	1 - 3
50	3 - 5
60	2 - 4
70	2 - 4
80	2 - 4
100	2 - 4
120	2.5 - 5

Size Inch	Wall g
$\frac{3}{4}$	16 - 20
1	10 - 14
1	10 - 20
$1 \frac{1}{2}$	14 - 18
2	14 - 18



Black Plastic Tube Inserts Rectangular

Size mm	Wall mm
50 x 25	2 - 4
80 x 40	2 - 5
100 x 50	2 - 3

Size Inch	Wall g
2 x 1	10 - 20



Related services:

- **MS Hollow Sections**
- **ERW Tube**
- **Stainless Square Tube 304**

Properties Of A Circle

Circumference = Diameter x 3.1416

Diameter = circumference x .31831

Square size with equal area = Diameter x .8862

Diameter with equal area to a square = Square size x 1.1284

Steel Plates & Sheets

Kg per m² = Thickness mm x 7.85

Steel Flat & Square Bars

Weight kg/m = Width cm x thickness cm x .785

Approx Weight kg/m = area mm² /128

Steel Round Bars

Kg per metre = Diameter² in cm x .6165

Approx Weight kg/m = Dia² in mm X 6 / 1000.

Steel Hexagons

Area in cm² = Distance A/F² in cm x 0.866

Kg per metre = Distance A/F² in cm x 0.68

Surface Area Of A Shape

Circle	$(\frac{22}{7} \text{ or } 3.1416) \times \text{Radius}^2$
Triangle	$\frac{1}{2} \times \text{Base} \times \text{Perpendicular Height}$
Rectangle	Length x Breadth
Parallelogram	Base x Perpendicular Height
Right Cone	$\frac{1}{2} \text{ Slant Height} \times \text{Perimeter of Base} + \text{Area of Base}$
Pyramid	$\frac{1}{2} \text{ Slant Height} \times \text{Perimeter of Base} + \text{Area of Base}$
Sphere	$4 \times (\frac{22}{7} \text{ or } 3.1416) \times \text{Diameter}^2$
Ellipse	Product of axes x 0.7854

**Volume Of A Shape**

Rectangle	Length x Breadth x Height
Cylinder	Area of Base x Height
Prism	Area of Base x Height
Right Cone	$\frac{1}{3} \text{ Area of Base} \times \text{Perpendicular Height}$
Pyramid	$\frac{1}{3} \text{ Area of Base} \times \text{Perpendicular Height}$
Sphere	$(\frac{22}{7} \text{ or } 3.1416) \times \frac{4}{3} \times \text{Radius}^3$

Density of Metals

Material	Kg/m ³
Steel	7850
Aluminium	2712

Sheet Gauge To mm

SWG	mm
4	5.89
5	5.39
6	4.88
7	4.47
8	4.06
9	3.64
10	3.25
11	2.95
12	2.64
13	2.34

SWG	mm
14	2.03
15	1.83
16	1.63
17	1.42
18	1.21
19	1.02
20	0.91
21	0.81
22	0.71
23	0.61

Conversion Factors

Type	Conversion	Multiply By
Length	Inches to mm	25.4
	mm to Inches	0.03937
	Feet to Metres	0.3048
	Metres to Feet	3.2808
Area	Inches ² to mm ²	645.16
	mm ² to Inches ²	0.0015
	Feet ² to Metres ²	0.0929
	Metres ² to Feet ²	10.7639



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Web: www.egglestonsteel.co.uk

Tel: 01332 341536

Fax: 01332 295715



↑ North

To A38 & M1 North

**Eggleston
Steel**

Morrisons
Supermarket

Centurion Way
Business Park

Alfreton Road

Mansfield Road

A608
Ilkeston

Coach & Horses
Pub

Stores Road

DERBY
CENTRE

Pentagon Island

To Nottingham A52
M1 South

