

Mild Steel Plates

GRADE S275

Size (mm)	Thickness	Kg / Plate
2000 x 1000	3mm	47.1
2500 x 1250	3mm	74.5
3000 x 1500	3mm	107
2000 x 1000	4mm	63
2500 x 1250	4mm	99
3000 x 1500	4mm	142
2000 x 1000	5mm	78.5
2500 x 1250	5mm	122.7
3000 x 1500	5mm	177.7
2000 x 1000	6mm	94.5
2500 x 1250	6mm	147.2
3000 x 1500	6mm	211.95
2000 x 1000	8mm	125.60
2500 x 1250	8mm	196.25
3000 x 1500	8mm	282.60
2000 x 1000	10mm	157.8
2500 x 1250	10mm	245.3
3000 x 1500	10mm	353.3
2000 x 1000	12.5mm	196.3
2500 x 1250	12.5mm	306.7
3000 x 1500	12.5mm	441.6
2000 x 1000	15mm	235.5
2500 x 1250	15mm	368
3000 x 1500	15mm	529.9
2000 x 1000	20mm	314
2500 x 1250	20mm	490.6
3000 x 1500	20mm	706.5
2000 x 1000	25mm	392.5
2500 x 1250	25mm	613.3
3000 x 1500	25mm	883.2
2000 x 1000	30mm	471
2500 x 1250	30mm	735.9
3000 x 1500	30mm	1060
2000 x 1000	40mm	628
2500 x 1250	40mm	981.25
3000 x 1500	40mm	1413

Floor Plates

GRADE S275 JR

Size (mm)	Thickness	Kg / Plate
2000 x 1000	3mm	50.1
2500 x 1250	3mm	78.3
3000 x 1500	3mm	112.8
2000 x 1000	4.5mm	75.2
2500 x 1250	4.5mm	117.5
3000 x 1500	4.5mm	169.1
2000 x 1000	6mm	100.2
2500 x 1250	6mm	156.6
3000 x 1500	6mm	225.5
2000 x 1000	8mm	133.6
2500 x 1250	8mm	208.8
3000 x 1500	8mm	300.6
2000 x 1000	10mm	167
2500 x 1250	10mm	261
3000 x 1500	10mm	375.8
2000 x 1000	12.5mm	208.8
2500 x 1250	12.5mm	326.2
3000 x 1500	12.5mm	469.7

Sheets

Size (mm)	Thickness	HR	CR	Galv	Zintec
2000 x 1000	0.8			•	
2500 x 1250	0.8			•	
2000 x 1000	1		•	•	
2500 x 1250	1		•	•	•
2000 x 1000	1.2		•	•	•
2500 x 1250	1.2		•	•	•
2000 x 1000	1.6	•	•	•	
2500 x 1250	1.6	•	•	•	•
3000 x 1500	1.6		•		
2000 x 1000	2	•	•	•	
2500 x 1250	2	•	•	•	
3000 x 1500	2	•			
2000 x 1000	2.5	•			
2500 x 1250	2.5	•			
2500 x 1250	3			•	

ERW Tube

Circular

Square

Size	Thk (mm)	Size	Thk (mm)
1/2"	1.2mm	5/8" x 5/8"	1.5mm
1/2"	1.5mm	3/4" x 3/4"	1.2mm
5/8"	1.2mm	3/4" x 3/4"	1.5mm
5/8"	1.5mm	1" x 1"	1.2mm
3/4"	1.2mm	1" x 1"	1.5mm
3/4"	1.5mm	1 1/4" x 1 1/4"	1.5mm
3/4"	2mm	1 1/2" x 1 1/2"	1.5mm
1"	1.5mm	50mm x 50mm	1.5mm
1"	2mm		
1 1/8"	2mm		
1 1/4"	1.5mm		
1 1/4"	2mm		
1 1/2"	1.5mm		
1 1/2"	2mm		
2"	1.5mm		
3"	1.5mm		
4"	1.5mm		

Rectangular

Size	Thk (mm)
40mm x 20mm	1.5mm
2" x 1"	1.5mm

BS1387 Steel Tube

Medium Wall

Nominal Bore Size (mm)	Wall (mm)	Approx O/D (mm)	Weight (kg/m) S/C	Weight (kg/m) Galv
8	2.3	13.5	0.65	0.68
10	2.3	17.2	0.85	0.89
15	2.6	21.3	1.22	1.27
20	2.6	26.9	1.57	1.64
25	3.2	33.7	2.43	2.51
32	3.2	42.4	3.13	3.24
40	3.2	48.3	3.61	3.73
50	3.6	60.3	5.1	5.26
65	3.6	76.1	6.54	6.76
80	4	88.9	8.55	8.77
100	4.5	114.3	12.5	12.82
125	5	139.7	17.24	17.54
150	5	165.1	20.41	20.83

Open Steel Flooring

Standard Panel Size : 6000mm x 1000mm

Self Colour & Hot Dip Galvanised

Stocked Pattern : 41/100

Bearer Bar Section:	20 x 3
	25 x 3
	25 x 5
	30 x 3
	30 x 5
	40 x 3
	40 x 5

Welded Mesh

Standard Panel Sizes:	6 x 3
	8 x 4
	6 x 12
	12 x 7

Mesh Sizes:	1 x 1
	2 x 1
	2 x 2
	3 x 1/2
	3 x 3
	4 x 4

Wire Gauges:	12 swg	(2.5mm)
	10 swg	(3.0mm)
	8 swg	(4.0mm)
	6 swg	(4.75mm)

Also Available:

Wrought Iron Components

Tube Clamps

Seamless Tube

Perforated Sheets

Expanded Metal

Rail Sections / Fish Plates / Fixing Clips

Q-Railing Distributor



STEEL STOCKHOLDERS

William Mellard & Sons Limited

River Works, Campbell Road, Stoke-on-Trent. ST4 4RN

• **BUYERS HANDBOOK** •

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Plasma & Profiling Sales

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Email: info@mellard.co.uk

www.mellard.co.uk



Certificate No. RS12656

Introduction

- Next Day Deliveries.
- Large Stock Range.
- Quick Cutting Times.
- Trade Counter.

Processing

Our extensive, in house processing facilities mean we can offer a competitive and efficient service.

Saw Cutting

5 Saws

Mitre Cutting +60 / -45 degrees

Press Brake

Tonnage - 200t

Bending Length > 6mm - 4100mm

Bending Length 6mm to 10mm - 2000mm

Guillotine

3600mm Cutting Width
up to 8mm Thick

Plasma Profiling

Bed Size: 8m x 3m
Material from 1.2mm - 30mm
2mm Tolerance Top Face
In House CAD Technicians

Black Flats

GRADE S275JR

Equal Size (mm)	Weight (Kg/Mtr)	Equal Size (mm)	Weight (Kg/Mtr)
13 x 3	0.31	50 x 3	1.18
13 x 5	0.51	50 x 5	1.96
		50 x 6	2.36
16 x 3	0.38	50 x 8	3.14
		50 x 10	3.93
20 x 3	0.47	50 x 12	4.71
20 x 5	0.79	50 x 15	5.89
20 x 6	0.94	50 x 20	7.85
20 x 8	1.26		
20 x 10	1.57	60 x 5	2.36
		60 x 6	2.83
25 x 3	0.59	60 x 8	3.77
25 x 5	0.98	60 x 10	4.71
25 x 6	1.18	60 x 12	5.65
25 x 8	1.57		
25 x 10	1.96	65 x 6	3.06
		65 x 8	4.08
30 x 3	0.71	65 x 10	5.10
30 x 5	1.18	65 x 12	6.12
30 x 6	1.41		
30 x 8	1.88	70 x 6	3.30
30 x 10	2.36	70 x 8	4.40
30 x 12	2.83	70 x 10	5.50
30 x 15	3.53	70 x 12	6.59
40 x 3	0.94	75 x 3	1.77
40 x 5	1.57	75 x 6	3.53
40 x 6	1.88	75 x 8	4.71
40 x 8	2.51	75 x 10	5.89
40 x 10	3.14	75 x 12	7.07
40 x 12	3.77		
40 x 15	4.71	80 x 6	3.77
40 x 20	6.28	80 x 8	5.02
40 x 30	9.42	80 x 10	6.28
		80 x 12	7.54
		80 x 15	9.42
		80 x 20	12.56

Black Flats

GRADE S275JR

Equal Size (mm)	Weight (Kg/Mtr)	Equal Size (mm)	Weight (Kg/Mtr)
90 x 8	5.65	150 x 10	11.78
90 x 10	7.07	150 x 12	14.13
90 x 12	8.48	150 x 15	17.66
90 x 15	10.60	150 x 20	23.55
		150 x 25	29.44
100 x 3	2.36		
100 x 5	3.93	180 x 6	8.48
100 x 6	4.71	180 x 8	11.31
100 x 8	6.28	180 x 10	14.13
100 x 10	7.85	180 x 12	16.96
100 x 12	9.42	180 x 15	21.20
100 x 15	11.78		
100 x 20	15.70	200 x 6	9.42
100 x 25	19.63	200 x 8	12.60
		200 x 10	15.70
110 x 10	8.64	200 x 12	18.84
		200 x 15	23.55
120 x 6	5.65	200 x 20	31.41
120 x 8	7.54		
120 x 10	9.42	250 x 6	11.78
120 x 12	11.30	250 x 8	15.70
120 x 15	14.09	250 x 10	19.60
120 x 20	18.84	250 x 12	23.55
		250 x 15	29.44
130 x 6	6.12	250 x 20	39.25
130 x 8	8.16		
130 x 10	10.21	300 x 6	14.13
130 x 12	12.25	300 x 8	18.80
		300 x 10	23.55
150 x 5	5.89	300 x 12	28.26
150 x 6	7.07	300 x 15	35.33
150 x 8	9.42	300 x 20	47.10

Black Rounds & Squares

GRADE S275JR

Size (mm) Dia	Weight (Kg/Mtr)	Size (mm) Square	Weight (Kg/Mtr)
6	0.22	10	0.79
8	0.39	12	1.13
10	0.62	16	2.01
12	0.888	20	3.14
16	1.58	25	4.91
20	2.47	30	7.07
22	2.98	40	12.60
25	3.85	50	19.60
30	5.55	60	28.30
32	6.31	70	38.50
40	9.86	80	50.24
50	15.41	100	78.50
60	22.20		
70	30.20		
80	38.50		
100	61.70		

Reinforcement Bar

Size (mm) Dia
12
16

Convex

GRADE S275JR

Size	Weight (Kg/Mtr)	
40 x 10	2.00	Feather Edge
50 x 12	4.17	Square Edge

Bright Drawn Bars

070M20 / 080A15

Metric (mm)	Weight (Kg/Mtr)	Imperial (Inches)	Weight (Kg/Mtr)
3	0.056	3/16	0.14
4	0.098	1/4	0.25
5	0.15	5/16	0.39
6	0.22	3/8	0.56
8	0.395	1/2	0.94
10	0.617	5/8	1.55
12	0.888	3/4	2.24
15	1.39	7/8	3.05
16	1.58	1	3.98
20	2.46	1 1/4	6.22
25	3.85	1 1/2	0.895
30	5.55	2	15.91
35	7.55	Also available: Bright Flats Bright Squares Bright Hex	
40	9.86		
45	12.50		
50	15.40		
60	22.20		
75	34.70		
80	39.50		
100	61.70		

Mild Steel Angles

GRADE S275JR

Equal Size (mm)	Weight (Kg/Mtr)	Unequal Size (mm)	Weight (Kg/Mtr)
13 x 13 x 3	0.572	40 x 25 x 4	1.91
20 x 20 x 3	0.88	50 x 40 x 5	3.53
25 x 25 x 3	1.12	60 x 30 x 5	3.36
25 x 25 x 5	1.77	65 x 50 x 6	5.18
30 x 30 x 3	1.36	65 x 50 x 8	6.76
30 x 30 x 5	2.18	75 x 50 x 6	5.65
40 x 40 x 3	2.05	75 x 50 x 8	7.39
40 x 40 x 4	2.42	75 x 50 x 10	9.27
40 x 40 x 5	2.97	80 x 60 x 6	6.34
40 x 40 x 6	3.52	80 x 60 x 8	8.32

Mild Steel Angles

GRADE S275JR

Equal Size (mm)	Weight (Kg/Mtr)	Unequal Size (mm)	Weight (Kg/Mtr)
50 x50 x 3	2.33	100 x 50 x 6	6.85
50 x50 x 5	3.77	100 x 65 x 7	8.77
50 x50 x 6	4.47	100 x 65 x 8	9.94
50 x50 x 8	5.82	100 x 65 x 10	12.30
60 x 60 x 6	5.42	100 x 75 x 8	10.60
60 x 60 x 8	7.09	100 x 75 x 10	13.00
60 x 60 x 10	8.69	100 x 75 x 12	15.40
70 x 70 x 6	6.38	125 x 75 x 8	12.20
70 x 70 x 8	8.36	125 x 75 x 10	15.00
70 x 70 x 10	10.30	150 x 75 x 10	17.00
75 x 75 x 6	6.87	150 x 75 x 12	20.20
75 x 75 x 8	9.01	150 x 90 x 10	18.20
80 x 80 x 6	7.34	150 x 90 x 12	21.60
80 x 80 x 8	9.63	200 x 100 x 10	23.00
80 x 80 x 10	11.90	200 x 100 x 12	27.30
90 x 90 x 6	8.30	200 x 100 x 15	33.70
90 x 90 x 8	10.90	200 x 150 x 12	32.00
90 x 90 x 10	13.40	200 x 150 x 15	39.60
100 x 100 x 8	12.20	200 x 150 x 18	47.10
100 x 100 x 10	15.50		
100 x 100 x 12	17.80		
120 x 120 x 8	14.70		
120 x 120 x 10	18.20		
150 x 150 x 10	23.00		
150 x 150 x 12	27.30		
150 x 150 x 15	33.80		
200 x 200 x 16	48.50		

Hollow Section & Tube

GRADE C235

Unequal Size (mm)	Weight (Kg/Mtr)	Unequal Size (mm)	Weight (Kg/Mtr)
50 x 25 x 2.5	2.72	150 x 100 x 5.0	18.70
50 x 25 x 3.0	3.27	150 x 100 x 6.0	22.30
50 x 30 x 2.5	2.92	150 x 100 x 8.0	29.10
50 x 30 x 3.0	3.45	150 x 100 x 10.0	35.70
60 x 30 x 3.0	3.88	160 x 80 x 5.0	18.00
60 x 40 x 2.5	3.71	160 x 80 x 6.3	22.30
60 x 40 x 3.0	4.39	160 x 80 x 8.0	27.90
60 x 40 x 4.0	5.72	200 x 100 x 5.0	22.55
75 x 50 x 3.0	5.73	200 x 100 x 6.0	27.00
80 x 40 x 3.0	5.34	200 x 100 x 8.0	35.40
80 x 40 x 4.0	6.97	200 x 100 x 10.0	43.60
80 x 40 x 5.0	8.54	300 x 200 x 6.3	46.00
90 x 50 x 3.6	7.46	300 x 200 x 8.0	60.50
90 x 50 x 5.0	10.10	300 x 200 x 10.0	75.00
100 x 50 x 3.0	6.75		
100 x 50 x 4.0	8.86		
100 x 50 x 5.0	10.90		
100 x 60 x 3.6	8.59		
100 x 60 x 5.0	11.70		
100 x 60 x 6.3	14.40		
120 x 60 x 3.6	9.72		
120 x 60 x 5.0	13.30		
120 x 60 x 6.3	16.40		
120 x 80 x 3	9.10		
120 x 80 x 5	14.80		

Hollow Section & Tube

GRADE C235

[illegible]

Hollow Section & Tube

GRADE C235

Equal Size (mm)	Weight (Kg/Mtr)	Equal Size (mm)	Weight (Kg/Mtr)
20 x 20 x 2.0	1.12	100 x 100 x 3.0	9.10
25 x 25 x 2.0	1.43	100 x 100 x 4.0	12.00
25 x 25 x 2.5	1.74	100 x 100 x 5.0	14.80
25 x 25 x 3.0	2.04	100 x 100 x 6.0	17.52
30 x 30 x 2.0	1.70	100 x 100 x 8.0	22.90
30 x 30 x 2.5	2.13	100 x 100 x 10.0	27.90
30 x 30 x 3.0	2.51	120 x 120 x 5.0	18.00
40 x 40 x 2.5	2.91	120 x 120 x 6.0	21.24
40 x 40 x 3.0	3.45	120 x 120 x 8.0	27.90
40 x 40 x 4.0	4.46	120 x 120 x 10.0	34.20
50 x 50 x 2.5	3.71	150 x 150 x 5.0	22.70
50 x 50 x 3.0	4.39	150 x 150 x 6.0	26.95
50 x 50 x 4.0	5.72	150 x 150 x 8.0	35.40
50 x 50 x 5.0	6.97	150 x 150 x 10.0	43.60
60 x 60 x 3.0	5.34	180 x 180 x 6.3	34.20
60 x 60 x 4.0	6.97	180 x 180 x 8.0	43.00
60 x 60 x 5.0	8.54	180 x 180 x 10.0	53.00
70 x 70 x 3.0	6.28	200 x 200 x 6.3	38.20
70 x 70 x 3.5	7.46	200 x 200 x 8.0	48.00
70 x 70 x 5.0	10.10	200 x 200 x 10.0	59.30
75 x 75 x 3.0	7.20		
80 x 80 x 3.0	7.22		
80 x 80 x 3.5	8.35		
80 x 80 x 5.0	11.70		
80 x 80 x 6.0	14.40		
90 x 90 x 3.6	9.72		
90 x 90 x 5.0	13.30		
90 x 90 x 6.0	16.40		

Universal Beams

GRADE S275 / S355

Size (mm)	Weight (Kg/Mtr)	Size (mm)	Weight (Kg/Mtr)
127 x 76	13	457 x 152	52
152 x 89	16	457 x 152	60
178 x 102	19	457 x 152	67
203 x 102	23	457 x 152	74
203 x 133	25	457 x 191	67
203 x 133	30	457 x 191	74
254 x 102	22	457 x 191	82
254 x 102	25	457 x 191	89
254 x 102	28	533 x 210	82
254 x 146	31	533 x 210	92
254 x 146	37	533 x 210	101
254 x 146	43	533 x 210	109
305 x 102	25	533 x 210	122
305 x 102	28	610 x 229	101
305 x 102	33	610 x 229	113
305 x 127	37	610 x 229	125
305 x 127	42	610 x 229	140
305 x 165	40	610 x 305	149
305 x 165	46	610 x 305	179
305 x 165	54	610 x 305	238
356 x 127	33		
356 x 127	39		
356 x 171	45		
356 x 171	51		
356 x 171	57		
406 x 140	39		
406 x 140	46		
406 x 178	54		
406 x 178	60		
406 x 178	67		
406 x 178	74		

Universal Columns

GRADE S275 / S355

Size (mm)	Kg / Mtr
152 x 152	23
152 x 152	30
152 x 152	37
203 x 203	46
203 x 203	52
203 x 203	60
203 x 203	71
254 x 254	73
254 x 254	89
254 x 254	107
305 x 305	97
305 x 305	118
305 x 305	137
305 x 305	158
356 x 368	129
356 x 368	153
356 x 368	177
356 x 368	202

Parallel Flange Channels

GRADE S275 / S355

Size (mm)	Kg / Mtr
100 x 50	10.2
125 x 65	14.8
150 x 75	17.9
150 x 90	23.9
180 x 75	20.3
180 x 90	26.1
200 x 75	23.4
200 x 90	29.7
230 x 75	25.7
230 x 90	32.2
260 x 75	27.6
260 x 90	34.8
300 x 90	41.0
300 x 100	45.5
380 x 100	54.0
430 x 100	64.4

Tapered Flange Channels

GRADE S275

Size (mm)	Kg / Mtr
51 x 25	3.86
51 x 38	5.15
76 x 38	6.69